cp

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG ____ ELECTRIC LOGS ✓ X WATER SANDS ____ LOCATION INSPECTED ____ SUB. REPORT/abd.

* Chg of operator eff 11-01-87.
* Rentry for WIW

Commenced Inj 9-1-91

DATE FILED 4-24-84

LAND: FEE & PATENTED X STATE LEASE NO. PUBLIC LEASE NO. INDIAN

DRILLING APPROVED: 4-25-84 OIL (Cause No. 131-14) + 9-25-91 (RW15-3)

SPUDDED IN: 6-7-84 * 8-5-91

COMPLETED: 10-31-84 POW PUT TO PRODUCING: * 9-20-91

INITIAL PRODUCTION: 464 BOPD, 579 MCF, 3 BWPD

GRAVITY A.P.I. 44

GOR:

PRODUCING ZONES: 15,558-13,735 Wasatch * 8818-9446 (GRRV)

TOTAL DEPTH: 15,645

WELL ELEVATION: 5960

DATE ABANDONED: PA 10-2-88

FIELD: BLUEBELL

UNIT:

COUNTY: DUCHESNE

WELL NO. HELEN LARSEN 2-5A1 API NO 43-013-30920

LOCATION (Surf) 1780' FNL FROM (N) (S) LINE 1980' FWL FT. FROM (E) (W) LINE SENW 1/4 — 1/4 SEC. 5

(BHL) 2640' FNL 1980' FWL SENW 5

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
1S	1W	5	LINMAR ~~ENERGY CORPORATION~~ Petroleum Co. (Chris Denver / John Chase)				

GEOLOGIC TOPS: [redacted]

QUATERNARY	Star Point	Chinle	Molas
Alluvium	Wahweap	Shinarump	Manning Canyon
Lake beds	Masuk	Moenkopi	Mississippian
Pleistocene	Colorado	Sinbad	Humbug
Lake beds	Sego	PERMIAN	Brazer
TERTIARY	Buck Tongue	Kaibab	Pilot Shale
Pliocene	Castlegate	Coconino	Madison
Salt Lake	Mancos	Cutler	Leadville
Oligocene	Upper	Hoskinnini	Redwall
Norwood	Middle	DeChelly	DEVONIAN
Eocene	Lower	White Rim	Upper
Duchesne River	Emery	Organ Rock	Middle
Uinta	Blue Gate	Cedar Mesa	Lower
Bridger	Ferron	Halgaite Tongue	Ouray
Green River 6683	Frontier	Phosphoria	Elbert
	Dakota	Park City	McCracken
	Burro Canyon	Rico (Goodridge)	Aneth
	Cedar Mountain	Supai	Simonson Dolomite
	Buckhorn	Wolfcamp	Sevy Dolomite
	JURASSIC	CARBONIFEROUS	North Point
Wasatch 11,010	Morrison	Pennsylvanian	SILURIAN
Stone Cabin	Salt Wash	Oquirrh	Laketown Dolomite
Colton	San Rafeal Gr.	Weber	ORDOVICIAN
Flagstaff	Summerville	Morgan	Eureka Quartzite
North Horn	Bluff Sandstone	Hermosa	Pogonip Limestone
Almy	Curtis		CAMBRIAN
Paleocene	Entrada	Pardox	Lynch
Current Creek	Moab Tongue	Ismay	Bowman
North Horn	Carmel	Desert Creek	Tapeats
CRETACEOUS	Glen Canyon Gr.	Akah	Ophir
Montana	Navajo	Barker Creek	Tintic
Mesaverde	Kayenta		PRE - CAMBRIAN
Price River	Wingate	Cane Creek	
Blackhawk	TRIASSIC		

ACME VISIBLE CROZET VIRGINIA 100730

Form DOGC-1a

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL [XX] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well
Oil Well [XX] Gas Well [ ] Other Single Zone [XX] Multiple Zone [ ]

2. Name of Operator
CHEVRON U.S.A. INC.

3. Address of Operator
P. O. Box 599, Denver, CO 80201

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface
1780' FNL & 1980' FWL SENW
At proposed prod. zone

5. Lease Designation and Serial No.
Fee

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name
Chevron-WAINOCO etal
~~Helen Larsen~~

9. Well No.
1-5A1

10. Field and Pool, or Wildcat Undesignated
~~Bluebell-Wasatch~~

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 5, T1S, R1W

12. County or Parrish Duchesne 13. State Utah

14. Distance in miles and direction from nearest town or post office*
1/2 mile southeast of Neola, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 660'-within a special unit consisting of said Sec. 5

16. No. of acres in lease 80

17. No. of acres assigned to this well 640

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. No other well

19. Proposed depth 16000' Wasatch

20. Rotary or cable tools Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
GR 5966

22. Approx. date work will start*
October 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12¼"	9-5/8"	36#	2500	To surface
8-3/4"	7"	23,26 & 29#	11,800	To surface
6"	5"	18 or 23.08#	16,000-11,300	TD to top liner

It is proposed to drill this development well to a depth of 16,000' ~~to test the Wasatch~~ Formation.

Attachment:
Drilling Procedure
Certified Plat
Chevron Class IV BOP Requirements

3-State
2-USGS
-Partner
1-LRH
1-ALF
1-WJM
1-Sec 723
1-Drlg Rep
1-File

RECEIVED
JUL 1 0 1980
DIVISION OF
OIL, GAS & MINING

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING
DATE: 7-25-80
BY: M. J. Minder

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
Signed J. J. Johnson Title Engineering Assistant Date July 14, 1980

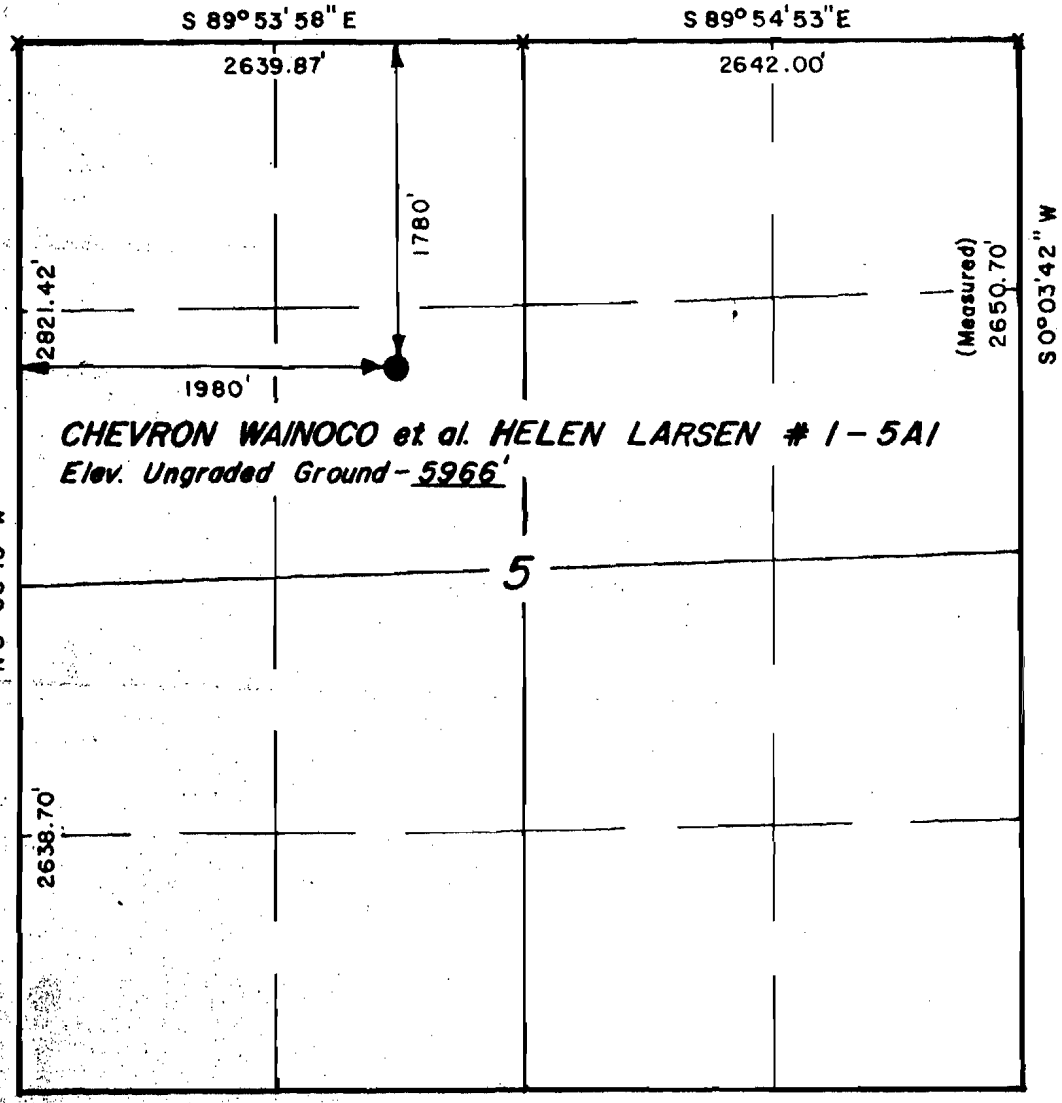
(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date
Conditions of approval, if any:

*See Instructions On Reverse Side

T 1S, R 1W, 6th P.M.



X = Section Corners Located

PROJECT

CHEVRON U.S.A. INC.

Well location, *CHEVRON WAINOCO et al. HELEN LARSEN #1-5A1*, located as shown in the SE1/4 NW1/4 Section 5, T1S, R1W, 6th P.M. Duchesne County, Utah.

N

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Gene Stewart

REGISTERED LAND SURVEYOR
REGISTRATION Nº 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P. O. BOX Q ~ 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'	DATE 7/2/80
PARTY MS KH BJ AG	REFERENCES GLO Plat
WEATHER Partly Cloudy / Hot	FILE CHEVRON USA INC

DRILLING PROCEDURE

Field BLUEBELL Well Chevron, Wainoco et. al. Helen Larsen #1-5A1

Location SE¼NW¼ Duchesne County, Utah

Drill X Deepen _____ Elevation: GL 5950 est. KB 5985 est. Total Depth 16,000

Non-Op Interests 62.33

1. Name of surface formation: Duchesne River

2. Estimated tops of important geologic markers:

Formation	Approximate Top	Formation	Approximate Top
Uinta	3,065 (+2900)	Wasatch Red Wedge	11,500 (-5540)
Green River	6,835 (-870)	Top Abnormal Pressure	13,300 (-7335)
Lower Green River	10,390 (-4425)	Wasatch "B" Zone	13,875 (-7910)
Wasatch Transition	11,235 (-5270)	Lower Wasatch Transition	15,600 (-9635)

3. Estimated depths of anticipated water, oil, gas or other mineral bearing formations:

Formation	Depth	Type	Formation	Depth	Type
Green River	6,835	H_2O, Gas or oil			
Lower Green River	10,390	H_2O, Gas or oil			
Top Abnormal Pressure	13,300	H_2O, Gas or oil			
Wasatch "B" Zone	13,875	H_2O, Gas or oil			

4. Casing Program (O = old, N = new):

	Surface	O/N	Intermediate	O/N	Oil String/ Liner	O/N
Hole Size	12-1/4		8-3/4		6"	
Pipe Size	9-5/8	N	7	N	5	N
Grade	K-55		N-80		P-110	
Weight	36#		23,26,29#		18 or 23.08#	
Depth	2500		11,800		16,000-11,300	
Cement	To Surface		To Surface		TD to top liner	
Time WOC	12		24		24	
Casing Test	1500		2500		2500	
BOP	5000		5000		5000	

Remarks

5. BOPE: Chevron Class IV 10,000 psi MSP (Series 2900)

6. Mud Program:

Depth Interval	Type	Weight	Viscosity	Water Loss
0 - 2,500	Gel-H_2O	± 8.9	±40-50	Uncontrolled
2,500 - 11,800	Non-dispersed	±10.0	±40	±10
11,800 - TD	LS-dispersed	±15.0	±40	Below 10

7. Auxiliary Equipment: Drill pipe safety valve, PVT, kelly cocks, mud cleaner, degasser, automatic choke, rotating head, gas buster.

8. Logging Program:

Surface Depth None

Intermediate Depth Combination DIL-SGR-Caliper. TD to base surf. csg. Continue Gamma only to surf.

Oil String Depth

Total Depth Combination DIL-SGR-Caliper. TD to base intermediate pipe. Continue Gamma for 200' overlap.

9. Mud Logging Unit: Standard 2 man. 6500'-TD

Scales: 2" = 100' 6500' to 9500'; 5" = 100' 9500' to TD

10. Coring & Testing Program:

		Formations	Approximate Depth	Approximate Length of Core
Core None	DST None			
Core	DST			

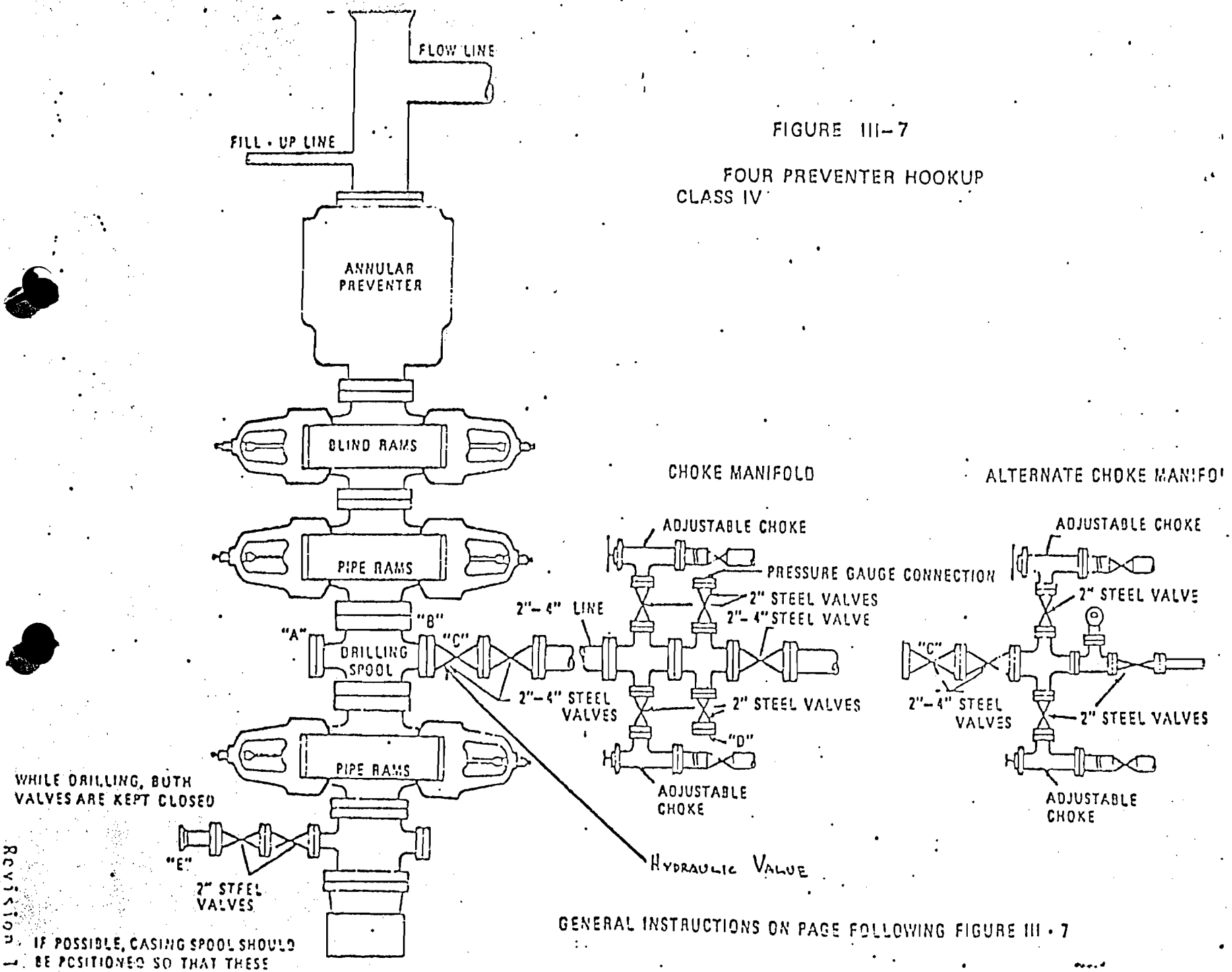
11. Anticipated Bottom Hole Pressure/Temperatures/Hazards and plans for mitigating: 12,000 psi 240°F.

12. Completion & Remarks:

Division Development Geologist
Chief Development Geologist
Division Drilling Superintendent
Date 6/6/80

FIGURE III-7

FOUR PREVENTER HOOKUP
CLASS IV



WHILE DRILLING, BOTH VALVES ARE KEPT CLOSED

IF POSSIBLE, CASING SPOOL SHOULD BE POSITIONED SO THAT THESE VALVES ARE DIRECTLY UNDER THE BARREL OF THE RAM PREVENTER.

GENERAL INSTRUCTIONS ON PAGE FOLLOWING FIGURE III-7

July 30, 1980

Chevron U.S.A. Inc.
P.O. Box 599
Denver, Colorado 80201

RE: Well No. Chevron-Wainoco
etal #1-5A1
Sec. 5, T. 1S, R. 1W.,
Duchesne County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with the Order issued in Cause No. 131-14 dated August 11, 1971.

Should you determine that it will be necessary to plug and abandon this well, you hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Home: 876-3001
Office: 533-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is #1-5A1: 43-013-30536.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [ ] GAS WELL [X] OTHER

2. NAME OF OPERATOR: Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR: P. O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2449' FNL & 2417 FWL SENW

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Chevron-Wainoco et al Helen Larsen

9. WELL NO.: 1-5A1

10. FIELD AND POOL, OR WILDCAT: Undesignate

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5950

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other) Change location			[XX]				

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Location changed to avoid a highly irrigated area.

RECEIVED SEP 15 1980

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 10-17-80

BY M. J. Minder

Attachment: Certified Plat

3-State
2-USGS
1-LRH
-Partners
1-ALF
1-MEC
1-File

18. I hereby certify that the foregoing is true and correct

SIGNED J. J. Crum TITLE Engineering Assistant DATE 9/10/80

(This space for Federal or State office use)

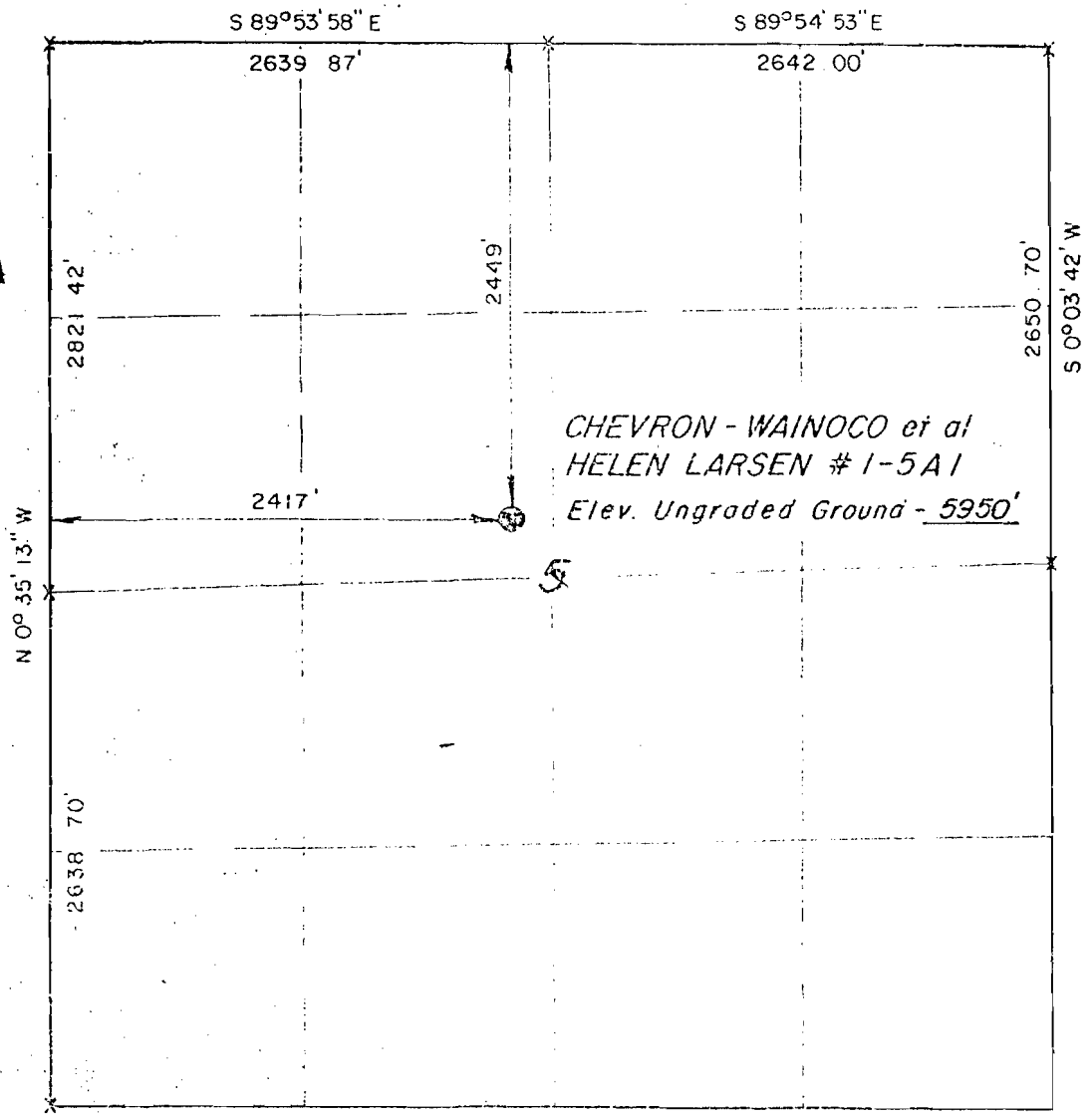
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

BEST COPY AVAILABLE

T 1 S, R 1 W, U.S.B.& M.



X = Section Corners Located

PROJECT

CHEVRON U.S.A. INC.

Well location, *CHEVRON - WAINOCO et al HELEN LARSEN # 1-5A1*, located as shown in the SE 1/4 NW 1/4 Section 5, T1S, R1W, U.S.B.&M. Duchesne County, Utah.

CERTIFICATE

[illegible]

REGISTERED LAND SURVEYOR
REGISTRATION NO 2454
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q — 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

SCALE 1" = 1000'		DATE 9 / 4 / 80
PARTY B.W. R.P.	B.F.W.	REFERENCES GLO Plat
WEATHER [illegible]		FILE CHEVRON

Form OGCC-1 b

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [ ] GAS WELL [X] OTHER

2. NAME OF OPERATOR: Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR: P. O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2499' FNL & 2417 FWL SE, NW

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Chevron-Wainoco et al Helen Larsen

9. WELL NO.: 1-5A1

10. FIELD AND POOL, OR WILDCAT: Undesignate

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5950'

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Please cancel Sundry Notice dated 9/10/80. Location will be as originally submitted.

3-State
2-USGS
4-Partners
1-LRH
1-MEC
1-ALF
1-File

18. I hereby certify that the foregoing is true and correct

SIGNED Erin M. Lomax TITLE Engineering Assistant DATE 10/2/80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

SCOTT M. MATHESON
Governor

GORDON E. HARMSTON
Executive Director,
NATURAL RESOURCES

CLEON B. FEIGHT
Director

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING
1588 West North Temple
Salt Lake City, Utah 84116
(801) 533-5771

OIL, GAS, AND MINING BOARD

CHARLES R. HENDERSON
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JOHN L. BELL
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THADIS W. BOX
MAXILIAN A. FARBMAN
EDWARD T. BECK
E. STEELE McINTYRE

April 13, 1981

Chevron U.S.A. Incorporated
P.O. Box 599
Denver, Colorado 80201

Re: SEE ATTACHED SHEET ON WELLS DUE

Gentlemen:

Our records indicate that you have not filed the Monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rule and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (160 day of the succeeding month. This report may be filed on Form OGC-1B, (U.S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substaintially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS, AND MINING

Sandy Bates

SANDY BATES
CLERK-TYPIST

ATTACHED SHEET OF WELLS DUE

1. Well No. Chevron-Wainco-George
   Fisher et al #1-19A3
   Sec. 19, T. 1S. R. 3W.
   Duchesne County, Utah
   (November 1980 - March 1981)

2. Well No. Chevron-Wainco
   et al #1-5A1
   Sec. 5, T. 1S. R. 1W.
   Duchesne County, Utah
   (November 1980- March 9181)

3. Well No. Salina Unit #1
   Sec. 33, T. 22S. R. 1W.
   Sevier County, Utah
   (February 1981 - March 1981)

4. Well No. Red Wash Unit (41-29C)
   Sec. 29, T. 7S. R. 24E.
   Uintah County, Utah
   (October 1980- March 1981)

Uinta Research and Analytical Services

P.O. BOX 1488 - ROOSEVELT, UTAH 84066

James F. Smith (801) 722-2532

WATER ANALYSIS REPORT

COMPANY Uintah Basin Concrete Co. ADDRESS Roosevelt, Utah DATE: 4-7-81

SOURCE Chevron Oil Co. (Helen Larsen) DATE SAMPLED 4-6-81 ANALYSIS NO. W-39

Analysis		Mg/L			*Meq/L	
1. PH	6.82					
2. H_2S (Qualitative)						
3. Specific Gravity	1.005					
4. Dissolved Solids		1852				
5. Suspended Solids						
6. Phenolphthalein Alkalinity ($CaCO_3$)						
7. Methyl Orange Alkalinity ($CaCO_3$)		435				
8. Bicarbonate (HCO_3)	HCO_3	587	÷	61	10	HCO_3
9. Chlorides (Cl)	Cl	710	÷	35.5	20	Cl
10. Sulfates (SO_4)	SO_4	0	÷	48	0	SO_4
11. Calcium (Ca)	Ca	183	÷	20	9	Ca
12. Magnesium (Mg)	Mg	150	÷	12.2	12	Mg
13. Total Hardness ($CaCO_3$)		1000				
14. Total Iron (Fe)		.9				
15. Barium (Qualitative)						
16. Specific Conductivity (RW)	mmHos				ppm	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

9	Ca	HCO_3
12	Mg	SO_4
9	Na	Cl
		10
		0
		20

Saturation Values	Distilled Water 20° C
$CaCO_3$	13 Mg/L
$CaSO_4 \cdot 2H_2O$	2,090 Mg/L
$MgCO_3$	103 Mg/L

Compound	Equiv. Wt. X	Meq/L	=	Mg/L
$Ca(HCO_3)_2$	81.04	9		729
$CaSO_4$	68.07	0		0
$CaCl_2$	55.50	0		0
$Mg(HCO_3)_2$	73.17	1		73
$MgSO_4$	60.19	0		0
$MgCl_2$	47.62	11		524
$NaHCO_3$	84.00	0		0
Na_2SO_4	71.03	0		0
NaCl	58.46	9		526

Remarks: Dirty Water.

Thank you for the business:

The INK SPOT -Roosevelt, Utah

Dudley

Kathy file

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

WELL INSPECTION RECORD

NAME OF COMPANY: Chevron USA

WELL NAME: Chevron - Wainoco Et Al 1-5A1

SECTION: SE NW 5 TOWNSHIP: 1S RANGE: 1W COUNTY: Duchesne

DATE: 4-6 19 81 LOCATION INSPECTED

TOTAL DEPTH: Well was com- AT TIME OF VISIT pleted 16000 ±

NAME OF DRILLING CONTRACTOR:

RIG NUMBER:

COMMENTS:

On April 4, 1981, Mr. Mark Christensen of the USGS reported that a spill had accured at the above referenced well and a considerable amount of fluids were released down a drainage. Mr Jay Haslem of Chevron was immediately notified by phone concerning the incidence and after visiting the well, stated that Mr. Tom Reidhead (the contractor) had cut the dike in the reserve pond releasing some water (about 1 foot down from the high water line), but he had backfilled the cut and shut off the drainage from the pond. He told Mr. Reidhead to contact us as soon as possible.

Within an hour Mr. Reidhead called to say he had the permission of Mr.Moon the land owner, to drain the pond over his land. When he realized there might be a problem he back filled the dike and now wanted permission to build another pond in which to drain the fluids remaining in this pond. He decided to try another method when told he would have to meet state standards for a surface disposal pond, possibly piping it down into the Oray City sewer system after receiving their

DATE: 4-7-81 SIGNED: M. J. Minder

SEND TYPED COPY TO COMPANY: YES X NO

approval. It was suggested that he might consider trucking fluids out to a state approved disposal well or surface disposal facility and since he had caused the spill that he together with Mr. Haslem draw a sample from the pit and obtain an analysis to show the quality of pond. He was cautioned at this time, not to allow any more fluids to escape from the pond or to ever open another impoundment without receiving prior approval from this Division.

On April 6, 1981, the well was visited by Jerry Riding of the Bureau of Water Pollution and myself for purposes of investigating the incidence. The pond had been breached and 3000-5000 bbls of fluid released into a drainage which entered a flowing stream. Two samples were collected, one from the reserve pond and one from the drainage and photos were taken of the location.

Causing fluids to escape from the pond is in violation of Title 40, Utah Code Annotated 40-6-5, and of Rule C-17 of the Oil and Gas Conservation General Rules and Regulations. It is also in violation of the Dept of Health Rules and Regs., and when action is taken it may be well to coordinate among agencies as to the course to be followed.

Yours truly,

M. T. Minder

Michael T. Minder
PETROLEUM ENGINEER

MTM/rb

cc: C.B. Feight, Division of Oil, Gas and Mining
J. Riding, Bureau of Water Pollution
Michelle Hornback, Chevron, PO BOX 599
Denver, Colorado 80201
Russ Hamilton, Chevron, PO BOX 266
Neola, Utah 84053
Tom Reidhead, Uintah Concrete, East Hwy 40
Roosevelt, Utah 84066

Sent 4/10/81 KC

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Chevron U.S.A. Inc.

8. FARM OR LEASE NAME: Chevron-Wainoco etal ~~Helen Larson~~

3. ADDRESS OF OPERATOR: P. O. Box 599, Denver, CO 80201

9. WELL NO.: 1-5A-1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2449' FNL & 2417' FWL (SENW)

10. FIELD AND POOL, OR WILDCAT: Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T18S, R1W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 5950

12. COUNTY OR PARISH: Duchense

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)		Well Status	[X]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Date: March 30, 1981

Depth at 16,007' flw tstng well.

RECEIVED
MAY 4 1981
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Erin M. Lessard TITLE Engineering Assistant DATE April 28, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Scott M. Matheson
Governor

James O. Mason, M.D., Dr.P.H.
Executive Director
801-533-6111

DIVISIONS
Community Health Services
Environmental Health
Family Health Services
Health Care Financing and Standards

OFFICES
Administrative Services
Health Planning and Policy Development
Medical Examiner
State Health Laboratory

STATE OF UTAH
DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
150 West North Temple, P.O. Box 2500, Salt Lake City, Utah 84110

533-6146
Alvin E. Rickers, Director
Room 426 801-533-6121

May 1, 1980

File in well file
OBJ

Mr. Tom Reidhead
Uintah Concrete
Roosevelt, UT 84066

Dear Mr. Reidhead:

This is to inform you that it is unlawful to pollute the surface or groundwaters of the State. On April 4, 1981, it was reported that a spill occurred at Chevron-Wainoco well number 1-5A1 near Neola, Utah. We were informed by phone that you had cut the dike in the reserve pond releasing an estimated 3000-5000 bbls of fluid into a drainage which flowed to an active stream. A visit on April 6, 1981 by Mike Minder of the Division of Oil, Gas and Mining and Jerry Riding of this office confirmed the reported incident. Two samples were taken and sent to the State laboratories for chemical analysis. The analytical results showed the fluids to be high in chromium and other chemical parameters were also unusally high for permissible agricultural discharge. This discharge was in violation of Section 73-14-5 of the Utah Water Pollution Control Act.

You met with Jerry Riding and Fred Pehrson of our staff during the week of April 13, 1981 to discuss putting the remainder of the reserve pond waste liquids and drilling muds into a separate pond located on the property of Mr. Moon (landowner). A visit to the location April 24, 1981 was made by Mr. Riding and Mr. Minder to inspect the proposed location of the new pond. Both confirmed the location and construction of the new pond to be unsatisfactory. On Monday April 27, you were informed by Mr. Pehrson that you would not be allowed to dispose of the drilling muds at the proposed location.

The Bureau of Water Pollution Control is desirous to work with you to obtain a proper location to dispose of liquid wastes and drilling muds in either a properly designed evaporation pond of your own construction or one already approved and operating.

If you have any questions please call me.

Sincerely,

Calvin K. Sudweeks, Director
Bureau of Water Pollution Control

RECEIVED
MAY 5 1981
DIVISION OF
OIL, GAS & MINING

cc: C. B. Feight, Division of Oil, Gas and Mining
Michelle Hornback, Chevron
Russ Hamilton, Chevron

JRR:een

An Equal Opportunity Employer

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR: P. O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2449' FNL & 2417' FWL (SENW)

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Chevron-Wainoco etal Helen Larson

9. WELL NO.: 1-5A-1

10. FIELD AND POOL, OR WILDCAT: Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T18S, R1W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 5950

12. COUNTY OR PARISH:

13. STATE:

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)		Well Status	[X]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Date: April 30, 1981

Depth at 15,929' PBTD.
Flow tstng well.

18. I hereby certify that the foregoing is true and correct

SIGNED Erin M. Leonard TITLE Engineering Assistant DATE May 6, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR: P. O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2449' FNL & 2417' FWL (SENW)

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Chevron-Wainoco etal Helen Larson

9. WELL NO.: 1-5A-1

10. FIELD AND POOL, OR WILDCAT: Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T18S, R1W

12. COUNTY OR PARISH: Sevier

13. STATE: Utah

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 5950

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)		Well Status	[X]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Date: May 31, 1981

Depth at 15,929' PBTD
Flow tstng well.

18. I hereby certify that the foregoing is true and correct

SIGNED Lisa M. Lenard TITLE Engineering Assistant DATE June 9, 1981

(This space for Federal or State office use)

APPROVED BY RA Henrie TITLE FOR E. W. GUYNN DISTRICT ENGINEER DATE JUN 16 1981

CONDITIONS OF APPROVAL, IF ANY:

ACCEPTED

Form OGC-1b

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [XX] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR: P. O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2449' FNL & 2417' FWL (SENW)

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Chevron-Wainoco etal Helen Larson

9. WELL NO.: 1-5A-1

10. FIELD AND POOL, OR WILDCAT: Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): GR 5950

12. COUNTY OR PARISH: Sevier

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)	Well Status		X	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Date: June 30, 1981

Depth at 15,929 PBTD
Flow tstg well.

18. I hereby certify that the foregoing is true and correct

SIGNED Rex M. Leonard TITLE Engineering Assistant DATE July 6, 1981

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

IN TRIPLICATE
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Chevron U.S.A. Inc.

3. ADDRESS OF OPERATOR: P. O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2449' FNL & 2417' FWL (SENW)

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Chevron-Wainoco etal Helen Larson

9. WELL NO.:

10. FIELD AND POOL, OR WILDCAT: Undesignated

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, OR, etc.): GR 5950

12. COUNTY OR PARISH: Sevier

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)		Well Status	[X]				

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Date: July 31, 1981

Depth at 15,929 PBTD
Well SI

18. I hereby certify that the foregoing is true and correct

SIGNED Erin M. Leonard TITLE Engineering Assistant DATE August 4, 1981

(This space for Federal or State office use)

APPROVED BY [signature] TITLE FOR E. W. GUYNN DISTRICT ENGINEER DATE AUG 10 1981

CONDITIONS OF APPROVAL, IF ANY:

Accepted

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Bow Valley Petroleum, Inc.

3. ADDRESS OF OPERATOR: 1700 Broadway, Suite 900 Denver, Colorado 80290

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2499' FNL & 2417' FWL SE,NW

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: Helen Larsen

9. WELL NO.: 1-5A1

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5-T1S-R1W

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5950' 43-013-30556

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Change of Operator			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A meeting of the working interest owners was held on October 7, 1981. At the time, the working interest owners voted to remove Chevron as operator of the Helen Larsen 1-5A1 and to install Bow Valley Petroleum, Inc. as operator of the well.

Please note, for your records that as of 5:00 PM 10-7-81, Bow Valley Petroleum, Inc. is operator of the Helen Larsen 1-5A1.

18. I hereby certify that the foregoing is true and correct

SIGNED David A. Gomendi TITLE Division Engineer DATE 10-21-81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

December 22, 1981

Bow Valley Petroleum
1700 Broadway, Suite 900
Denver, Colorado 80290

Re: See attached sheet

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse
Clerk Typist

Well No. Chevron Wainoco etal #1-5A1
Sec. 5, T. 1S, R. 1W
Duchesne County, Utah
(April 1981- November 1981)

Well No. DCSD #1-22B1
Sec. 22, T. 2S, R. 1w
Duchesne County
(September 1981 - November 1981)

Well No. Cox 1-13A1E
Sec. 13, T. 1S, R. 1E
Uintah County, Utah
(August 1981 - November 1981)

Well No. Cox 1-13A1E
Sec. 13, T. 1S, R. 1E
Uintah County, Utah
(January 1981 - November 1981)

Well No. Ute #1-17A1E
Sec. 17, T. 1S, R. 1E
Uintah County, Utah
(January 1981- November 1981)

Well No. Ute Tribal #1-25A1E
Sec. 25, T. 1S, R. 1E.
Uintah County, Utah
(February 1981- November 1981)

Well No. Fausett #1-26A1E
Sec. 26, T. 1S, R. 1E
Uintah County, Utah
(February 1981- November 1981)

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 4, 1982

Bow Valley Petroleum
1700 Broadway, Suite 900
Denver, Colorado 80290

Re: Well No. Chevron Wainoco etal #1-5A1
Sec. 5, T. 1S, R. 1W.
Duchesne County, Utah
December 1981- February 1982
SECOND NOTICE

Well No. Ute #1-17A1E
Sec. 17, T. 1S, R. 1E.
Uintah County, Utah
(December 1981- February 1982)
SECOND NOTICE

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck
Robert R. Norman • Margaret R. Bird • Herm Olsen

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STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 4, 1982

RECEIVED
MAR - 8 1982
BOW VALLEY
PETROLEUM (U.S.) INC.

Write to Chevron for reports up until Bow Valley took over

Bow Valley Petroleum
1700 Broadway, Suite 900
Denver, Colorado 80290

Re: Well No. Chevron Wainoco etal #1-5A1
Sec. 5, T. 1S, R. 1W.
Duchesne County, Utah
December 1981- February 1982
SECOND NOTICE
Bow Valley did not drill

Well No. Ute #1-17A1E
Sec. 17, T. 1S, R. 1E.
Uintah County, Utah
(December 1981- February 1982)
SECOND NOTICE

RECEIVED
MAR 22 1982
DIVISION OF
OIL, GAS & MINING

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck
Robert R. Norman • Margaret R. Bird • Herm Olsen
an equal opportunity employer • please recycle paper

Bow Valley Petroleum Inc.
1700 Broadway, Suite 900, Denver, CO 80290

Telephone: (303) 861-4366
Telecopier: (303) 832-3825
Telex: 45-0033

March 11, 1982

RECEIVED
MAR 15 1982
DIVISION OF
OIL, GAS & MINING

State of Utah
Natural Resources & Energy
Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Ms. Cari Furse

RE: Well Completion & Recompletion Reports

Dear Ms. Furse:

This is in response to your letters of March 4, 1982, requesting that we send you well completion or recompletion reports pertaining to our wells located in the state of Utah.

In our Roosevelt Office located at the following address, you may contact and work with our Engineer, Doug Howard:

Bow Valley Petroleum Inc.
P. O. Drawer 130
Roosevelt, Utah 84066
Phone: 801-722-5166

I have informed Doug Howard of the well information you have requested, and you should be receiving the information on the following wells:

Ute Tribal 1-25A1E	Fausett 1-26A1E	Cox 1-13A1E
Magdelene Papadopulos 2-34A1E	Helen Larsen 1-5A	Ute 1-15A1E
		Ute 1-17A1E

Thank you for you kind attention and cooperation. If additional information is necessary, please do not hesitate to contact me.

Sincerely,

BOW VALLEY PETROLEUM INC.

Judy Beacon

Judy Beacon, Secretary to
D. A. Gomendi

:jb

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

March 26, 1982

Chevron U. S. A. Inc.
P. O. Box 599
Denver, Colorado 80201
ATT: Erin Leonard

Re: Well No. Chevron Wainoco etal #1-5A1
Sec. 5, T. 1S, R. 1W.
Duchesne County, Utah

Dear Ms. Leonard:

I am writing as per our conversation on the phone this day to request the drilling reports from April 1981 until completion and for the Well Comletion Report Form OGC-3, on the above referred to well. I am enclosing the proper forms if you need them.

Thank you,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

Board/Charles R. Henderson, Chairman • John L. Bell • E. Steele McIntyre • Edward T. Beck
Robert R. Norman • Margaret R. Bird • Herm Olsen

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FILE IN TRIPLICATE
FORM OGC-8-X

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1588 West North Temple
Salt Lake City, Utah 84116

RECEIVED
APR 02 1982
DIVISION OF
OIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number Chevron-Wainoco et al Helen Larson 1-5A1

Operator Chevron U.S.A. Inc. *Address* P.O. Box 599, Denver, CO 80201

Contractor Anderson-Meyers *Address* Three Park Central Suite 1075, Denver, CO 80202

Location SE ¼ NW ¼ *Sec.* 5 *T.* 1S *R.* 1W *County* Duchesne

Water Sands

	Depth		Volume	Quality
	From	To	Flow Rate or Head	Fresh or Salty
1.	None Reported			
2.				
3.				
4.				
5.				

(Continue of reverse side if necessary)

Formation Tops

Remarks

NOTE: (a) *Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.*

(b) *If a water analysis has been made of the above reported zone, please forward a copy along with this form.*

Form OGC-3

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE
(See other instructions on reverse side)

56 64 01

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR: Chevron U.S.A. Inc. *

3. ADDRESS OF OPERATOR: P.O. Box 599, Denver, CO 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1780' FNL & 1980' FWL SENW
At top prod. interval reported below
At total depth

RECEIVED APR 12 1982 DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: Fee
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Chevron-Wainoco et al Helen Larsen
9. WELL NO.: 1-5A1
10. FIELD AND POOL, OR WILDCAT: Bluebell
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.: 43-013-30536 DATE ISSUED: 7-25-80
12. COUNTY OR PARISH: Duchesne
13. STATE: Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
10-31-80	3-7-81	Not Completed	GR 5966 KB 5982	

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
16,014	15,814'		→	0-16,014'	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: DIL-GR, BHC Sonic-GR, NGT

27. WAS WELL CORED: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	2495	12¼	1858	
7"	26 & 29#	11,869	8-3/4	3900	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5"	11,464	16,005	515	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	11,491	11,407

31. PERFORATION RECORD (Interval, size and number)

SEE ATTACHED

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
13,716-15,807	40,000 gals 15% HCL
14,105-15,925	25,000 gals 15% HCL

33.* PRODUCTION

DATE FIRST PRODUCTION: | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Flowing | WELL STATUS (Producing or shut-in): SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-22-81	24	16/64	→	52	50	0	961

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
60 psig	0 psig	→	52	50	0	42

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold

TEST WITNESSED BY: L. R. Hamilton

35. LIST OF ATTACHMENTS: Perforation Detail

*Bow Valley Exploration Inc Became operator on October 2, 1981.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED J J Johnson TITLE Engineering Assistant DATE April 8, 1982

*(See Instructions and Spaces for Additional Data on Reverse Side)

API No. 43-013-30536

Chevron-Wainoco et al
Helen Larsen 1-5A1

Perforation Detail

2 shots/ft
*4 shots/ft

13,716	13,976	14,204	14,478	14,708*	14,904*	15,082*
13,720	13,977	14,205	14,479	14,710	14,906*	15,092*
13,726	13,982	14,227*	14,480	14,713	14,908*	15,106*
13,732	13,989	14,229*	14,482	14,715	14,911*	15,114*
13,738	13,993	14,231*	14,504	14,716	14,916*	15,121*
13,740	13,995	14,233*	14,505	14,718	14,920*	15,133*
13,742	13,997	14,235*	14,506	14,719	14,922*	15,135*
13,744	13,999	14,267	14,507	14,721	14,924*	15,137*
13,746		14,268	14,520	14,723	14,929*	15,139*
13,748	14,004	14,289	14,521	14,732	14,931*	15,141*
13,750	14,008	14,290	14,523	14,734	14,933*	15,144*
13,752	14,011	14,292*	14,524	14,735	14,935*	15,148*
13,754	14,019	14,294*	14,526	14,737	14,937*	15,156*
13,756	14,021	14,296*	14,527	14,744	14,939*	15,215*
13,762	14,029	14,298*	14,537	14,746	14,949*	15,220*
13,764	14,035	14,300*	14,538	14,748	14,951*	15,244*
13,766	14,038	14,302	14,539	14,750	14,954*	15,246*
13,768	14,041	14,303	14,540	14,752	14,956*	15,248*
13,786	14,043	14,307	14,541	14,754	14,962*	15,286*
13,788	14,048	14,308	14,542	14,756	14,965*	15,302*
13,790	14,052	14,321	14,543	14,758	14,969*	15,308*
13,802	14,104	14,323	14,544	14,760	14,971*	15,312*
13,820	14,105*	14,324	14,550	14,762	14,978*	15,314*
13,828	14,106*	14,326	14,552	14,764	14,980*	15,332*
13,830	14,107*	14,332	14,555	14,766	14,983*	15,345*
13,832	14,108*	14,333	14,557	14,772*	14,986*	15,347*
13,834	14,109	14,339	14,570	14,786*	14,989*	15,352*
13,854	14,116	14,340	14,572*	14,790*	14,991*	15,359*
13,857	14,117	14,342	14,574	14,797*	14,993*	15,362*
13,860	14,118	14,343	14,605	14,799*	14,997*	15,378*
13,870	14,119	14,347	14,607*	14,805*		15,380*
13,872	14,141	14,348	14,609*	14,812*	15,002*	15,382*
13,873	14,142	14,354	14,611	14,816*	15,004*	15,393*
13,876	14,153	14,355	14,650	14,823*	15,013*	15,394*
13,877	14,154	14,371	14,652	14,825*	15,017*	15,410*
13,880	14,155	14,372	14,653	14,841*	15,020*	15,416*
13,909	14,156	14,407	14,655	14,846*	15,029*	15,422*
13,911	14,182	14,409*	14,658	14,849*	15,031*	15,429*
13,914	14,183	14,411	14,660	14,862*	15,033*	15,431*
13,922	14,185*	14,412	14,663	14,864*	15,038*	15,433*
13,923	14,187*	14,414	14,665*	14,872*	15,040*	15,435
13,933	14,195*	14,418	14,667	14,874*	15,042*	15,437*
13,935	14,196*	14,426	14,672	14,876*	15,048*	15,452*
13,942	14,197*	14,430	14,673	14,878*	15,050*	15,463*
13,944	14,198*	14,470	14,694	14,880*	15,054*	15,465*
13,946	14,199*	14,471	14,696*	14,884*	15,058*	15,492*
13,948	14,200*	14,472	14,698	14,889*	15,060*	15,510*
13,952	14,201*	14,473	14,700	14,894*	15,073*	15,516*
13,956	14,202	14,475	14,704	14,896*	15,076*	15,526*
13,962	14,203	14,476	14,706*	14,900*	15,078*	15,538*
				14,902*		

Chevron

Chevron U.S.A. Inc.
700 South Colorado Blvd., P. O. Box 599, Denver, CO 80201

April 1, 1982

Chevron-Wainoco et al
H. Larsen 1-5A1
Duchesne Co., Utah

1S 1W 5
Duchesne

State of Utah
Natural Resources & Energy
Oil, Gas and Mining

Attention Ms. Cari Furse

Dear Ms. Furse:

Enclosed are copies of the Sundry notices regarding the above said well dating from April, 1981 thru August, 1981. On August 2, 1981, Bow Valley Petroleum Inc. assumed responsibility for the completion of H. Larsen 1-5A1. I am also including a Well Completion or Recompletion Report and Log covering the work Chevron accomplished thru 10-2-81.

Very truly yours,

Erin M. Leonard

Erin M. Leonard

EML/ry
Enclosure

RECEIVED
APR 12 1982
DIVISION OF
OIL, GAS & MINING

Bow Valley Petroleum Inc.

PERFORATION DETAIL

HELEN LARSEN #1-5A1

GREEN RIVER PERFORATIONS (ATTACHMENT TO FORM OGC-3)

4" Casing Gun; 3JSPF, 120° phased

11,350	10,987
11,340	10,966
11,331	10,933
11,324	10,915
11,307	10,885
11,294	10,868
11,285	10,842
11,269	10,779
11,237	10,769
11,232	10,759
11,220	10,748
11,210	10,696
11,186	10,688
11,178	10,662
11,171	10,631
11,167	10,628
11,156	10,607
11,145	10,596
11,126	10,589
11,102	10,585
11,097	10,579
11,079	10,570
11,073	10,552
11,067	10,516
11,060	10,480
11,052	10,452
11,031	10,426
11,023	10,418
11,002	

57 Perfs

UTAH
NATURAL RESOURCES

To: Well File

From: R. J. Firth

Date: 4/18/84 ✓

New API #

☐ For your information and file.

☐ For necessary action.

☐ Reply directly to origin with a copy to this office.

☐ Please draft a reply for signature of _____

_____ and

return by the following date _____.

☐ Other Verbal approval to Ed Whicker Lemmon for Reenty. Will submit APD + Change of operator

RECEIVED

APR 19 1984

DIVISION OF OIL
GAS & MINING

LINMAR ENERGY CORPORATION
P.O. Box 1327
Roosevelt, Utah 84066

(801)722-4633

April 17, 1984

STATE OF UTAH
Division of Oil, Gas, and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Helen Larsen 2-5A1
Application for Permit
to Redrill

Gentlemen:

Linmar Energy has taken a farmout from Chevron, to whipstock and redrill the Helen Larsen 1-5A1. With the verbal approval of Ron Firth, a workover rig is in the process of cement squeezing the existing Greenriver perforations.

An application for permit and ten point plan are enclosed.

In order to maintain Linmar's lease position, it is necessary that drilling operations commence as quickly as possible.

Proper designation of Agent will be forthcoming.

Your help is greatly appreciated.

Very Truly Yours,

E. B. Whicker

E. B. Whicker
Manager of Engineering

Form OGC-3

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [ ] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [X] DIFF. RESVR. [X] Other

2. NAME OF OPERATOR: BOW VALLEY PETROLEUM, INC.

3. ADDRESS OF OPERATOR: P. O. DRAWER 130, ROOSEVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1780' FNL, 1980' FWL
At top prod. interval reported below
At total depth SAME

SENW

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: CHEVRON USA INC et al ~~HELEN LARSEN~~

9. WELL NO.: 1-5A1

10. FIELD AND POOL, OR WILDCAT: ~~Bluebell-Greenriver~~ UNDESIGNATED

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 5, T1S R1W

14. PERMIT NO. 43-013-30534 DATE ISSUED 7-25-80

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

15. DATE SPUDDED:

16. DATE T.D. REACHED:

17. DATE COMPL. (Ready to prod.):

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: 5960 GR

19. ELEV. CASINGHEAD:

20. TOTAL DEPTH, MD & TVD:

21. PLUG, BACK T.D., MD & TVD: 4 CIBP @ 11,410'

22. IF MULTIPLE COMPL., HOW MANY*:

23. INTERVALS DRILLED BY: → ROTARY TOOLS: CABLE TOOLS:

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Green River 11,350' to 11,~~0~~40' 10418

25. WAS DIRECTIONAL SURVEY MADE:

26. TYPE ELECTRIC AND OTHER LOGS RUN:

27. WAS WELL CORED:

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	29#	11,870			

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5"	11,469	16,004		

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	11,050	11,050

31. PERFORATION RECORD (Interval, size and number)
See Attached

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
11,350'-11,040	20,000 gal. 15% HCl

33.* PRODUCTION

DATE FIRST PRODUCTION: 6/8/82
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Flowing
WELL STATUS (Producing or shut-in):

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/18/82	17	26	→	317.2	134	75	422

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
50	0	→	447.8	189	106	40

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: Perforation Detail

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED D. T. Havard TITLE District Engineer DATE 7/15/82

*(See Instructions and Spaces for Additional Data on Reverse Side)

Form OGC-1a

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
DRILL ☐ DEEPEN ☒ PLUG BACK ☐

b. Type of Well
Oil Well ☒ Gas Well ☐ Other Single Zone ☒ Multiple Zone ☐

2. Name of Operator
Linmar Energy Corporation

3. Address of Operator
P.O. Box 1327, Roosevelt, Utah 84066

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface
1780' FNL 1980' FWL (SENW)
At proposed prod. zone
Within 660' of a point 2640' FNL 1980' FWL SE¼NW¼

5. Lease Designation and Serial No.
Fee

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name
Helen Larsen

9. Well No.
2-5A1

10. Field and Pool, or Wildcat
Bluebell

11. Sec., T., R., M., or Blk. and Survey or Area
Sec 5-T1S-R1W, USM

12. County or Parrish 13. State
Duchesne Utah

14. Distance in miles and direction from nearest town or post office*
One mile east of Neola, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 1780'

16. No. of acres in lease 640

17. No. of acres assigned to this well 640

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. NA

19. Proposed depth 16000' Wasatch

20. Rotary or cable tools
Rotary

21. Elevations (Show whether DF, RT, GR, etc.)

22. Approx. date work will start*

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
	7"	29	11,870	Already in hole.
6"	5"	18	11000-16000	700 CF

Linmar Energy proposes to plug this well back to the middle Green River Fm., cut a window in the 7" casing, and to redrill the Wasatch and Lower Green River Fms.

A ten point plan is attached.

No additional surface disturbance will be required.

Proper water rights will be obtained prior to spudding.

*APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 4/25/84
BY: [illegible]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

Signed E. B. Whicker Title Manager of Operations Date 4/17/84

(This space for Federal or State office use)

Permit No. Approval Date

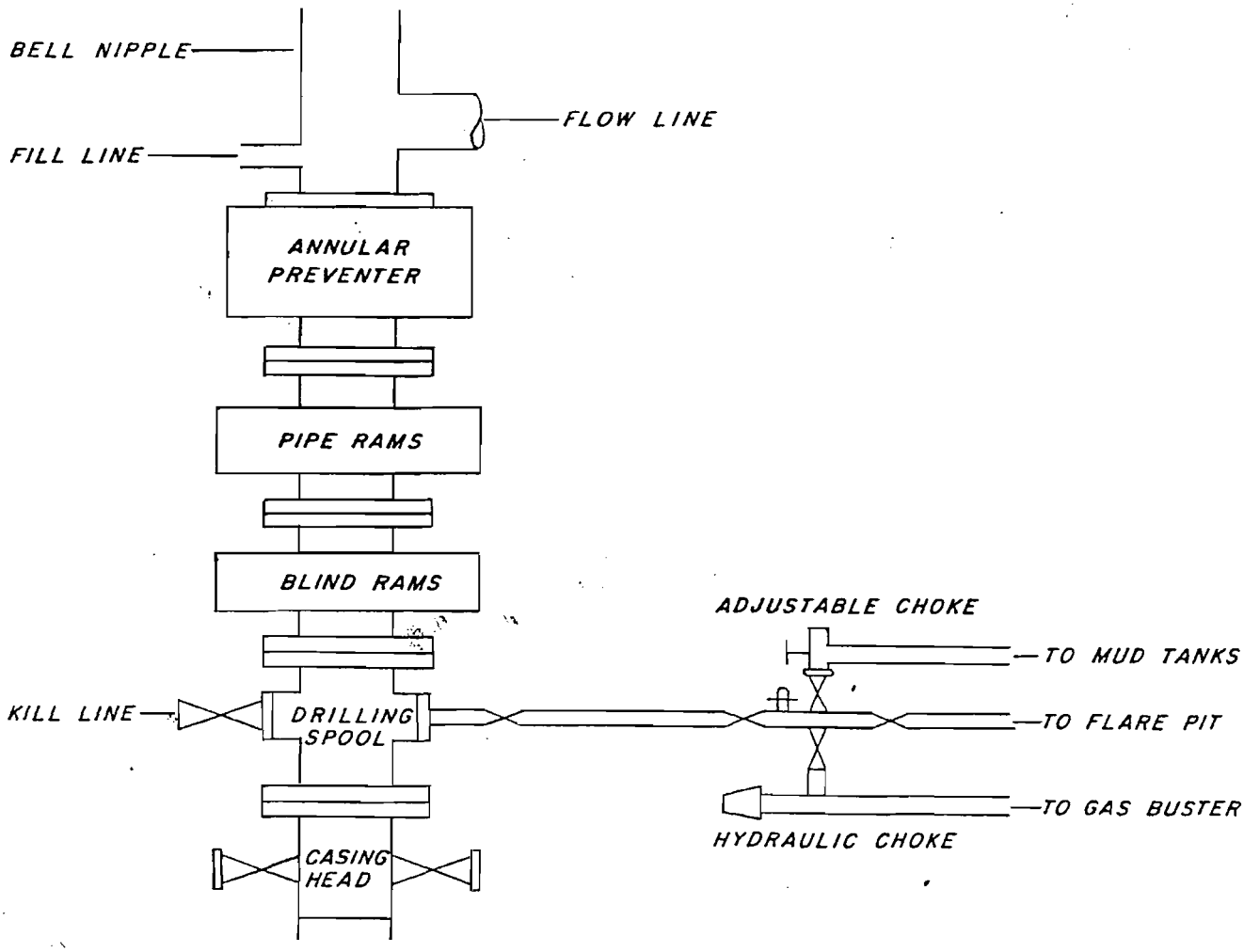
Approved by Title Date

Conditions of approval, if any:

*Verbal approval given to Mr. E.B. Whicker, 4/18/84, to proceed with operations to prepare well for whipstock procedures to redrill.

*See Instructions On Reverse Side

[illegible]OW OUT PREVENTION EQUI[illegible]ENT



Minimum 3,000 PSI BOPE is to be installed after cutting window in 7" csg.

The pipe rams and blind rams are to be tested to 3,000 PSI and the annular preventer to 1,500 PSI prior to drilling out shoe.

All auxillary BOPE will be tested to appropriate pressures when BOP'S are tested. (Manifold, upper and lower Kelly cocks, valves, and inside BOP).

After drilling the shoe, the casing seat will be pressure tested to an equivalent mud weight of 13.5 ppg.

LINMAR ENERGY CORPORATION
Helen Larson 2-5A1
SWNE, Section 5-T1S-R1W
Duchesne County, Utah
Addendum to OGC-1A, APD
April 17, 1984

Well Prognosis

1. Surface Formation: Uinta Formation

2. Estimated Formation Tops:

Green River Formation	9500'
Wasatch Formation	13500'

3. Expected Mineral Bearing Depths:

Fresh Water	Surface to 500'
Saline Water	500' to TD
Oil & Gas	7500' to TD

4. Casing Program:

Except for the liner, the existing casing in the well will be utilized. 7", 29# casing is presently set at 11,870'. A CIBP has been set @ 11,410'. 171 Green River perforations are open from 10,418 to 11,350'. There is a permanent packer set @ 11,040'. Linmar plans to sting into the packer at 11,040 and inject 75 CF of cement under the packer. The seal assembly will then be unstung and an additional 85 CF will be spotted across the remaining perforations, the tubing pulled, and the perforations squeezed to 500 psi.

The cement will then be drilled out to approximately 11,000' and the well will be whipstocked to the south at about 10 degrees. Deviation will be controlled to maintain the wellbore within the inside fortys in the section.

After drilling to 16,000', a 5" liner will be ran as follows:

Depth	Bit	Casing	Weight	Grade	Cement
10900-16000	6.00	5.00	18	P110	500 CF

5. Pressure Control - See Attached Diagram:

Minimum 3000 PSI Double rams with Spherical BOP to be installed prior to cutting window in 7", Long String.

BOP's to be tested to 3000 psi after installation, and operated daily.

6. Drilling Mud:

Fresh gel mud, weighted with barite, as required, will be used to TD. A minimum of 200 bbls of mud will be maintained in the mud tanks during normal operations. A minimum of 1000 sacks of barite will be on location.

7. Auxillary Equipment:

(1) Top and bottom kelly cocks, (2) PVT equipment, and (3) stabbing valve will be maintained on the drilling floor, after reaching the top of the Wasatch Fm. A Choke manifold, with automatic choke, and a gas buster will also be available, when drilling overpressured intervals.

8. Formation Evaluation:

No cores or DST's are anticapated.
DIL-GR logs will be run from the window TD. CNL-FDC and mud logs will be run from 12000' to TD.

9. Drilling Hazards:

Overpressured intervals are expected in the lower Wasatch Fm. Pressure control equipment, weighted muds, and mud monitoring, previously otlined, will be adequate to maintain control of the well.

No other drilling Hazards are anticipated.

10. Timing:

The anticipated spud date is April 20, 1984. Estimated drilling time is 60 days. The completion will take another 15 days.

OPERATOR Lemmon Energy Corp DATE 4-20-84

WELL NAME Helen Lawson 2-5A1

SEC SE NW 5 T 1S R 1W COUNTY Duchesne

Old API # 43-013-30536

43-013-30920	Fee
API NUMBER	TYPE OF LEASE

POSTING CHECK OFF:

[ ] INDEX	[ ] HL	[ ]
[ ] NID	[ ] PI	[ ]
[ ] MAP	[ ]	[ ]

PROCESSING COMMENTS:
Re-entry of Chevron - Wainoco et al 1-5A1. Directional drill of old location.

APPROVAL LETTER:

SPACING: [ ] A-3 _____ UNIT [✓] c-3-a 131-14 CAUSE NO. & DATE

[ ] c-3-b [ ] c-3-c

SPECIAL LANGUAGE:
1. Designation of ~~Operator~~ Agent from BVPI. Chevron.
2. Directional Drilling information Submitted 11/1/84 ok

- [ ] RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.
- [ ] AUTHENTICATE LEASE AND OPERATOR INFORMATION
- [ ] VERIFY ADEQUATE AND PROPER BONDING
- [ ] AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.
- [ ] APPLY SPACING CONSIDERATION
    - [ ] ORDER _____
    - [ ] UNIT _____
    - [ ] c-3-b
    - [ ] c-3-c
- [ ] CHECK DISTANCE TO NEAREST WELL.
- [ ] CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.
- [ ] IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER
- [ ] IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

April 25, 1984

Linmar Energy Corporation
P.O. Box 1327
Roosevelt, Utah 84066

RE: Well No. Helen Larsen 2-5A1
SENW Sec. 5, T. 1S, R. 1W
(Surf) 1780' FNL, 1980' FWL
(BHL) 2640' FNL, 1980' FWL
Duchesne County, Utah

Gentlemen:

Approval to drill the above referenced oil well is hereby granted in accordance with Order of Cause No. 131-14dated August 11, 1971 subject to the following stipulations:

1. Designation of Agent from Chevron.

2. Submittal of directional drilling data upon completion of drilling operations to properly ascertain the location of the producing formation.

In addition, the following actions are necessary to fully comply with this approval:

1. Spudding notification to the Division within 24 hours after drilling operations commence.

2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.

3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify R. J. Firth, Associate Director, Telephone (801) 533-5771 (Office), 571-5068 (Home).

4. Compliance with the requirements and regulations of Rule C-27, Associated Gas Flaring, General Rules and Regulations, Oil and Gas Conservation.

5. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-013-30920.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

RJF/gl

Enclosures

STATE OF UTAH
NATURAL RESOURCES & ENERGY
Water Rights

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Dee C. Hansen, State Engineer

23 East Main Street • P.O. Box 879 • Vernal, UT 84073 • 801-789-3714

RECEIVED
APR 27 1984
DIVISION OF OIL
GAS & MINING

April 25, 1984

Linmar Energy Corporation
P. O. Box 1327
Roosevelt, Utah 84066

RE: Temporary Change 84-43-23

Gentlemen:

The above numbered Temporary Change Application has been approved, subject to prior rights.

A copy is herewith returned to you for your records and future reference.

Sincerely yours,

Ted Baldwin

Ted Baldwin
for Dee C. Hansen, P. E.
State Engineer

DCH:TB/ln

Enclosure

Form 111 8-61-2M

APPLICATION NO. 84-43-33

DISTRIBUTION SYSTEM. .....

Application For Temporary Change of Point of Diversion, Place or Purpose of Use

STATE OF UTAH

(To Be Filed in Duplicate)

Roosevelt, Utah (Place) April 19, (Date) 19 84

For the purpose of obtaining permission to temporarily change the point of diversion, place or purpose of use of water, the right to the use of which was acquired by Application 727 Dry Gulch Irrigation Company (43-3047) (Strike out written matter not needed) (Give No. of application, title and date of Decree and Award No.) to that hereinafter described, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

1. The owner of right or application is Dry Gulch Irrigation Company
2. The name of the person making this application is Evan Gentile for Linmar Energy Corporation
3. The post office address of the applicant is P.O. Box 1327 Roosevelt, Utah 84066

PAST USE OF WATER

4. The flow of water which has been used in second feet is 44 c.f.s.
5. The quantity of water which has been used in acre feet is ~~ten acre feet~~
6. The water has been used each year from April 1 (Month) (Day) to November 1 (Month) (Day), incl.
7. The water has been stored each year from November 2 (Month) (Day) to March 31 (Month) (Day), incl.
8. The direct source of supply is Uintah River in Uintah County.
9. The water has been diverted into a ditch at a point located 2595' South of the NW corner of the NW¼ of Section 20: T1N-R1W, thence flowing South from that point
10. The water involved has been used for the following purpose: Irrigation of downstream acreage

Total ~~unknown~~ 3078 acres.

NOTE: If for irrigation, give legal subdivisions of land and total acreage which has been irrigated. If for other purpses, give place and purpose of use.

THE FOLLOWING TEMPORARY CHANGES ARE PROPOSED

11. The flow of water to be changed in cubic feet per second is .....
12. The quantity of water to be changed in acre-feet is ten acre-feet
13. The water will be diverted into ~~the~~ a water pump or pipe line at a point located 252' East of the West Section Line and 10' South of the North Section Line of Section 5: T1S-R1W, U.S.M.
14. The change will be made from April 23, 19 84, to August 1, 19 84 (Period must not exceed one year)
15. The reasons for the change are water has been purchased from Dry Gulch Irrigation Company to drill and complete the Helen Larsen 9-5A1 Oil Well
16. The water involved herein has heretofore been temporarily changed ..... years prior to this application. (List years change has been made)
17. The water involved is to be used for the following purpose: Drilling and completetion of the Helen Larsen 9-5A1 Oil well in Section 5: T1S-R1W, USM

Total ..... acres.

NOTE: If for irrigation, give legal subdivisions of land to be irrigated. If for other purposes, give place and purpose of proposed use.

EXPLANATORY

water has been purchased from Dry Gulch Irrigation Company by Linmar Energy Corporation Purchase price $3000.00

A filing fee in the sum of $5.00 is submitted herewith. I agree to pay an additional fee for either investigating or advertising this change, or both, upon the request of the State Engineer.

Ronald Duncan, President of Dry Gulch

Signature of Applicant

Evan Gentile, Agent for Linmar Energy Corporation

RULES AND REGULATIONS

(Read Carefully)

This application blank is to be used only for temporary change of point of diversion, place or nature of use for a definitely fixed period not to exceed one year. If a permanent change is desired, request proper application blanks from the State Engineer.

Application for temporary change must be filed in duplicate, accompanied by a filing fee of $5.00. Where the water affected is under supervision of a Water Commissioner, appointed by the State Engineer, time will be saved if the Application is filed with the Commissioner, who will promptly investigate the proposed change and forward both copies with filing fee and his report to the State Engineer. Applications filed directly with the State Engineer will be mailed to the Water Commissioner for investigation and report. If there be no Water Commissioner on the source, the Application must be filed with the State Engineer.

When the State Engineer finds that the change will not impair the rights of others he will authorize the change to be made. If he shall find, either by his own investigation or otherwise, that the change sought might impair existing rights he shall give notice to persons whose rights might be affected and shall give them opportunity to be heard before acting upon the Application. Such notice shall be given five days before the hearing either by regular mail or by one publication in a newspaper. Before making an investigation or giving notice the State Engineer will require the applicant to deposit a sum of money sufficient to pay the expenses thereof.

Address all communications to:

State Engineer

State Capitol Building

Salt Lake City, Utah

STATE ENGINEER'S ENDORSEMENTS

(Not to be filled in by applicant)

Change Application No. ....., ...
(River System)

1. ..... Application received by Water Commissioner .....
(Name of Commissioner)

Recommendation of Commissioner .....

2. 4/25/84 Application received (over counter / by mail) in State Engineer's Office by L.N.

3. ..... Fee for filing application, $7.50, received by ..... ; Rec. No. .....

4. ..... Application returned, with letter, to ....., for correction.

5. ..... Corrected application resubmitted (over counter / by mail) to State Engineer's Office.

6. ..... Fee for investigation requested $..... .

7. ..... Fee for investigation $..... , received by ..... : Rec. No. .....

8. ..... Investigation made by ..... ; Recommendations: .....

.....

9. ..... Fee for giving notice requested $..... .

10. ..... Fee for giving notice $..... , received by ..... : Rec. No. .....

11. ..... Application approved for advertising by (publication / mail) by .....

12. ..... Notice published in .....

13. ..... Notice of pending change application mailed to interested parties by ..... as follows:

.....

.....

14. ..... Change application protested by .....
(Date Received and Name)

.....

15. ..... Hearing set for ..... , at .....

16. April 25 1984 Application recommended for (rejection / approval) by 7KB

17. ..... Change Application (rejected / approved) and returned to .....

THIS APPLICATION IS APPROVED SUBJECT TO THE FOLLOWING CONDITIONS:

1. .....

2. .....

3. .....

Theodor Baldwin
State Engineer

STaTe

DOUBLE "D" ENTERPRISES

B.O.P. Test Report

RECEIVED

JUN 12 1984

DIVISION OF OIL GAS & MINING

B.O.P. TEST PERFORMED ON (DATE) 6-7-84

OIL CO.: Linmar

WELL NAME & NUMBER Helen Larsen 2-S-A1

SECTION 4

TOWNSHIP 1S

RANGE 1W

COUNTY Duchesne

DRILLING CONTRACTOR Caliber # 45

INVOICES BILLED FROM: **DOUBLE "D" ENTERPRISES, INC.**
213 Pine Street - Box 560
Shoshoni, Wyoming 82649
Phone: (307) 876-2308 or (307) 876-2234

TESTED BY: **DOUBLE "D" ENTERPRISES, INC.**
608 N. Vernal Ave.
Vernal, UT 84078
Phone: (801) 781-0448 or (801) 781-0449

OIL CO. SITE REPRESENTATIVE Dave

RIG TOOL PUSHER Tim McDonald

TESTED OUT OF Vernal

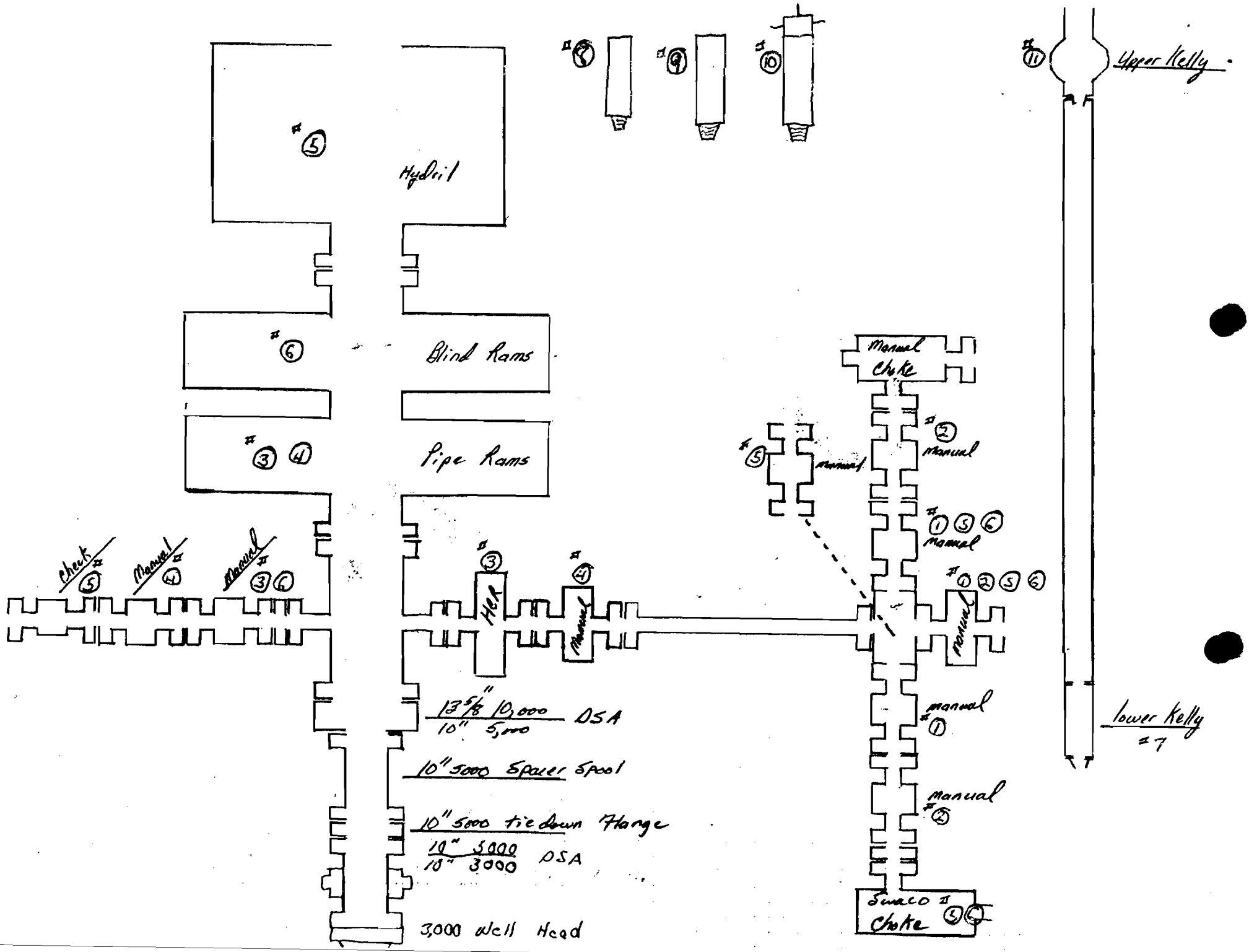
NOTIFIED PRIOR TO TEST:

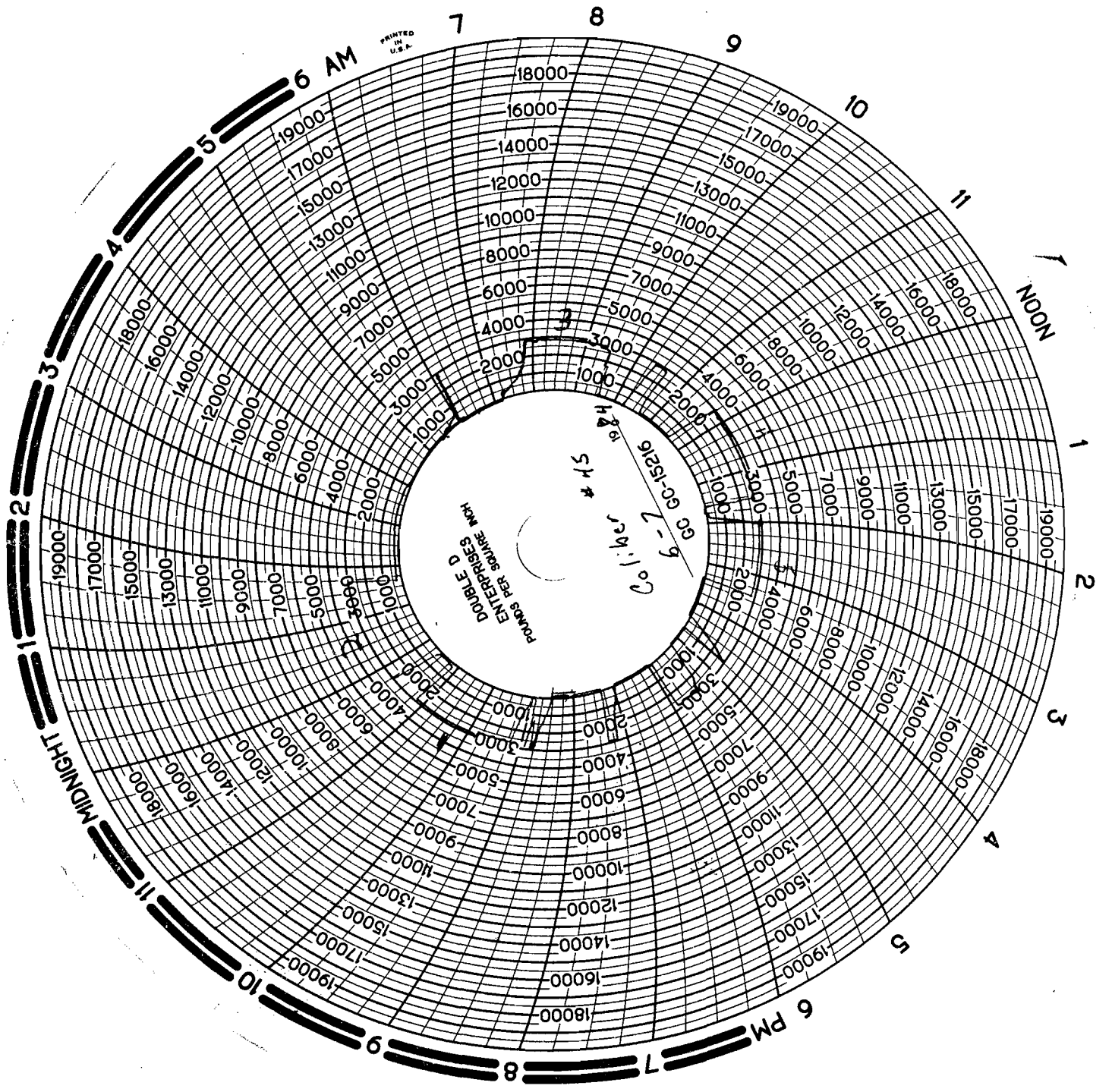
COPIES OF THIS TEST REPORT SENT COPIES TO: BLM
State
Company Man
Pusher

ORIGINAL CHART & TEST REPORT ON FILE AT: Vernal OFFICE

Company	Lease and Well Name	Date of Test	Rig #
Kumar	Helen Larsen 2-5-A1	6-7-84	Caliber

Test #	Time	
	12:05 - 2:00	Rig Up & Wait on Drill Pipe
#1	2:13 - 2:31	Test Inside Manual on Super Choke side, Manual on 4" Flare Line, Inside Manual on Manual Choke side
#2	2:37 - 2:52	Test outside Manual on Super Choke side, Manual on 4" Flare Line, Outside Manual on Manual Choke Side
	2:52 - 5:0	Rig Up Tongs & Wait for Drill Pipe, Flange Leaked
#3	5:20 - 5:35	Test Pipe Rams, HCR, Inside Manual on Kill Line
	5:35 -	Flange Leaked
#4	6:04 - 6:19	Test Pipe Rams, Outside Manual on Choke Line, Second Manual on Choke Line
#5	6:22 - 6:37	Test Hydril Check Valve & Super Choke, Vertical Riser, 4" Manual Valve, Inside Manual on Manual Choke side
	6:37 - 7:55	Take Check Valve out, Beat up Row Between Double & Mud CROSS
#6	7:55 - 8:12	Test Blind Rams, Super Choke, ~~[illegible]~~ 4" Manual Valve, Inside Manual on Manual Choke side
#7	9:45 - 10:00	Test Lower Kelly Cock
#8	10:02 - 10:17	Test #1 TIW Valve
#9	10:20 - 10:35	Test #2 TIW Valve
#10	10:40 - 10:55	Test Dart Valve
#11	5:12 - 5:27	Test Upper Kelly Cock


Hydril
Blind Rams
Pipe Rams
check
Manual
Manual
HCR
Manual
13 5/8" 10,000
10" 5,000
DSA
10" 5000 Spacer Spool
10" 5000 tie down Flange
10" 3000
10" 3000
DSA
3,000 Well Head
Manual Choke
Manual
Manual
Manual
Manual
Manual
Manual
Swaco Choke
Upper Kelly
lower Kelly
#7



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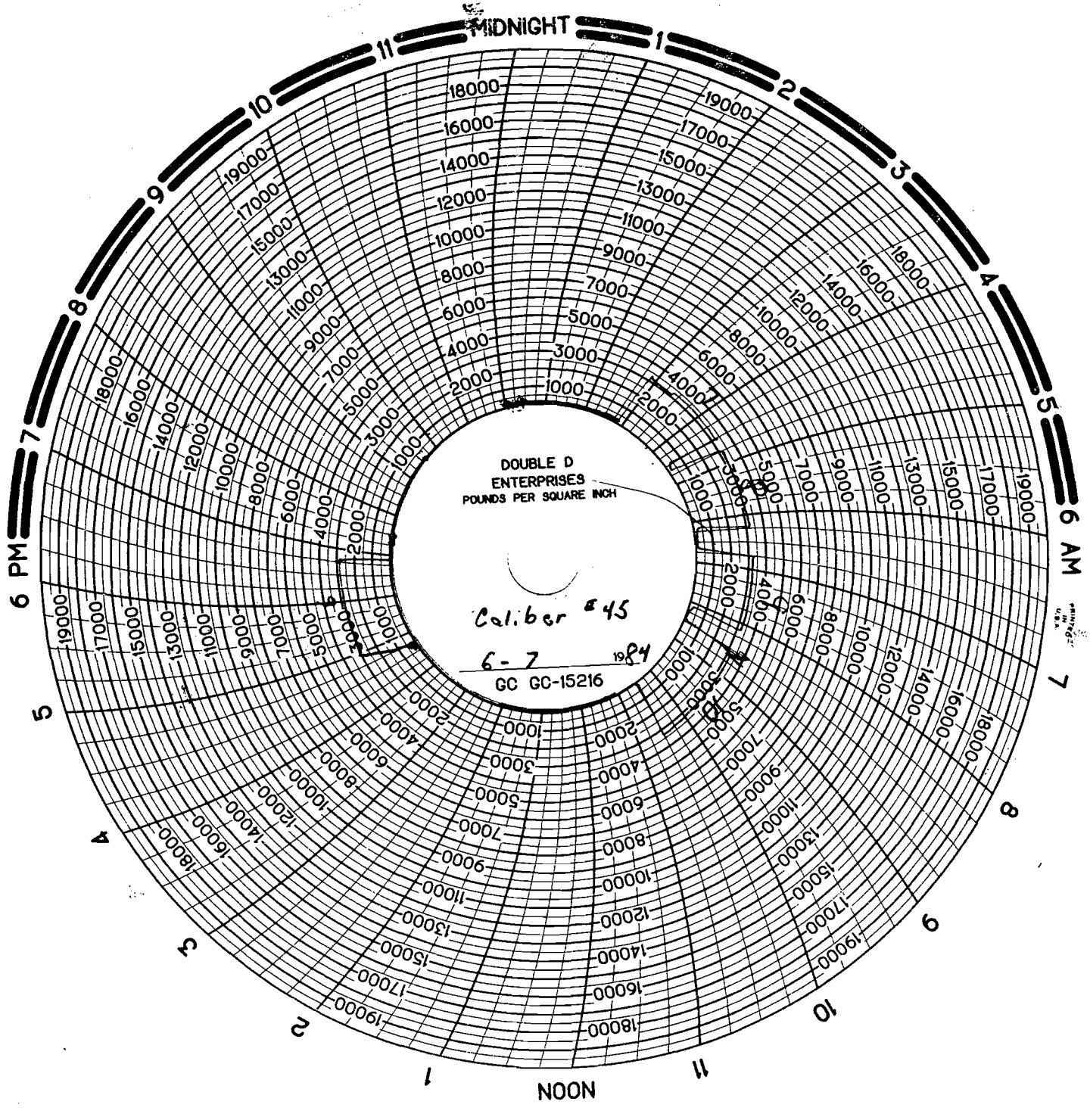
ENTERPRISES
POUNDS PER SQUARE INCH
GC GC-15216
Coliber #45
6-7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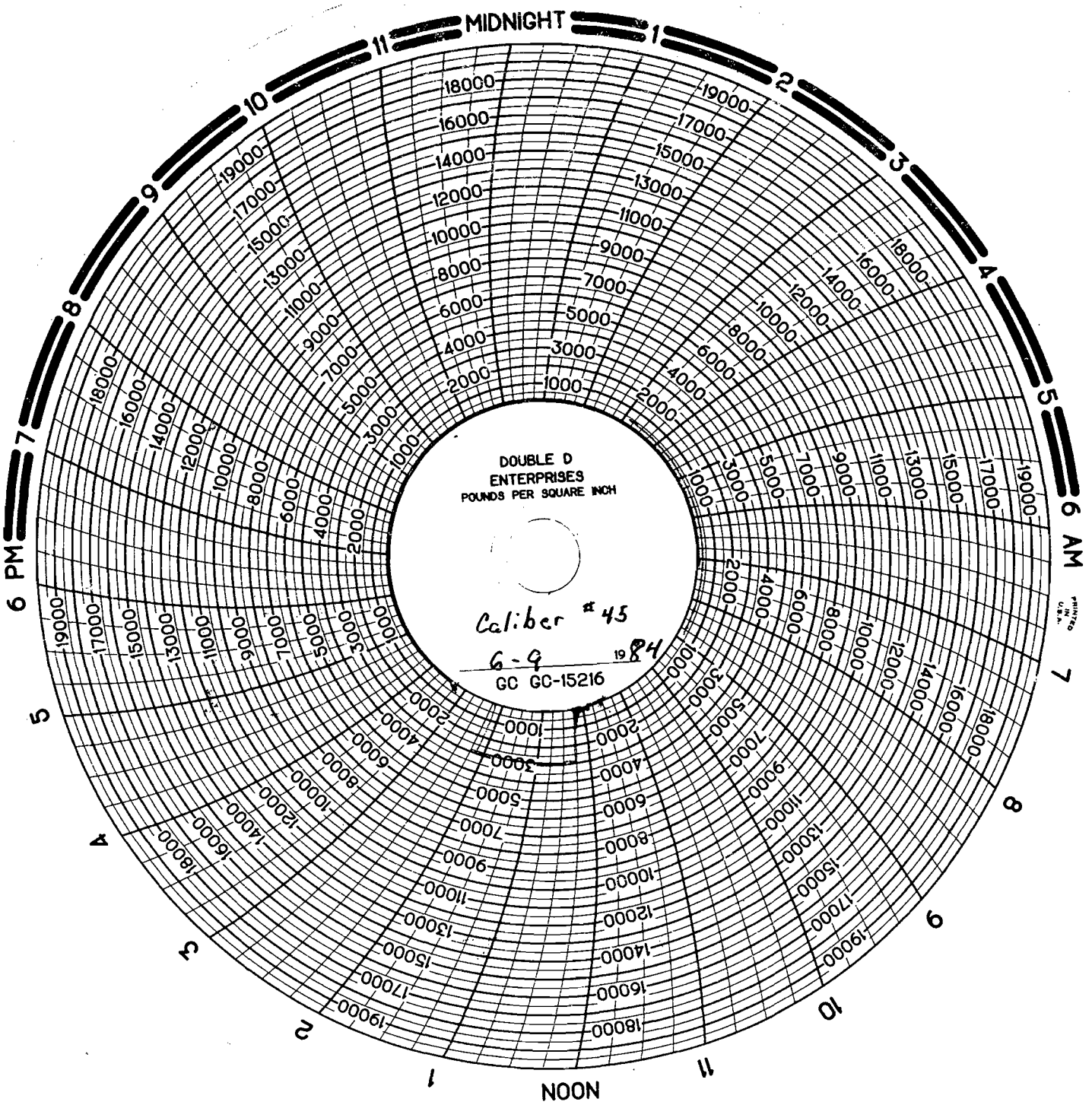
6-7 1984
GC GC-15216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POUNDS PER SQUARE INCH
Caliber #45
6-9 1984
GC GC-15216

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
AUG 6 1984
DIVISION OF OIL GAS & MINING

1. OIL WELL [ ] GAS WELL [X] OTHER	5. LEASE DESIGNATION AND SERIAL NO.: FEE
	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT AGREEMENT NAME:
2. NAME OF OPERATOR: LINMAR ENERGY CORPORATION	8. FARM OR LEASE NAME: HELEN LARSEN
3. ADDRESS OF OPERATOR: 7979 E. TUFTS AVENUE PKWY., STE. #604, DENVER, CO 80237	9. WELL NO.: 2-5A1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 1780' FNL 1980' FWL (SENW)	10. FIELD AND POOL, OR WILDCAT: BLUEBELL
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W,USM
14. PERMIT NO.: 43-013-30920	15. ELEVATIONS (Show whether DF, RT, GR, etc.):
	12. COUNTY OR PARISH: DUCHESNE — 13. STATE: UTAH

18. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other) Change of Operator.			[X]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.) *

Effective May, 1984, Linmar Energy Corporation took over operations of the Helen Larsen 2-5A1 from Bow Valley Petroleum Inc.

18. I hereby certify that the foregoing is true and correct

SIGNED JOHN W. CLARK TITLE VICE PRESIDENT DATE 7/31/84

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

LINMAR ENERGY CORPORATION

Suite 604, 7979 East Tufts Avenue Parkway, Denver, CO 80237 (303) 773-8003

RECEIVED

AUG 6 1984

DIVISION OF OIL
GAS & MINING

August 1, 1984

State of Utah
Division of Oil, Gas, and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Attention: Claudia Jones

RE: Helen Larsen 2-5A1
Sec. 5, T1S, R1W
Duchesne County, Utah

Dear Ms. Jones:

Enclosed is a notice of change of operator for the above referenced well as requested in your recent telephone conversation with Tricia DiGrappa.

If you have any questions, please do not hesitate to contact us.

Yours very truly,

LINMAR ENERGY CORPORATION

Cindy Corcoran

Cindy Corcoran
Secretary

cgc
Encl.

Eastman Whipstock
A PETROLANE COMPANY

REPORT of SUB-SURFACE DIRECTIONAL SURVEY

Redetrack of Helen Larsen #1-5A1

RECEIVED
NOV - 2 1984
DIV. OF OIL, GAS & MINING

LINMAR ENERGY CORPORATION
COMPANY

HELEN LARSEN ~~1~~ 2-5A-1
WELL NAME

DUCHESNE COUNTY, UTAH
LOCATION

JOB NUMBER	TYPE OF SURVEY	DATE
RM784 M1815	COMPLETION REPORT	9-OCT-84

SURVEY BY

OFFICE
RM 410

FORM D-101 R2

LINMAR ENERGY CORPORATION COMPLETION REPORT
WELL NAME: HELEN LARSEN 2-5A-1
LOCATION: DUCHESNE COUNTY, UTAH
FILE NO.: A4-42
RUN DATE: 09-JUN-84
JOB NO.: RM684 A1747 / D1761 / RM784 M1815
TYPE: SEEKER GYRO / SINGLE SHOT
SURVEYOR: IRVIN MCFALL / JOHN SEARS D.D.S. /
DECLINATION: 14 EAST LATITUDE: 40.4
COMPUTER OPERATOR: ANN HEBERLEIN
RIG NO.: CALIBER #45

VERTICAL SECTION CALCULATED IN PLANE: S 15 04 59 E

OLD HELEN LARSEN 1-5A-1

VERTICAL SECTION CALCULATED IN PLANE OF PROPOSAL
DIRECTION: S 15 DEG. 4 MIN. E

RECORD OF SURVEY

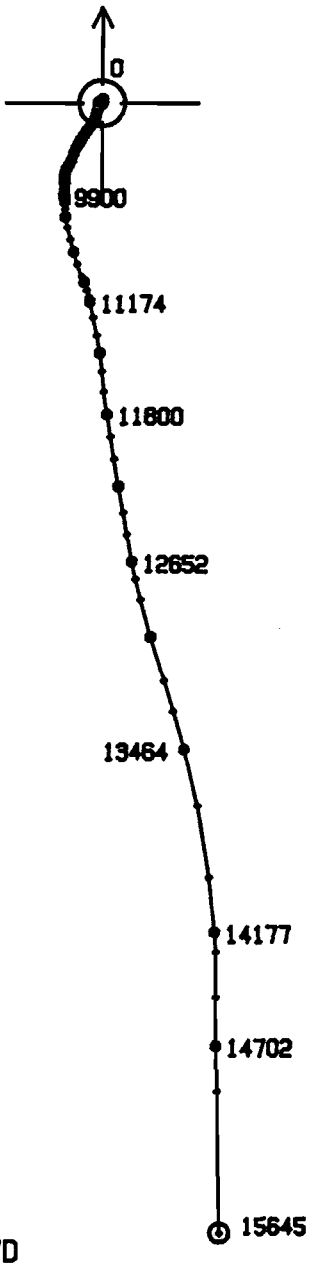
RADIUS OF CURVATURE METHOD

LINMAR ENERGY CORPORATION
WELL NAME: HELEN LARSEN 1-5A-1
LOCATION: DUCHESNE COUNTY, UTAH

EASTMAN WHIPSTOCK, INC.

HORIZONTAL PROJECTION

SCALE 1 IN. = 200 FEET
DEPTH INDICATOR: MD



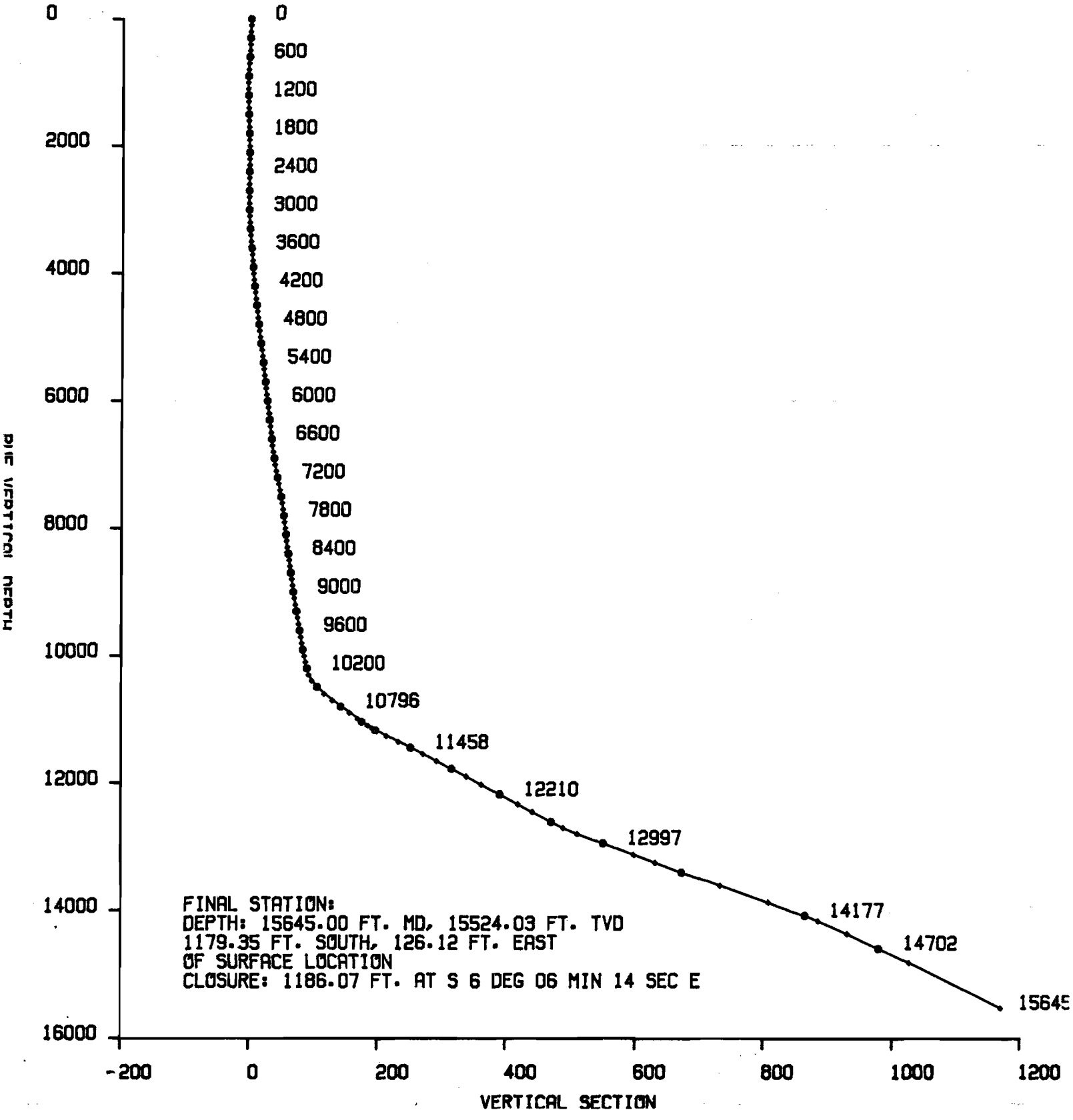
FINAL STATION:
DEPTH 15645 MD. 15524.02 TVD
SOUTH 1179.34 EAST 126.11
CLOSURE 1186.07 S 6 6 14 E

LINMAR ENERGY CORPORATION
WELL NAME: HELEN LARSEN 1-5A-1
LOCATION: DUCHESNE COUNTY, UTAH

EASTMAN WHIPSTOCK, INC.

VERTICAL PROJECTION
HORIZONTAL SCALE 1 IN. = 200 FEET
VERTICAL SCALE 1 IN. = 2000 FEET

PLANE OF PROJECTION:
S 15 DEG 04 MIN 59 SEC E



LINMAR ENERGY CORPORATION
WELL NAME: HELEN LARSEN 1-5A-1
LOCATION: DUCHESNE COUNTY, UTAH

COMPLETION REPORT

COMPUTATION
TIME 10:14:38 DATE 09-OCT-84

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET		DOGLEG SEVERITY DG/100FT
0.00	0 0	0 0	0.0	0.00	0.00	0.00	0.00	0.00
100.00	0 20	N 9 4 E	100.0	100.00	-0.28	0.30 N	0.05 E	0.35
200.00	0 19	N 19 5 E	100.0	200.00	-0.79	0.87 N	0.19 E	0.06
300.00	0 28	N 23 17 E	100.0	300.00	-1.35	1.52 N	0.44 E	0.15
400.00	0 24	N 35 25 E	100.0	399.99	-1.90	2.19 N	0.82 E	0.12
500.00	0 22	N 36 20 E	100.0	499.99	-2.32	2.73 N	1.21 E	0.02
600.00	0 22	N 20 59 W	100.0	599.99	-2.90	3.35 N	1.29 E	0.36
700.00	0 24	N 13 23 W	100.0	699.99	-3.58	4.00 N	1.09 E	0.06
800.00	0 17	N 16 10 W	100.0	799.98	-4.18	4.58 N	0.94 E	0.12
900.00	0 11	N 34 28 W	100.0	899.98	-4.59	4.96 N	0.76 E	0.12
1000.00	0 12	S 87 40 W	100.0	999.98	-4.81	5.10 N	0.47 E	0.19
1100.00	0 28	S 51 30 W	100.0	1099.98	-4.75	4.90 N	0.09 W	0.34
1200.00	0 12	S 28 26 W	100.0	1199.98	-4.41	4.43 N	0.47 W	0.30
1300.00	0 17	S 15 18 W	100.0	1299.98	-4.06	4.03 N	0.64 W	0.09
1400.00	0 9	S 44 32 W	100.0	1399.98	-3.78	3.69 N	0.83 W	0.16
1500.00	0 13	S 36 2 E	100.0	1499.98	-3.48	3.37 N	0.85 W	0.26
1600.00	0 2	S 51 16 E	100.0	1599.98	-3.26	3.19 N	0.69 W	0.19
1700.00	0 12	S 21 37 W	100.0	1699.98	-3.06	3.00 N	0.63 W	0.19
1800.00	0 13	S 8 30 W	100.0	1799.97	-2.74	2.64 N	0.73 W	0.06
1900.00	0 7	S 7 12 E	100.0	1899.97	-2.44	2.33 N	0.73 W	0.11
2000.00	0 5	N 66 35 W	100.0	1999.97	-2.38	2.23 N	0.86 W	0.19
2100.00	0 16	N 78 51 W	100.0	2099.97	-2.55	2.33 N	1.18 W	0.19
2200.00	0 12	S 35 43 W	100.0	2199.97	-2.51	2.18 N	1.55 W	0.27
2300.00	0 11	N 60 14 W	100.0	2299.97	-2.52	2.11 N	1.85 W	0.27
2400.00	0 2	N 25 53 W	100.0	2399.97	-2.69	2.26 N	1.99 W	0.17
2500.00	0 15	S 49 27 W	100.0	2499.97	-2.79	2.30 N	2.20 W	0.27
2600.00	0 7	N 51 45 W	100.0	2599.97	-2.87	2.29 N	2.51 W	0.26
2700.00	0 14	S 7 50 W	100.0	2699.97	-2.84	2.19 N	2.76 W	0.33
2800.00	0 6	S 78 52 W	100.0	2799.97	-2.68	1.98 N	2.96 W	0.24
2900.00	0 8	S 14 43 W	100.0	2899.97	-2.58	1.84 N	3.11 W	0.14

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET		DOGLEG SEVERITY DG/100FT
3000.00	0 13	S 8 55 E	100.0	2999.97	-2.29	1.53 N	3.13 W	0.10
3100.00	0 21	S 4 55 W	100.0	3099.97	-1.80	1.03 N	3.11 W	0.16
3200.00	0 22	S 26 7 W	100.0	3199.97	-1.24	0.39 N	3.29 W	0.14
3300.00	0 22	S 6 4 E	100.0	3299.96	-0.66	0.23 S	3.40 W	0.21
3400.00	0 22	S 23 6 W	100.0	3399.96	-0.07	0.86 S	3.49 W	0.19
3500.00	0 31	S 21 41 W	100.0	3499.96	0.55	1.59 S	3.79 W	0.15
3600.00	0 27	S 5 37 W	100.0	3599.96	1.29	2.40 S	3.99 W	0.15
3700.00	0 27	S 31 10 W	100.0	3699.95	1.94	3.15 S	4.23 W	0.20
3800.00	0 38	S 17 36 W	100.0	3799.95	2.67	4.01 S	4.62 W	0.22
3900.00	0 24	S 11 23 W	100.0	3899.94	3.47	4.90 S	4.85 W	0.23
4000.00	0 34	S 11 12 W	100.0	3999.94	4.24	5.74 S	5.02 W	0.16
4100.00	0 35	S 14 3 W	100.0	4099.93	5.13	6.72 S	5.24 W	0.03
4200.00	0 44	S 12 26 W	100.0	4199.93	6.15	7.85 S	5.51 W	0.15
4300.00	0 50	S 19 21 W	100.0	4299.92	7.33	9.17 S	5.89 W	0.14
4400.00	0 39	S 9 28 W	100.0	4399.91	8.46	10.44 S	6.21 W	0.22
4500.00	0 47	S 1 50 W	100.0	4499.90	9.65	11.70 S	6.34 W	0.17
4600.00	0 44	S 16 46 W	100.0	4599.89	10.88	13.03 S	6.55 W	0.21
4700.00	0 56	S 15 14 W	100.0	4699.88	12.13	14.44 S	6.96 W	0.19
4800.00	0 39	S 17 50 W	100.0	4799.87	13.31	15.77 S	7.35 W	0.28
4900.00	0 57	S 26 41 W	100.0	4899.86	14.43	17.07 S	7.88 W	0.33
5000.00	1 0	S 26 11 W	100.0	4999.85	15.71	18.60 S	8.65 W	0.04
5100.00	0 56	S 24 26 W	100.0	5099.83	17.01	20.13 S	9.37 W	0.07
5200.00	0 49	S 43 0 W	100.0	5199.82	18.01	21.40 S	10.22 W	0.31
5300.00	0 49	S 37 39 W	100.0	5299.81	18.83	22.50 S	11.15 W	0.08
5400.00	0 58	S 45 17 W	100.0	5399.80	19.69	23.68 S	12.19 W	0.18
5500.00	1 15	S 37 35 W	100.0	5499.78	20.76	25.13 S	13.47 W	0.32
5600.00	1 0	S 37 51 W	100.0	5599.76	21.95	26.69 S	14.68 W	0.24
5700.00	1 17	S 40 37 W	100.0	5699.74	23.12	28.24 S	15.95 W	0.29
5800.00	0 55	S 41 32 W	100.0	5799.72	24.21	29.70 S	17.22 W	0.36
5900.00	1 13	S 34 31 W	100.0	5899.70	25.34	31.19 S	18.39 W	0.33

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET		DOGLEG SEVERITY DG/100FT
6000.00	0 58	S 6 57 W	100.0	5999.68	26.88	32.97 S	19.06 W	0.58
6100.00	0 57	S 38 11 W	100.0	6099.67	28.20	34.51 S	19.70 W	0.52
6200.00	1 9	S 44 3 W	100.0	6199.65	29.23	35.90 S	20.91 W	0.22
6300.00	0 42	S 36 38 W	100.0	6299.64	30.15	37.14 S	21.97 W	0.45
6400.00	1 7	S 3 54 W	100.0	6399.63	31.44	38.62 S	22.52 W	0.66
6500.00	0 57	S 43 26 W	100.0	6499.61	32.83	40.26 S	23.23 W	0.72
6600.00	0 56	S 40 50 W	100.0	6599.60	33.73	41.48 S	24.34 W	0.04
6700.00	1 11	S 36 49 W	100.0	6699.58	34.83	42.94 S	25.51 W	0.25
6800.00	0 58	S 30 31 W	100.0	6799.56	36.07	44.51 S	26.56 W	0.24
6900.00	1 8	S 35 46 W	100.0	6899.54	37.31	46.06 S	27.57 W	0.19
7000.00	1 21	S 24 1 W	100.0	6999.52	38.85	47.95 S	28.66 W	0.33
7100.00	1 0	S 17 17 W	100.0	7099.50	40.53	49.88 S	29.39 W	0.36
7200.00	1 25	S 20 17 W	100.0	7199.47	42.29	51.89 S	30.07 W	0.41
7300.00	1 10	S 17 39 W	100.0	7299.45	44.17	54.04 S	30.81 W	0.26
7400.00	1 30	S 16 52 W	100.0	7399.42	46.15	56.27 S	31.50 W	0.34
7500.00	1 14	S 17 37 W	100.0	7499.39	48.17	58.56 S	32.21 W	0.27
7600.00	1 15	S 27 28 W	100.0	7599.37	49.88	60.55 S	33.04 W	0.22
7700.00	1 8	S 28 39 W	100.0	7699.35	51.41	62.40 S	34.03 W	0.13
7800.00	1 6	S 37 38 W	100.0	7799.33	52.70	64.02 S	35.09 W	0.18
7900.00	0 51	S 25 22 W	100.0	7899.31	53.87	65.48 S	35.98 W	0.32
8000.00	1 7	S 29 45 W	100.0	7999.30	55.15	67.02 S	36.78 W	0.28
8100.00	0 45	S 28 17 W	100.0	8099.28	56.34	68.46 S	37.58 W	0.37
8200.00	0 41	S 16 29 W	100.0	8199.28	57.34	69.63 S	38.07 W	0.17
8300.00	0 50	S 31 2 W	100.0	8299.27	58.39	70.86 S	38.61 W	0.25
8400.00	0 55	S 6 20 W	100.0	8399.26	59.67	72.32 S	39.10 W	0.39
8500.00	0 45	S 13 25 W	100.0	8499.25	61.00	73.77 S	39.35 W	0.20
8600.00	0 44	S 3 20 W	100.0	8599.24	62.20	75.06 S	39.54 W	0.13
8700.00	0 53	S 3 14 E	100.0	8699.23	63.58	76.49 S	39.55 W	0.18
8800.00	0 54	S 4 23 W	100.0	8799.21	65.11	78.07 S	39.56 W	0.12
8900.00	0 46	S 0 11 E	100.0	8899.20	66.51	79.54 S	39.62 W	0.15

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET		DOGLEG SEVERITY DG/100FT
9000.00	0 43	S 9 3 E	100.0	8999.19	67.80	80.85 S	39.51 W	0.13
9100.00	0 46	S 1 18 W	100.0	9099.19	69.07	82.14 S	39.42 W	0.14
9200.00	0 52	S 16 45 E	100.0	9199.17	70.49	83.56 S	39.23 W	0.28
9300.00	1 6	S 0 14 W	100.0	9299.16	72.21	85.27 S	38.98 W	0.37
9400.00	1 2	S 5 23 W	100.0	9399.14	73.99	87.14 S	39.07 W	0.12
9500.00	1 9	S 1 53 W	100.0	9499.12	75.80	89.05 S	39.20 W	0.14
9600.00	1 5	S 7 17 W	100.0	9599.10	77.65	91.01 S	39.35 W	0.13
9700.00	0 59	S 11 15 W	100.0	9699.09	79.31	92.80 S	39.65 W	0.11
9800.00	1 0	S 6 34 W	100.0	9799.07	80.92	94.54 S	39.92 W	0.08
9900.00	0 58	S 6 53 E	100.0	9899.06	82.58	96.27 S	39.91 W	0.24
10000.00	1 6	S 6 14 E	100.0	9999.04	84.38	98.08 S	39.71 W	0.14
10100.00	1 13	S 7 39 E	100.0	10099.02	86.41	100.10 S	39.46 W	0.12
10200.00	1 27	S 9 54 E	100.0	10198.99	88.74	102.42 S	39.10 W	0.23
10300.00	1 45	S 4 26 E	100.0	10298.95	91.52	105.21 S	38.75 W	0.34

END EXISTING SEEKER GYRO SURVEY, BEGIN SIDETRACK SINGLE SHOT SURVEYS

10377 K.O.P. FOR SIDETRACK

10393.00	4 30	S 2 0 W	93.0	10391.80	96.45	110.29 S	38.64 W	2.96
10488.00	5 30	S 10 0 E	95.0	10486.44	104.56	118.53 S	38.06 W	1.52
10597.00	6 30	S 12 0 E	109.0	10594.84	115.93	129.71 S	35.89 W	0.94
10701.00	8 0	S 15 0 E	104.0	10698.01	129.04	142.47 S	32.83 W	1.49
10796.00	8 0	S 17 0 E	95.0	10792.08	142.26	155.18 S	29.18 W	0.29
10892.00	8 30	S 17 0 E	96.0	10887.09	156.03	168.36 S	25.16 W	0.52
10986.00	7 30	S 21 0 E	94.0	10980.17	169.08	180.72 S	20.90 W	1.22
11033.00	7 45	S 23 0 E	47.0	11026.76	175.27	186.50 S	18.56 W	0.78
11098.00	8 45	S 16 0 E	65.0	11091.08	184.56	195.29 S	15.45 W	2.18
11142.00	9 0	S 14 0 E	44.0	11134.56	191.35	201.85 S	13.69 W	0.90
11174.00	10 0	S 12 0 E	32.0	11166.12	196.63	206.99 S	12.51 W	3.29

MEASURED DEPTH FEET	DRIFT ANGLE D M	DRIFT DIRECTION D M	COURSE LENGTH FEET	TRUE VERTICAL DEPTH FEET	VERTICAL SECTION FEET	RECTANGULAR COORDINATES FEET	DOGLEG SEVERITY DG/100FT
11268.00	11 0	S 12 0 E	94.0	11258.54	213.73	223.75 S 8.94 W	1.06
11363.00	11 45	S 12 0 E	95.0	11351.68	232.44	242.08 S 5.05 W	0.79
11458.00	11 15	S 8 0 E	95.0	11444.77	251.30	260.73 S 1.76 W	0.99
11560.00	10 45	S 6 0 E	102.0	11544.90	270.57	280.04 S 0.61 E	0.62
11673.00	10 45	S 6 0 E	113.0	11655.91	291.39	301.00 S 2.81 E	0.00
11800.00	11 0	S 8 0 E	127.0	11780.63	315.10	324.78 S 5.73 E	0.36
11925.00	10 45	S 11 0 E	125.0	11903.39	338.57	348.03 S 9.63 E	0.49
12051.00	10 45	S 8 0 E	126.0	12027.17	361.96	371.21 S 13.50 E	0.44
12210.00	10 15	S 11 0 E	159.0	12183.51	390.80	399.79 S 18.29 E	0.47
12368.00	10 30	S 11 0 E	158.0	12338.93	419.18	427.72 S 23.72 E	0.16
12494.00	10 30	S 8 0 E	126.0	12462.82	442.03	450.36 S 27.50 E	0.43
12652.00	10 30	S 11 0 E	158.0	12618.17	470.68	478.76 S 32.26 E	0.35
12747.00	12 15	S 14 0 E	95.0	12711.30	489.40	497.05 S 36.31 E	1.94
12841.00	14 45	S 15 0 E	94.0	12802.70	511.34	518.29 S 41.80 E	2.67
12997.00	15 0	S 16 0 E	156.0	12953.47	551.39	556.88 S 52.51 E	0.23
13180.00	15 15	S 18 0 E	183.0	13130.13	599.11	602.54 S 66.47 E	0.32
13307.00	15 15	S 16 0 E	127.0	13252.66	632.49	634.49 S 76.23 E	0.41
13464.00	15 30	S 16 0 E	157.0	13404.04	674.11	674.50 S 87.71 E	0.16
13684.00	16 15	S 11 0 E	220.0	13615.65	734.25	733.00 S 101.75 E	0.71
13956.00	16 15	S 8 0 E	272.0	13876.78	810.00	808.06 S 114.31 E	0.31
14177.00	14 0	S 4 0 E	221.0	14090.11	866.93	865.39 S 120.34 E	1.12
14263.00	14 15	S 2 0 E	86.0	14173.51	887.45	886.35 S 121.44 E	0.64
14464.00	12 30	S 1 0 W	201.0	14369.05	932.44	932.84 S 121.84 E	0.94
14702.00	12 0	S 2 0 E	238.0	14601.63	981.31	983.33 S 122.28 E	0.34
14930.00	12 0	S 1 0 E	228.0	14824.65	1027.39	1030.71 S 123.52 E	0.09
T.D. OF HOLE							
15645.00	12 0	S 1 0 E	715.0	15524.03	1171.59	1179.35 S 126.12 E	0.00

FINAL CLOSURE - DIRECTION: S 6 DEGS 6 MINS 14 SECS E
DISTANCE: 1186.07 FEET

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

1. OIL WELL [ ] GAS WELL [X] OTHER

7. UNIT AGREEMENT NAME: NA

2. NAME OF OPERATOR: Linmar Energy Corp

8. FARM OR LEASE NAME: Larsen

3. ADDRESS OF OPERATOR: PO Box 1327, Roosevelt, Utah 84066

9. WELL NO.: #2-5A1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1780' FNL, 1980' FWL (SENW)

10. FIELD AND POOL, OR WILDCAT: Wasatch

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec 5-T1S-R1W

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960 GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	FULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other) BHP Survey			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Attached please find a BHP survey as Per Cause 140-12 for test wells.

RECEIVED
NOV 21 1984
DIVISION OF
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Division Engineer DATE 11/16/8

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

DELSCO NORTHWEST

Sub-Surface Pressure Test

Field _____ County DUCHESNE State UTAH

Company LINMAR

Lease LARSON Well No. 2-5A1

Date 11-12-84 Time _____ Status of Well FLOWING

Pay _____ Perforations _____ Datum 15000'

Depth Feet	Pressure lbs. sq. in.	Time Interval From Test Start At (in hours)	Gradient lbs./ft.	
0	134		0	Casing Press
1000	289		.155	Tubing Press 250 PSI
2000	368		.079	Oil Level
3000	423		.055	Water Level
4000	649		.226	Hours – Shut In Flowing
5000	782		.133	Temp. 238° At 15000'
6000	916		.134	Elevation – D.F. Ground
7000	1071		.155	Pressure This Test 2914 PSI
8000	1167		.096	Last Test Date
9000	1301		.134	Press Last Test
10000	1485		.184	B.H.P. Change
11000	1669		.184	Loss/Day
12000	1897		.228	Choke Size 24/64
13000	2198		.301	Oil Bbls./day
14000	2520		.322	Water Bbls./day
15000	2914		.394	Total Bbls./day
				Orifice and Line
				Static and Differential
				Gas Sp. Gr.
				Cu. ft./day
				GOR

Instrument	Number	Calibration Date
AMERADA	0-8000 PSI	12-12-83

Calculations and Remarks

Operator on Job LARRY CASH

Test Calculated By GEORGE LANDRY

Witnesses: Company _____

State UTAH

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

March 27, 1985

Linmar Energy Corporation
PO Box 1327
Roosevelt, Utah 84066

Gentlemen:

Re: Well No. Larsen 2-5A1 - Sec. 5, T. 1S., R. 1W., Duchesne County, Utah - API #43-013-30920

Our records indicate that you have not filed drilling reports for the months of inception to completion on the above listed well. Our rules and regulations stipulate that these reports be filed by the sixteenth of each month until the well is completed.

Also please be advised that if this well has been completed, the "Well Completion or Recompletion Report and Log" for the above listed well is due and has not been filed with this office as required by our rules and regulations.

Enclosed are forms for your convenience in filing the necessary reports as soon as possible but no later than April 12, 1985.

Sincerely,

Pam Kenna

Pam Kenna
Well Records Specialist

Enclosures
cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0161S/11

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [XX] GAS WELL [ ] OTHER (Redrill)

2. NAME OF OPERATOR: Linmar Energy Corporation

3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave., Pkwy., Ste. 604, Denver, CO 80237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1780' FNL, 1980' FWL

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: Helen Larsen

9. WELL NO.: 2-5A1

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960' GL

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Operations			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

6-7-84 – Begin sidetrack. Drill to 11,797'.
6-30-84

(SEE ATTACHMENT FOR DETAILS.)

18. I hereby certify that the foregoing is true and correct

SIGNED John W. Clark TITLE Vice President DATE 5/14/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

WELL: LINMAR-HELEN LARSEN 1-5A1 (Sidetrack)
LOCATION: SEC. 5, T1S, R1W, DUCHESNE COUNTY, UTAH
OPERATOR: LINMAR ENERGY CORPORATION
CONTRACTOR: CALIBER, RIG #45
OBJECTIVE ZONE: WASATCH FORMATION
ESTIMATED TD: 16,000'

6-7-84

Day 1; Nipple up BOP. Pressure test BOP to 3000 psi.
DC: $7,606 CUM: $7,606

6-8-84

Day 2; Pressure test BOP's to 3000 psi. Pick up kelly and bushings. Rig up lay down maching. Pick up drill collars and drill pipe.
DC: $9,646 CUM: $17,252

6-9-84

Day 3; Pick up drill pipe. Tag bottom @ 10,635'KB. Rig down lay down machine. Rig up rotating head. Circulate and displace oil out of hole. Trip out of hole. Rig up wireline, run casing packer on wireline to 385', would not go down. Pull packer out of hole, lay down casing packer. Trip in hole to 6,000' with drill collars and drill pipe. Circulate and mud up.
DC: $12,546 CUM: $29,798

6-10-84

Day 4; Displace hole with mud. Pressure test casing to 2850 psi, ok. Circulate and trip out of hole. Run packer on wireline and set @ 10,367'. Run Gyro survey to orient casing whipstock. Rig down wireline. Pick up casing whipstock and trip in hole. Set whipstock.
DC: $20,007 CUM: $49,805

6-11-84 10,356'

Day 5; MW 8.7, Vis 31, WL 21.6, Cake 2, PH 10. Remarks: Wireline depth @ 10,367'. Casing whipstock set @ ~~10,337~~'. Mill window, circulate. Trip out of hole, change bottom hole assembly. Trip in hole, mill window. Trip out of hole.
DC: $17,185 CUM: $66,990

6-12-84 10,500'

Day 6; Drilling, made 144' in 14½ hrs. MW 8.5, Vis 35, WL 34.4, Cake 2, PH 10.5. Remarks: Change bottom hole assembly. Trip in hole with drill collars. Cut drilling line, trip in hole. Wash to bottom. Drilling. Surveys: 1-3/4 degrees @ 10,300'; 4½ degrees @ 10,393'. BGG: 30 units; CG: 55 units; TRIP GAS: 95 units.
DC: $27,781 CUM: $94,788
DMC: $ 512 CMC: $ 512

6-13-84 10,689'

Day 7; Drilling, made 189' in 22½ hrs. MW 8.6, Vis 33, WL 22, Cake 2, PH 10.5. Remarks: Drilling. Surveys: 5½ degrees @ 10,488'; 6½ degrees @ 10,597'. No shows. BGG: 25 units; CG: 40 units.
DC: $10,524 CUM: $105,312
DMC: $ 784 CMC: $ 1,296

6-14-84 10,704'

Day 8; Drilling, made 15' in 2 hrs. MW 8.7, Vis 41, WL 10.8, Cake 2, PH 10.8. Remarks: Drilling. Circulate. Pull out of hole, change bottom hole assembly. Trip in hole. Break circulation and mill on window. Circulate. Pull out of hole, change bottom hole assembly, dress bit. Trip in hole. BGG: 20 units; CG: 40 units; TRIP GAS: 240 units.
DC: $18,457 CUM: $123,769
DMC: $ 2,237 CMC: $ 3,533

6-15-84 10,740'

Day 9; Drilling, made 36' in 11 hrs. MW 8.7, Vis 38, WL 13.2, Cake 2, PH 10.5. Remarks: Break circulation, wash and ream from 10,340' to bottom. Drilling. Circulate, pull out of hole. Dress bit, trip in hole. Break circulation, wash 30' to bottom. Drilling. Survey: 8 degrees @ 10,701'. Drilling. BGG: 30 units; CG: 120 units; TRIP GAS: 375 units.
DC: $13,271 CUM: $137,040
DMC: $ 1,111 CMC: $ 4,644

6-16-84	10,811'	Day 10; Drilling, made 71' in 23½ hrs. MW 8.7, Vis 40, WL 8.8, Cake 2, PH 10.8. Remarks: Drilling. SHOW #1: 10,747-58'; Drilling Rate: Before 16 mins., During 15 mins., After 18 mins. Formation Gas: Before 35 units, During 35 units, After 35 units. Bright yellow fluoresence, good strong cut. BGG: 35 units; CG: 50 units. DC: $15,643 CUM: $152,683 DMC: $ 315 CMC: $ 4,959
6-17-84	10,826'	Day 11; Drilling, made 15' in 4 hrs. MW 8.6, Vis 33, WL 10, Cake 2, PH 11. Remarks: Work stuck pipe, pulled loose. Wash and ream 30' to bottom. Drilling. Survey: 8 degrees @ 10,796'. Circulate, pull out of hole. Change bottom hole assembly. Trip in hole, wash and ream 45'. Jets plugged. Pull out of hole, unplug jets in bit (full of rocks). Trip in hole. No shows. BGG: 35 units; CG: 140 units. DC: $13,254 CUM: $165,937 DMC: $ 769 CMC: $ 5,728
6-18-84	10,943	Day 12; Drilling, made 117' in 18½ hrs. MW 8.6, Vis 48, WL 12, Cake 2, PH 11.5. Remarks: Trip in hole, wash and ream 60' to bottom. Drilling. Repair rotary chain. Drilling. Survey: 8½ degrees @ 10,892'. Drilling. SHOW #2: 10,828-31'; Drilling Rate: Before 10 mins., During 10 mins., After 12 mins. Formation Gas: Before 30 units, During 60 units, After 30 units. Bright yellow fluoresence, excellent cut. SHOW #3: 10,834-41'; Drilling Rate: Before 12 mins., During 10 mins., After 15 mins. Formation Gas: Before 30 units, During 75 units, After 20 units. Trace bright yellow fluoresence, excellent cut. SHOW #4: 10,848-51'; Drilling Rate: Before 15 mins., During 11 mins., After 12 mins. Formation Gas: Before 20 units, During 50 units, After 20 units. Trace bright yellow fluoresence, excellent cut. BGG: 25 units; CG: 160 units; TRIP GAS: 380 units. DC: $9,661 CUM: $175,598 DMC: $ 601 CMC: $ 6,329
6-19-84	11,025'	Day 13; Drilling, made 82' in 10½ hrs. MW 8.7, Vis 40, WL 10.6, Cake 2, PH 10.7. Remarks: Drilling. Survey: 7½ degrees @ 10,896'. Circulate, pull out of hole. Change bottom hole assembly. Trip in hole, rig up steering tools. Run in downhole tools. Wash to bottom. Drilling. No shows. BGG: 20 units; CG: 70 units; TRIP GAS: 600 units. DC: $18,720 CUM: $194,318 DMC: $ 608 CMC: $ 6,937
6-20-84	11,075'	Day 14; Drilling, made 50' in 12¼ hrs. MW 8.7, Vis 44, WL 10.4, Cake 2, PH 10.5. Remarks: Drilling. Bit pressured up. Circulate and pull out of hole. Bit plugged with sawdust. Survey: 7-3/4 degrees @ 11,033'. No shows. BG: 20 units; CG: 180 units. DC: $21,747 CUM: $216,065 DMC: $ 407 CMC: $ 7,344
6-21-84	11,116'	Day 15; Drilling, made 41' in 14-3/4 hrs. MW 8.7, Vis 48, WL 11.2, Cake 2, PH 10.5. Remarks: Clean bit. Trip in hole. Rig up setting tool. Wash and ream 60'. Run downhole tools in hole. Drilling. BGG: 35 units; CG: 280 units; TRIP GAS: 490 units. DC: $17,222 CUM: $233,287 DMC: $ 1,647 CMC: $ 8,991

WELL: LINMAR-HELEN LARSEN 1-5A1 (Sidetrack)
LOCATION: SEC. 5, T1S, R1W, DUCHESNE COUNTY, UTAH
OPERATOR: LINMAR ENERGY CORPORATION
CONTRACTOR: CALIBER, RIG #45
OBJECTIVE ZONE: WASATCH FORMATION
ESTIMATED TD: 16,000'

6-22-84	11,171'	Day 16; Drilling, made 55' in 22½ hrs. MW 8.7, Vis 43, WL 12.6, Cake 2, PH 10.5. Remarks: Drilling. Survey: 8-3/4 degrees @ 11,098'. SHOW #5: 11,145-54'; Drilling Rate: Before 16 mins., During 18 mins., After 22 mins. Formation Gas: Before 20 units, During 60 units, After 40 units. BGG: 25 units; CG: 160 units. DC: $23,156 CUM: $256,443 DMC: $ 1,278 CMC: $ 10,269
6-23-84	11,204'	Day 17; Drilling, made 33' in 8½ hrs. MW 8.7, Vis 42, WL 11.2, Cake 2, PH 10.5. Remarks: Drilling. Pull out of hole, change bottom hole assembly. Trip in hole, rig up kelly hose. Trip in hole, wash and ream from 10,945-11,179'. Drilling. No shows. BGG: 10 units; TRIP GAS: 680 units. DC: $19,988 CUM: $276,431 DMC: $ 406 CMC: $ 10,675
6-24-84	11,364'	Day 18; Drilling, made 160' in 19 hrs. MW 8.7, Vis 42, WL 12.4, Cake 2, PH 10.5. Remarks: Drilling. Surveys: 10 degrees @ 11,174'; 11 degrees @ 11,268'. Drilling. Circulate, pull out of hole. SHOW #6: 11,243-46'; Drilling Rate: Before 4 mins., During 4 mins., After 4 mins. Formation Gas: Before 14 units, During 55 units, After 20 units. BGG: 20 units; CG: 156 units. DC: $15,200 CUM: $291,631 DMC: $ 336 CMC: $ 11,011
6-25-84	11,436'	Day 19; Drilling, made 72' in 16½ hrs. MW 9, Vis 44, WL 11.4, Cake 2, PH 11. Remarks: Pull out of hole, dress bit. Trip in hole, wash and ream 47' to bottom. Drilling. Survey: 11-3/4 degrees @ 11,363'. No shows. BGG: 23 units; CG: 180 units; TRIP GAS: 630 units. DC: $10,522 CUM: $302,153 DMC: $ 762 CMC: $ 11,773
6-26-84	11,507'	Day 20; Drilling, made 71' in 11 hrs. MW 9, Vis 37, WL 11.6, Cake 2, PH 11. Remarks: Drilling. Circulate, pull out of hole. Change bits and NBIBS. Trip in hole, wash bridge @ 11,150'. Ream to 11,190'. Trip in hole, wash and ream from 11,410-11,470'. Drilling. Survey: 11¼ degrees @ 11,458'. No shows. BGG: 18 units; CG: 210 units; TRIP GAS: 700 units. DC: $15,561 CUM: $317,714 DMC: $ 562 CMC: $ 12,335
6-27-84	11,594'	Day 21; Drilling, made 87' in 11 hrs. MW 8.9+, Vis 39, WL 10.8, Cake 2, PH 10.7. Remarks: Drilling. Circulate. Survey: 10-3/4 degrees @ 11,560'. Pull out of hole, change bottom hole assembly. Trip in hole, wash and ream 70' to bottom, 20' fill. Drilling. Work tight hole. Drilling. BGG: 18 units;CG: 210 units; TRIP GAS: 700 unit. DC: $18,747 CUM: $336,461 DMC: $ 687 CMC: $ 13,022
6-28-84	11,623'	Day 22; Drilling, made 29' in 10½ hrs. MW 9.0+, Vis 45, WL 10.4, Cake 2, PH 10.0. Remarks: Drilling. Repair kelly hose union. Change out wash pipe, packing and saver sub. Drilling. Circulate and pump flag. Trip out of hole looking for hole in pipe. Lay down drill collar, washed out. Dress bit, trip in hole. No shows. BGG: 15 units; CG: 290 units; TRIP GAS: 420 units. DC: $12,531 CUM: $348,992 DMC: $ 396 CMC: $ 13,418

6-29-84 11,671' Day 23; Drilling, made 48' in 11½ hrs. MW 9.1+, Vis 43, WL 10, Cake 2, PH 10.5. Remarks: Trip in hole. Wash to bottom. Drilling. Circulate bottoms up. Pull out of hole. Change bottom hole assembly and up new monel. Trip in hole. Wash and Ream 90' to bottom. NO SHOWS. BGG: 20 units; CG: 40 units; TG: 700 units.
DC: $11,732 CUM: $360,724
DMC: $ 182 CMC: $ 13,600

6-30-84 11,797' Day 24; Drilling, made 126' in 23 hrs. MW 9, Vis 41, WL 12.4, Cake 2, PH 11. Remarks: Drilling, survey, drilling with no problems. SHOW #7; 11,681-686'; Drilling Rate: Before 6 mins., During 1 min., After 9 mins. Formation Gas: Before 20 units, During 90 units, After 20 units. Trace of bright yellow fluoresence fair cloudy cut. Survey: 10-3/4° @ 11,673'. BGG: 24 units; CG: 48 units; TG: 660 units.
DC: $17,674 CUM: $378,398
DMC: $ 274 CMC: $ 13,874

7-1-84 11,946' Day 25; Drilling, made 149' in 23 hrs. MW 9, Vis 40, WL 14, Cake 2, PH 11.8. Remarks: Drilling, survey, drilling with no problems. NO SHOWS. Survey: 11° @ 11,800'. BGG: 20 units; CG: 105 units.
DC: $11,747 CUM: $390,145
DMC: $ 2,437 CMC: $ 16,311

7-2-84 12,075' Day 26; Drilling, made 129' in 23 hrs. MW 9, Vis 48, WL 15.6, Cake 2, PH 11.5. Remarks: Drilling, survey, drilling with no problems. NO SHOWS. Survey: 10-3/4° @ 11,925'. BGG: 20 units; CG: 65 units.
DC: $10,524 CUM: $400,669
DMC: $ 399 CMC: $ 16,710

7-3-84 12,108' Day 27; Drilling, made 33' in 7½ hrs. MW 9.2, Vis 41, WL 11.6, Cake 2, PH 11.5. Remarks: Drilling, survey, drilling. Lost 600 psi, pump flag. Pull out of hole. Hole in drill pipe 62 stands out. Layed down 2 joints drill pipe. Work on draw works Motor electric lines. Pull out of hole. Change bit and 2 IBS's. Magnaflux drill collars. Layed down 11 drill collars and picked up 11 drill collars. Cut drilling line. Trip in hole. NO SHOWS. Survey: 10-3/4° @ 12,051'.
DC: $35,819 CUM: $436,488
DMC: $ 624 CMC: $ 17,334

7-4-84 12,230' Day 28; Drilling, made 122' in 16½ hrs. MW 8.9+, Vis 47, WL 11.6, Cake 2, PH 11.8. Remarks: Trip in hole. String draw works cable. Rig service. Trip in hole. Wash and Ream 110' to bottom. Drilling. NO SHOWS.
DC: $10,967 CUM: $447,455
DMC: $ 792 CMC: $ 18,126

7-5-84 12,400' Day 29; Drilling, made 170' in 22 hrs. MW 9.1+, Vis 38, WL 10.2, Cake 2, PH 11.5. Remarks: Drilling. Survey, drilling, Wait on welder to weld stand pipe. Weld stand pipe. Rig service. Drilling. NO SHOWS. Survey: 10¼° @ 12,210'. BGG: 20 units; CG: 50 units.
DC: $18,859 CUM: $466,314
DMC: $ 8,549 CMC: $ 26,675

7-6-84 12,534' Day 30; Drilling, made 134' in 22 hrs. MW 9.1, Vis 42, WL 10, Cake 2, PH 10.5. Remarks: Drilling. Survey. Drilling, rig service, Drilling with no problems. SHOW #8; 12,430-435'; Drilling Rate: N/A. Formation GAs: Before 16 units, During 410 units, After 100 units. SHOW #9; 12,437-440'; Drilling Rate: N/A. Formation Gas: Before 100 units, During 600 units, After 150 units. Trace of dark green black oil. BGG: 140 units; CG: 210 units.
DC: $10,749 CUM: $477,063
DMC: $ 874 CMC: $ 27,549

WELL: LINMAR-HELEN LARSEN 1-5A1 (Sidetrack)
LOCATION: SEC. 5, T1S, R1W, DUCHESNE COUNTY, UTAH
OPERATOR: LINMAR ENERGY CORPORATION
CONTRACTOR: CALIBER, RIG #45
OBJECTIVE ZONE: WASATCH FORMATION
ESTIMATED TD: 16,000'

7-7-84 12,640' Day 31; Drilling, made 106' in 22 hrs. MW 9.2, Vis 45, WL 11.6, Cake 2, PH 11. Remarks: Survey, drilling, rig service, drilling, no problems. NO SHOWS. Survey: 10½° @ 12,494'. BGG: 90 units; CG: 150 units.
DC: $11,165 CUM: $488,228
DMC: $ 794 CMC: $ 28,343

7-8-84 12,645' Day 32; Drilling, made 5' in 2 hrs. MW 9.2, Vis 39, WL 9.2, Cake 2, PH 11. Remarks: Drilling, circulate bottoms up. Pull out of hole. Repair low drum drive chain. Pull out of hole change bottom hole assembly, trip in hole. Work on draw works electric lines. Rig service, trip in hole. Install new rotating head rubber. Wash and ream from 12,513' to 12,645' Hole was tight on trip out from 12,645' to 12,630'. NO SHOWS. BGG: 89 units; CG: 160 units; TG: 780 units.
DC: $21,763 CUM: $509,991
DMC: $ 998 CMC: $ 29,341

7-9-84 12,773' Day 33; Drilling, made 128' in 23 hrs. MW 9.3, Vis 43, WL 10.4, Cake 2, PH 11. Remarks: Drilling, survey, drilling, no problems. SHOW #10; 12,760-766'; Drilling Rate: Before 11 mins., During 18 mins., After 11 mins. Formation Gas: Before 20 units, During 340 units, After 200 units. Survey: 10½° @ 12,652' BGG: 200 units; CG: 150 units.
DC: $13,429 CUM: $523,420
DMC: $ 3,554 CMC: $ 32,895

7-10-84 12,816' Day 34; Drilling, made 43' in 12 hrs. MW 9.7, Vis 58, WL 8, Cake 2, PH 10.5. Remarks: Drilling, survey, drilling. Circulate bottoms up. Pull out of hole. Change bit and 1 IBS. Trip in hole. Wash and ream 85' to bottom. Drilling, no problems. NO SHOWS. Survey: 12¼° @ 12,747'. BGG: 200 units; CG: 220 units; TG: 840 units.
DC: $20,735 CUM: $544,155
DMC: $ 920 CMC: $ 33,815

7-11-84 12,888' Day 35; Drilling, made 72' in 15½ hrs. MW 9.5, Vis 53, WL 7.8, Cake 2, PH 10.5. Remarks: Drilling, survey, miss run. Drilling, survey, miss run. Drilling, survey. Circulate bottoms up. Pull out of hole to change bottom hole assembly to packed off. NO SHOWS. Survey: 14-3/4° @ 12,841'. BGG: 90 units. CG: 340 units.
DC: $11,919 CUM: $556,074
DMC: $ 904 CMC: $ 34,719

7-12-84 12,944' Day 36; Drilling, made 56' in 16½ hrs. MW 9.7, Vis 55, WL 8.4, Cake @, PH 10.5. Remarks: Pull out of hole. Change bottom hole assembly. Trip in hole. Repair stand pipe valve and rig service. Trip in hole, wash and ream 120' to bottom. Drilling. NO SHOWS. BGG: 50 units; CG: 120 units.
DC: $10,783 CUM: $566,857
DMC: $ 1,558 CMC: $ 36,277

7-13-84 13,049' Day 37; Drilling, made 105' in 22½ hrs. MW 9.6, Vis. 49, WL 6.8, Cake 2, PH 10.5. Remarks: Drilling, rig service, drilling. NO SHOWS. BGG: 70 units; CG 110 units.
DC: $10,349 CUM: $577,206
DMC: $ 1,002 CMC: $ 37,279

7-14-84 13,140' Day 38; Drilling, made 91' in 24 hrs. MW 9.5 Vis. 46, WL 6, Cake 2, PH 10.5. NO SHOWS. BGG 80 units, CG: 120 units.
DC: $11,736 CUM: $588,942
DMC: $ 2,001 CMC: $ 39,280

7-15-84 13,180 Day 39; Drilling, Made 40' in 10½ hrs. MW9.5, Vis 49, WL 6.8 Cake 2, PH 11. Remarks: Drilling. Circ. POOH. TIH, with DC's & pick up 6 DC's. TIH. Wash & ream 90" to bottom. Drlg.

7-15-84	13,180'	Show #11; 13,142-146'; Drilling Rate: Before 14 mins. During 26 mins., After 8 mins. Formation Gas: Before 60 units, During 320 units, After 70 units.BGG: 50 units, CG: 160 untis, TG: 900 units. DC: $ 18,461 CUM: $607,403 DMC: $ 891 CMC: $ 40,171
7-16-84	13,265'	Day 40; Drilling, made 85' in 21½ hrs. MW 9.6, Vis 50 WL 6.4, Cake 2, PH 10. Remarks: Drilling, work tight hole, drilling. Circ. & survey. Drilling. NO SHOWS. BGG: 13 units CG: 21 units. DC: $10,237 CUM: $617,640 DMC: $ 1,012 CMC: $ 41,183
7-17-84	13,320'	Day 41; Drilling, made 55' in 11 hrs. MW 10, Vis 52 WL 6.8, Cake 2, PH 10.8. Remarks: Drilling, circ. bottoms up. POOH. Change BHA. TIH with DC's & cut drilling line. TIH. Wash and ream 47' to bottom. Drilling. Note that new BHA might build angle. NO SHOWS. BGG: 20 units, CG: 30 units, TG: 800 units. DC: $18,559 CUM: $636,199 DMC: $ 7,134 CMC: $ 48,317
7-18-84	13, 425'	Day 42; Drilling 22½ hrs. Made 105'. MW 10.1, Vis 50, WL 9.2 Cake 2, PH 10.3. Remarks: Drilling to 13,425'. Survey at 13,307'. NO SHOW. BGG: 20 units. CG: 30 units. DC: $10,149 CUM: $646.348 DMC: $ 924 CMC: $ 49,241
7-19-84	13,510'	Day 43; Drilling 22½ hrs. Made 85'. MW 9.9+ Vis 60, WL 8.8, Cake 2, PH 11.5. Remarks: Drilling to 13,510'. Survey at 13,464'. NO SHOW. BGG: 23 units. CG: 270 units. DC: $10,216 CUM: $656,564 DMC: $ 991 CMC: $ 51,196
7-20-84	13,600'	Day 44; Drilling, made 90' in 24 hrs. MW 10.2, Vis 60, WL 8.8, Cake 2, PH 11.5. Remarks: Drilling to 13,600'. NO SHOWS. BGG: 35 units; CG: 47 units. DC: $9,225 CUM: $665,789 DMC: $ 0 CMC: $ 51,196
7-21-84	13,692'	Day 45; Drilling, made 92' in 24 hrs. MW 10.2, Vis 52, WL 8, Cake 2, PH 11.5. Remarks: Drilling to 13,692'. NO SHOWS. Survey: 15½° @ 13,464'. BGG: 140 units; CG: 170 units. DC: $14,450 CUM: $680,239 DMC: $ 5,225 CMC: $ 56,421
7-22-84	13,738'	Day 46; Drilling, made 46' in 12½ hrs. MW 10.2, Vis 47, WL 8, Cake 2, PH 11.5. Remarks: Drilling to 13,724'. Circulate and survey. Drill to 13,738'. Pull out of hole to check reamers and bottom hole assembly. Had 14 swelled boxes. Wait for monel to be recut. Reamers out ¼". NO SHOWS. Survey: 16¼° @ 13,684'. BGG: 80 units; CG: 220 units. DC: $10,568 CUM: $690,807 DMC: $ 1,248 CMC: $ 57,669
7-23-84	13,738'	Day 47; MW 10.2, Vis 53, WL 8.6, Cake 2, PH 11. Remarks: Trip in hole, lay down 50 joints of grade E with severly worn tool joints. Trip in hole, break circulation @ 12,100'. Pick up 42 joints S135, start to wash down 8 joints off bottom. Hole very tight, stuck and could not circulate at 13,534'. Work pipe, work out 3 joints. Start to ream to bottom. Reaming 3½ joints off bottom at 6:00 AM. Large amount of rounded cuttings coming over shaker, raise vis to 60. NO SHOWS. Survey: 16¼° @ 13,684'. BGG: 80 units; TG: 940 units. DC: $10,665 CUM: $701,472 DMC: $ 833 CMC: $ 58,502

7-24-84 13,818' Day 48; Drilling, made 80' in 19 hrs. MW 10.2, Vis 50, WL 8.6, Cake 2, PH 11. Remarks: Ream 13,534 to 13,738'. Drilling to 13,818'. NO SHOWS. Survey: 16¼° @ 13,684'. BGG: 60 units; CG: 70 units.
DC: $25,512 CUM: $726,984
DMC: $ 3,917 CMC: $ 62,419

7-25-84 13,903' Day 49; Drilling, made 85' in 23½ hrs. MW 10.5, Vis 67, WL 9, Cake 2, PH 11.5. Remarks: Drilling to 13,903'. SHOW #12; 13,840-845'; Drilling Rate: Before 10 mins., During 15 mins., After 20 mins. Formation Gas: Before 60 units, During 220 units, After 200 units. SHOW #13; 13,852-855'; Drilling Rate: Before 17 mins., During 18 mins., After 18 mins. Formation Gas: Before 140 units, During 360 units, After 70 units. Trace of green oil. BGG: 90 units; CG: 360 units.
DC: $9,615 CUM: $736,599
DMC: $ 445 CMC: $ 62,864

7-26-84 13,974' Day 50; Drilling, made 71' in 22 hrs. MW 10.5, Vis 62, WL 9, Cake 2, PH 10.5. Remarks: Drilling to 13,934'. Survey, misrun Drilling to 13,974'. SHOW #14; 13,913-915'; Drilling Rate: Before 14 mins., During 19 mins., After 13 mins. Formation Gas: Before 100 units, During 480 units, After 200 units. BGG: 110 units; CG: 180 units.
DC: $10,372 CUM: $746,971
DMC: $ 1,202 CMC: $ 64,066

7-27-84 14,030' Day 51; Drilling, made 56' in 20 hrs. MW 10.5, Vis 69, WL 10.4, Cake 2, PH 11. Remarks: Drilling to 13,996'. Survey, misrun. Drilling to 14,011'. Resurvey. Drilling to 14,030'. Survey 16¼° @ 13,956'. NO SHOWS. BGG: 100 units; CG: 180 units; TG: 750 units.
DC: $10,650 CUM: $757,621
DMC: $ 999 CMC: $ 65,065

7-28-84 14,048' Day 52; Drilling, made 18' in 5-3/4 hrs. MW 10.5, Vis 63, WL 6.8, Cake 2, PH 10.5. Remarks: Drilling to 14,040'. Pull out of hole for new bit. Pick up jars, gauge heavy weight drill pipe and E grade pipe, lay down 4 joints heavy weight drill pipe. Trip in hole, pick up Petco kelly. Trip in hole, wash 60' to bottom. Drilling to 14,048'. NO SHOWS. Survey: 16¼° @ 13,956'. BGG: 300 units; TG: 1280 units.
DC: $24,275 CUM: $781,896
DMC: $ 7,255 CMC: $ 72,320

7-29-84 14,187' Day 53; Drilling, made 139' in 24 hrs. MW 10.6, Vis 62, WL 6.8, Cake 2, PH 10.5. Remarks: Drilling to 14,187'. NO SHOWS. BGG: 100 units; CG: 300 units.
DC: $9,077 CUM: $790,973
DMC: $ 32 CMC: $ 72,352

7-30-84 14,303' Day 54; Drilling, made 116' in 21½ hrs. MW 10.7, Vis 57, WL 8, Cake 2 PH 10.5. Remarks: Drilling to 14,217. Circulate and Survey. Drilling to 14,303'. Circulate and resurvey. NO SHOWS. Survey: 14° @ 14,177'; 14¼° @ 14,263'. BGG: 180 units; CG: 360 units.
DC: $9,583 CUM: $800,556
DMC: $ 538 CMC: $ 72,890

7-31-84 14,420' Day 55; Drilling, made 117' in 23½ hrs. MW 10.6, Vis 63, WL 7.2, Cake 2, PH 10.5. Remarks: Survey, drilling to 14,420'. BGG: 200 units; CG: 240 units. NO SHOWS.
DC: $9,534 CUM: $810,090
DMC: $ 489 CMC: $ 73,379

8-1-84 14,533' Day 56; Drilling, made 113' in 22 hrs. MW 10.6, Vis 56, WL 8, Cake 2, PH 9. Remarks: Drilling to 14,504'. Survey, Drilling to 14,533'. SHOW #15; 14,465-473'; Drilling Rate: Before 12 mins., During 6 mins., After 8 mins. Formation Gas: Before 200 units, During 1000 units, After 950 units. Slight increase in dark green oil. Survey: 12½° @ 14,464'. BGG: 900 units; CG: 1000 units.
DC: $9,709 CUM: $819,799
DMC: $ 664 CMC: $ 74,043

8-2-84 14,539' Day 57; Drilling, made 6' in 1 hr. MW 10.9+, Vis 48, WL 8, Cake 2, PH 11. Remarks: Drilling to 14,549'. Criculate and condition raise mud weight to 11.0 ppg. Pull out of hole, check E pipe, heavy weight drill pipe, drill collars. Lay down 23 drill collars, 11 Heavy weight drll pipe, 41 joints E pipe to lay down going in hole. Change bottom hole assembly. NO SHOWS. BGG: 250 units; CG: 1000 units.
DC: $17,400 CUM: $837,199
DMC: $ 3,462 CMC: $ 77,505

8-3-84 14,577' Day 58; Drilling, made 38' in 8½ hrs. MW 10.9+, Vis 48, WL 8, Cake 2, PH 11. Remarks: Trip in hole. Lay down 46 joints E pipe. Wash 13,859' - 14,538'. Drilling to 14,577'. No torque. Heavy oil on bottoms up. NO SHOWS. BGG: 400 units; CG: 600 units; TG: 600 units thru buster.
DC: $15,715 CUM: $852,914
DMC: $ 6,535 CMC: $ 84,040

8-4-84 14,645' Day 59; Drilling, made 68' in 18½ hrs. MW 11, Vis 57, WL 12.8, Cake 2, PH 11.54. Remarks: Drilling to 14,612'. Survey, two misruns. Drilling to 14,634'. Survey. Drilling to 14,645'. Survey: 12° @ 14,590'. BGG: 400 units; CG: 900-1000 units.
DC: $9,360 CUM: $862,274
DMC: $ 180 CMC: $ 84,220

8-5-84 14,709' Day 60; Drilling, made 64' in 21 hrs. MW 11, Vis 65, WL 11.7, Cake 2, PH 10.5. Remarks: Drilling to 14,676'. Lost 75% of returns, lost 200 bbls. Drilling to 14,707'. Survey, misrun, tool would not drop fast enough to get to bottom. Total lost 400 bbls. Survey misrun @ 14,707'. BGG: 220 units; CG: 660 units.
DC: $17,267 CUM: $879,541
DMC: $ 8,087 CMC: $ 92,307

8-6-84 14,747' Day 61; Drilling, made 38' in 18 hrs. MW 11.1, Vis 40, WL 10.4, Cake 2, PH 10. Remarks: Drilling to 14,707'. Survey. Circulate out gas. Drilling, lost returns at 14,709'. Lost returns at 14,709' - 14,747'. Intermitent lost returns while drilling, 30-40' flare at 11.0#/gal., lost returns at 11.2#/gal. Survey: 12+° @14,653'. SHOW #16; 14,724-729'; Drilling Rate: Before 13 mins., During 15 mins., After 10 mins. Formation Gas: Before 250 units, During 900 units, After 500 units. Abundant dark green oil, fair cut, trace fluoresence. BGG: 400 units thru buster; CG: 500 units thru buster.
DC: $19,380 CUM: $898,921
DMC: $10,200 CMC: $ 84,220

8-7-84 14,748' Day 62; Drilling, made 1' in 2½ hrs. MW 11.5, Vis 44, WL 12.5 Cake 2, PH 10. Remarks: Drilling to 14,748'. Lost returns, pump pressure started to come up. Spot pill, dirller pulled into kelly hose and split hose. Trip into casing to repair hose and attempt to circulate. Rig up BJ and pump LCM. Repair kelly hose. Reverse circulate to get mud to move, displace hole with good mud. Well flowing, shut in and check for pressure, none. Circulate out gas and oil. Shut in and condition mud to 11.5 ppg. No pressure, well flowing, circulate 11.5 ppg mud. SHOW #17; 14,746-48'; DRilling Rate: Before 33 mins., During
(CONT'D ON NEXT PAGE)

8-7-84 cont'd

During 45 mins., After 37 mins. Formation Gas: Before 300 units, During 1000 units, After 450 units. Abundant dark green oil, Trace fluoresence, fair cut. BGG: 400 Thru buster; CG: 1000 thru buster.
DC: $16,432 CUM: $895,973
DMC: $ 5,990 CMC: $108,497

8-8-84 14,748'

Day 63; MW 11.9, Vis 44, WL 8.8, Cake 2, PH 9.5. Remarks: Shut in well and bring mud weight to 11.5 ppg, circulate throughout choke, go in hole to 11,200' and break circulation, go in hole to 13,333' and break circulation, bring 11.5 ppg mud around, shut in well and observe pressure build up, Shut in drill pipe pressure 4000; Shut in casing pressure 250, build 11.5 ppg in pits and load drill pipe with clean mud, shut in, Shut in drill pipe pressure 150; Shut in casing pressure 375, build weight to 11.7, load 11.7, circulate, shut off pumps, well flowing, build weight to 11.9 ppg, circulate through choke, choke frozen shut, go to manual choke, condition mud to 11.9 ppg and 10% LCM. Lost 500 Bbls last 24 hrs. BGG: 400 units; TG: 1100 units.
DC: $26,286 CUM: $922,259
DMC: $17,071 CMC: $125,568

8-9-84 14,777'

Day 64; Drilling, made 29' in 4½ hrs. MW 11.5, Vis 50, WL 7.8, Cake 2, PH 8.5. Remarks: Circulate 11.9 ppg on choke, spot 13.0 ppg inside drill pipe, go in hole 90' off bottom, circulate on choke, shut in well, shut in drill pipe pressure 0; Shut in casing pressure 125. Finish circulating bottoms up, 20-40' flare, Wash and ream 90' to bottom, 50-60% returns, cut mud weight to 11.5 ppg, drilling fair returns, made connection had 20-30% returns, sut down and build volume, drilling, lost all returns at 14,776', mix and spot 30% LCM pill across all open hole, no returns, slug pipe and pull out of hole 28 stands, drill pipe flowing back, pick up kelly and build volume, lost 1800 bbls last 24 hrs. BGG: 250 units; CG: 800 units; TG: 950 units.
DC: $42,722 CUM: $964,981
DMC: $31,736 CMC: $157,306

8-10-84 14,777'

Day 65; MW 11.5, Vis 40, WL 10, Cake 2, PH 10. Remarks: Build mud volume up at 12,257', pump 350 bbls down pipe without returns, mix 12.5 pill and spot in drill pipe, pull 22 stands, no up in casing, attept to circulate, no returns, build volume to 11.2-11.5 ppg, circulate and swab hole, returns improving, bottoms up flare 30', shut in. Shut in casing pressure 450 psi, Shut in drill pipe pressure 350 psi, Open up well head valve, no pressure, rig up and pump water down 7x9-5/8" annulus, 500 psi after 7 bbl, wouldn't hold pressure, no change in drill pipe or 7" casing pressure, condition mud to 11.9-12.0 ppg and heavily dispersed. There was some thick mud on both sides of the bottoms up gas, good returns after getting gas out of hole. BGG: 47 units; TG: 950 units.
DC: $22,441 CUM: $987,422
DMC: $13,453 CMC: $170,759

8-11-84 14,777'

Day 66; MW 12.2, Vis 72, WL 6.0, Cake 2, PH 10.0. Remarks: 50 stands off bottom. Build mud volume. Circulate bottoms up. Go in hole 10 stands, circulate bottoms up. Go in hole 10 stands, circulate bottoms up. Go in hole 12 stands, circulate bottoms up. Good returns. Go in hole 9 stands, circulate bottoms up. Go to bottom, well won't circulate. Spot 30% LCM Pill. NO SHOWS. BGG: 70-120 units; TG: 410-1800 units.
DC: $24,261 CUM: $1,011,683
DMC: $10,981 CMC: $ 186,465

8-12-84 14,777'

Day 67; MW 12.2, Vis 72, WL 6.0, Cake 2, PH 10.0. Remarks:
CONT'D ON NEXT PAGE

WELL: LINMAR-HELEN LARSEN 2-5A1 (Sidetrack)
LOCATION: SEC. 5, T1S, R1W, DUCHESNE COUNTY, UTAH
OPERATOR: LINMAR ENERGY CORPORATION
CONTRACTOR: CALIBER, RIG #45
OBJECTIVE ZONE: WASATCH FORMATION
ESTIMATED TD: 16,000'

8-12-84 cont'd Try to circulate at total depth. Cut mud to 12.0 ppg. Pull up to 13,900', no returns. Pull out of hole to 13,055'. Poor returns. Pull up into casing. Circulate bottoms up. Pull out of hole, pick up Hall, retrievabletest treat squeeze tool. Circulate bottoms up. NO SHOWS. BGG: 40 units; TG: 180 units.
DC: $10,151 CUM: $1,021,834
DMC: $ 0 CMC: $ 186,465

8-13-84 14,777' Day 68; MW 12.0, Vis 40, WL 8.4, Cake 2, PH 10.5. Remarks: Circulate bottoms up with RTTS tool. Set packer at 10,332'. Pressure up to 2500 psi, held 15 mins., no leaks. Release packer. Pull out of hole. Lay down RTTS. Pick up new bottom hole assembly. Go in hole, pick up new jars. Lay down 16 joints Drill pipe. Go in hole. Circulate out gas @ 10,848'. Pull up to 10,312'. Cut drilling line. Go in hole to 11,254'. Circulate out gas. Go in hole to 12,196'. Circulate out gas. NO SHOWS. BGG: 350 units; CG: 550 units; TG: 1250 units.
DC: $17,439 CUM: $1,039,273
DMC: $ 6,818 CMC: $ 193,283

8-14-84 14,804' Day 69; Drilling, made 27' in 8½ hrs. MW 11.6, VIs 41, WL 8.4, Cake 2, PH 10.0. Remarks: Circulate gas @ 12,196'. Go in hole to 13,137'. Circulate out gas. Go in hole to 14,225'. Circulate bottoms up. Wash and Ream from 14,225 - 14,777'. Circulate bottoms up. Run direction survey. Drilling. Generally good returns. Gradully increasing pump rate. NO SHOWS. BGG: 670-740 units; TG: 1240 units. Survey: 12°@ 14,702'.
DC: $29,525 CUM: $1,068,798
DMC: $10,087 CMC: $ 203,325

8-15-84 14,942' Day 70; Drilling, made 138' in 24 hrs. MW 11.8, Vis 47, WL 12.4, Cake 2, PH 9.5. Remarks: Drilling, SHOW #18; 14,878-886'; Drilling Rate: not avalible. Formation Gas: Before 350 units; During 650 units; After 350 units. Small oil stain, trace of bright-dull yellow fluoresence, fair cloudy cut. BGG: 650-350 units; CG: 900 units.
DC: $24,936 CUM: $1,093,734
DMC: $15,533 CMC: $ 218,858

8-16-84 15,050' Day 71; Drilling, made 108' in 20 hrs. MW 11.8, Vis 41, WL 11.2, Cake 2, PH 10.5. Remarks: Drilling, circulate bottoms up, Survey @ 14,930', Drilling. SHOW #19; 14,928-38'; Drilling Rate: Before 6 mins., During 2-4 mins., After 5 mins. Formation Gas: Before 290 units, During 690 units, After 300 units. Small amount oil stain, dull yellow fluoresence, no cut. Trace of dark green oil. SHOW #20; 14,956-70'; Drilling Rate: Before 4 mins., During 1-5 mins., After 8-6 mins. Formation GAs: Before 250 units, During 750 units, After 520 units. No cut, no fluoresence, trace of dark green oil. Survey: 12° @ 14,930'. BGG: 600-300 units; CG: 1300-450 units.
DC: $14,732 CUM: $1,108,466
DMC: $ 5,590 CMC: $ 224,448

8-17-84 15,157' Day 72; Drilling, made 107' in 22½ hrs. MW 12.6, Vis 45, WL 10.0, Cake 2, PH 12.0. Remarks: Drill to 15,157', bit pressuring up, circulate and work with bit, raise mud wieght to 12.6 ppg. SHOW #21; 15,102-108'; Drilling RAte: Before 7 mins., During 5-7.5 mins., After 8 mins. Formation Gas: Before 370 units, During 640 units, After 550 units. No fluoresence or cut, no oil. SHOW #22; 15,110-114'; Drilling Rate: Before 11 mins., During 9 mins., After 12 mins. Formation GAs: Before 370 units, During 940 units, After 400 units. No fluoresence or cut, increase in dark green oil. BGG: 250-400 units; CG: 470 units.
DC: $26,276 CUM: $1,134,742
DMC: $17,226 CMC: $ 241,674

8-18-84 15,159' Day 73; Drilling, made 2' in 5 hrs. MW 12.3+, VIs 55, WL 10.2, Cake 3, PH 10.0. Remarks: Trying to make bit drill, drill from 15,157' to 15,159'. Ream hole out form 15,157 to 15,159'. Bit still pressuring up. Make short trip of 10 stands. Circulate bottoms up for making trip for new bit. Trip out for bit, observing mud on annulus. Change bits and bottom hole assembly, Replace 3 point and 6 point. Trip in with bit #21 Hycalog 901. NO SHOWS. BGG: 200-550 units; CG: 350 units.
DC: $18,562 CUM: $1,128,084
DMC: $ 759 CMC: $ 251,156

8-19-84 15,159' Day 74; MW 12.0, Vis 45, WL 10.6, Cake 2/32, PH 10.0. Remarks: Trip in to 5,000', changed out 52 joints of S-135 drill pipe on trip in. Broke circulation at 5,000', had part returns, mud flowed back up drill pipe, on setting kelly back. Trip on in to 10,300'. Pick up kelly and try to break circulation by pumping down drill pipe, could not. Trip on in to 11,098'. Break circulation had part returns. Run in 10 more stands to 12,043'. Break circulation, had part returns. Run in 10 more stands to 12,988. Try to break circulation, lost 200 bbls of mud. Prep to trip up in to 7" casing. NO SHOWS. BGG: 24 units; CG: 465 units.
DC: $38,048 CUM: $1,166,132
DMC: $28,995 CMC: $ 280,150

8-20-84 15,159' Day 75; MW 12.0, Vsi 45, WL 10.6, Cake 2/32, PH 10.0. Remarks: Try and break circulation at 12,988', could not. Trip out to 10,331'. Build 800 bbls volume, with 30% LCM. Try to break circulation at 10,331, Pumped 135 bbls down drill pipe, no returns. Pull 20 stands up to 8,452'. Attempt to break circulation,pump 40 bbls, no returns. Mix up 100 bbls of 35% LCM, gain returns after pumping 100 bbls. Trip out to 10,331' and let LCM pill heal. Break circulation at 10,331', lost 30 bbls, but gain returns. NO SHOWS. BGG: 24 units; CG: 465 units.
DC: $9,053 CUM: $1,175,185
DMC: $ 0 CMC: $ 280,150

8-21-84 15,175' Day 76; Drilling, made 16' in 4½ hrs. MW 12.0, Vis 52, WL 10.0, Cake 2/32, PH 10.0. Remarks: Wash down singles of drill pipe form 13,982' to 15,159'. Lost no drilling fluid on washing down singles. Had on bridge at 14,191 to 14,200'. On washing and reaming, noticed bad spot in drilling line. Had to pull 15 stands of drill pipe to slip and cut line. Cut 481' of bad line. Drill from 15,159' to 15,175' with full returns, lost no drilling fluid in the last 24 hrs. NO SHOWS. BGG: 250 units; CG: 250-500 units; TG: 940 units.
DC: $29,447 CUM: $1,204,632
DMC: $20,394 CMC: $ 300,544

8-22-84 15,276' Day 77; Drilling, made 101' in 21½ hrs. MW 12.0, Vis 62, WL 10.8, Cake 2/32, PH 10.0. Remarks: Drill from 15,175' to 5,276'. Have lost 10 bbls of drilling fluid in the last 24 hrs. Check well for flow at 15,230', had small flow, no drill pipe pressure. Circulate bottoms up, had 710 units on back ground gas. Continue to drill ahead. NO SHOWS. BGG: 450 units; CG: 600 units.
DC: $22,200 CUM: $1,226,832
DMC: $ 8,570 CMC: $ 309,113

8-23-84 15,374' Day 78; Drilling, made 98' in 23½ hrs. MW 12.0, Vis 56, WL 13.2, Cake 2/32, PH 11.5. Remarks: Drill from 15,276' to 15,374'. Check for flow at 15,284', small flow, no pressure on drill pipe or casing. Have had some trouble with large shale coming over shale shaker, raised mud weight from 12.0 to 12.3 large parts of shale has slowed down some. NO SHOWS. BGG: 180 units; CG: 350 units.
DC: $13,259 CUM: $1,240,091
DMC: $ 4,206 CMC: $ 313,319

8-24-84 15,415' Day 79; Drilling, made 41' in 6 hrs. MW 12.3, Vis 50, WL 14.0, Cake 2/32, PH 11.5. REmarks: Drill form 15,374' to 15,376', bit pressured up to 3400 psi. Circulate bottoms up at 15,376', for trip for new bit. Trip out, hole in good shape, 20,000# Drag in open hole. SLM out made correction of 14'. Change bits, trip in with bit #22 HTC. Broke circulation on the following depth on trip in: 10,310-12,194-14,077-15,285'. Washed 105' to bottom. Drill from 15,390 to 15,415' with no hole trouble. No fluid lost on trip or washing to bottom. NO SHOWS. BGG: 400 units; CG: 500 units; TG: 1050 units.
DC: $21,605 CUM: $1,261,696
DMC: $ 5,467 CMC: $ 318,786

8-25-84 15,475' Day 80; Drilling, made 60' in 9½ hrs. MW 12.3, Vis 68, WL 15.5, Cake 2/32, PH 10.5. Remarks: Drill from15,415 to 15,475 with no hole trouble. At 15,475 lost all returns, Pull out 16 stands of drill pipe, and spot 100 bbls of 30% LCM at 13,585'. Gain no returns on spoting pill. After spotting pill, try to pull more stands of drill pipe, hole would swab in 100%, and drill pipe staying full. Reciprocate pipe with kelly, using pump on upper movement. Would gain fluid on pull up on pipe, and part returns on down movement. Reciprocated pipe till full returns reached. Viscosity was approx 200 coming out of bore hole. Trip back in all drill pipe. Broke circulation at 14,527 - 15,471' with full returns. Viscosity 75-65. NO SHOWS. BGG: 300 units; CG: 600 units.
DC: $11,863 CUM: $1,273,559
DMC: $ 2,810 CMC: $ 321,596

8-26-84 15,570' Day 81; Drilling, made 95' in 16½ hrs. MW 12.3, Vis 50, WL 14, Cake 2/32, PH 11.0. Remarks: Drill from 15,475' to 15,570' with no hole trouble. Lost no drilling fluid in the last 24 hrs. At 15,570' bit pressured up to 3400 psi. Circulate bottoms up. Trip out for new bit. SHOW #23; 15,475-480'; Drilling Rate: No drilling break. Formation GAs: Before 300 units, During 600 units, After 500 units. Fracture. SHOW #24; 15,517-521'; Drilling RAte: Before 7 mins., During 4.3 mins., After 6 mins. Formation Gas: Before 400 units, During 570 units, After 340 units. No fluoresence or cut. SHOW #25; 15,568-70'; Drilling RAte: Before 5 mins., During 4 mins., After 5 mins. Formation Gas: Before 180 units, During 420 units, After 225 units. No fluoresence or cut. BGG: 180-300 units; CG: 600-750 units; TG: 960 units.
DC: $24,681 CUM: $1,298,240
DMC: $15,628 CMC: $ 337,224

8-27-84 15,600' Day 82; Drilling, made 30' in 10 hrs. MW 12.3, Vis 46, WL 13.6, Cake 2/32, PH 12.0. Remarks: Finish tripping out with bit #23 RR #16. On tripping in, broke circulation at the following depth, 10,330-12,220-14,110. Circulation good at all depths. Wash and ream 100' to bottom. Drill from 15,570 to 15,600' with no hole trouble. Lost no drilling fluid on trip or drilling ahead. On bottoms up from trip, had one large flare and trace of oil on pits. After reaching a depth of 15,600, circulate bottoms up and trip out for running E logs with Schlumberger. SHOW #26; 15,588-96'; Drilling Rate: Before 15 mins., During 29 mins., After 16 mins. Formation Gas: Before 150 units, During 450 units, After 300 units. No fluoresence, fair cloudy cut. BGG: 180-300 units; CG: 600-750 units; TG: 960 units.
DC: $16,051 CUM: $1,314,291
DMC: $ 6,998 CMC: $ 344,222

8-28-84 15,600' Day 83; MW 12.3, Vis 46, WL 13.6, Cake 2/32, PH 12.0. Remarks: Finished tripping out to run E logs. Rig up Schlumberger and run the following logs, DIL FDC&CNL, all logs run from 15,572' to 10,337'. Straped all drilling string out. Rig logging truck down and release. Trip in with HYC 906 RR #19. Broke circulation at the floolwing depths-10,330'-12,220', 14,110', all breaks circulation good. Strapping all drill string back in. NO SHOWS. BGG: 180-300 units; CG: 600-750 units.
DC: $39,462 CUM: $1,353,753
DMC: $ 254 CMC: $ 344,476

8-29-84 15,645' Day 84; Drilling, made 45' in 10 hrs. MW 12.6, Vis 53, WL 11.8, Cake 2/32, PH 12.0. Remarks: Finish tripping in with bit #19 re-run HYC 906. Washed down 90' to bottom. Bottoms up 700 units. Lost no drilling fluid on trip in. Drilling from 15,600-15,645' with 12.3 mud weight, no hole problems, At 15,626 back ground gas increased from 550 units to 1220 units. Raised mud weight up to 12.4-12.5-12.6 within 5 hrs. final back ground gas was 400 units with 12.6 mud weight. Drop survey at 15,645 and trip out, prep to run 5" liner with hanger. SHOW #27; 15,626; Drilling RAte: Before 7 mins., During 6 mins., After 6 mins. Formation Gas: Before 550 units, During 1220 units, After N/A. Fracture. BGG: 240-1440 units, CG: 1175 units, TG: 700 units.
DC: $9,428 CUM: $1,363,181
DMC: $ 0 CMC: $ 344,476

8-30-84 15,645' Day 85; MW 12.6, Vis 53, WL 11.8, Cake 2/32, PH 12. Remarks: Finish tripping out with 6" bit. Rig up parrish oil tools, and run 126 joint of 5" 18# P-110 FJP, 5498.31'. Brown Hanger, 21.90'. Total of 5520.21'. Rig casing crew down and release. Trip in with 3½" drill pipe and 5" liner, liner taged up at 15,602'. Washed down 2', liner completly stopped. Tryed to hang liner at 15,602', slips would not set at that depth, Pulled up 5' and slips set on hanger first time, putting bottom of liner at 15,597'. Top of hanger at 10,077'. Overlap 260'. Float collar at 15,561'. Finish circulating bottoms up after slips were set on hanger. Rig up Halliburton and cement 5" liner with the following, 20 bbls of mud flush 700 sacks of classH with 35% ssa-1, 10% salt, 1% CFR-2, .4% Halad 24. Yeild-1.60, Slurry weight 15.9. Good circulation all through job. Displaced with 175 bbls. Max psi 2400, Plug bumped 400 psi over max psi. Plug down at 6:25 AM, 8-30-84. NO SHOWS. BGG: 40-150 units; TG: 1800 units.
DC: $141,724 CUM: $1,504,905
DMC: $ 9,503 CMC: $ 353,979

8-31-84 15,645' Day 86; MW 12.6, Vis 53, WL -1.8, Cake 2, PH 12.0. Remarks: Finish cementing with Halco. Pull out of hanger, set packer with 35,000# set down weight. Trip out of hole with all drill pipe and setting tool. First 4 stands of drill pipe wet. Wait on cement. Prepare to trip in hole with 6" mill tooth bit.
DC: $10,780 CUM: $1,515,685
DMC: $ 345 CMC: $ 354,324

9-1-84 15,645' Day 87; Finishing waiting on cement. Trip in hole with 6" mill tooth bit. Tagged up @ 9,656'. Displaced casing with reserve pit water. Wash down 62'. Drill cement from 9,718-10,077'. All cement good and hard. Tagged top of hanger @ 10,077'. Displaced 7" casing with good clean water. Rig up and lay down 3½" drill pipe. BGG: 15 units.
DC: $10,193 CUM: $1,525,878
DMC: $ 690 CMC: $ 355,014

9-2-84	15,645'	Day 88; Finish laying down all drill pipe and drill collars. Rig down floor tools, lay down kelly. Nipple down BOP stack and install tubing head. Pressure test tubing to 3000 psi, ok. Nipple up X-mas tree. Prepare to clean mud tanks. Released all rental equipment. BGG: 15 units. DC: $10,414 CUM: $1,536,292 DMC: $ -0- CMC: $ 355,014
9-3-84	15,645'	Day 89; Finish nippling up X-mas tree. Cleaned all mud tanks. Rig down rental tools. RELEASED RIG @ 2:30 p.m. 9/2/84. Rig down rotary tools. DC: $2,772 CUM: $1,539,064 DMC: $ -0- CMC: $ 355,014
9-4-84	15,645'	Day 90; Rig down, load out rental tools. WOCU. DC: $2,775 CUM: $1,541,835
9-5-84		WOCU. Drop from report until activity resumes.
10-12-84		Finish moving rotary tools. Move in service unit tomorrow. DC: $0.00 CUM: $0.00
10-14-84		Day 1; Move in Prarie Gold #4. DC: $150 CUM: $150
10-15-84		Shut down for Sunday
10-16-84		No Report
10-17-84		Day 2; No pressure on well. Mill 1' of cement and liner baffle. Run and mill 31 joints with power swivel. Circulate clean. Lay down power swivel. Run in hole with 150 joints and 26' to 14,884'. Circulate out mud. Rig up power swivel and mill 4' of cement. Run 8 joints on power swivel to 15,151'. Circulate bottoms up. Pull up 30', drain pump and lines. Secure for night. DC: $3400 CUM: $6800
10-18-84		Day 3; No pressure on well. Run in hole 30', pull up and mill down 12 joints tubing to 15,560'. Mill on float collar. Circulate tubing clean. Lay down power swivel. Test tubing to 5000 psi. Displace hole with 436 barrels 10# brine. Secure for night. DC: $6,200 CUM: $13,000
10-19-84		Day 4; No pressure on well. Test casing to 3000 psi. Pull out of hole, lay down 155 joints of tubing and stand back 338 joints. Lay down ball test sub, casing scraper, 1 joint and 4 1/8" mill. Fill hole with 35 barrels 10# brine. Rig up Oil Well Perforators and log CBL-CCL from 15,567' to 7000'. Rig down Oil Well Perforators. Shut down for night. DC: $6,400 CUM: $19,400
10-20-84		Shut down for perforations.
10-21-84		Shut down for weekend
10-22-84		Shut down for weekend

10-23-84 Rig up Oil Well Perforators. Test blind rams and lubricator to 2500 psi. Perforate the following Wasatch DIL-GR intervals 3 JSPF using 3 1/8" casing gun. Run #1, 15558, 15542, 15490, 15482, 15456, 15440, 15360, 15347, 15268, 15264, 15200, 15093, 15084, 15044, 14946, 14922, 14905, 14890, 14882, 14770, 14753, 14746, 14732, 14717, 14652, 14613. Pressure start 0 psi, Pressure end 700 psi. Run #2, 15243-45, 15144-46, 14038-40, 14696-98, 14246-66, 14072-74, Pressure start 1800 psi. Pressure end 2000 psi. Run #3, 14582, 14548, 14515, 14472, 14458, 14454, 14413, 14400, 14332, 14326, 14304, 14237, 14163, 14098, 14051, 13974, 13902, 13862, 13874, 13833, 13818, 13777, 13772, 13767, 13735. Pressure start 2000 psi. Pressure end 1900 psi. Pick up ~~Baker 32FAB30 5" 18#~~ packer (3.22) MOE (5.65'), cross over, (.40'), N80 2 7/8" pup (6.10'), 2.31" ID F nipple (.97') N80 2 7/8" pup (4.15') ECV (.85'). Run in hole and set packer at 13,623'. Pull out of hole with setting tool. Bleed off pressure, rig down Oil Well Perforators. Shut down for night.
DC: $27,100 CUM: $46,500

10-24-84 Day 6; 200 psi on well. Bled off pressure. Pick up Baker Seal Assembly, and run in hole with 338 joints out of derrick. Pick up and run in hole with 97 joints of 2 7/8" N80 8rd EUE tubing. Space out and displace brine with 210 barrels formation water with Sooner C136 chemical, followed by 116 barrels fresh water. Latch into packer and test packer and casing to 2500 psi. Install BP valve and land tubing with 14000# compression at 13,611'. Shut down for night.
DC: $52,300 CUM: $99,100

10-25-84 No pressure on well. Pick up and run in hole with 122 joints of 1.900 heat string. Land at 4012'. Nipple down BOP. 2 7/8" tubing hanger was not down in tubing head. Try different hanger. Unable to seat in tubing head. Nipple up BOP and pull out of hole with 122 joints of heat string. Nipple down BOP. Changed out tubing hanger and landed 2 7/8" tubing on opposite side of spool. Checked heat string hanger. Fit ok. Nipple up BOP. Changed offset ram blocks for opposite side. Shut down for night.
DC: $3200 CUM: $102,300

10-26-84 Day 8; trip in hole with 122 joints 1.900" heat string. Nipple down BOP. Remove back pressure valve. Install well head. Test tree to 5000 psi. Rig up line and pump out ECV with 2800 psi. Rig down servicr unit.
DC: $3,000 CUM: $105,300

Flowed 3 hours on 19/64" choke. 72 BO, 70 BW, 413 MCF 650 psi.

10-27-84 Flowed 24 hours on 19/64" choke. 139 BO,0 BW, 0 MCF, 300 psi.

10-28-84 Flowed 24 hours on 19/64" choke. 114 BO, 0 BW, 0 MCF, 250 psi.

10-29-84 Flowed 24 hours on 19/64" choke. 83 BO, 0 BW, 0 MCF, 250 psi.

10-30-84 Move in rig up Dowell. Set casing popoffs to 3000 psi. Pressure test casing to 2500 psi. Acidize down tubing with 25000 gal 15% HCL, dropping 300 ball sealers for diversion. Ave rate= 8bpm at 8000 psi. Max= TP=8200 psi. No breaks or ball action. Shut down for 20 min with 180 barrels pumped, to repair leak on pump truck. Wing valve on tree started leaking at 400 barrels. ISIP= 1500 psi. 5 min SITP = 3250 psi. 10 min SITP = 2550 psi. 15 min SITP = 1850 psi. Flow back approximately 20 BFW to reserve pit and well died. Shut in for day.
DC: not avail. CUM: not avail.

10-31-84 Flowed 14 hours on 15/64" choke. 21 BO, 0 BW, 713 MCF, 1100 psi.

11-1-84 Flowed 24 hours on 20/64" choke. 464 BO, 3 BW, 579 MCF, 400 psi.

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [XX] GAS WELL [ ] OTHER (Redrill)

2. NAME OF OPERATOR: Linmar Energy Corporation

3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave., Pkwy., Ste. 604, Denver, CO 80237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1780' FNL, 1980' FWL

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: Helen Larsen

9. WELL NO.: 2-5A1

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Operations			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

7-1-84
7-31-84 - Drilling to 14,420'.

(SEE ATTACHMENT FOR DETAILS.)

18. I hereby certify that the foregoing is true and correct

SIGNED John W. Clark TITLE Vice President DATE 5/14/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-1b

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [XX] GAS WELL [ ] OTHER (Redrill)

7. UNIT AGREEMENT NAME: N/A

2. NAME OF OPERATOR: Linmar Energy Corporation

8. FARM OR LEASE NAME: Helen Larsen

3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave., Pkwy., Ste. 604, Denver, CO 80237

9. WELL NO.: 2-5A1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface 1780' FNL, 1980' FWL

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Operations			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

8-1-84 – 8-29-84 – Drilling to TD @ 15,645'. Run electric logs.

8-30-84 – 8-31-84 – Run and cement 126 joints 5", 18#, P-110, FJP casing with 700 sacks Class H. Wait on cement.

(SEE ATTACHMENT FOR DETAILS.)

18. I hereby certify that the foregoing is true and correct

SIGNED John W. Clark TITLE Vice President DATE 5/14/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [XX] GAS WELL [ ] OTHER (Redrill)

2. NAME OF OPERATOR: Linmar Energy Corporation

3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave., Pkwy., Ste. 604, Denver, CO 80237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1780' FNL, 1980' FWL

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: Helen Larsen

9. WELL NO.: 2-5A1

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Operations			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

9-1-84 - Finish waiting on cement.

9-2-84
9-3-84 - Lay down drill pipe, released rig @ 2:30 p.m. 9/2/84.

9-4-84
9-30-84 - WOCU.

(SEE ATTACHMENT FOR DETAILS.)

18. I hereby certify that the foregoing is true and correct

SIGNED John W. Clark TITLE Vice President DATE 5/14/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-1b

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [XX] GAS WELL [ ] OTHER (Redrill)

2. NAME OF OPERATOR: Linmar Energy Corporation

3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave., Pkwy., Ste. 604, Denver, CO 80237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1780' FNL, 1980' FWL

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: Helen Larsen

9. WELL NO.: 2-5A1

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Operations			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

10-1-84
10-13-84 - WOCU.

10-14-84
10-31-84 - Complete Lower Wasatch Formation.

(SEE ATTACHMENT FOR DETAILS.)

18. I hereby certify that the foregoing is true and correct

SIGNED John W. Clark TITLE Vice President DATE 5/14/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-1b

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

1. OIL WELL [XX] GAS WELL [ ] OTHER (Redrill)

7. UNIT AGREEMENT NAME: N/A

2. NAME OF OPERATOR: Linmar Energy Corporation

8. FARM OR LEASE NAME: Helen Larsen

3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave., Pkwy., Ste. 604, Denver, CO 80237

9. WELL NO.: 2-5A1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface 1780' FNL, 1980' FWL

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. **Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data**

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other) Operations			[X]
(Other)			[ ]	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

11-1-84 - POP.

(SEE ATTACHMENT FOR DETAILS.)

18. I hereby certify that the foregoing is true and correct

SIGNED John W. Clark TITLE Vice President DATE 5/14/85

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-3

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

56 64 0

6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL [X] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [X] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other Re-Drill

2. NAME OF OPERATOR: Linmar Energy Corporation

3. ADDRESS OF OPERATOR: 7979 E. Tufts Ave., Pkwy., Ste. 604, Denver, CO 80237

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1780' FNL, 1980' FWL (SENW)
At top prod. interval reported below Same
At total depth Same

RECEIVED
MAY 24 1985
DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: FEE

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: Helen Larsen

9. WELL NO.: 2-5A1

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 5, T1S, R1W, USM

14. PERMIT NO.: 43-013-30920 DATE ISSUED: 4/26/84

12. COUNTY OR PARISH: Duchesen

13. STATE: Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
6/7/84	8/29/84	10/31/84	5960' GL	Same

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
15,645'	15,560'		→	X	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 15,558-13,735' Wasatch

25. WAS DIRECTIONAL SURVEY MADE: Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN: CNL, FDC, DIL, GR, CAL, SP

27. WAS WELL CORED: No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"		10,077'			

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
5"	10,077'	15,597'	700	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8"	13,623'	13,623'

31. PERFORATION RECORD (Interval, size and number): SEE ATTACHMENT

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
15,558-13,735'	25,000 gals. 15% HCl

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
11/1/84	Flowing	Producing.

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
11/1/84		20/64"	→	464	579	3	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
400 psi	-0-	→	464	579	3	43.5

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Sold

TEST WITNESSED BY: E. B. Whicker

35. LIST OF ATTACHMENTS: Perforation record, directional survey.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED John W. Clark TITLE Vice President DATE 5/14/85

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: *"Sacks Cement":* Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Green River	6,683'	
Wasatch	11,010'	

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

June 28, 1985

Linmar Energy Corporation
7979 East Tufts Ave. Parkway #604
Denver, Colorado 80237

Gentlemen:

Re: Well No. HYelen Larsen 2-5A1 - Sec. 5, T. 1S., R. 1W., Duchesne County, Utah - API #43-013-30920

According to our records a "Well Completion Report" filed with this office May 14, 1985 on the above referenced well indicates the following electric logs were run: CNL, FDC, DIL, GR, CAL, SP. This office has not yet received these logs. Also, the completion report indicates the well was cored, yet we have not received the core analysis.

Please take care of this matter as soon as possible, but not later than July 12, 1985.

Your cooperation in this matter is appreciated.

Sincerely,

Pam Kenna

Pam Kenna
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0161S/7

FORM OGC-1B

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUBMIT IN TRIPLICATE
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

RECEIVED
DEC 10 1985
DIVISION OF OIL GAS & MINING

2. NAME OF OPERATOR: LINMAR ENERGY CORPORATION

3. ADDRESS OF OPERATOR: P.O. BOX 1327, ROOESVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1780' FNL, 1980' FWL

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: Helen Larsen

9. WELL NO.: 2-5A1

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[X]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)	[ ]						

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Acidize Wasatch perforations from 13822'-15550' with 30,000 gals. 15% HCl on 11/25/85.

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Division Engineer DATE December 2, 1985

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

Form OGC-1b

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER

2. NAME OF OPERATOR: See Below

NOV 9 1987

3. ADDRESS OF OPERATOR: See Below

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO. See Exhibit "A" Attached Hereto

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: See Exhibit "A" Attached Hereto

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

12. COUNTY OR PARISH: Duchesne & Uintah Counties

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other)			☐
(Other)		Change of Operator	X	(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

CHANGE OF OPERATOR
(Effective November 1, 1987)

FROM:

Company Name: Linmar Energy Corporation
Address: 7979 East Tufts Avenue Parkway, Suite 604, Denver, Colorado 80237
Telephone No.: (303) 773-8003

TO:

Company Name: Linmar Petroleum Company N9503
Address: 7979 East Tufts Avenue Parkway, Suite 604, Denver, Colorado 80237
Telephone No.: (303) 773-8003

18. I hereby certify that the foregoing is true and correct

SIGNED LINMAR ENERGY CORPORATION By: B. J. Lewis B. J. Lewis TITLE Vice President DATE November 6, 1987

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

NOV 9 1987

EXHIBIT "A"

Attached to and made a part of that certain Sundry Notice covering Change of Operator from Linmar Energy Corporation to Linmar Petroleum Company

WELL NAME		SECTION, TOWNSHIP AND RANGE
Horrocks 1-3A1	43-013-30171	Section 3, Township 1 South, Range 1 West
Chasel Miller 2-1A2	43-013-30360	Section 1, Township 1 South, Range 2 West
Duncan 3-1A2	43-013-31135	Section 1, Township 1 South, Range 2 West
Murray 3-2A2	43-013-30816	Section 2, Township 1 South, Range 2 West
Chasel Hackford 2-10A1E	43-047-31421	Section 10, Township 1 South, Range 1 East
Wilkerson 1-20Z1	43-013-30942	Section 20, Township 1 North, Range 1 West
Moon 1-23Z1	43-047-31479	Section 23, Township 1 North, Range 1 West
Coltharp 1-27Z1	43-013-30151	Section 27, Township 1 North, Range 1 West
Jensen 1-29Z1	43-013-30725	Section 29, Township 1 North, Range 1 West
Ute 1-30Z1	43-013-30813	Section 30, Township 1 North, Range 1 West
Dye 1-25Z2	43-013-30659	Section 25, Township 1 North, Range 2 West
Ute Tribal 3-35Z2	43-013-31133	Section 35, Township 1 North, Range 2 West
Horrocks 2-4A1	43-013-30954	Section 4, Township 1 South, Range 1 West
Helen Larsen 2-5A1	43-013-30920	Section 5, Township 1 South, Range 1 West
Chasel 2-17A1	43-013-30732	Section 17, Township 1 South, Range 1 West
LeBeau 1-34A1	43-013-30590	Section 34, Township 1 South, Range 1 West
Timothy 3-18A3	43-013-30940	Section 18, Township 1 South, Range 3 West
Fisher 1-19A3	43-013-30535	Section 19, Township 1 South, Range 3 West
Goodrich 1-24A4	43-013-30760	Section 24, Township 1 South, Range 4 West
Smith 2-25A4	43-013-30776	Section 25, Township 1 South, Range 4 West
State 1-14B1	43-047-30818	Section 14, Township 2 South, Range 1 West
Linmar 1-19B2	43-013-30600	Section 19, Township 2 South, Range 2 West
Christensen 2-8B3	43-013-30780	Section 8, Township 2 South, Range 3 West
Hansen 1-16B3	43-013-30335	Section 16, Township 2 South, Range 3 West

LINMAR PETROLEUM COMPANY
7979 East Tufts Avenue Parkway, Suite 604
Denver, Colorado 80237
(303) 773-8003

111202

November 6, 1987

State of Utah
Division of Oil, Gas and Mining
3 Triad Center, Suite 350
355 West North Temple
Salt Lake City, Utah 84180-1203

ATTN: Tami Searing

Re: Change of Operator N9503

Dear Ms. Searing:

Enclosed is a Sundry Notice, in triplicate, evidencing Change of Operator effective November 1, 1987, from Linmar Energy Corporation to Linmar Petroleum Company covering the wells listed on the Exhibit "A" attached thereto. Such listing of wells should cover all the wells in which you currently show Linmar Energy Corporation as Operator.

If you have any questions whatsoever or if you need any additional information, please do not hesitate to call me collect at (303) 773-8003.

Thank you so very much for all of your assistance and cooperation in this matter.

Very truly yours,

LINMAR PETROLEUM COMPANY

Susan L. Foster

Susan L. Foster
Land Consultant

SLF:jgm

Enclosures

cc: Ed Whicker, Field Superintendent, Linmar Petroleum Company

RECEIVED
NOV 9 1987

COMPANY: LINMAR ENERGY UT ACCOUNT # N9520 SUSPENSE DATE: 4-11-88

WELL NAME: HELEN LARSEN 2-5A1

API #: 43 013 30920

TELEPHONE CONTACT DOCUMENTATION

SEC, TWP, RNG: 5 T1S R1W

CONTACT NAME: ~~MARLENE~~ LORI

CONTACT TELEPHONE NO.: 303-773-8003

SUBJECT: NEED LOGS

CNL CAL

FDC SP

DIL

GR

(Use attachments if necessary)

RESULTS: LORI WILL RETURN CALL TOMORROW

3-28-88 3:55

3-29-88 2:20 LORI WILL SEND LOGS

(Use attachments if necessary)

CONTACTED BY: JC

DATE: 3-29-88

STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

Lisha —
Can you write to Linmar + ask if they will provide us w/ logs below?
Thx.
Pam

June 28, 1985

Linmar Energy Corporation
7979 East Tufts Ave. Parkway #604
Denver, Colorado 80237

Gentlemen:

Re: Well No. HYelen Larsen 2-5A1 - Sec. 5, T. 1S., R. 1W., Duchesne County, Utah - API #43-013-30920

According to our records a "Well Completion Report" filed with this office May 14, 1985 on the above ~~referenced well indicates~~ the following electric logs were run: CNL, FDC, DIL, GR, CAL, SP. This office has not yet received these logs. Also, the completion report indicates the well was cored, yet we have not received the core analysis.

Please take care of this matter as soon as possible, but not later than July 12, 1985.

Your cooperation in this matter is appreciated.

Sincerely,

Pam Kenna

Pam Kenna
Well Records Specialist

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza
File

0161S/7

3/17/88
ask Pam if these were provided to the Division —
Also when Dec. 87 prod report was w/ lee out —

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
OCT 05 1988
DIVISION OF OIL, GAS & MINING

1. OIL WELL [XX] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Linmar Petroleum Company

3. ADDRESS OF OPERATOR: P.O. Box 1327, Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 1780' FNL, 1980' FWL

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: Helen Larson

9. WELL NO.: 2-5A1

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960' GL

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other) Plug & Abandon			[X]	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Linmar plans to plug and abandon the subject well as follows:

1. Set a CIBP at 10,130' and spot a balanced cement plug from 10,130 to 10,000'.

2. Fill wellbore with 8.4 ppg gel mud with a minimum funnel viscosity of 35.

3. If possible, pump 400 cf (2,661') of class G cmt down Surface Pipe/Casing annulus.

4. Cut off wellhead and install 4" diameter by 10' long dry hole marker, welded to the casing stub and filled in with cement. The marker will be labled as follows, with welded bead:

   Linmar petroleum Co
   Helen Larson 2-05A1
   SENW Sec 5-T1S-R1W, Duchesne County.

5. Location will be cleaned, graded, land reseeded with Landowner's seed of choice.

A wellbore diagram is attached.

18. I hereby certify that the foregoing is true and correct

SIGNED E. B. Wheeler TITLE Manager of Engineering DATE October 4, 1988

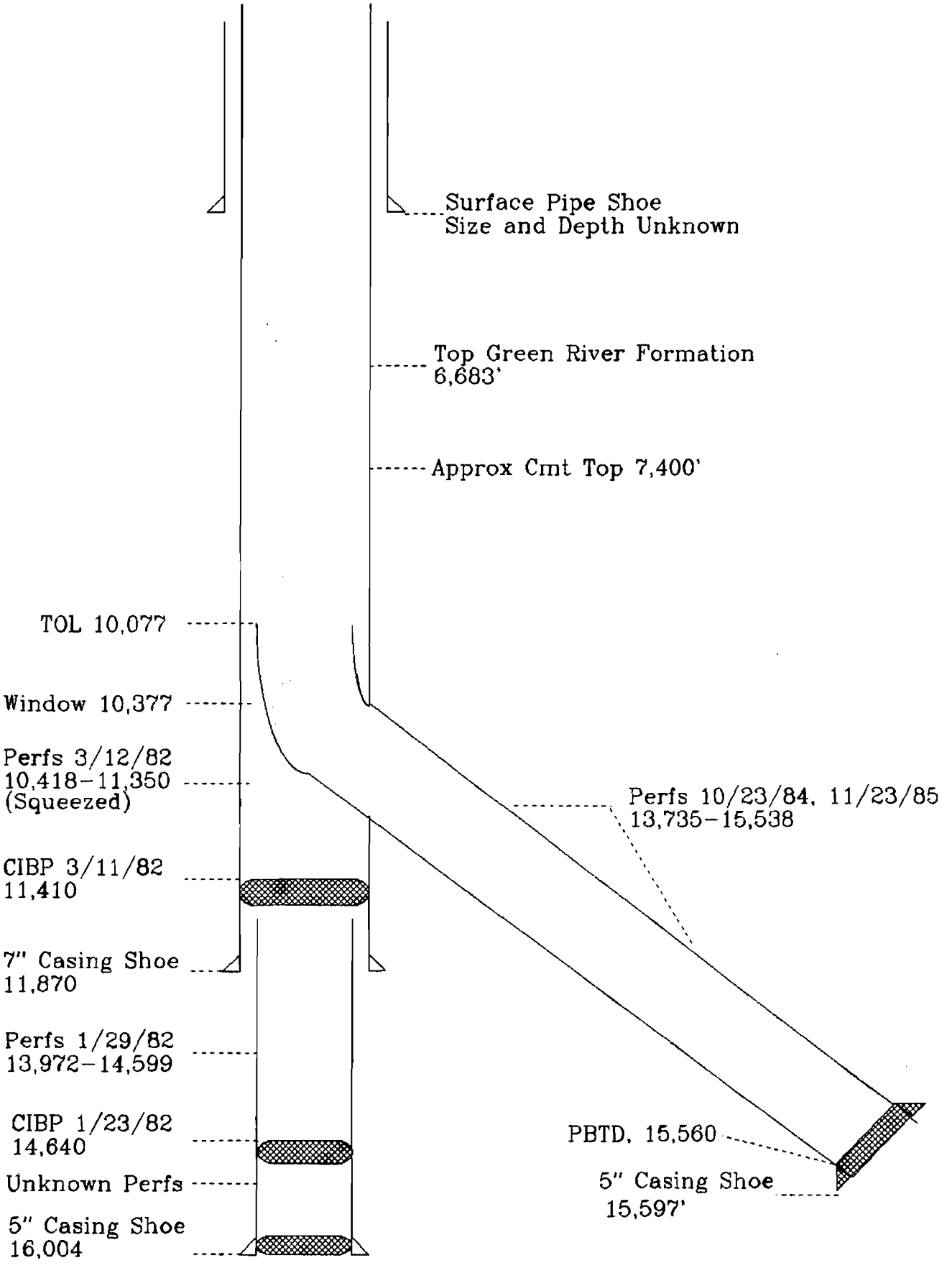
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Helen Larson 2-05A1

Wellbore Diagram



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 20, 1988

Mr. Ed Whicker
Linmar Petroleum Company
P.O. Box 1327
Roosevelt, Utah 84066

Dear Mr. Whicker:

RE: Plug and Abandonment Proposal for Helen Larsen Well No. 2-5A1

The Division of Oil, Gas and Mining recently received your sundry notice requesting to plug and abandon the referenced well located in Section 5, Township 1 South, Range 1 West, Duchesne County, Utah. A copy of the submitted procedure is enclosed with this letter. After review of your proposed procedure, it is the opinion of the Division staff that you should modify and resubmit your proposal to adequately address the following concerns:

1. Approximately three to four miles west and south of the referenced well, a well operated by Pennzoil Company blew out in May of 1987. Pennzoil has not yet been able to determine the gas producing interval which caused the blowout; however, they suspect a gas producing zone exits in the upper Green River formation. Other companies have also recently proposed to use the upper Green River formation as a potential salt water disposal interval in the area of this well. Your procedure should provide a method for adequately sealing the well bore both inside and outside of casing at the top of the Green River Formation identified in your exhibit at 6,683'.

2. Recent studies of water salinity in the Uinta Basin performed by the U.S. Geological Survey indicate the presence of moderately saline water beginning at a depth of approximately 2,400' in the area of the referenced well. Your procedure states that you will attempt to pump cement between the 9-5/8" and 7" casings to a depth of approximately 2,661' which should adequately seal off the lower portions of the well. However, if cement cannot be pumped in the casing annulus, it would still be necessary to perforate and squeeze cement inside and outside of the 7" casing at the depth of the 9-5/8" casing shoe (our records show this casing to be set at 2,495'). Your procedure should indicate the alternative procedure which would be followed if this is necessary.

You may also wish to consider alternatives which have not been addressed in your procedure such as cutting and pulling casing or possible conversion to salt water disposal. In any case, the Division will gladly consider a modified proposal to plug and abandon the referenced well as long as the aforementioned concerns are addressed. Please contact me again if you have any questions regarding these requirements.

Sincerely,

John R. Baza
Petroleum Engineer

Enclosure
cc: D. R. Nielson
R. J. Firth
Well file
WP+/3-4

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
OCT 27 1988
DIVISION OF OIL, GAS & MINING

1. OIL WELL [XX] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Linmar Petroleum Company

3. ADDRESS OF OPERATOR: P.O. Box 1327, Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface: 1780' FNL, 1980' FWL

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: Helen Larsen

9. WELL NO.: 2-5A1

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other) Plug & Abandon			[X]	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Linmar plans to plug and abandon the subject well as follows (Revised 10/26/88, at request of DOGM):

1. Set a CIBP at 10,130' and spot a balanced cement plug from 10,130 to 10,000'.

2. Fill wellbore with 8.4 ppg gel mud with a minimum funnel viscosity of 35.

3. Perforate squeeze holes at 6,740' and 2,550'. Set cement retainer at 6,600' and pump adaquate cement to leave 100' plug inside and outside of 7" casing, at the top of the Green River Formation. Set cement retainer at 2,400' and pump adaquate cement to leave 100' plug, inside and outside of Surface Casing Shoe, and if possible, fill Surface Pipe - Production Casing annulus to surface.

4. Cut off wellhead and install 4" diameter by 10' long dry hole marker, welded to the casing stub and filled in with cement. The marker will be labled as follows, with welded bead:
   Linmar Petr Co
   Helen Larson 2-05A1
   SENW Sec 5-T1S-R1W, Duch Cnty.

5. Location will be cleaned, graded, and reseeded with Landowner's seed of choice.

A wellbore diagram is attached.

18. I hereby certify that the foregoing is true and correct

SIGNED E. B. Wheeler TITLE Manager of Engineering DATE October 26, 1988

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____

CONDITIONS OF APPROVAL, IF ANY: See attached Conditions of approval.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 11-2-88
BY: John R. Baza

CONDITIONS OF APPROVAL FOR PLUGGING AND ABANDONMENT
Helen Larsen 2-5A1 Well
November 2, 1988

1. The operator shall notify the Division of Oil, Gas and Mining at least 24 hours prior to the commencement of plugging and abandonment operations to allow for witnessing of operations by a Division representative.

OI3/4

DEPARTMENT OF NATURAL
DIVISION OF OIL, GAS, AN

BEST COPY AVAILABLE

6

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

RECEIVED
JAN 05 1989
DIVISION OF OIL, GAS & MINING

OIL WELL [XX] GAS WELL [ ] OTHER

NAME OF OPERATOR: Linmar Petroleum Company

ADDRESS OF OPERATOR: P.O. Box 1327, Roosevelt, Utah 84066

LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1780' FNL, 1980' FWL

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: Helen Larsen

9. WELL NO.: 2-5A1

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W, USM

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[XX]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]	(Other)			[ ]
(Other)	[ ]						

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Linmar Petroleum has plugged the subject well as per state requirements. Attached is a copy of the plugging procedure. The plugging was witnessed by State of Utah representative Gary Garner. Surface restoration will commence as weather permits.

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Production Engineer DATE 12/27/88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

** L205A1 881116 001 CEE 3400
HELEN LARSEN 2-05A1
PLUG AND ABANDON
MIRU Pool Well Service #233. ND WH. NU BOPE. RU pump lines and pump 80BFW down 9 5/8" and 7" casing annulus @6BPM and 300psi. Work tbg to 120,000. Free packer at 13,590'. POOH LD 110 jts tbg. POOH SB 288jts tbg. Drain pump and lines. SWIFN.

POOL WELL #233	1600
JONES TRUCKING	600
DALBO TRUCKING	800
CEE	400

DC=$3,400 CC=$3,400

** L205A3 881117 002 CEE 3200
HELEN LARSEN 2-05A1
PLUG AND ABANDON
POOH w/36jts tbg, National V cavity w/pump in place, 5" Baker R-3 packer. PU 5", 18#, Baker CIBP. Tally in hole w/324jts tbg. Set CIBP @ 10,130'. PU end of tbg to 10,120'. RU Dowell and fill hole w/235BFW. Test plug to 2000psi. Spot 50sk (10bbl)balanced cement plug on top of CIBP. POOH w/10jts tbg. Displace hole w/11.3#, 48vis mud. POOh LD 45jts tbg. Drain pump and lines. SWIFN.

DOWELL	1000
POOL WELL #233	1600
SEAGULL WT	200
CEE	400

DC=$3,200 CC=$6,600

** L205A1 881118 003 CEE 2000
HELEN LARSEN 2-05A1
PLUG AND ABANDON
POOH LD 69jts tbg. POOH SB 210jts tbg. LD Baker setting tool. Stop @1000' adn circulate hole clean. RU McCullough. Test blind rams and lubricator to 2000psi. Could not get gun below 2000' because of paraffin in csg. PU 6" paraffin knife and TIH on 230jts tbg corculating out paraffin from surface ot 7,200'. Drain pump and lines. POOH w/5jts tbg. SWIFN.

POOL WELL #233	1600
CEE	400

DC=$2,000 CC=$8,600

** L205A1 881119 004 CEE 1800
HELEN LARSEN 2-05A1
PLUG AND ABANDON
Change out rig pumps. Untaw rig pump. Circulate paraffin out of csg and tbg. TOOH w/225jts tbg. Stop @ 1000' and circ paraffin out of csg. LD wax knife. RU McCullough and could not perf guns below 150'. Work for 1 hour. RD McCullough. TIH w/50stds tbg. Criculate paraffin out of surface lines w/hot form water. Drain pump and lines. Pull 2jts tbg. SWIFWeekend.

POOL WELL #233	1400
CEE	400

DC=$1,800 CC=$10,400

** L205A1 881120 004 DGH 0

HELEN LARSEN 2-5A1
P&A
SDFWe.

** L205A1 881121 004 DGH 0
HELEN LARSEN 2-5A1
P&A
SDFWe

** L205A1 881122 005 DGH 3400
HELEN LARSEN
P&A
RIH with 113 jt 2 7/8" tubing to 6600'. RU McCullough. RIH with 2" tubing gun to 6740'. Shoot 11 squeeze holes at 6740'. POOH with perforators and rig down. Pressure casing to 3000 psi to break down perfs. 3000 psi bled off to 2500 in 3 minutes. PU 5 jts of tubing and RIH to 6764'. RU Dowell. Spot 5 bbls of 15% HCl across perfs. Pressure casing to 3000 psi. Perfs slowly took acid. Establish pump in rate of 1 BPM at 3000 psi after breakdown. RD Dowell. L/D 6 jts tubing. TOOH with 210 jts tubing and 6" wax knife. PU 7" 26# cement retainer. TIH with retainer and 156 jts tubing. SDFN.

Pool	1700
McCullough	1300
DGH	400
DC=$3400	CC=$13800

** L205A1 881123 006 DGH 16600
HELEN LARSEN
P&A
RIH with 55 jts 2 7/8" tubing to 6608'. Set cement retainer. Stung out of retainer and fill well with 34 bbls water. Pump 5 bbls fresh water ahead, followed by 12 bbls (60 sx) class G cement. Spot cement to end of tubing and sting into retainer. Squeeze cement into perfs at 1.5 BPM and 4500 psi. Displace with 5 bbls fresh water and 32 bbls formation water. Sting out of retainer leaving 1 bbl cement on top of retainer. POOH with 10 jts tubing. Displace formation water out of well with 50 bbls 10.5 PPG mud. POOH and lay down all tubing and retainer setting tool. Hook up Dowell to surface casing valve. Pump 5 bbls fresh water ahead followed by 83 bbls (400 sx) class G cement down surface casing. Pump at 3 BPM and 500 psi. Clean out cellar. Remove BOP. Cut surface casing and 7" casing strings at surface. Remove casing and tubing head. PU 100' of 1" pipe. Cement 100' surface plug in 9-5/8"-7" annulus and 100' plug in 7" casing. Cement to surface. Install dry hole marker and fill with cement. SDFN. (Note: Plugging procedure was witnessed by Gary Garner from the State of Utah).

Pool	1600
McCullough	1700
Baker Service	2300
Dowell	8700
Freedom HO	1000
Walker Welding	300
Seagul	500
DGH	400

DC=$16600 CC=$30300

** L205A1 881124 007 CEE 2600 ✓
HELEN LARSEN 2-05A1
PLUG AND ABANDON
RDMO Pool Well Service #233. Move tbg and wellhead equip to Linmar's Roosevelt yard. Empty and release frac tank.

POOL WELL #233	600
SEAGULL TRKG	200
WALKER WELDING	1400
DGH	400

DC=$2,600 CC=$32,900

** L205A1 881123 006 DGH 16600
HELEN LARSEN
P&A
RIH with 55 jts 2 7/8" tubing to 6608'. Set cement retainer. Stung out of retainer and fill well with 34 bbls water. Pump 5 bbls fresh water ahead, followed by 12 bbls (60 sx) class G cement. Spot cement to end of tubing and sting into retainer. Squeeze cement into perfs at 1.5 BPM and 4500 psi. Displace with 5 bbls fresh water and 32 bbls formation water. Sting out of retainer leaving 1 bbl cement on top of retainer. POOH with 10 jts tubing. Displace formation water out of well with 50 bbls 10.5 PPG mud. POOH and lay down all tubing and retainer setting tool. Hook up Dowell to surface casing valve. Pump 5 bbls fresh water ahead followed by 83 bbls (400 sx) class G cement down surface casing. Pump at 3 BPM and 500 psi. Clean out cellar. Remove BOP. Cut surface casing and 7" casing strings at surface. Remove casing and tubing head. PU 100' of 1" pipe. Cement 100' surface plug in 9-5/8"-7" annulus and 100' plug in 7" casing. Cement to surface. Install dry hole marker and fill with cement. SDFN. (Note: Plugging procedure was witnessed by Gary Garner from the State of Utah).

Pool	1600
McCullough	1700
Baker Service	2300
Dowell	8700
Freedom HO	1000
Walker Welding	300
Seagul	500
DGH	400

DC=$16600 CC=$30300

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL [X] GAS WELL [ ] OTHER

2. NAME OF OPERATOR: Linmar Petroleum Company

3. ADDRESS OF OPERATOR: P.O. Box 1327, Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 1780' FNL, 1980' FWL

RECEIVED FEB 22 1989 DIV OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: Fee

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

7. UNIT AGREEMENT NAME: N/A

8. FARM OR LEASE NAME: Helen Larson

9. WELL NO.: 2-5A1

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 5, T1S, R1W

14. PERMIT NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5960' GL

12. COUNTY OR PARISH: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[ ]
(Other) Plug & Abandon			[X]

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[X]
(Other)			[ ]

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

The surface owner of the subject well, Orven Moon, has requested that Linmar pay him for surface reclamation. An agreement is attached, transferring responsibility for any and all future reclamation to him.

Well plugging operations were previously reported by sundry notice and witnessed by DOGM inspecter, Gary Garner.

Please release Linmar's bond, as it pertains to this well.

18. I hereby certify that the foregoing is true and correct

SIGNED C. B. [illegible] TITLE Manager of Engineering DATE 17 FEB 1989

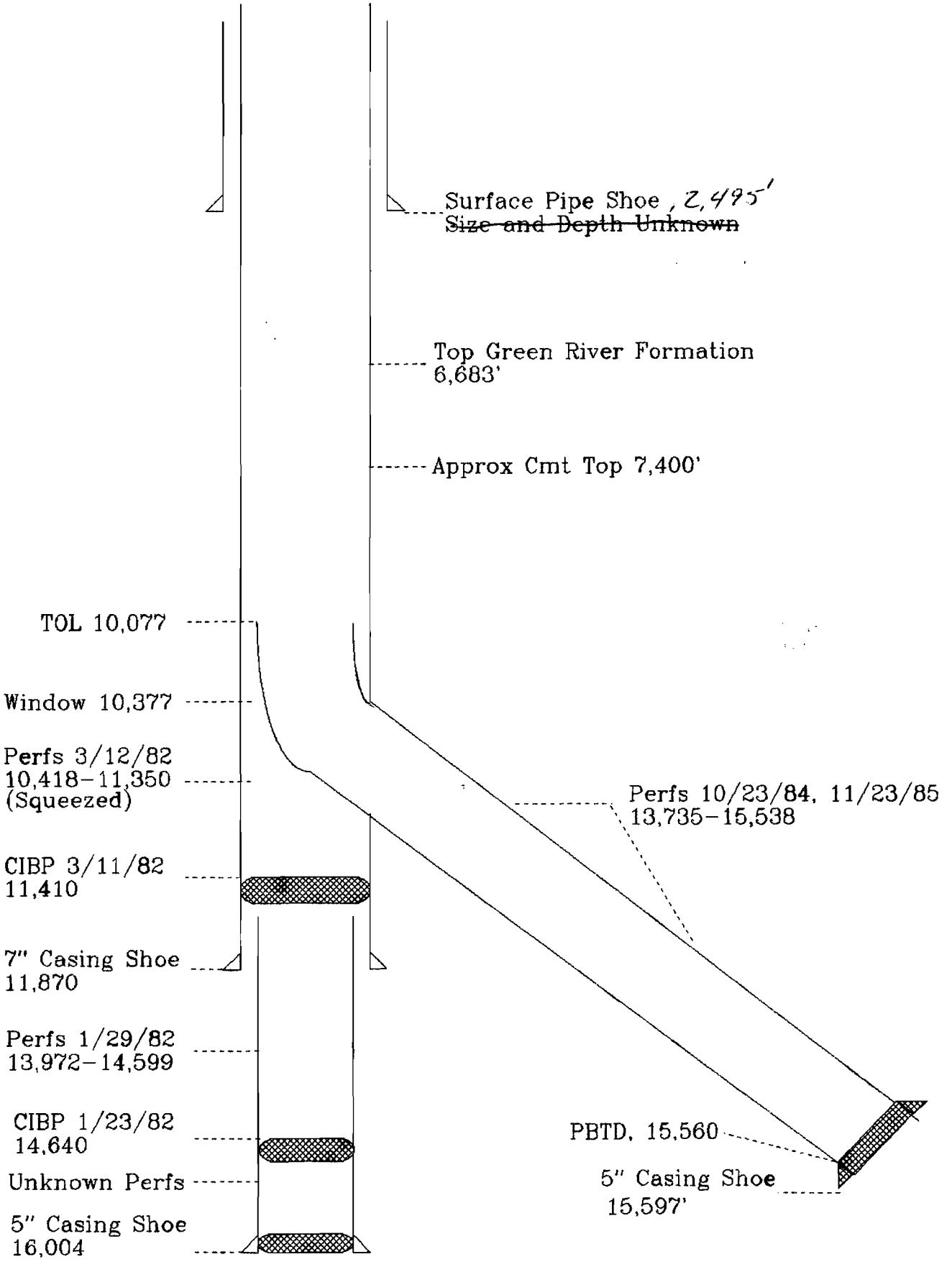
(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Helen Larson 2-05A1

Wellbore Diagram



SURFACE RESTORATION AGREEMENT
February 14, 1989

This agreement, by and between Orven J. Moon and Delphia N. Moon, of Neola, Utah, hereinafter referred to as MOON, and Linmar Petroleum Company, of 83 South Main Street, Roosevelt, Utah, hereinafter referred to as LINMAR, provides for full and final settlement of surface damages pertaining LINMAR's operation of the Helen Larson 2-05A1 oilwell, located in the NW1/4 of Section 5 - Township 1 South - Range 1 West, Uintah Special Base and Meridian, Duchesne County, Utah.

For and in consideration of the amount of Eight Thousand Dollars ($8,000.00), in hand paid by LINMAR to MOON, the receipt and sufficiency of which is hereby acknowledged, MOON agrees to hold LINMAR harmless for any damages done to land of MOON, prior to the date of this agreement and related to the construction, operation, and abandonment of the subject well.

MOON agrees that LINMAR is to be allowed to remove equipment suitable for its operations elsewhere, until and including August 1, 1989. Any equipment remaining after that date is to be the sole property and liability of MOON, to be used or disposed of at the sole discretion, cost, and benefit of MOON.

LINMAR agrees to leave, at minimum, two 2,000 barrel bolted tanks, surface lines from the Tank Battery to the Well, and the load pump.

MOON agrees that LINMAR may leave any other equipment or materials that LINMAR does not wish to remove.

MOON agrees to accept all obligations for surface restoration of the subject lands, previously agreed to by LINMAR, either directly, by assignment, or by regulation.

The terms, conditions and provisions of this Agreement shall be binding upon and inure to the benefit of the parties hereto and their respective heirs, personal representatives, successors and assigns.

IN WITNESS WHEREOF, the parties hereto have executed this agreement, this Fourteenth day of February, 1989.

LINMAR PETROLEUM COMPANY

by Douglas G. Howard
Douglas G. Howard
Division Engineer

Orven J. Moon

Orven J. Moon

Delphia N. Moon

Delphia N. Moon

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL - UIC FORM 1

OPERATOR CHRIS DENVER
ADDRESS P.O. Box 85
Roosevelt, Utah 84066

Well name and number: HELEN LARSON 2-5-A1

Field or Unit name: Altamont-Bluebell Field Lease no. _____

Well location: QQ _____ section 5 township 1S range 1W county Duchesne

Is this application for expansion of an existing project? . . Yes [] No [X]

Will the proposed well be used for: Enhanced Recovery? . . Yes [] No [X]
Disposal? . . . . . Yes [X] No []
Storage? . . . . . Yes [] No [X]

Is this application for a new well to be drilled? . . . . . Yes [] No [X]

If this application is for an existing well,
has a casing test been performed on the well? . . . . . Yes [X] No []
Date of test: March 6, 1982 & December 2, 1988
API number: _____

Proposed injection interval: from 9200' to 9500'

Proposed maximum injection: rate 3000 BPD pressure 2500 psig

Proposed injection zone contains [] oil, [] gas, and/or [] fresh water within ½ mile of the well.

IMPORTANT: Additional information as required by R615-5-2 should accompany this form.

List of Attachments: _____

I certify that this report is true and complete to the best of my knowledge.

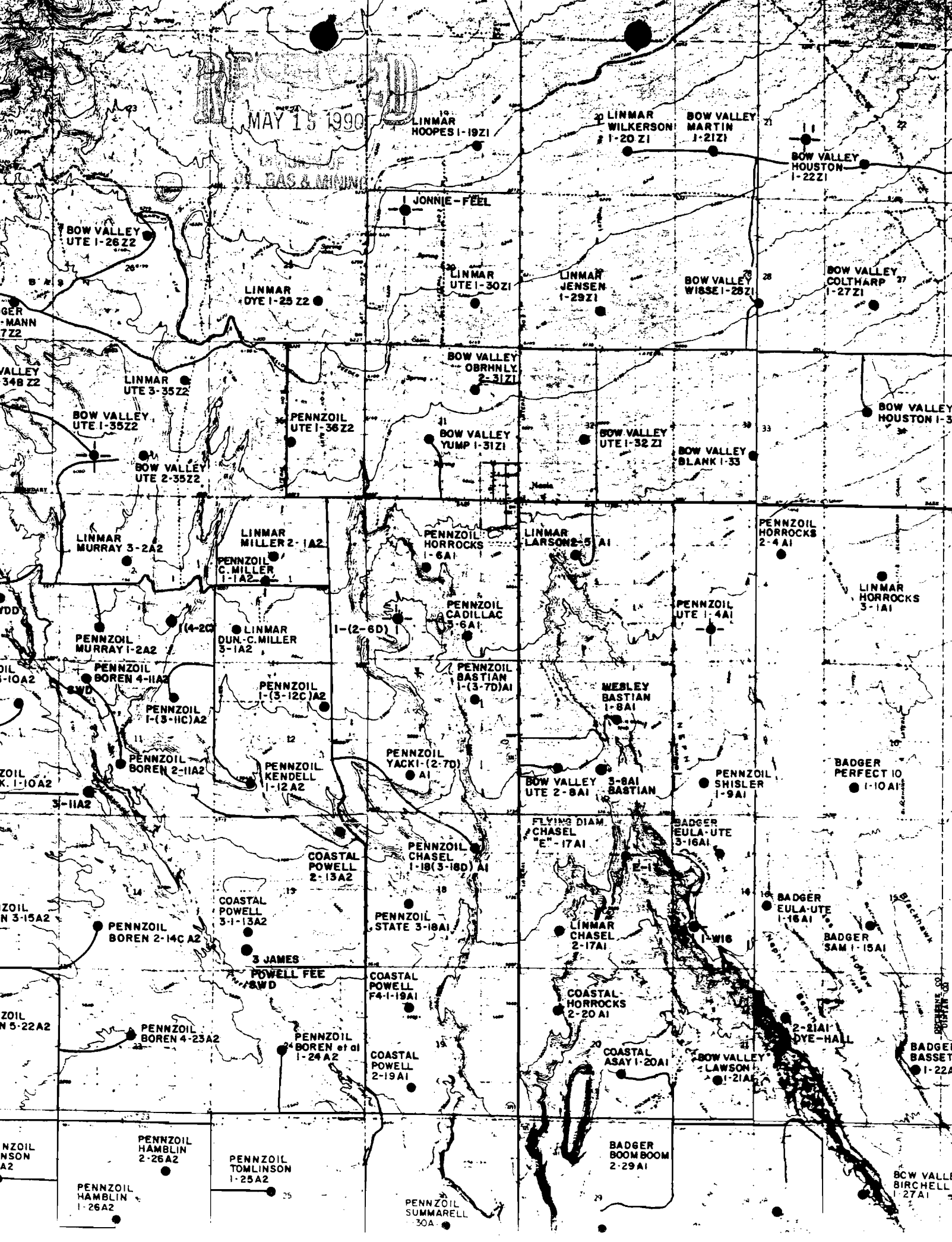
Name Chris Denver Signature Chris Denver
Title Operator Date May 4-1990
Phone No. ( )

(State use only)
Application approved by _____ Title _____
Approval Date _____

Comments:

(3/89)

RECEIVED
MAY 15 1990
DIVISION OF
OIL, GAS & MINING



RECEIVED
MAY 09 1990
DIVISION OF
OIL, GAS & MINING

May 8, 1990

Gil Hunt
Division of Oil, Gas & Mining

Dear Gil:

Enclosed you will find the additional information required concerning the application for the HELEN-LARSEN 2-5-A1.

If you have any questions please give me a call.

I called the EPA in Denver and they are sending me the application and paperwork for the disposal proposal. Those guys sure do not like the State people do they?

I set down with the Tribe Yesterday and BIA and discussed the EPA, State Division of Oil, Gas problem concerning the disposal problems. I think we are making some effort and progress.

Sincerely,

Chris Denver

May 8, 1990

State of Utah Division of Oil, Gas, & Mining
Attention: Gil Hunt
Salt Lake City, Utah

R615-5-2

2.1 A plat showing the location of the injection well, all abandoned active wells within a one-half mile radius of the proposed well, Helen-Larson 2-5-A1. Enclosed is a copy of that plat.

2.2 Copies of electrical or radioactive logs, including gamma ray logs, for the proposed well run prior to the installation of casing and indicating resistivity, spontaneous potential, caliper, and porosity; I indicate that this information is on file at the State Oil and gas records office. Records are found under the name of HELEN LARSON 1-5-A1 and HELEN LARSON 2-5-A1.

2.3 A copy of a cement bond or comparable log run for the proposed disposal well after casing was set and cemented: The casing is already in place and a copy of the cement bond is on file at the State Oil and gas records office. This information is on file found under the name of HELEN LARSON 1-5-A1 and HELEN LARSON 2-5-A1.

2.4 Copies of logs already on file with the Division should be referenced, but need not be refiled. Copies of Logs have been looked at by myself and are on file with the record office at the State of Utah Oil and gas.

2.5 A description of the casing or proposed casing program of the disposal well and of the proposed method for testing the casing before use of the well. A description of the casing consists of 7 inch casing already on site down hole. The method used for testing the casing before use of the well, would be followed under the direction of the State guidelines.

2.6 A statement as to the type of fluid to be used for injection, its source and estimated amounts to be injected daily; The type of fluid is salt water from local Oil and gas wells that is obtained from the Oil Companies, service companies or water disposal companies. The source and estimated amounts would be water trucks that Oil companies hire, and estimated amounts of water from these trucks would amount to approximately 3,000 per day.

2.7 Standard laboratory analyses of (1) the fluid to be injected, (2) the fluid in the formation into which the fluid is being injected and (3) the compatibility of the fluids.
The record office has on file laboratory analyses of disposal water in the Altamont-Bluebell field. I am not injecting water for purposes of enhancing production for another well in the area.

2.8 The proposed average and maximum injection pressures: I propose to maintain an average PSIG of 2,500 maximum injection pressure.

2.9 Evidence and data to support a finding that the proposed injection well will not initiate fractures through the overlying strata or a confining interval that could enable the injected fluid or formation fluid to enter the fresh water strata; The State Division of Oil and Gas records office has on file other disposal wells that are injecting salt water into the injection intervals that I propose to inject water disposal fluids. This has not entered the fresh water strata; I do not think that water disposed at a 2,500 maximum injection pressure would fracture through the overlying strata or enter fresh water starat at 9,000 to 9,500 feet deep.

2.10 Appropriate geological data on the injection interval and confining beds, including the geologic name, lithologic description, thickness, depth, and lateral extent; This information is on file with the record office at the State of Utah Division, Oil, gas and Mining. The representatives of the Division is aware of the geologic name.

2.11 A review of the mechanical condition of each well within a one-half mile radius of the proposed injection well to assure that no conduit exists that could enable fluids to migrate up or down the wellbore and enter improper intervals; The wells located in the area are as far as I know more than one-half a mile away from the HELEN LARSEN 2-5-A1. Due to the wells being more than one-half mile away then this rule would not apply.

2.12 An affidavit certifying that a copy of the application has been provided to all operators, owners, and surface owners within one-half mile radius of the proposed injection well; There are no operators operating within one half mile of this well.

well perforators inc.

O.W.P.

ACOUSTIC CEMENT BOND–GAMMA RAY LOG

COMPANY LINMAR ENERGY
WELL HELEN LARSON 2-5A1
FIELD BLUEBELL
County DUCHESNE
State UTAH
File

COMPANY LINMAR ENERGY CORPORATION
WELL HELEN LARSON 2-5-A1
FIELD BLUEBELL
COUNTY DUCHESNE STATE UTAH

Location
Sec. 5 Twp. 1S Rge. 1W

Other Logs

Elevation
KB. 5993'
DF.
GL. 5966'

Permanent Datum GROUND LEVEL Elev. 5966'
Log Measured From K.B. OR 27' ABOVE GROUND LEVEL
Drilling Measured From KELLY BUSHING

Type Log	CBL-GR			
Run No.	ONE			
Date	10-18-84			
Total Depth Driller	15600'			
Present Depth Driller	15560'			
Total Depth O.W.P.	15567'			
Survey Begins	7000'			
Survey Ends	15564'			
Truck No.	530			
Location	VERNAL			
Type Fluid in Hole	WATER			
Salinity PPM Cl				
Weight lb./gal.				
Fluid Level	FULL			
Max. Hole Temp.	234°			
Recorded By	MATHESON			
Witnessed By				

RECEIVED
OCT 23 1984
DIVISION OF OIL GAS & MINING

BORE HOLE RECORD				CASING RECORD			
Run	Bit	From	To	Size	Wgt.	From	To
				7"		SURFACE	10337'
				5"	18#	10999'	T.D.

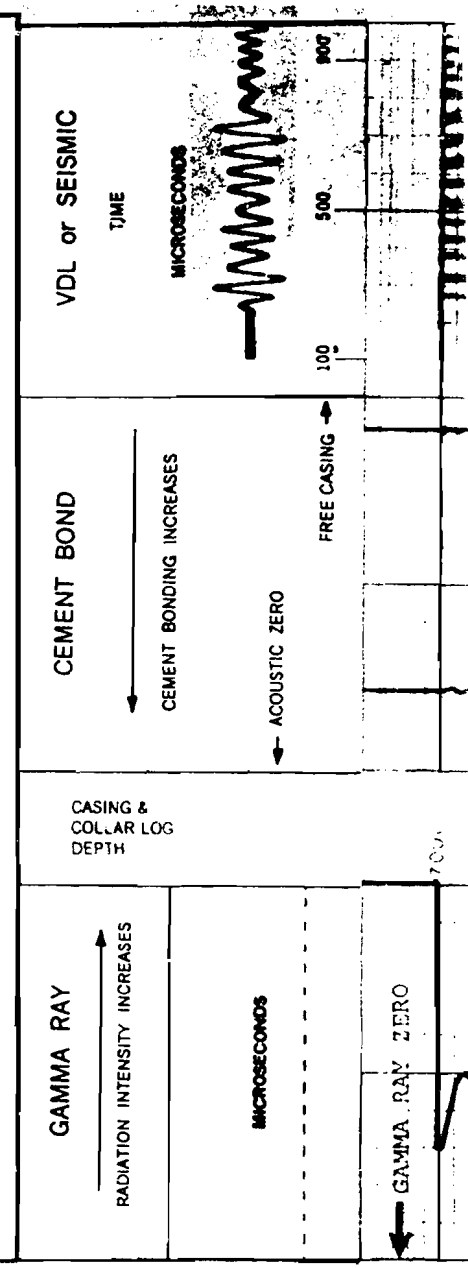
LOGGING TOOL DATA

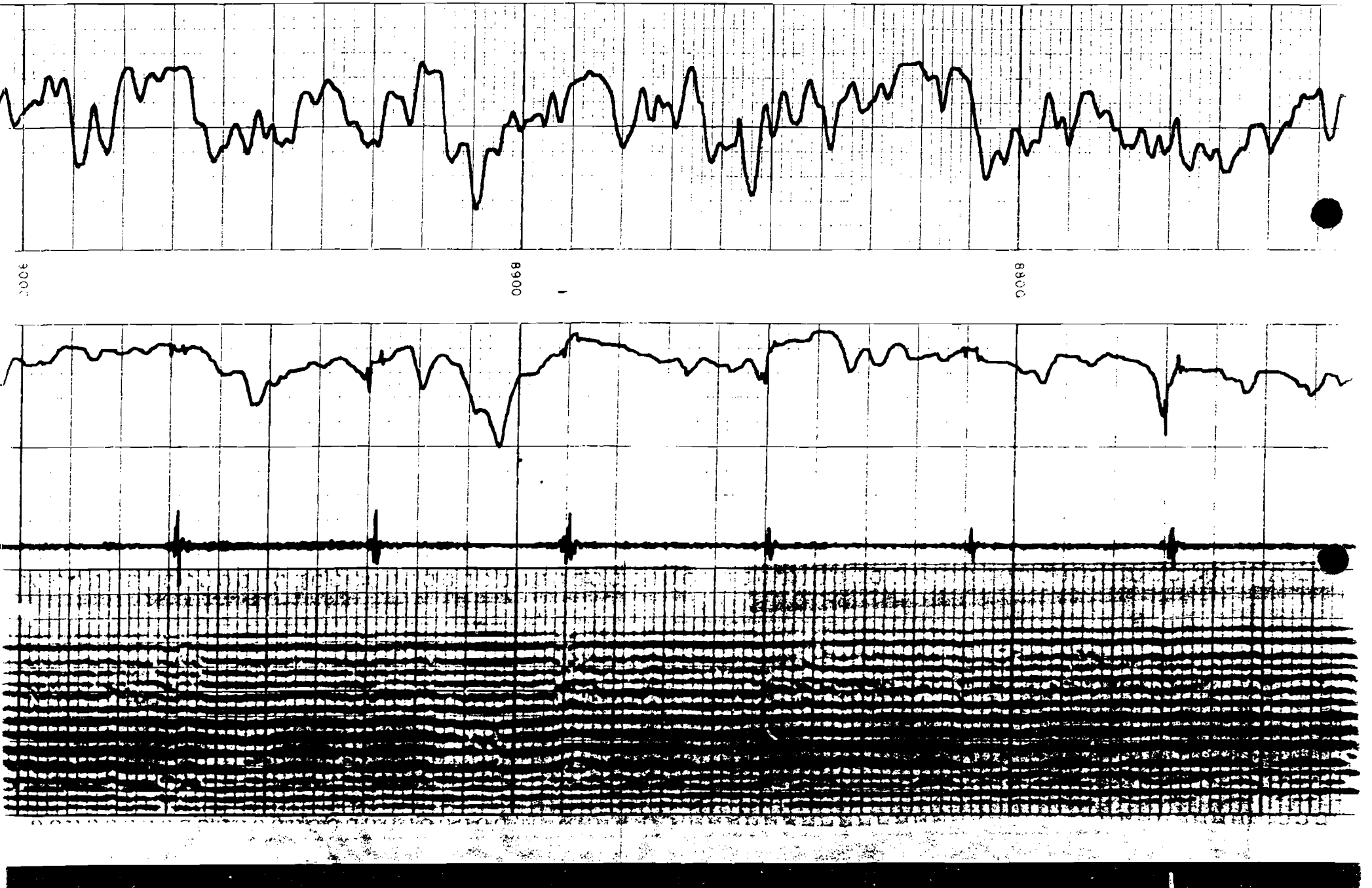
Truck No. 530 Inst. Truck No. Tool Serial No. 9
GAMMA RAY CEMENT BOND
Tool Model No. 10GS Dia. 3.125" Log Type ACOUSTIC
Detector Model No. Tool Model No. 10GS Dia. 3.375"
Type SCINTILLATION Length 4' Detector Model No.
Distance To Bond Ref. 7' Free Casing = 10 API Div.
Spacing 3'

LOGGING DATA

Depth From	Depth To	Speed Ft./min	T.C. Sec.	Gamma Ray Sensitivity	Gamma Ray Zero	Gamma Ray Setting	Gamma Ray Scale	T.C. Sec.	Bond Setting Sensitivity	Bond Setting Zero	Bond Setting Scale
7000'	15564	30	2	522	SEE LOG	CORRELATION			GAIN	DELAY	
									7"-318	560	
									5"-306	456	

Calibration Data
CEMENTING DATA & REMARKS:

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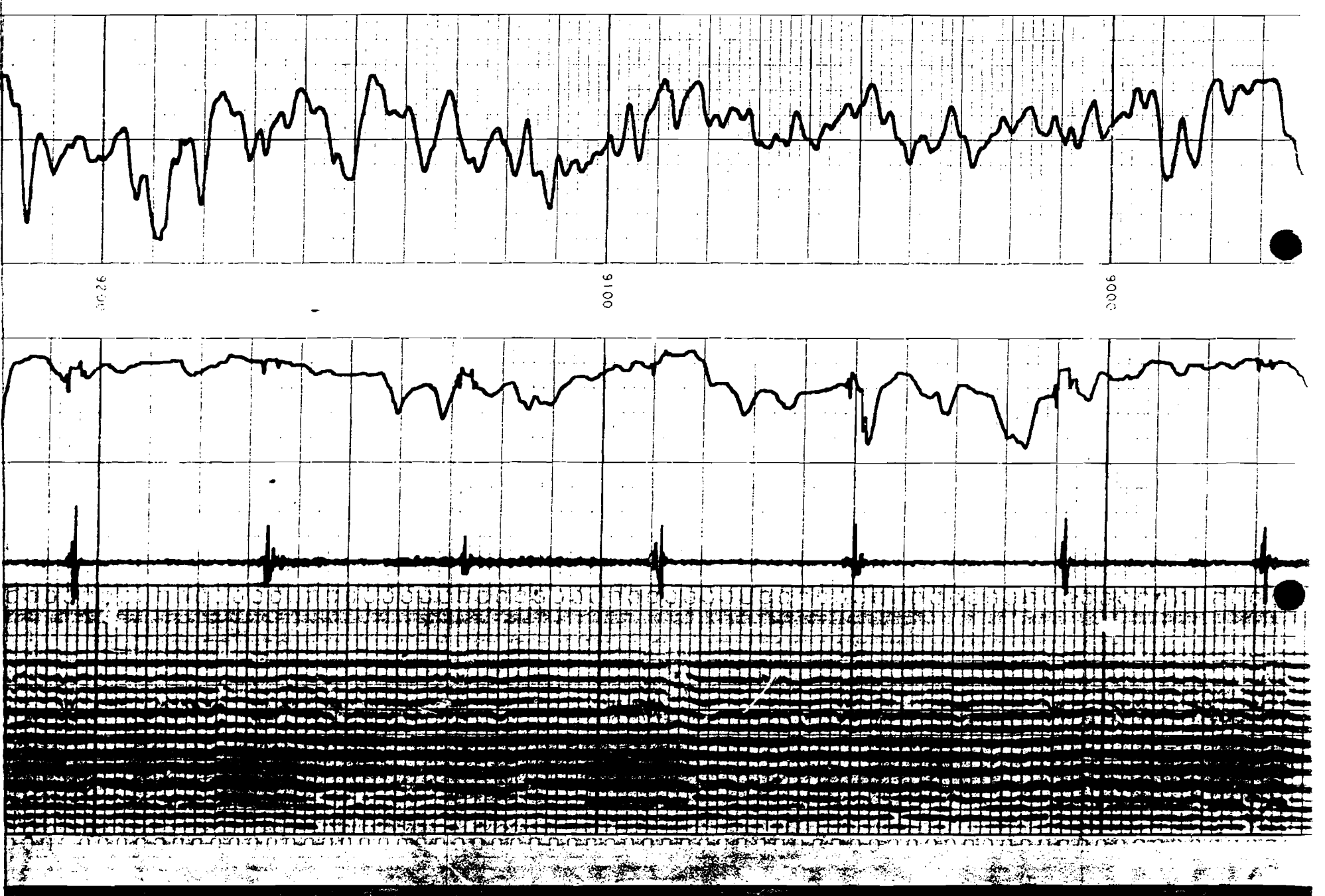
8800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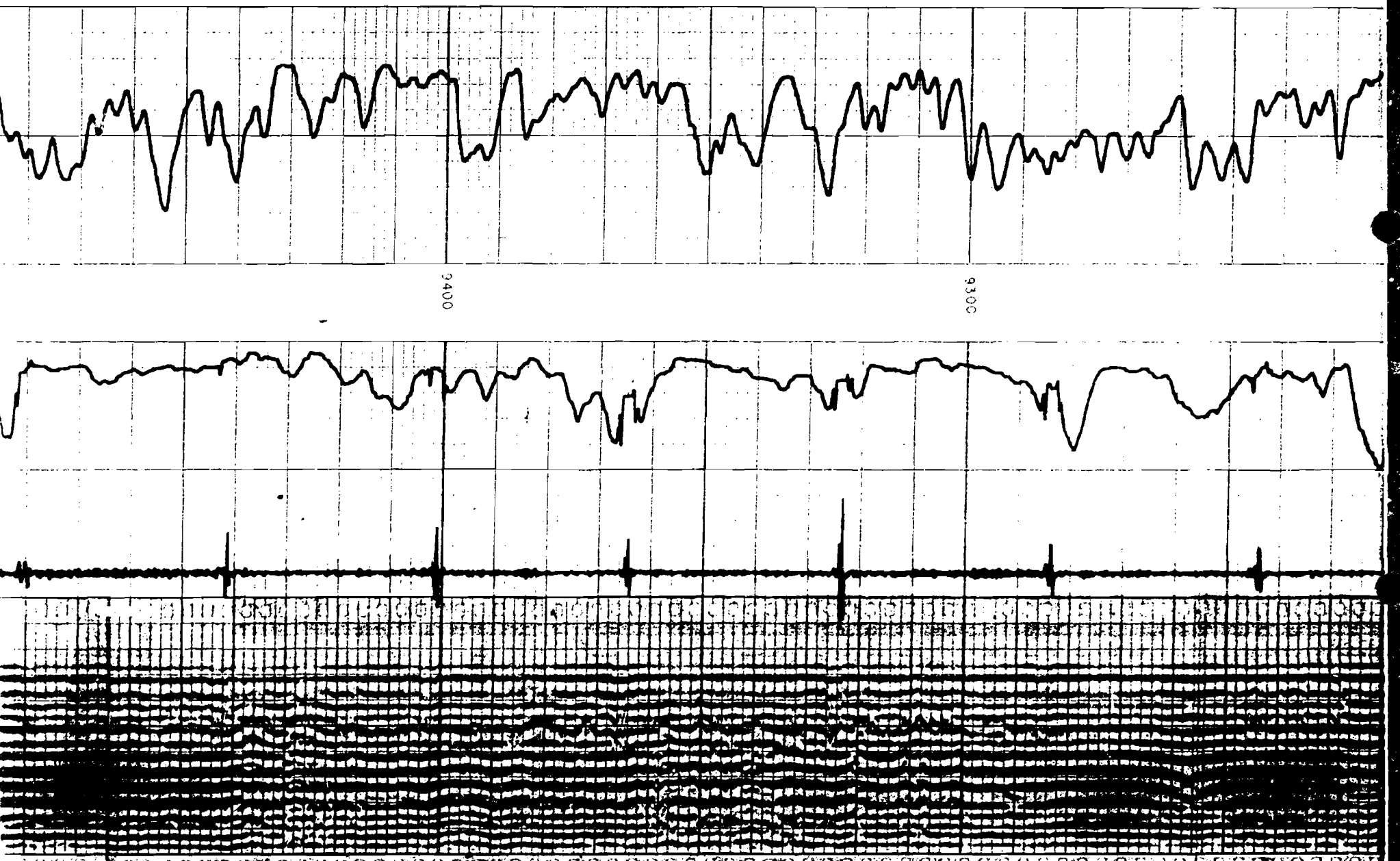
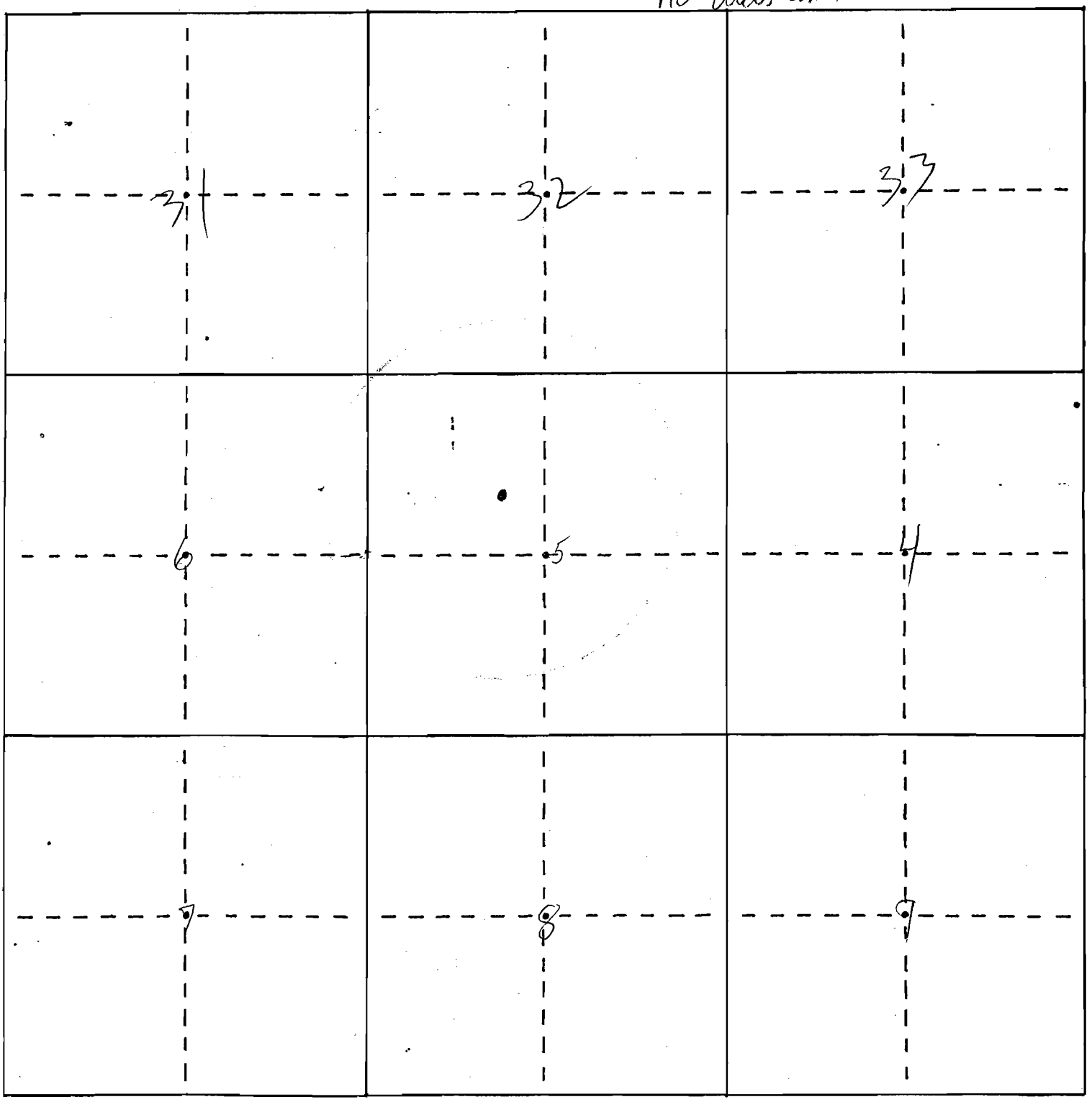

9400
9300

Operator Chris Denver

Well Helen LARSON 2-5-A1

Location sec 5, Township 1 South, RANG 1 West
Duchesne County, Utah

no wells in AOR



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2405

Ref: 8WM-Dw

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Chris Denver
P. O. Box 85
Roosevelt, Utah 84066

RE: UNDERGROUND INJECTION CONTROL (UIC)
Permit Application
Helen Larson 2-05A1
EPA Permit #UT2538-02701
Duchesne County, Utah

Dear Mr. Denver:

To facilitate the completion of the draft permit, on the referenced salt water disposal well, the following information, not included in your permit application, is required.

1. Footage location. -(Location of well in feet From Corner Lines)

2. P & A Plan (see enclosed EPA Form 7520-14), a written description of your P&A plan, and a detailed schematic diagram of the P&A Plan, similar to the enclosed written plan and schematic diagram.

3. Are there any water wells in the 1/4-mile area-of-review? Pick this up from Natural Resources:

Disregard This portion write No Exemption

4. Why do you request an aquifer exemption for Upper Green River Formation "aquifers (injection intervals)", as noted in Exhibit 4-A? Item 6, "Application for Produced Water Disposal, Helen Larson 2-05A1", is a request for an aquifer exemption "for those zones above the Green River and Wasatch that are involved in the Altamont-Bluebell oil field." Please explain comments in Exhibit 4A and Item 6.

5. You state that a letter to the surface owner has been written. Please send a copy of that letter to me.

6. Please submit your financial responsibility demonstration. The draft permit will not be complete without this document.

(Electric Log:) 7. Please identify the known USDWs, their tops, thickness and total dissolved solids content. - Mark All Exist. Above the 2,460 Depth

? ASK USDW

from top to 8300 (2,460 - Depth to Bottom USDW's NO US)

Underground source of Drinking Water: get from the state:

5,960 - 30-day Period

Elevation Base USDW 3,500 - USDW Technical Publication #92

Electric Log 1-SA1 — same well — sonitic log

Electric Log: From 0-to 8,000 feet

8. Your application data, Exhibits 2A and 2C, do not identify shallow, or deep (?), USDWs, as noted in Exhibit 4A. Identify on the Log.

9. Item 3, in your letter to Gil Hunt, of May 30, 1990; Exhibit 12A is not included in (at least, not identified as such) the permit application packet. When submitting these water analyses, please identify injected water analyses, and injection zone water analyses.

Look for Exhibit 12A

K psi Fracture? Gradient? Cavile Company might know!

10. Item 4, in your May 30, 1990 letter to Gil Hunt states that Exhibit 13A (Is this the Linmar-Horrocks 1-4-A1 mud log?) supports a sand face fracture gradient of 0.85 psi/ft. Please support your request of 0.85 psi/ft with documentation. That documentation does not appear in the mud log. LINMAR: (Shut-in Pressures) Step Rate Tests: USE

11. The wellbore diagram, Exhibit 11A, needs additional information on:

Show were cement is: ...

(a) The original hole: (need Bond Log)

(1) Annular cement (sacks and tops of cement, and how determined). Exhibit 11A shows cement to surface between the surface casing and the 7 inch longstring. WHAT ABOUT CEMENT ON THE BACKSIDE OF THE SURFACE CASING? Is there Cement on the Backside of Casing.

on the Diagram

Draw this on the wellbore hole schematic

(2) Describe "unknown perfs" as identified on the Wellbore Diagram, Exhibit 11A. (Linmar might know)?

Packer were located about 75 feet above perfs:

(b) The sidetrack hole: (Where is the Cement on this, Side Track? Borehole How does the Cement Run!

(1) Annular cement on backside of 5 (?) inch casing? Top of cement and how determined.

12. There is no mention of tubing size to be run in the disposal well. (2 7/8 or 2 3/8) - what ever I decide:

If you have any questions as to the above request for additional data, you may call me at (303) 293-1436. Please send the requested data to "ATTENTION: EMMETT SCHMITZ" citing "MAIL CODE: 8WM-DW" very prominently.

UIC Implementation Section - 8WM-DW

* (13) Ask the EPA for the maximum perfs - from maybe 8,500 to 9,300

Sincerely,

Emmett Schmitz
Environmental Assistant

Enclosures

Send letter
(1) Draft Permit

(where is the suspected water zone? 1-SA1)

Fract gradient
Injection Pressure Can't → Exceed:

(Sept. 9-to 18th Emmett)

4A

APPLICATION FOR
PRODUCED WATER DISPOSAL
HELEN LARSON 2-05A1
SECTION 5, T1S,R1W
DUCHESNE COUNTY, UTAH

Chris Denver respectfully requests that the aquifers (injection intervals), noted on the attached Dual induction - SFL, with linear correlation log, see exhibit 2A, further defined in Exhibit 2C.

These aquifers should be extempted for the following reasons:

1. They do not currently serve as a source of drinking water.

2. They cannot now and will not in the future serve as a source of drinking water because they are situated at a depth and location which makes recovery of water for drinking purposes economically and technically impractical. The estimated cost of drilling and constructing related surface facilities is $1,050,000.00 for this well. Similar costs would be anticipated for a water supply well and does not include the cost of equipment to treat the water to meet drinking water standards.

3. I would assume that the total dissolved solids content of the water in these aquifers will exceed 3200 and may exceed 10,100 milligrams per liter and it is not reasonable to supply a public water system nor would it be prudent for use as a supply source for agricultural purposes.

4. The injection depth is equal to the lowest depth of water injected in the Altamont-Bluebell field. There are other disposal wells that are disposing of water at a closer depth to the surface than what I am proposing at this time. Pennzoil Oil company would be one good example. They are operating a Salt-water disposal well and injecting at a depth closer to the surface than this proposed well.

10A

NOTICE OF INTENT TO CONSTRUCT

I Chris Denver certify this notice to construct a salt water disposal well located as follows:

TOWNSHIP 1 SOUTH, RANGE 1 WEST

Section 5: HELEN LARSON 2-5A1,
DUCHESNE COUNTY, UTAH

MAIL LIST

Orven J. Moon & Delphia N. Moon Neola, Utah 84053	LandOwner
Richard Larsen American Savings Building 300 North University Ave. Provo, Utah 84061	Mineral Owner

10A

APPLICATION FOR
PRODUCED WATER DISPOSAL
HELEN LARSON 2-05A1
SECTION 5, T1S,R1W
DUCHESNE COUNTY, UTAH

ABSTRACTS, RECORDS, AND DOCUMENTS EXAMINED:

Lands involved: TRACT NO. 1 Section 5: N1/2NE1/4SE1/4 (Containing 20.00 Acres)

Lessor's (Royalty) Interest:

Carl R. Mitchell	.50 Acres
John Clyde Hacking and Cora B. Hacking, as joint tenants	.40 Acres
D. Blayne Morrill	.10 Acres

Lands involved: TRACT NO. 2 Section 5: Beginning at the SE corner of the NE1/4, thence North 76 rods; thence West 32 rods; thence South 76 rods; thence East 32 rods to point of beginning. (Containing 15.2 acres)

Lessor's (Royalty) Interest:

Leland M. Hayes & Melle Hayes	12.5 Acres
Faye Audrey Kimball Mitchell	1.38815 Acres
Alta Mae Kimball, Buddy Dean Kimball & Earl LaRance Kimball	36.11185 Acres
Lyle J. Larsen and Geneva Larsen, as joint tenants	25. Acres
John Clyde Hacking and Cora B. Hacking, as joint tenants	15. Acres
D. Blayne Morrill	10. Acres

APPLICATION FOR
PRODUCED WATER DISPOSAL
HELEN LARSON 2-05A1
SECTION 5, T1S,R1W
DUCHESNE COUNTY, UTAH

Lands involved: TRACT NO. 3 Section 5: SW1/4SE1/4
(Containing 40.00 acres)

Lessor's (Royalty) Interest:

Orlando Pace and/or Vera Pace	9.375 Acres
Farris Henrie and/or Irene Henrie	6.25 Acres
George E. Stewart	4.5375 Acres
Reese Vance and/or Iola L. Vance	.625 Acres
Ernest L. Snider and Mildred G. Snider	.3125 Acres
Elsie H. Snider	.3125 Acres
Dixie Anne M. Whitaker	.3125 Acres
Chas. H. Layton and/or Josephine G. Layton	1.25 Acres
E.L. Schenck	1.25 Acres
Hyde Mortensen Beth L. Mortensen	.3125 Acres
Hyde Mortensen	.3125 Acres
Florence G. Rockwood	1.5625 Acres
Ray Sprouse	9.8375 Acres
Fred J. Thomas and/or Lula C. Thomas	1.875 Acres
Steven J. Terry and/or Julia A. Terry	1.25 Acres
Gladys W. Christmas	1.25 Acres
Marrell F. Wilkins	9.375 Acres
Claud B. Hamill	13.750 Acres
Shell Oil Company	12.500 Acres
First Interstate Bank of Utah, Trustee of Thomas E. Jeremy Family Trust	.625 Acres
Covey Minerals Inc.	1.250 Acres
Croff Oil company	4.375 Acres

United Petroleum and Mining Corp.	6.250 Acres
J. S. Abercrombie	11.250 Acres

Lands Involved: TRACT 4: Section 5: N½SE¼SE¼ (Containing 20.00 Acres)

Lessor's (Royalty) Interest:

Rouel J. Henrie and Beverly B. Henrie	1.00 Acres
Francis Henrie and Irene Henrie	1.00 Acres

Lands Involved: TRACT 5: Section 5: S½NE¼SE¼ (Containing 20.00 Acres)

Lessor's (Royalty) Interest:

Farris Henrie and Irene Henrie	1.00 Acres

Lands Involved: TRACT 6: Section 5: S½SE¼SE¼ (Containing 20.00 Acres)

Lessor's (Royalty) Interest:

Robert O. Swain and Donna Swain	.50 Acres
Virginia B. Anderson; Owen Dale Anderson and Joyce Murdock.	.50 Acres

TRACT 7

Lands Involved:

Section 5: Beginning at the NW corner of the SE¼NE¼, thence S 80 rods, thence E 48 rods, thence N 76 rods, thence E 32 rods, then N 4 rods, thence W 80 rods to POB (Containing 24.8 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
Kenneth Oberhansley (apparently unleased)	$\frac{1}{8}$	x	$\frac{1}{3}$	x	$\frac{24.80}{661.44}$	=	0.0015622
Connie Bybee (See Comment 13)	$\frac{1}{5}$	x	$\frac{1}{3}$	x	$\frac{24.80}{661.44}$	=	0.0024996
William Kenneth Oberhansly, Sharie Michelle Oberhansly, and Jacqueline Monique Oberhansly, as tenants in common (See Comment 13)	$\frac{32}{100}$	x	$\frac{1}{3}$	x	$\frac{24.80}{661.44}$	=	0.0039993
Lessor's (Royalty) Interest Subtotal in Tract 7:							0.0080611

TRACT 8(A)

Lands Involved:

Section 5: SW¼ (EXCEPTING therefrom the following: Beginning at the NW corner of the SW¼ of said Section, thence S 20 rods, thence E 40 rods, thence N 20 rods, thence W 40 rods, to POB.) (Containing 155.00 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
John M. Yack (John M. Yack has life estate in the S½SW¼, and the remaindermen are: Frank Tony Yack, William Matt Yack, Lawrence Peter Yack, Edward James Yack, and Donald Martin Yack)	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=	0.0036615
Cathryn E. Yack, Gregory Lee Yack, and Kathy Marie Yack	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=	0.0036615
Joseph Yack (apparently deceased)	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=	0.0036615
William M. Yack and Augusta D. Yack, as trustees of the Augusta D. Yack Revocable Trust and the William M. Yack Revocable Trust, and William M. Yack, individually	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=	0.0036615
Lawrence P. Yack and Jennis Yack	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=	0.0036615
Thora Yack Trust and Frank Tony Yack Trust	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=	0.0036615
Edward J. Yack	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=	0.0036615
Donald M. Yack and Bernice Yack, as joint tenants	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=	0.0036615
Lessor's (Royalty) Interest Subtotal in Tract 8(A):							0.0292920

TRACT 8(B)

Lands Involved:

Section 5: Beginning at the NW corner of the SW¼ of Section 5, thence S 20 rods; thence E 40 rods; thence N 20 rods; thence W 40 rods to POB. (Containing 5.00 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
John M. Yack (See Comment 14)	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
Cathryn E. Yack, Gregory Lee Yack, and Kathy Marie Yack (See Comment 15)	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
Alreta Yack Larsen and Theodora A. Schuman, as Trustees (See Comment 16)	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
William M. Yack	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
Lawrence P. Yack and Jennis Yack (See Comment 14)	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
Frank Yack (See Comment 14)	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
Edward J. Yack (apparently unleased)	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001181
Donald M. Yack and Bernice Yack, as joint tenants (apparently unleased)	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001181
Lessor's (Royalty) Interest Subtotal in Tract 8(B)							0.0013696

TRACT 9

Lands Involved:

Section 5: Beginning 475.5 feet N of the SW corner of the NW¼ of Section 5; thence E 286 feet; thence S 223 feet; thence E 66 feet; thence S 247 feet; thence E 968 feet; thence N 76 rods; thence W 60 rods; thence S 8 rods; thence W 20 rods; thence S to point of beginning.

Also, beginning at a point N 395.5 feet from the SW corner of the NW¼ of Section 5, thence N 80 feet; thence E 286 feet; thence S 223 feet; thence S 89°00' W 137.5 feet; thence N 145.4 feet and W 148.5 feet to POB

(Containing 34.5 acres)

Lessor's (Royalty) Interest:					Net Revenue Interest
Richard Ford Larsen and Janette Larsen, as joint tenants	$\frac{1}{8}$	x $\frac{14.22474}{100}$	x $\frac{34.50}{661.44}$	=	0.0009274
Otto Dean Frandsen and Velma Dean Frandsen, as tenants in common	$\frac{1}{8}$	x $\frac{43.29001}{100}$	x $\frac{34.50}{661.44}$	=	0.0028224
Richard James Peterson and Kate D. Peterson, as tenants in common	$\frac{1}{8}$	x $\frac{42.48525}{100}$	x $\frac{34.50}{661.44}$	=	0.0027699
Lessor's (Royalty) Interest Subtotal in Tract 9:					0.0065197

TRACT 10

Lands Involved:

Section 5: Beginning at the SW corner of the NW¼ of Section 5, and running thence E 352 feet, thence N 247 feet, thence W 352 feet, thence S 247 feet, to POB. (Containing 1.99596 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
William M. Yack and/or Augusta D. Yack, as joint tenants	$\frac{1}{5}$	x	$\frac{1}{1}$	x	$\frac{1.99596}{661.44}$	= 0.0006035
Lessor's (Royalty) Interest Subtotal in Tract 10:						0.0006035

APPLICATION FOR
PRODUCED WATER DISPOSAL
HELEN LARSON 2-05A1
SECTION 5, T1S, R1W
DUCHESNE COUNTY, UTAH

Lessee's (Working) Interest:

Walker Energy	$\frac{4}{5}$	$\frac{85.77526}{100}$	x	$\frac{0.50625}{661.44}$	=	0.0005252
Linmar Energy Corporation	63.21062% of $\frac{80}{100}$	$\frac{14.22474}{100}$	x	$\frac{0.50625}{661.44}$	=	0.0000551
Moncor Energy Corporation	36.78938% of $\frac{80}{100}$	$\frac{14.22474}{100}$	x	$\frac{0.50625}{661.44}$	=	0.0000320
Lessee's (Working) Interest Subtotal in Tract 11:						0.0006123
TOTAL REVENUE INTEREST IN TRACT 11:						0.0007654

TRACT 12

Lands Involved:

Section 5: Beginning at a point which is 68 rods N of the SW corner of the SW¼NW¼ of Section 5, and running thence E 20 rods, thence N 8 rods, thence W 20 rods, thence S 8 rods to the place of beginning. (Containing 1.00 acre)

Lessor's (Royalty) Interest: Net Revenue Interest

Ray E. Jensen and/or Hattie Lou Jensen, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{1}$	x $\frac{1.00}{661.44}$	=	0.0002519
Lessor's (Royalty) Interest Subtotal in Tract 12:						0.0002519

TRACT 13

Lands Involved:

Section 5: Beginning at the NE corner of Lot 2, thence W 310 feet, thence S 281 feet, thence E 310 feet thence N 281 feet to POB. (Containing 2.00 acres)

Lessor's (Royalty) Interest: Net Revenue Interest

LaRae Rhoades	$\frac{1}{6}$	x	$\frac{1}{1}$	x $\frac{2.00}{661.44}$	=	0.0005039
Lessor's (Royalty) Interest Subtotal in Tract 13:						0.0005039

TRACT 14

Lands Involved:

APPLICATION FOR
PRODUCED WATER DISPOSAL
HELEN LARSON 2-05A1
SECTION 5, T1S,R1W
DUCHESNE COUNTY, UTAH

Section 5: NW¼SE¼, SW¼NE¼, and beginning at the NE Corner of Lot 2, thence W 44.5 rods, thence S 90 rods, thence E 44.5 rods, thence N 90 rods to beginning, excepting therefrom a parcel of land beginning at the NE corner of Lot 2, thence W 310 feet, thence S 281 feet, thence E 310 feet, thence S 281 feet to beginning. (Containing 103.03 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
Clarence Oberhansly	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Kenneth Oberhansly (apparently unleased)	$\frac{1}{8}$	x	$\frac{1}{27}$	x	$\frac{103.03}{661.44}$	=	0.0007211
Sharie Michelle Oberhansly, Jacqueline Monique Oberhansly, and William Kenneth Oberhansly (apparently minors)	$\frac{1}{6}$	x	$\frac{1}{27}$	x	$\frac{103.03}{661.44}$	=	0.0009615
Connie Bybee	$\frac{1}{6}$	x	$\frac{1}{27}$	x	$\frac{103.03}{661.44}$	=	0.0009615
Bernard Oberhansly and Phyliss Oberhansly for life, then to Robert D. Oberhansly and Lorraine O. Poulson, remaindermen	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Bliss Eldredge	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Hope McDaniel	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Emerson Oberhansly	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
LaRae Rhoades	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Elma Schultz	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Marilyn Snyder	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845

TRACT 15

Lands Involved:

Section 5: Beginning at the NE corner of Lot 4, thence S 180.5 feet, thence W 147.5 feet, thence N 180.5 feet, thence E 147.5 feet to the point of beginning. (Containing 0.6112 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
General Dairies, Inc.	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{0.6112}{661.44}$	=	0.0001540
Lessor's (Royalty) Interest Subtotal in Tract 15:							0.0001540

TRACT 16

Lands Involved:

Section 5: Beginning 303 feet W of the NE corner of Lot 4, thence W 195.5 feet, thence S 544 feet, thenc E 498.5 feet, thence N 364 feet, thence W 147.5 feet, thence N 7.5 fe thence W 136 feet, thence NW'ly to a point of beginning; and also beginni 147.5 feet W of the NE corner of Lot 4, thence S 173 feet, thence W 136 feet, thence NW'ly to a point 303 feet W of the NE corner of Lot 4 thence E 155.5 feet to the POB. (Containing 5.61433 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
Wayne Bastian and/or Jean Bastian, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{5.61433}{661.44}$	=	0.0014147
Lessor's (Royalty) Interest Subtotal in Tract 16:							0.0014147

TRACT 17

Lands Involved:

Section 5: Beginning 241 feet E of the NW corner of Lot 4, and runnir thence E 580.5 feet, thence S 402.8 feet, thence W 580.5 feet, thence N 402.8 feet, to the POB. (Containing 5.37 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
Wanda B. Riggle	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{5.37}{661.44}$	=	0.0013531
Lessor's (Royalty) Interest Subtotal in Tract 17:							0.0013531

TRACT 18

Lands Involved: Section 5: Beginning at the NW corner of Lot 4, and running thence E 241 feet, thence S 220 feet, then W 241 feet, thence N 220 feet to PO (Containing 1.22 acres)

Lessor's (Royalty) Interest:						Net Revenue Interes
Bernice Violet Nelson (See Comment 17)	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{1.22}{661.44}$	= 0.0003074
Lessor's (Royalty Interest Subtotal in Tract 18:						0.0003074

TRACT 19

Lands Involved: Section 5: Beginning 220 feet Sout from the NW corner of Lot 4, thence E 241 feet, thence S 187 feet, then W 241 feet, thence N 187 feet to PO (Containing 1.0346 acres)

Lessor's (Royalty) Interest:						Net Revenue Intere
Rose Malnar (apparently also known as Rose Malnar Butler)	$\frac{1}{5}$	x	$\frac{1}{1}$	x	$\frac{1.0346}{661.44}$	= 0.0003128
Lessor's (Royalty) Interest Subtotal in Tract 19:						0.0003128

TRACT 20

Lands Involved: Section 5: Beginning 407 feet South of the NW corner of Lot 4, thence E 223 feet, thence South 87 feet, thenc W 223 feet, thence N 87 feet to POB. (Containing 0.45 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
Loyd M. Zager and/or Nadine W. Zager, as joint tenants	$\frac{1}{5}$	x	$\frac{1}{1}$	x	$\frac{0.45}{661.44}$	= 0.0001360
Lessor's (Royalty) Interest Subtotal in Tract 20:						0.0001360

Lessor's (Royalty) Interest:						Net Revenue Interest
Zola Spencer and Orlo K. Spencer, as joint tenants, for life, then to Rawlin Dee Spencer and Barbara Keen Spencer, as joint tenants, remaindermen	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{4.1937}{661.44}$	= 0.0010567
Lessor's (Royalty) Interest Subtotal in Tract 21:						0.0010567

TRACT 21

Lands Involved: Section 5: Beginning 442 feet East and 407 feet South of the NW corner of Section 5, thence E 379.5 feet, thence S 140 feet, thence E 495 feet, thence S 155 feet, thence W 754.5 fee: thence N 50 feet, thence W 120 feet, thence N 245 feet to POB. (Containing 4.1937 acres)

TRACT 22

Lands Involved:

Section 5: Beginning 494 feet S of the NW corner of Lot 4, thence S 100 feet, thence E 446 feet, thence N 187 feet, thence W 223 feet, thence S 87 feet, thence W 223 feet to POB. (Containing 1.4693 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
Zola Spencer and Orlo K. Spencer, as joint tenants, for life, then to Sheldon J. Spencer and Sandra J. Spencer, as joint tenants, remaindermen	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{1.4693}{661.44}$	= 0.0003702
Lessor's (Royalty) Interest Subtotal in Tract 22:						0.0003702

TRACT 24

Lands Involved:

Section 5: Beginning at a point 659 feet S and 446 feet E of the NW corne of Section 5, thence E 128 feet, thence S 50 feet, thence E 753 feet, thence S 334 feet, thence W 881 feet thence N 384.5 feet to POB. (Containing 6.91 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
Alma Glenn Pratt and/or Barbara B. Pratt, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{6.91}{661.44}$	= 0.0017411
Lessor's (Royalty) Interest Subtotal in Tract 24:						0.0017411

TRACT 23

Lands Involved:

Section 5: Beginning 594 feet S of the NW corner of Lot 4, thence E 446 feet, thence S 187 feet, thence W 446 feet, thence N 187 feet, to POI Also, beginning 781 feet S of the NW corner of Lot 4, thence E 446 feet, thence S 187 feet, thence W 446 feet, thence N 187 feet to POB. (Containing 3.84 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
Zora M. Gardner	$\frac{1}{6}$	x	$\frac{1}{2}$	x	$\frac{3.84}{661.44}$	=	0.0004837
Everett Daniels and/or Prudy M. Daniels, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{2}$	x	$\frac{3.84}{661.44}$	=	0.0004837
Lessor's (Royalty) Interest Subtotal in Tract 23:							0.0009674

TRACT 25

Lands Involved:

Section 5: Beginning 1038 feet S and 446 feet E of the NW corner of Section 5, thence S 153 feet, thence E 300 feet, thence N 153 feet, thence W 300 feet to the point of beginning. (Containing 1.05 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
David K. DeWeese and Joanie J. DeWeese, as joint tenants (formerly interest of Lewis R. Mitchell and Ilene Mitchell)	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{1.05}{661.44}$	= 0.0002645
Lessor's (Royalty) Interest Subtotal in Tract 25:						0.0002645

TRACT 26

Lands Involved:

Section 5: Beginning at a point 82 feet N of the SE corner of the NW¼NW¼ of Section 5, and running thence W 874 feet, thence N 222 feet, thence E 300 feet, thence N 153 feet, thence E 574 feet, thence S 375 feet to POB.
(Containing 6.37 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
Bernice Violet Nelson, Kent P. Nelson, Diane N. Babcock, and Richard O. Nelson (See Comments 17, 18, & 19)	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{6.37}{661.44}$	= 0.0016050
Lessor's (Royalty) Interest Subtotal in Tract 26:						0.0016050

TRACT 27

Lands Involved:

Section 5: Beginning 968 feet S of the NW corner of the NW¼NW¼, thence E 446 feet, thence S 433 feet, thence W 446 feet, thence N 433 feet, excepting therefrom the following par Beginning 968 feet S of the NW corner of the NW¼NW¼, thence E 195 feet, the S 155 feet, thence W 195 feet, thence N 155 feet to beginning.
Also, beginning 86 rods N of the SE corner of the SW¼NW¼, thence W 1068 f thence S 10 rods, thence E 1068 ft, thence N 10 rods to beginning.
Also, beginning at a point 86 rods N and 1068 feet W of the SE corner of the SW¼NW¼ of Section 5, thence W 120 ft, thence S 165 ft, thence E 120 ft, thence N 165 feet to POB.
(Containing 8.14 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
William D. Mitchell and/or Marguerite Mitchell, as joint tenants (Lease is from Marguerite Mitchell only)	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{8.14}{661.44}$	= 0.0020510
Lessor's (Royalty) Interest Subtotal in Tract 27:						0.0020510

TRACT 29

Lands Involved:

Section 5: Beginning 968 feet S of the NW corner of the NW¼NW¼ of Section 5, thence E 195 feet, thence S 155 feet, thence W 195 feet thence N 155 feet to the POB. (Containing 0.69 acre)

Lessor's (Royalty) Interest:						Net Revenue Interes
Ralph L. Harris and Anna Mae Harris, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{1}$	x $\frac{0.69}{661.44}$	=	0.0001738
Lessor's (Royalty) Interest Subtotal in Tract 29:						0.0001738

TRACT 28

Lands Involved:

Section 5: Beginning 86 rods N of the SW corner of the NW¼ of Sec. 5, and running thence E 132 feet, thence S 165 feet, thence W 132 feet, thence N 165 feet to the point of beginning. (Containing 0.50 acre)

Lessor's (Royalty) Interest:						Net Revenue Interest
Richard M. Pierson and/or Genevie Pierson, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{1}$	x $\frac{0.50}{661.44}$	=	0.0001260
Lessor's (Royalty) Interest Subtotal in Tract 28:						0.0001260

TRACT 30

Lands Involved:

Section 5: Beginning at the NE corne of Lot 1, thence W 83 feet, thence S 33 feet, thence E 50 feet, thence S 100 feet, thence E 33 feet, thence N 133 feet to POB.

Beginning at a point 33 feet W and 33 feet S of the NE corner of Lot 1, and running thence W 50 feet, thence S 100 feet, thence E 50 feet, thence N 100 feet to POB.

Beginning at a point 83 feet W of the NE corner of Lot 1, and running thenc W 461.5 feet, thence S 12.5 rods, thence E 544.5 feet, thence N 73.25 feet, thence W 83 feet, thence N 133 feet to POB.
(Containing 2.58 acres)

Lessor's (Royalty) Interest:							Net Revenue Interes
Jay Larsen, deceased (See Comment 20)	$\frac{20}{100}$	x	$\frac{1}{2}$	x	$\frac{2.58}{661.44}$	=	0.0003900
Helen Larsen (See Comment 20)	$\frac{20}{100}$	x	$\frac{1}{2}$	x	$\frac{2.58}{661.44}$	=	0.0003900
Lessor's (Royalty) Interest Subtotal in Tract 30:							0.0007800

TRACT 32

Lands Involved:

Section 5: Beginning at a point 574.5 feet W of the NE Corner of Lot 1, running thence S 12.5 rods, thence W 166.25 ft., thence N 12.5 rods, thence E 166.25 ft to POB. (Containing 0.78717 acre)

Lessor's (Royalty) Interest:		Net Revenue Interest
Lawrence E. Luck (Lease is from Dorothy Luck only)	$\frac{1}{6} \times \frac{1}{1} \times \frac{0.78717}{661.44}$	= 0.0001984
Lessor's (Royalty) Interest Subtotal in Tract 32:		0.0001984

TRACT 31

Lands Involved:

Section 5: Beginning at a point 33 rods W of the NE corner of Lot 1, thence S 12.5 rods, thence W 30 feet, thence N 12.5 rods, thence E 30 feet, to the point of beginning.

Beginning at a point 45.5 rods W of the NE corner of Lot 1, thence E 10 feet, thence S 12.5 rods, thence W 10 feet, thence N 12.5 rods to POB. (Containing 0.1894 acres)

Lessor's (Royalty) Interest:		Net Revenue Interes
Dorothy Peltier, apparently also known as Dorothy Luck	$\frac{1}{6} \times \frac{1}{1} \times \frac{0.1894}{661.44}$	= 0.0000477

TRACT 34

Lands Involved: Section 5: Beginning at a point 206.25 feet S of the NE corner of Lot 1, thence W 660 ft, thence S 1287.66 ft, thence E 660 ft, thence N to the point of beginning. (Containing 19.51 acres)

Lessor's (Royalty) Interest:		Net Revenue Interest
Edwin J. Larsen	$\frac{1}{5} \times \frac{1}{2} \times \frac{19.51}{661.44}$	= 0.0029496
Eula Von Bostick	$\frac{1}{5} \times \frac{1}{2} \times \frac{19.51}{661.44}$	= 0.0029496
Lessor's (Royalty) Interest Subtotal in Tract 34:		0.0058992

TRACT 33

Lands Involved: Section 5: Beginning at the NW corner of Lot 1, running thence S 150 ft, thence E 170 ft, thence N 150 ft, thence W 170 ft to POB. (Containing 0.58 acre)

Lessor's (Royalty) Interest:		Net Revenue Interest
Garth L. Anderton and Sonja N. Anderton, as joint tenants	$\frac{1}{6} \times \frac{1}{1} \times \frac{0.58}{661.44}$	= 0.0001461
Lessor's (Royalty) Interest Subtotal in Tract 33:		0.0001461

TRACT 35

Lands Involved:

Section 5: SE¼NW¼, Lot 3, W 35.5 rods of Lot 2, and,

Beginning 150 feet S of the NW corner of Lot 1, thence E 170 ft, thence N 150 ft, thence E 399 ft, thence S 206 ft, thence E 91 ft, thence S 1287 ft, thence W 660 ft, thence N 1343 ft to point of beginning.
(Containing 127.31 acres)

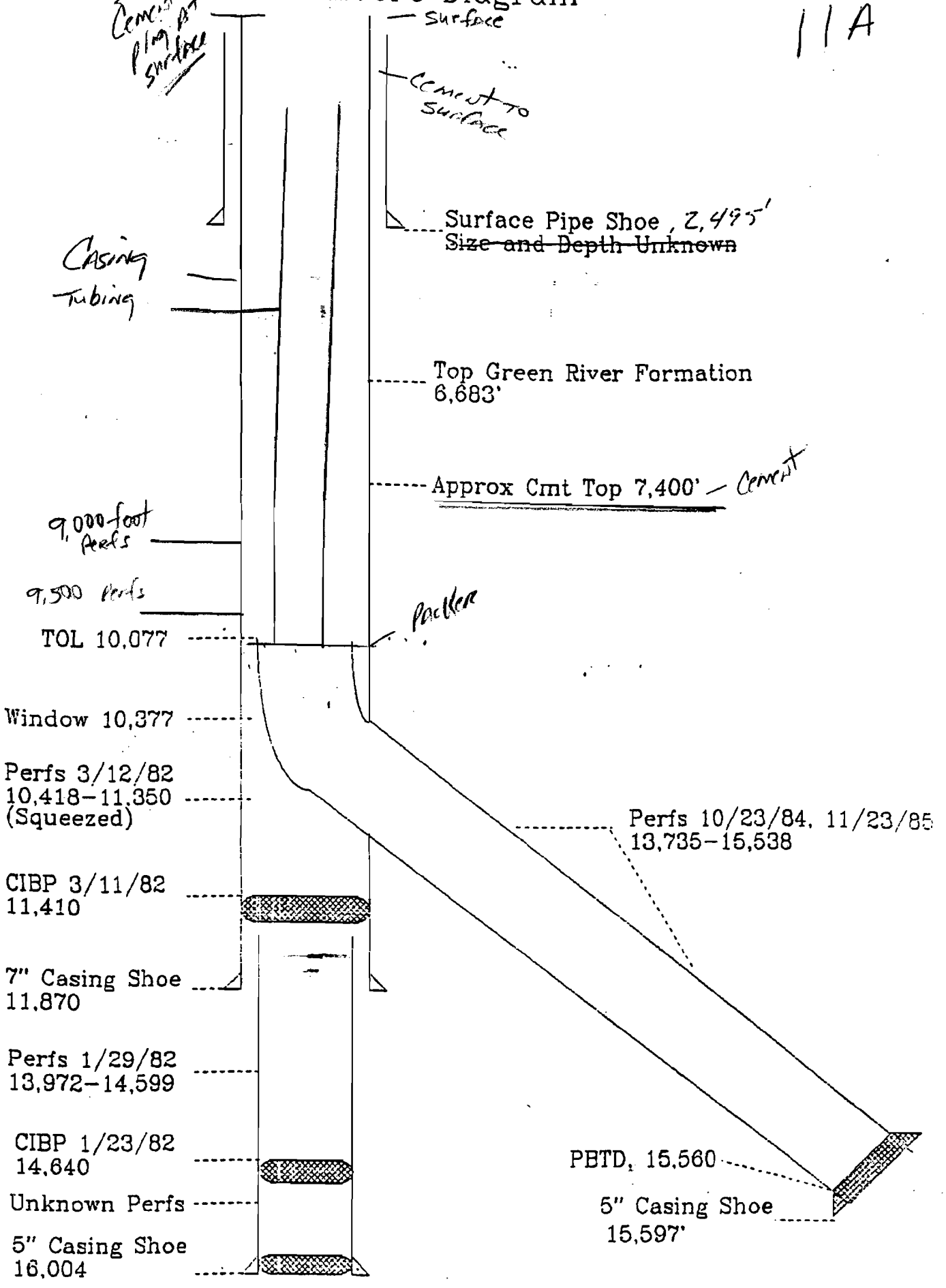
Lessor's (Royalty) Interest:

							Net Revenue Interest
Lyle J. Larsen	$\frac{1}{5}$	x	$\frac{1}{4}$	x	$\frac{127.31}{661.44}$	=	0.0096236
Edwin J. Larsen	$\frac{1}{5}$	x	$\frac{1}{4}$	x	$\frac{127.31}{661.44}$	=	0.0096236
Jane L. Zimmerman	$\frac{1}{5}$	x	$\frac{1}{4}$	x	$\frac{127.31}{661.44}$	=	0.0096236
Richard B. Larsen	$\frac{1}{5}$	x	$\frac{1}{4}$	x	$\frac{127.31}{661.44}$	=	0.0096236
Lessor's (Royalty) Interest Subtotal in Tract 35:							0.0384944

Helen Larson 2-05A1

Wellbore Diagram

11A



** L205A1 881116 001 CEE 3400
HELEN LARSEN 2-05A1
PLUG AND ABANDON
MIRU Pool Well Service #233. ND WH. NU BOPE. RU pump lines and pump 80BFW down 9 5/8" and 7" casing annulus @6BPM and 300psi. Work tbg to 120,000. Free packer at 13,590'. POOH LD 110 jts tbg. POOH SB 288jts tbg. Drain pump and lines. SWIFN.

POOL WELL #233	1600
JONES TRUCKING	600
DALBO TRUCKING	800
CEE	400

DC=$3,400 CC=$3,400

** L205A3 881117 002 CEE 3200
HELEN LARSEN 2-05A1
PLUG AND ABANDON
POOH w/36jts tbg, National V cavity w/pump in place, 5" Baker R-3 packer. PU 5", 18#, Baker CIBP. Tally in hole w/324jts tbg. Set CIBP @ 10,130'. PU end of tbg to 10,120'. RU Dowell and fill hole w/235BFW. Test plug to 2000psi. Spot 50sk (10bbl)balanced cement plug on top of CIBP. POOH w/10jts tbg. Displace hole w/11.3#, 48vis mud. POOh LD 45jts tbg. Drain pump and lines. SWIFN.

DOWELL	1000
POOL WELL #233	1600
SEAGULL WT	200
CEE	400

DC=$3,200 CC=$6,600

** L205A1 881118 003 CEE 2000
HELEN LARSEN 2-05A1
PLUG AND ABANDON
POOH LD 69jts tbg. POOH SB 210jts tbg. LD Baker setting tool. Stop @1000' adn circulate hole clean. RU McCullough. Test blind rams and lubricator to 2000psi. Could not get gun below 2000' because of paraffin in csg. PU 6" paraffin knife and TIH on 230jts tbg corculating out paraffin from surface ot 7,200'. Drain pump and lines. POOH w/5jts tbg. SWIFN.

POOL WELL #233	1600
CEE	400

DC=$2,000 CC=$8,600

** L205A1 881119 004 CEE 1800
HELEN LARSEN 2-05A1
PLUG AND ABANDON
Change out rig pumps. Untaw rig pump. Circulate paraffin out of csg and tbg. TOOH w/225jts tbg. Stop @ 1000' and circ paraffin out of csg. LD wax knife. RU McCullough and could not perf guns below 150'. Work for 1 hour. RD McCullough. TIH w/50stds tbg. Criculate paraffin out of surface lines w/hot form water. Drain pump and lines. Pull 2jts tbg. SWIFWeekend.

POOL WELL #233	1400
CEE	400

DC=$1,800 CC=$10.400

** L205A1 881120 004 DGH 0

HELEN LARSEN 2-5A1
P&A
SDFWe.

** L205A1 881121 004 DGH 0
HELEN LARSEN 2-5A1
P&A
SDFWe

** L205A1 881122 005 DGH 3400
HELEN LARSEN
P&A
RIH with 113 jt 2 7/8" tubing to 6600'. RU McCullough. RIH with 2" tubing gun to 6740'. Shoot 11 squeeze holes at 6740'. POOH with perforators and rig down. Pressure casing to 3000 psi to break down perfs. 3000 psi bled off to 2500 in 3 minutes. PU 5 jts of tubing and RIH to 6764'. RU Dowell. Spot 5 bbls of 15% HCl across perfs. Pressure casing to 3000 psi. Perfs slowly took acid. Establish pump in rate of 1 BPM at 3000 psi after breakdown. RD Dowell. L/D 6 jts tubing. TOOH with 210 jts tubing and 6" wax knife. PU 7" 26# cement retainer. TIH with retainer and 156 jts tubing. SDFN.

Pool	1700
McCullough	1300
DGH	400
DC=$3400	CC=$13800

** L205A1 881123 006 DGH 16600
HELEN LARSEN
P&A
RIH with 55 jts 2 7/8" tubing to 6608'. Set cement retainer. Stung out of retainer and fill well with 34 bbls water. Pump 5 bbls fresh water ahead, followed by 12 bbls (60 sx) class G cement. Spot cement to end of tubing and sting into retainer. Squeeze cement into perfs at 1.5 BPM and 4500 psi. Displace with 5 bbls fresh water and 32 bbls formation water. Sting out of retainer leaving 1 bbl cement on top of retainer. POOH with 10 jts tubing. Displace formation water out of well with 50 bbls 10.5 PPG mud. POOH and lay down all tubing and retainer setting tool. Hook up Dowell to surface casing valve. Pump 5 bbls fresh water ahead followed by 83 bbls (400 sx) class G cement down surface casing. Pump at 3 BPM and 500 psi. Clean out cellar. Remove BOP. Cut surface casing and 7" casing strings at surface. Remove casing and tubing head. PU 100' of 1" pipe. Cement 100' surface plug in 9-5/8"-7" annulus and 100' plug in 7" casing. Cement to surface. Install dry hole marker and fill with cement. SDFN. (Note: Plugging procedure was witnessed by Gary Garner from the State of Utah).

Pool	1600
McCullough	1700
Baker Service	2300
Dowell	8700
Freedom HO	1000
Walker Welding	300
Seagul	500
DGH	400

DC=$16600 CC=$30300

** L205A1 881124 007 CEE 2600
HELEN LARSEN 2-05A1
PLUG AND ABANDON
RDMO Pool Well Service #233. Move tbg and wellhead equip to Linmar's Roosevelt yard. Empty and release frac tank.

POOL WELL #233	600
SEAGULL TRKG	200
WALKER WELDING	1400
DGH	400

DC=$2,600 CC=$32,900

** L205A1 881123 006 DGH 16600
HELEN LARSEN
P&A
RIH with 55 jts 2 7/8" tubing to 6608'. Set cement retainer. Stung out of retainer and fill well with 34 bbls water. Pump 5 bbls fresh water ahead, followed by 12 bbls (60 sx) class G cement. Spot cement to end of tubing and sting into retainer. Squeeze cement into perfs at 1.5 BPM and 4500 psi. Displace with 5 bbls fresh water and 32 bbls formation water. Sting out of retainer leaving 1 bbl cement on top of retainer. POOH with 10 jts tubing. Displace formation water out of well with 50 bbls 10.5 PPG mud. POOH and lay down all tubing and retainer setting tool. Hook up Dowell to surface casing valve. Pump 5 bbls fresh water ahead followed by 83 bbls (400 sx) class G cement down surface casing. Pump at 3 BPM and 500 psi. Clean out cellar. Remove BOP. Cut surface casing and 7" casing strings at surface. Remove casing and tubing head. PU 100' of 1" pipe. Cement 100' surface plug in 9-5/8"-7" annulus and 100' plug in 7" casing. Cement to surface. Install dry hole marker and fill with cement. SDFN. (Note: Plugging procedure was witnessed by Gary Garner from the State of Utah).

Pool	1600
McCullough	1700
Baker Service	2300
Dowell	8700
Freedom HO	1000
Walker Welding	300
Seagul	500
DGH	400

DC=$16600 CC=$30300

REEF CHEMICAL COMPANY, INC.
P.O. BOX 529, SNYDER, TEXAS 79549

12A

WATER ANALYSIS REPORT

14-JAN-1987

SAMPLE

COMPANY : LINMAR ENERGY
SOURCE :
NUMBER : 7187

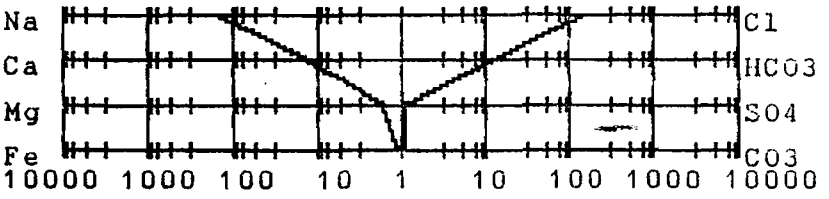
LOCATION : HELEN LARSEN 2-05A1
DATE SAMPLED :
ATTENTION :

ANALYSIS

			MG/L	EQ. WT.	*MEQ
1.	PH	7.94			
2.	SPECIFIC GRAVITY	1.002			
3.	HYDROGEN SULFIDE	NEGATIVE			
4.	CARBON DIOXIDE	NOT DETERMINED			
5.	DISSOLVED OXYGEN	NOT DETERMINED			
6.	HYDROXYL (OH)		0	/ 17.0 =	0
7.	CARBONATE (CO3)		0	/ 30.0 =	0
8.	BICARBONATE (HCO3)		807	/ 61.1 =	13
9.	CHLORIDES (CL)		4899	/ 35.5 =	138
10.	SULFATES (SO4)		25	/ 48.8 =	1
11.	CALCIUM (CA)		245	/ 20.1 =	12
12.	MAGNESIUM (MG)		17	/ 12.2 =	1
13.	SODIUM (NA)		3181	/ 23.0 =	138
14.	BARIUM (BA)		NOT DETERMINED	/ 68.7 =	0
15.	TOTAL IRON (FE)		2	/ 18.2 =	0
19.	TOTAL HARDNESS (CACO3)		680		
20.	RESISTIVITY (CALCULATED)	.666 /CM			
16.	DISSOLVED SOLIDS		9174		
17.	FILTRABLE SOLIDS		0		
18.	TOTAL SOLIDS		9174		
21.	SUSPENDED OIL				
22.	VOLUME FILTERED (ML)				

LOGARITHMIC WATER PATTERN

*MEQ



* MILLIEQUIVALENTS

CALCULATED CALCIUM SULFATE SOLUBILITY
IN THIS BRINE IS 2633 MG/L

PROBABLE MINERAL COMPOSITION

COMPOUND	EQ. WT.	X	*MEQ	= MG/L
CA(HCO3)2	81.04		12	993
CASO4	68.07		0	0
CACL2	55.50		0	0
MG(HCO3)	73.17		1	72
MGSO4	60.19		0	25
MGCL2	47.62		0	0
NAHCO3	84.00		0	0
NASO4	71.03		0	7
NACL	58.46		138	8067

ESTIMATED TEMPERATURE OF CALCIUM CARBONATE INSTABILITY IS 55 DEGREES F.

B. J. Hen

CHEMIST

12A

WATER
ANALYSIS REPORT
DATE: 04/09/87

SAMPLE
COMPANY: LINMAR ENERGY
SOURCE:
NUMBER: Q04
LOCATION: LINDSEY RUSSELL 1-32B4
DATE SAMPLED:
ATTENTION: ED WHICKER

ANALYSIS		MG/L
1. PH	8.7	
2. SPECIFIC GRAVITY		
3. HYDROGEN SULFIDE	NOT DETERMINED	
4. CARBON DIOXIDE	NOT DETERMINED	
5. DISSOLVED OXYGEN	NOT DETERMINED	
6. HYDROXYL (OH)		
7. CARBONATE (CO3)		72
8. BICARBONATE (HCO3)		1428.83
9. CHLORIDES (CL)		5798.69
10. SULFATES (SO4)		387.5
11. CALCIUM (CA)		28.56
12. MAGNESIUM (MG)		7.29
13. SODIUM (NA)		
14. BARIUM (BA)		NOT DETERMINED
15. TOTAL IRON (FE)		NOT DETERMINED
19. TOTAL HARDNESS (CACO3)		100.96

CARY HAYS
REEF CHEMICAL CO
RANGLEY COLO
1-303-675-5153

13A

CONFIDENTIAL

FINAL

Sea Gull Mud Logging Corp.

333 East 200 North — Roosevelt, Utah 84066

Company LINMAR ENERGY CORP.

Well LINMAR-HORROCKS 1-4-A1

Location

County DUCHESNE **State** UTAH

Depth Logged From 7,600 To

Date Logged From JUNE 22, 84 To

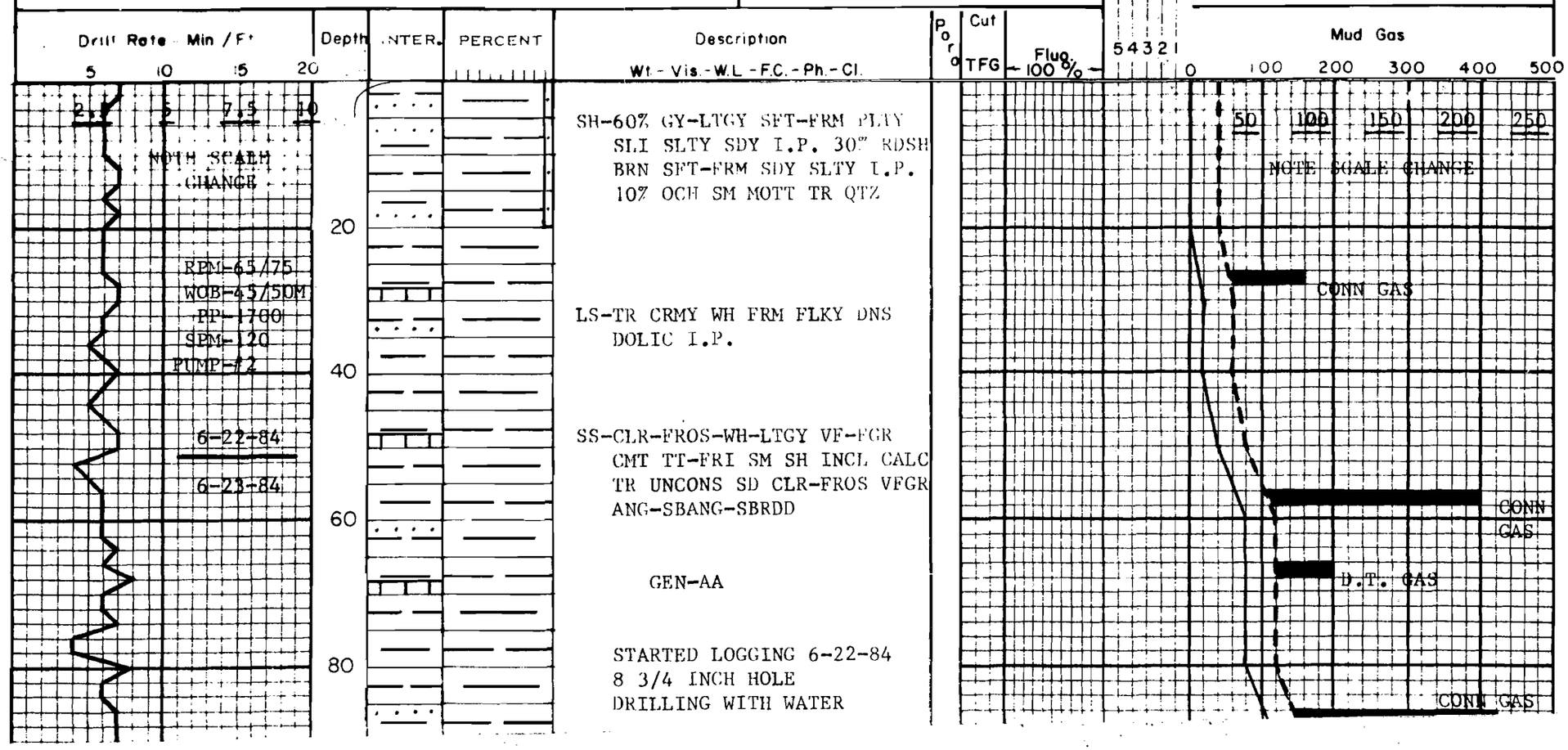
Elev. G. L. K. B.

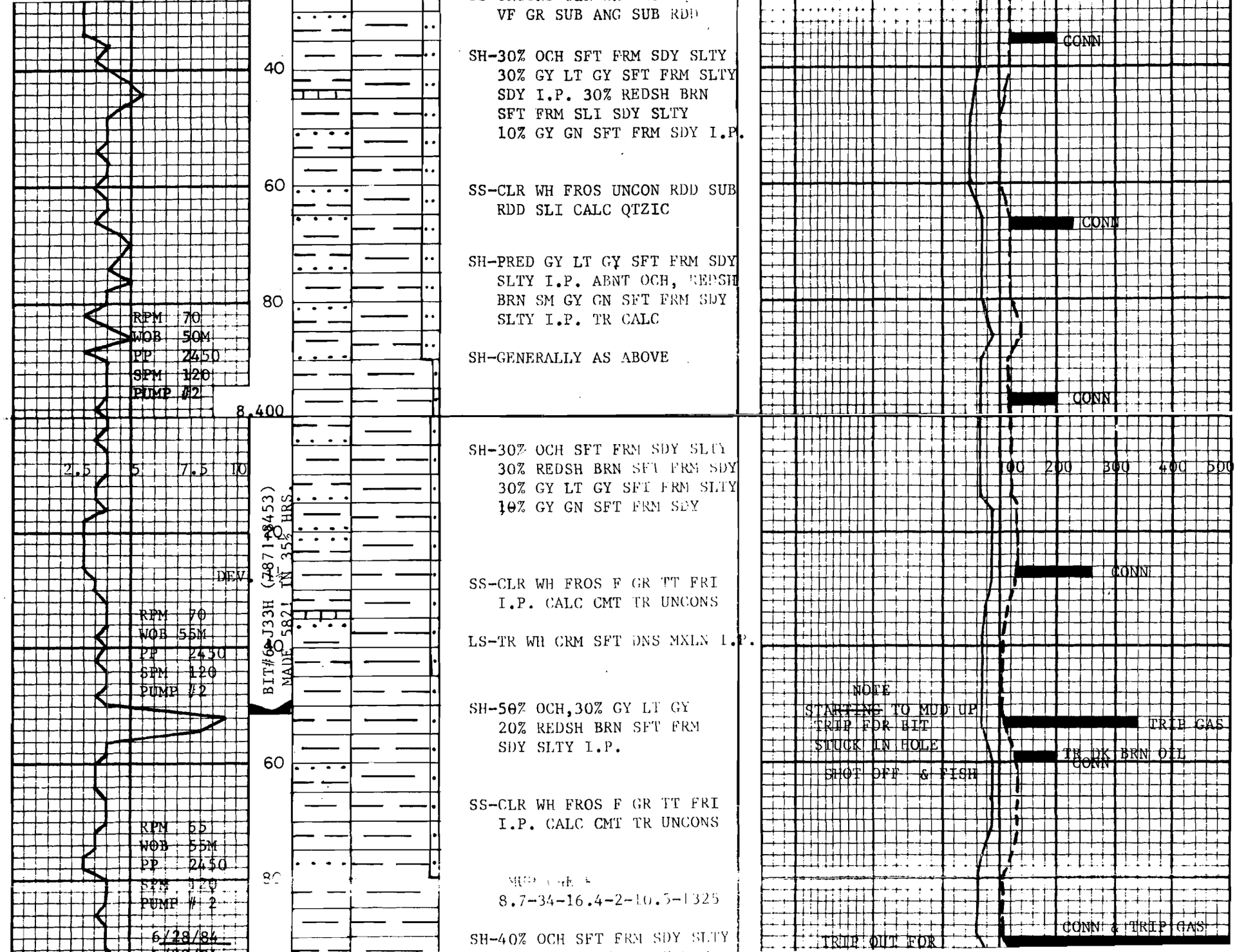
Mud Type GEL & WATER

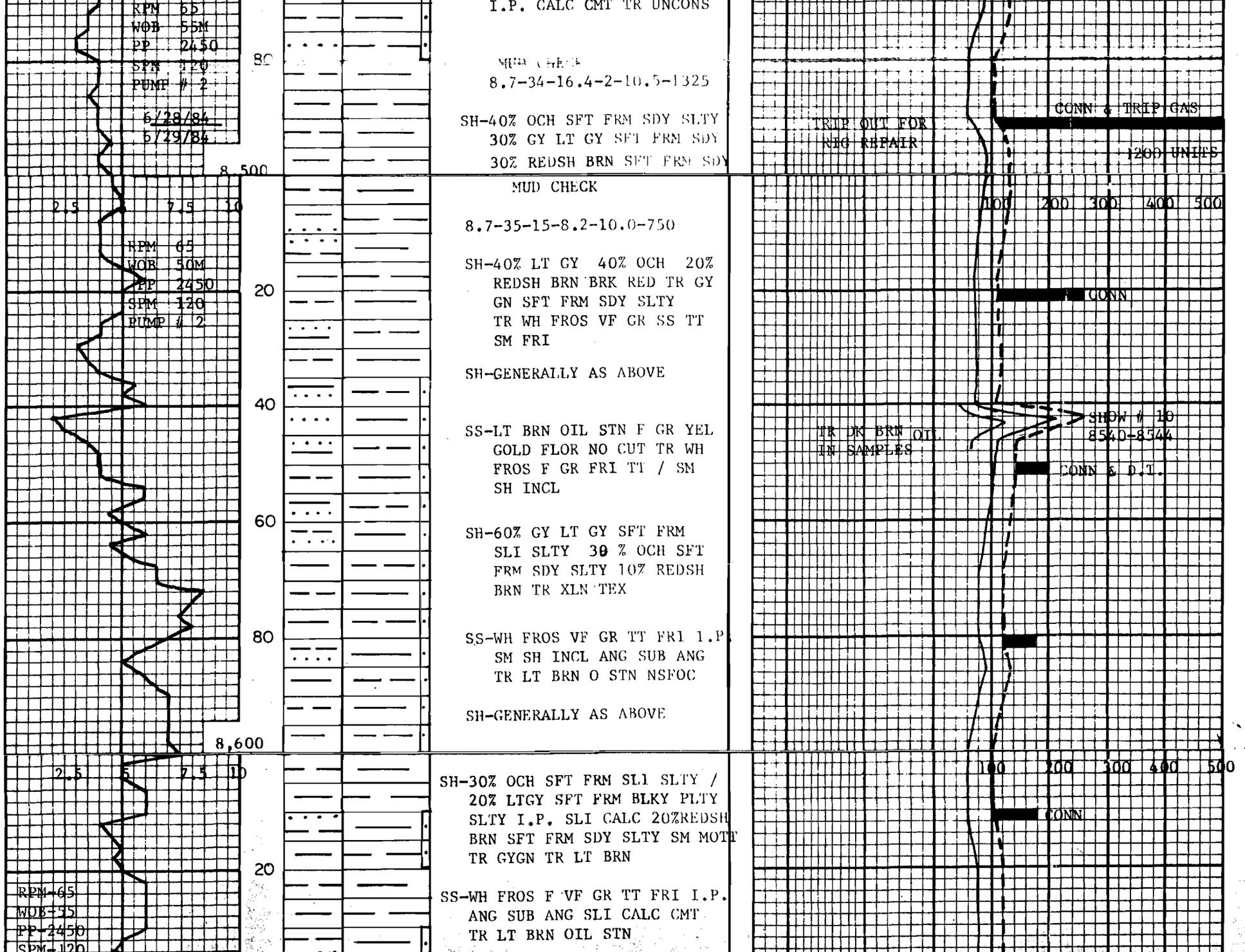
LEGEND

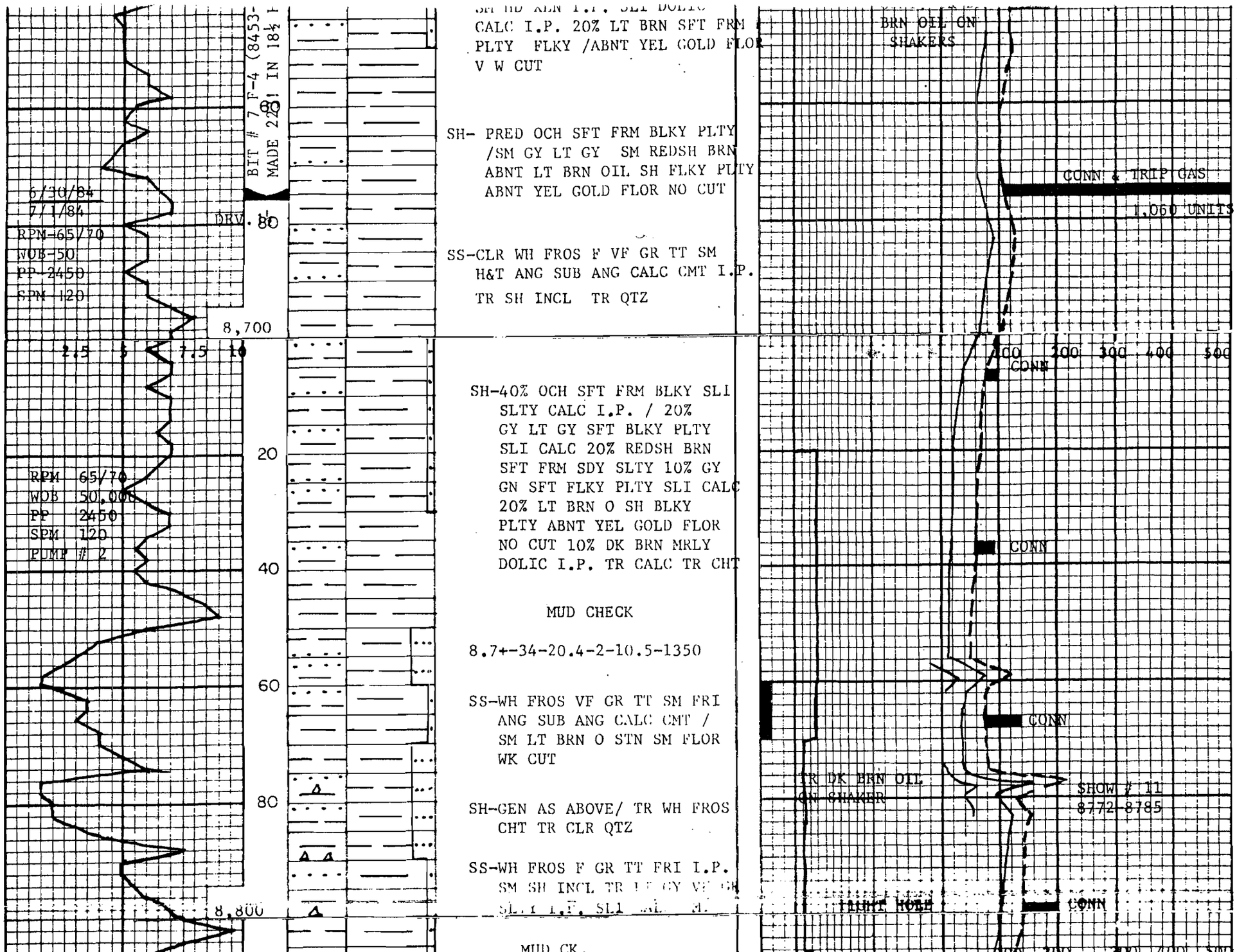
Sand, Siltstone, Shale, Chert, Limestone, Coal, Dolomite, Igneous, Anhydrite

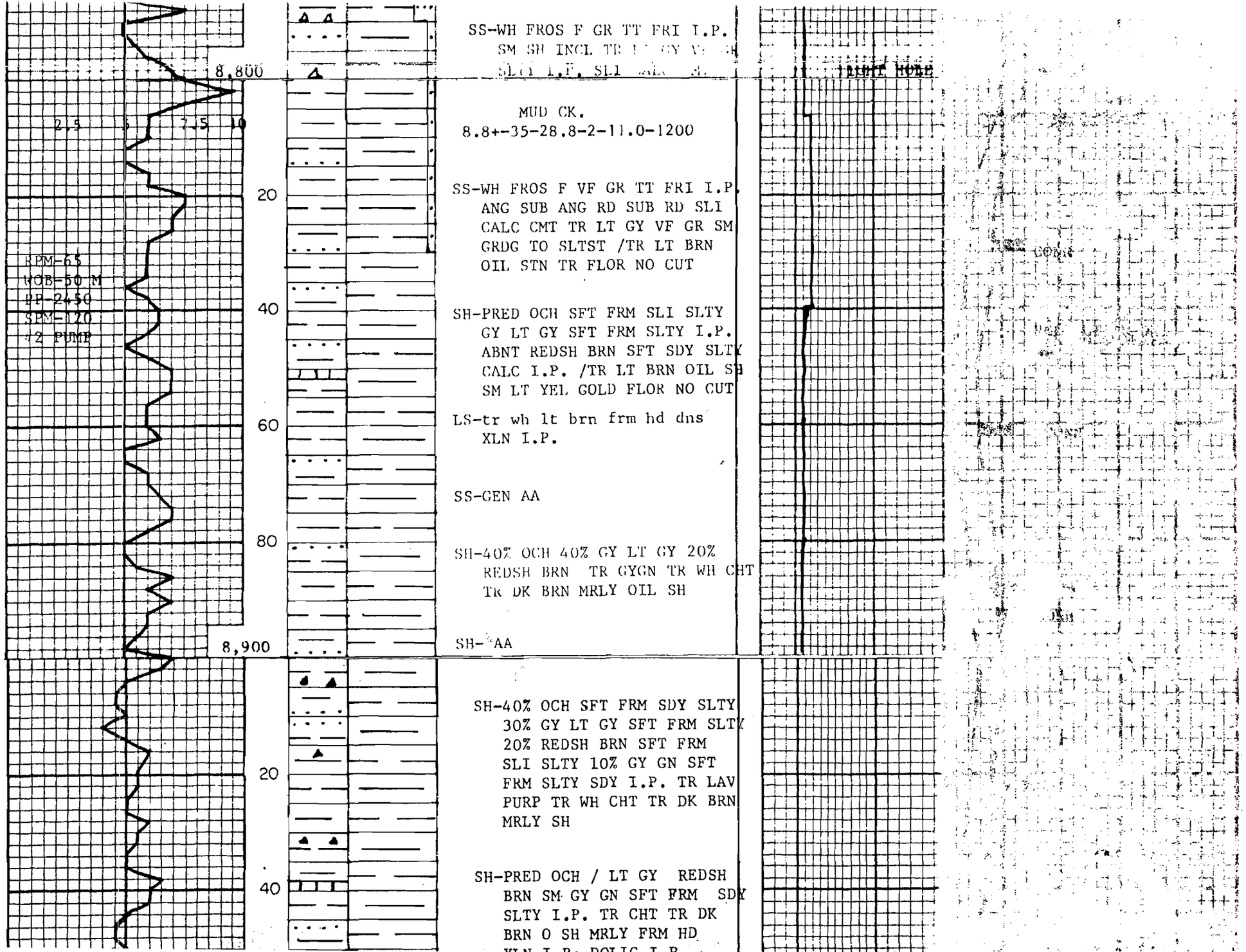
Calibration Chromatograph: 5 Pentane, 4 Butanes, 3 Propanes, 2 Ethane, 1 Methane

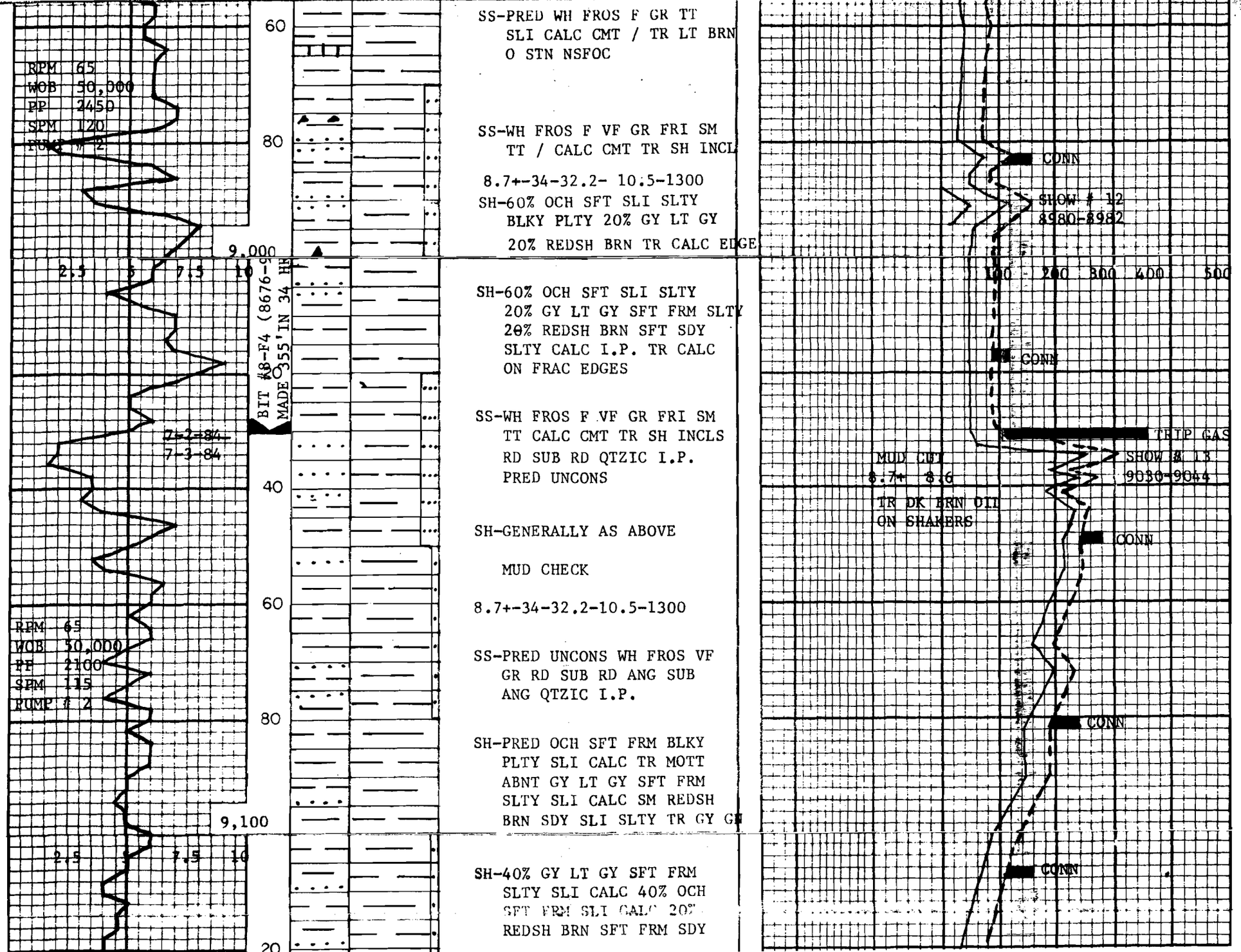


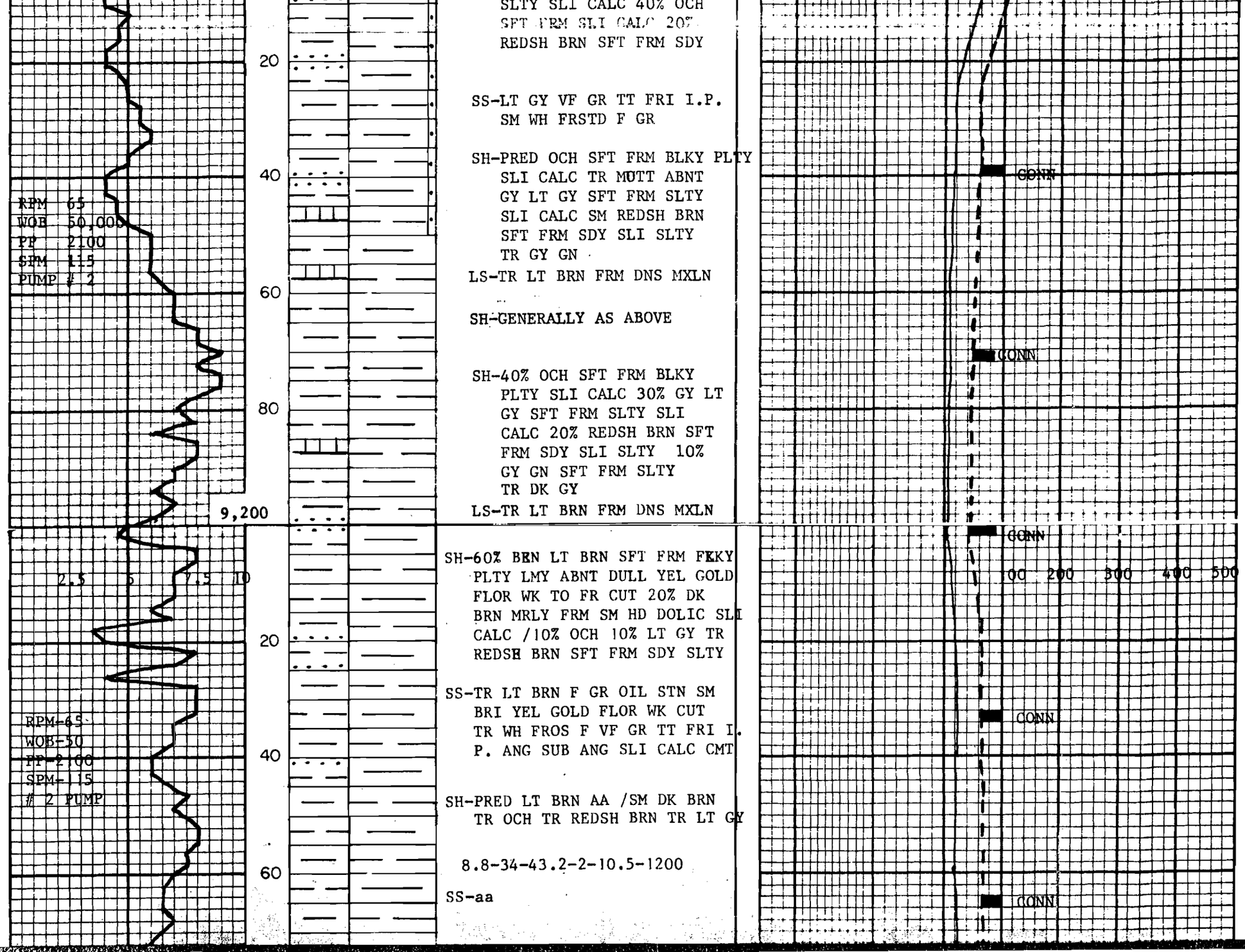

VF GR SUB ANG SUB RDD
SH-30% OCH SFT FRM SDY SLTY
30% GY LT GY SFT FRM SLTY
SDY I.P. 30% REDSH BRN
SFT FRM SLI SDY SLTY
10% GY GN SFT FRM SDY I.P.
SS-CLR WH FROS UNCON RDD SUB
RDD SLI CALC QTZIC
SH-PRED GY LT GY SFT FRM SDY
SLTY I.P. ABNT OCH, REDSH
BRN SM GY GN SFT FRM SDY
SLTY I.P. TR CALC
SH-GENERALLY AS ABOVE
SH-30% OCH SFT FRM SDY SLTY
30% REDSH BRN SFT FRM SDY
30% GY LT GY SFT FRM SLTY
10% GY GN SFT FRM SDY
SS-CLR WH FROS F GR TT FRI
I.P. CALC CMT TR UNCONS
LS-TR WH CRM SFT DNS MXLN I.P.
SH-50% OCH,30% GY LT GY
20% REDSH BRN SFT FRM
SDY SLTY I.P.
SS-CLR WH FROS F GR TT FRI
I.P. CALC CMT TR UNCONS
8.7-34-16.4-2-10.5-1325
SH-40% OCH SFT FRM SDY SLTY
40
60
80
8,400
60
RPM 70
WOB 50M
PP 2450
SPM 120
PUMP #2
RPM 70
WOB 55M
PP 2450
SPM 120
PUMP #2
RPM 65
WOB 55M
PP 2450
PUMP # 2
6/28/84
2.5
5
7.5
10
DEV.
BIT#6 J33H (7871-8453)
MADE 582' IN 35½ HRS.
CONN
CONN
CONN
CONN
CONN
NOTE
STARTING TO MUD UP
TRIP FOR BIT
STUCK IN HOLE
SHOT OFF & FISH
TRIP GAS
TR DK BRN OIL
CONN
CONN & TRIP GAS
TRIP OUT FOR
100
200
300
400
500

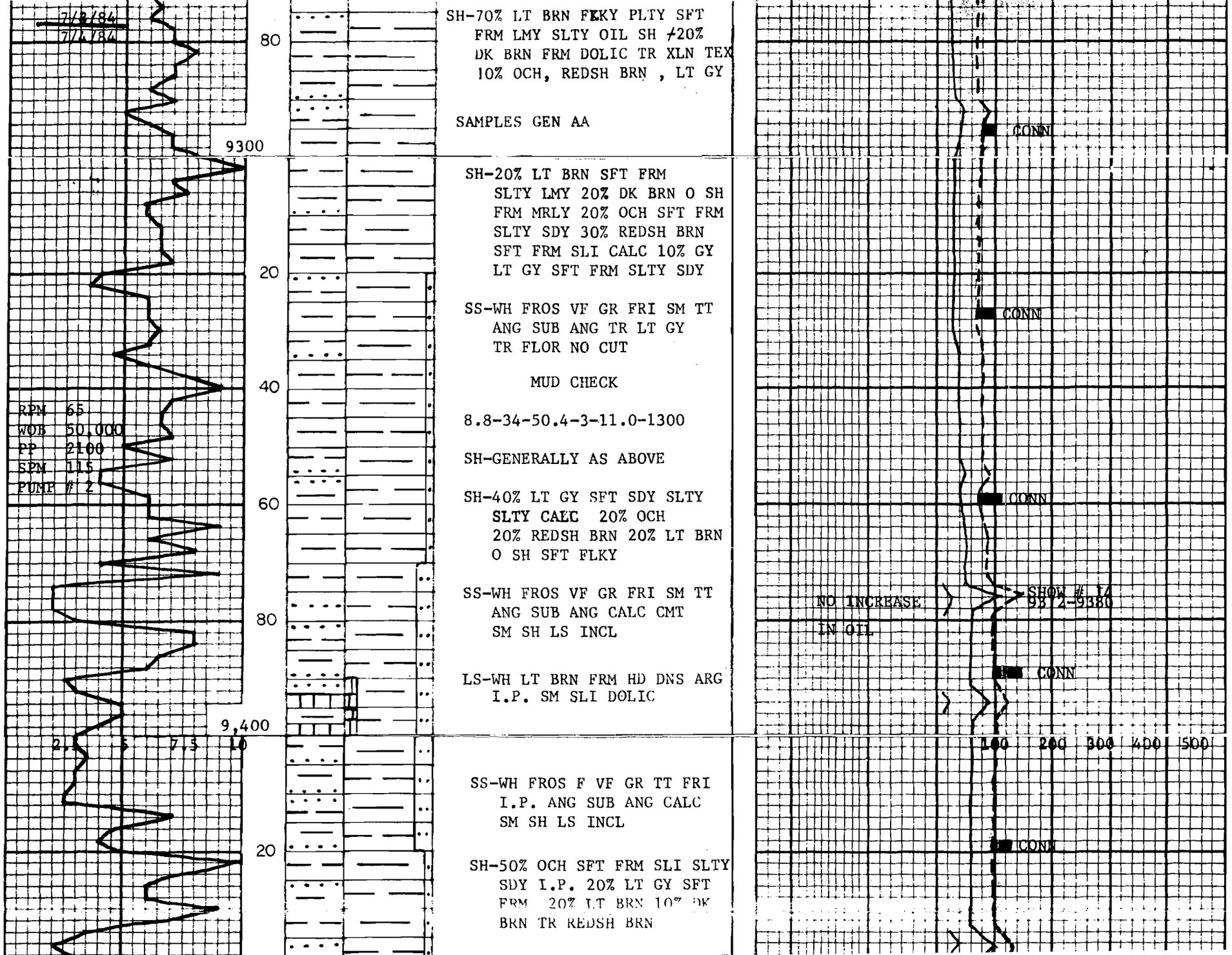

RPM 65
WOB 55M
PP 2450
SPM 120
PUMP # 2
6/28/84
6/29/84
I.P. CALC CMT TR UNCONS
MUD CHECK
8.7-34-16.4-2-10.5-1325
SH-40% OCH SFT FRM SDY SLTY
30% GY LT GY SFT FRM SDY
30% REDSH BRN SFT FRM SDY
TRIP OUT FOR
RIG REPAIR
CONN & TRIP GAS
1200 UNITS
8,500
2.5
7.5
10
MUD CHECK
8.7-35-15-8.2-10.0-750
RPM 65
WOB 50M
PP 2450
SPM 120
PUMP # 2
SH-40% LT GY 40% OCH 20%
REDSH BRN BRK RED TR GY
GN SFT FRM SDY SLTY
TR WH FROS VF GR SS TT
SM FRI
SH-GENERALLY AS ABOVE
CONN
20
40
SS-LT BRN OIL STN F GR YEL
GOLD FLOR NO CUT TR WH
FROS F GR FRI TT / SM
SH INCL
TR DK BRN OIL
IN SAMPLES
SHOW # 10
8540-8544
CONN & D.T.
60
SH-60% GY LT GY SFT FRM
SLI SLTY 30 % OCH SFT
FRM SDY SLTY 10% REDSH
BRN TR XLN TEX
80
SS-WH FROS VF GR TT FRI I.P.
SM SH INCL ANG SUB ANG
TR LT BRN O STN NSFOC
SH-GENERALLY AS ABOVE
8,600
100
200
300
400
500
SH-30% OCH SFT FRM SLI SLTY /
20% LTGY SFT FRM BLKY PLTY
SLTY I.P. SLI CALC 20%REDSH
BRN SFT FRM SDY SLTY SM MOTT
TR GYGN TR LT BRN
CONN
RPM-65
WOB-55
PP-2450
SPM-120
SS-WH FROS F VF GR TT FRI I.P.
ANG SUB ANG SLI CALC CMT
TR LT BRN OIL STN

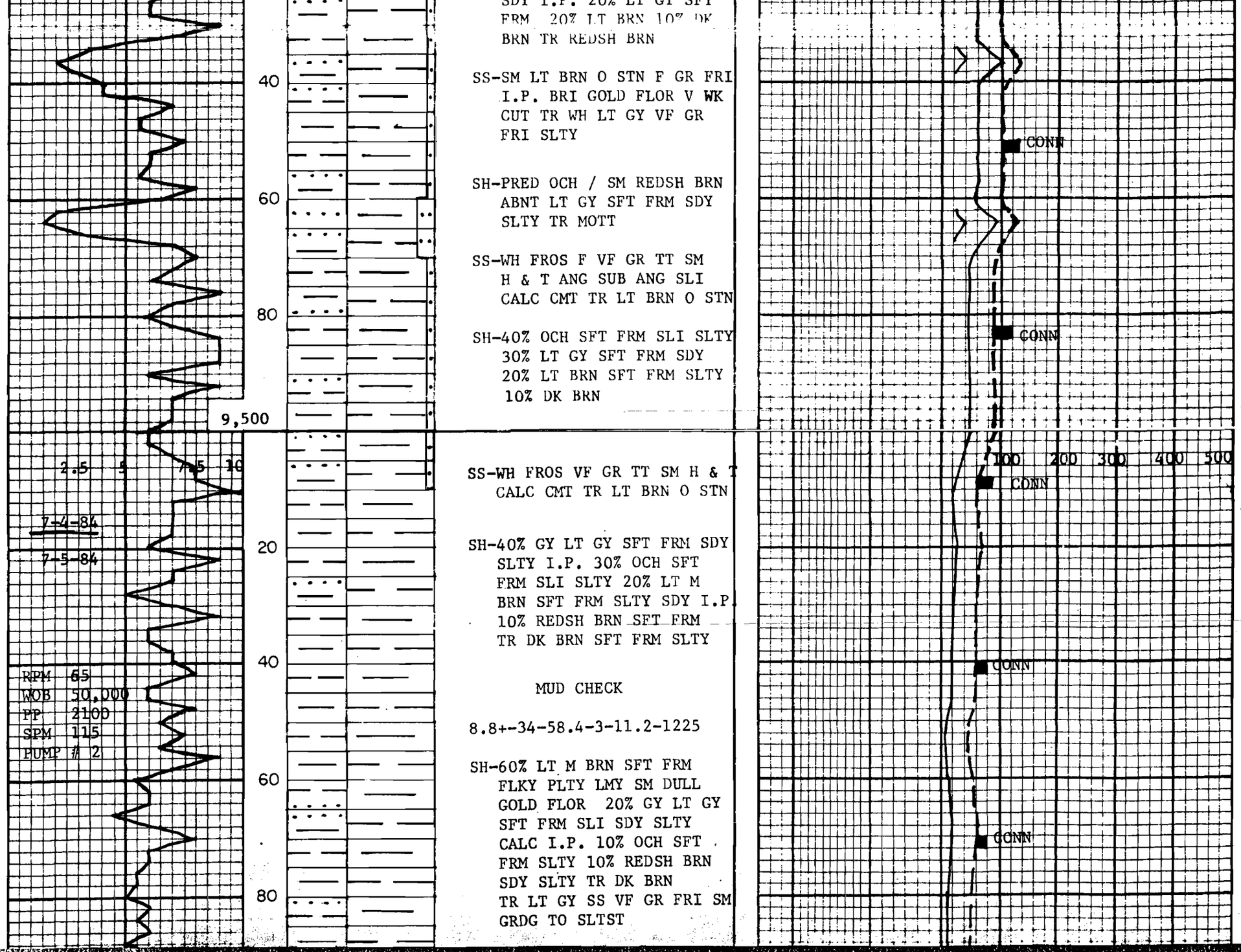

BIT # 7 F-4 (8453-
MADE 22 IN 18½
6/30/84
7/1/84
RPM-65/70
WOB-50
PP-2450
SPM-120
DRV. 80
8,700
2.5
5
7.5
10
RPM 65/70
WOB 50,000
PP 2450
SPM 120
PUMP # 2
20
40
60
80
8,800
CALC I.P. 20% LT BRN SFT FRM
PLTY FLKY /ABNT YEL GOLD FLOR
V W CUT
SH- PRED OCH SFT FRM BLKY PLTY
/SM GY LT GY SM REDSH BRN
ABNT LT BRN OIL SH FLKY PLTY
ABNT YEL GOLD FLOR NO CUT
SS-CLR WH FROS F VF GR TT SM
H&T ANG SUB ANG CALC CMT I.P.
TR SH INCL TR QTZ
SH-40% OCH SFT FRM BLKY SLI
SLTY CALC I.P. / 20%
GY LT GY SFT BLKY PLTY
SLI CALC 20% REDSH BRN
SFT FRM SDY SLTY 10% GY
GN SFT FLKY PLTY SLI CALC
20% LT BRN O SH BLKY
PLTY ABNT YEL GOLD FLOR
NO CUT 10% DK BRN MRLY
DOLIC I.P. TR CALC TR CHT
MUD CHECK
8.7+-34-20.4-2-10.5-1350
SS-WH FROS VF GR TT SM FRI
ANG SUB ANG CALC CMT /
SM LT BRN O STN SM FLOR
WK CUT
SH-GEN AS ABOVE/ TR WH FROS
CHT TR CLR QTZ
SS-WH FROS F GR TT FRI I.P.
SM SH INCL TR
MUD CK
BRN OIL ON
SHAKERS
CONN & TRIP GAS
1,060 UNITS
100
200
300
400
500
CONN
CONN
CONN
TR DK BRN OIL
ON SHAKER
SHOW # 11
8772-8785
TIGHT HOLE
CONN

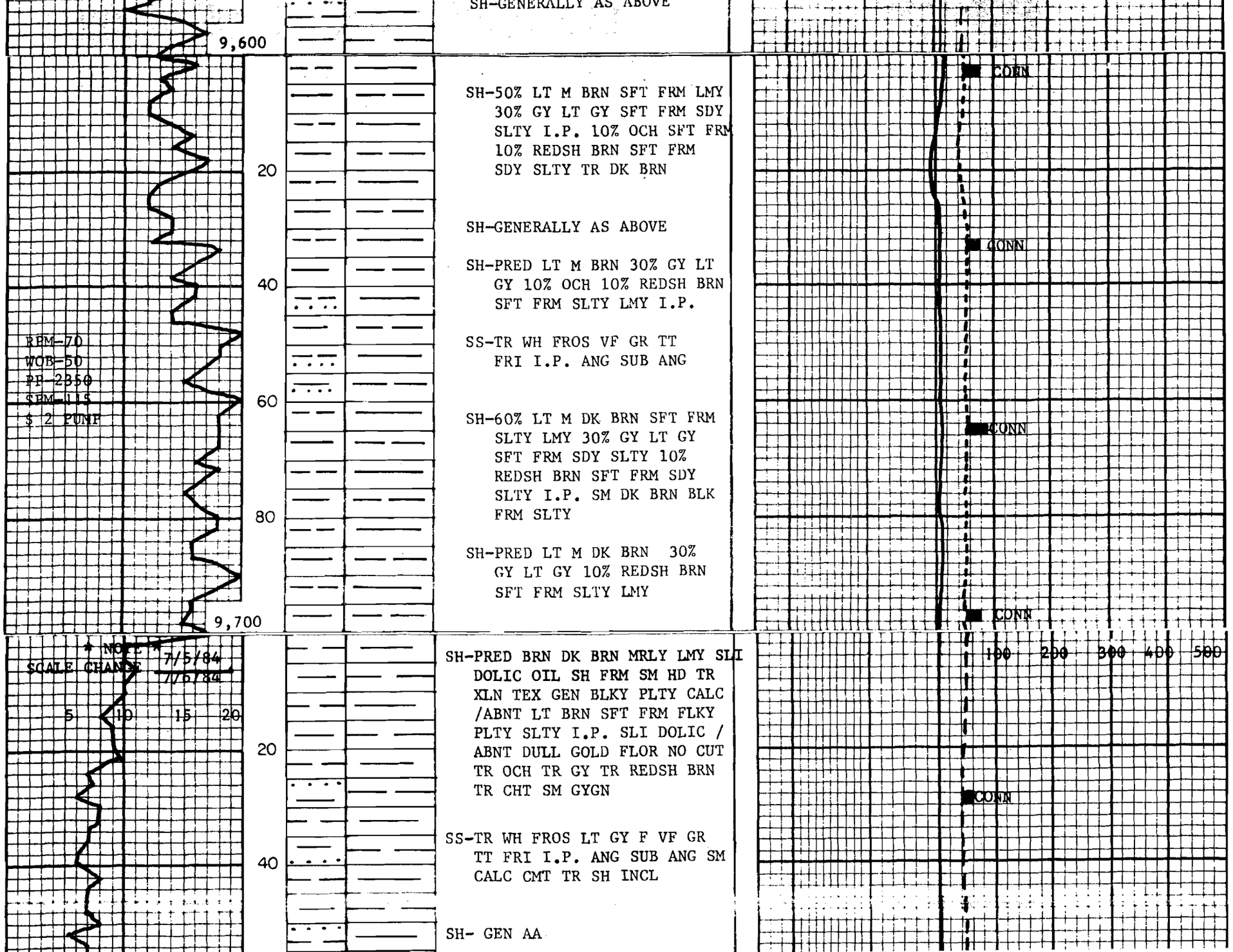

8,800
2.5
5
7.5
10
RPM-65
WOB-50 M
PP-2450
SPM-120
#2 PUMP
20
40
60
80
8,900
20
40
SS-WH FROS F GR TT FRI I.P.
SM SH INCL TR
SLI I.P. SLI
TIGHT HOLE
MUD CK.
8.8+-35-28.8-2-11.0-1200
SS-WH FROS F VF GR TT FRI I.P.
ANG SUB ANG RD SUB RD SLI
CALC CMT TR LT GY VF GR SM
GRDG TO SLTST /TR LT BRN
OIL STN TR FLOR NO CUT
SH-PRED OCH SFT FRM SLI SLTY
GY LT GY SFT FRM SLTY I.P.
ABNT REDSH BRN SFT SDY SLTY
CALC I.P. /TR LT BRN OIL SH
SM LT YEL GOLD FLOR NO CUT
LS-tr wh lt brn frm hd dns
XLN I.P.
SS-GEN AA
SH-40% OCH 40% GY LT GY 20%
REDSH BRN TR GYGN TR WH CHT
TR DK BRN MRLY OIL SH
SH-AA
SH-40% OCH SFT FRM SDY SLTY
30% GY LT GY SFT FRM SLTY
20% REDSH BRN SFT FRM
SLI SLTY 10% GY GN SFT
FRM SLTY SDY I.P. TR LAV
PURP TR WH CHT TR DK BRN
MRLY SH
SH-PRED OCH / LT GY REDSH
BRN SM GY GN SFT FRM SDY
SLTY I.P. TR CHT TR DK
BRN O SH MRLY FRM HD

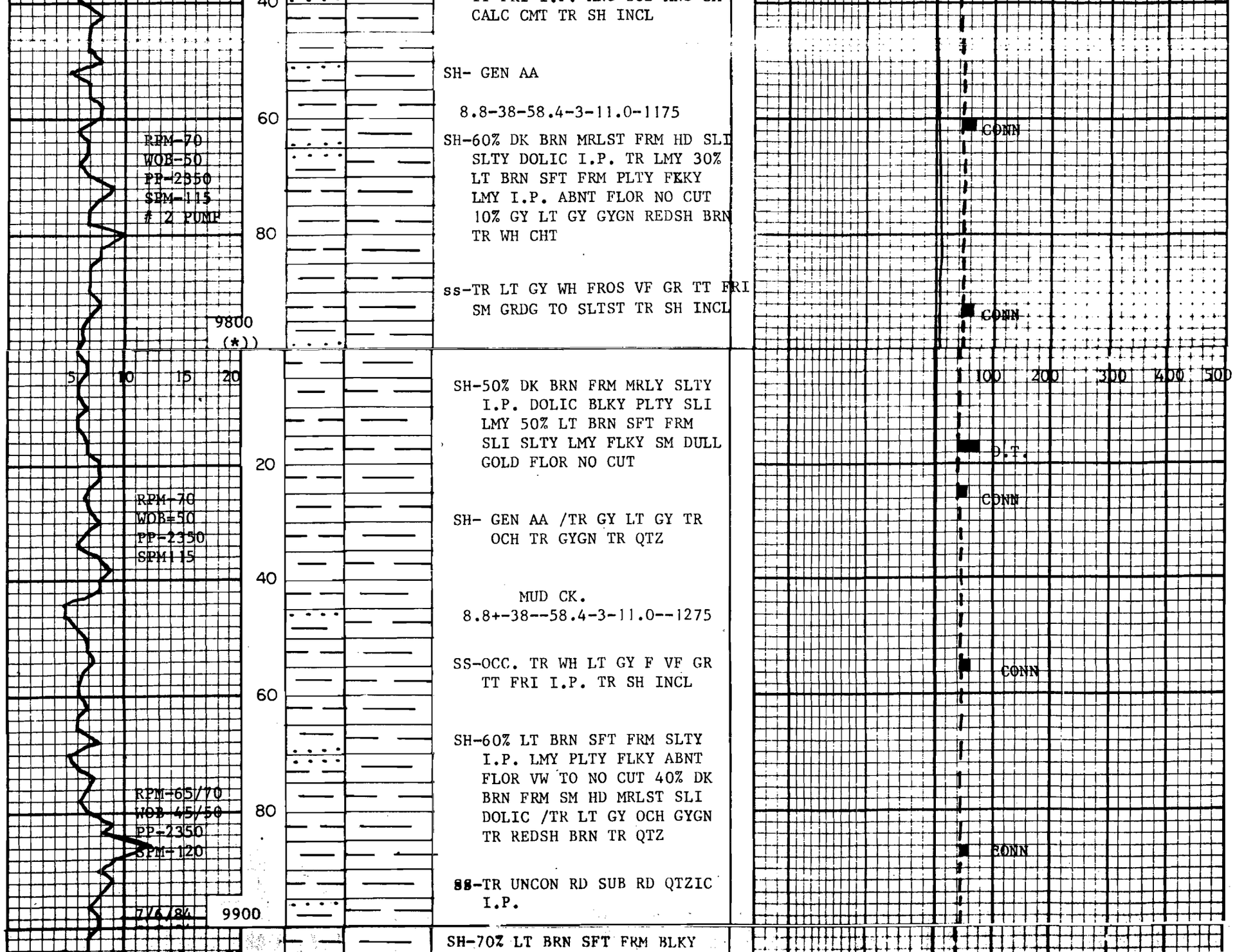

60
80
9,000
40
60
80
9,100
20
RPM 65
WOB 50,000
PP 2450
SPM 120
PUMP # 2
RPM 65
WOB 50,000
PP 2100
SPM 115
PUMP # 2
2.5
5
7.5
10
BIT #8-F4 (8676-9
MADE 355' IN 34 HR
7-2-84
7-3-84
SS-PRED WH FROS F GR TT
SLI CALC CMT / TR LT BRN
O STN NSFOC
SS-WH FROS F VF GR FRI SM
TT / CALC CMT TR SH INCL
8.7+-34-32.2- 10.5-1300
SH-60% OCH SFT SLI SLTY
BLKY PLTY 20% GY LT GY
20% REDSH BRN TR CALC EDGE
SH-60% OCH SFT SLI SLTY
20% GY LT GY SFT FRM SLTY
20% REDSH BRN SFT SDY
SLTY CALC I.P. TR CALC
ON FRAC EDGES
SS-WH FROS F VF GR FRI SM
TT CALC CMT TR SH INCLS
RD SUB RD QTZIC I.P.
PRED UNCONS
SH-GENERALLY AS ABOVE
MUD CHECK
8.7+-34-32.2-10.5-1300
SS-PRED UNCONS WH FROS VF
GR RD SUB RD ANG SUB
ANG QTZIC I.P.
SH-PRED OCH SFT FRM BLKY
PLTY SLI CALC TR MOTT
ABNT GY LT GY SFT FRM
SLTY SLI CALC SM REDSH
BRN SDY SLI SLTY TR GY GN
SH-40% GY LT GY SFT FRM
SLTY SLI CALC 40% OCH
SFT FRM SLI CALC 20%
REDSH BRN SFT FRM SDY
CONN
SHOW # 12
8980-8982
100
200
300
400
500
CONN
TRIP GAS
SHOW # 13
9030-9044
MUD CUT
8.7+ 8.6
TR DK BRN OIL
ON SHAKERS
CONN
CONN
CONN


SLTY SLI CALC 40% OCH
SFT FRM SLI CALC 20%
REDSH BRN SFT FRM SDY
20
SS-LT GY VF GR TT FRI I.P.
SM WH FRSTD F GR
SH-PRED OCH SFT FRM BLKY PLTY
SLI CALC TR MOTT ABNT
GY LT GY SFT FRM SLTY
SLI CALC SM REDSH BRN
SFT FRM SDY SLI SLTY
TR GY GN
40
RPM 65
WOB 50,000
PP 2100
SPM 115
PUMP # 2
LS-TR LT BRN FRM DNS MXLN
60
SH-GENERALLY AS ABOVE
SH-40% OCH SFT FRM BLKY
PLTY SLI CALC 30% GY LT
GY SFT FRM SLTY SLI
CALC 20% REDSH BRN SFT
FRM SDY SLI SLTY 10%
GY GN SFT FRM SLTY
TR DK GY
80
9,200
LS-TR LT BRN FRM DNS MXLN
CONN
CONN
CONN
2.5
5
7.5
10
SH-60% BRN LT BRN SFT FRM FRKY
PLTY LMY ABNT DULL YEL GOLD
FLOR WK TO FR CUT 20% DK
BRN MRLY FRM SM HD DOLIC SLI
CALC /10% OCH 10% LT GY TR
REDSH BRN SFT FRM SDY SLTY
20
SS-TR LT BRN F GR OIL STN SM
BRI YEL GOLD FLOR WK CUT
TR WH FROS F VF GR TT FRI I.
P. ANG SUB ANG SLI CALC CMT
RPM-65
WOB-50
PP-2100
SPM-115
2 PUMP
40
SH-PRED LT BRN AA /SM DK BRN
TR OCH TR REDSH BRN TR LT GY
60
8.8-34-43.2-2-10.5-1200
SS-aa
00
200
300
400
500
CONN
CONN
CONN


7/3/84
7/4/84
80
9300
20
40
60
80
9,400
2.5
5
7.5
10
20
RPM 65
WOB 50,000
PP 2100
SPM 115
PUMP # 2
SH-70% LT BRN FLKY PLTY SFT
FRM LMY SLTY OIL SH +20%
DK BRN FRM DOLIC TR XLN TEX
10% OCH, REDSH BRN , LT GY
SAMPLES GEN AA
SH-20% LT BRN SFT FRM
SLTY LMY 20% DK BRN O SH
FRM MRLY 20% OCH SFT FRM
SLTY SDY 30% REDSH BRN
SFT FRM SLI CALC 10% GY
LT GY SFT FRM SLTY SDY
SS-WH FROS VF GR FRI SM TT
ANG SUB ANG TR LT GY
TR FLOR NO CUT
MUD CHECK
8.8-34-50.4-3-11.0-1300
SH-GENERALLY AS ABOVE
SH-40% LT GY SFT SDY SLTY
SLTY CALC 20% OCH
20% REDSH BRN 20% LT BRN
O SH SFT FLKY
SS-WH FROS VF GR FRI SM TT
ANG SUB ANG CALC CMT
SM SH LS INCL
LS-WH LT BRN FRM HD DNS ARG
I.P. SM SLI DOLIC
SS-WH FROS F VF GR TT FRI
I.P. ANG SUB ANG CALC
SM SH LS INCL
SH-50% OCH SFT FRM SLI SLTY
SDY I.P. 20% LT GY SFT
FRM 20% LT BRN 10% DK
BRN TR REDSH BRN
CONN
CONN
CONN
CONN
NO INCREASE
IN OIL
SHOW # 14
9372-9380
CONN
CONN
100
200
300
400
500


SDY I.P. 20% LT GY SFT
FRM 20% LT BRN 10% DK
BRN TR REDSH BRN
40
SS-SM LT BRN O STN F GR FRI
I.P. BRI GOLD FLOR V WK
CUT TR WH LT GY VF GR
FRI SLTY
CONN
60
SH-PRED OCH / SM REDSH BRN
ABNT LT GY SFT FRM SDY
SLTY TR MOTT
SS-WH FROS F VF GR TT SM
H & T ANG SUB ANG SLI
CALC CMT TR LT BRN O STN
80
SH-40% OCH SFT FRM SLI SLTY
30% LT GY SFT FRM SDY
20% LT BRN SFT FRM SLTY
10% DK BRN
CONN
9,500
2.5 5 7.5 10
100 200 300 400 500
SS-WH FROS VF GR TT SM H & T
CALC CMT TR LT BRN O STN
CONN
7-4-84
7-5-84
20
SH-40% GY LT GY SFT FRM SDY
SLTY I.P. 30% OCH SFT
FRM SLI SLTY 20% LT M
BRN SFT FRM SLTY SDY I.P.
10% REDSH BRN SFT FRM
TR DK BRN SFT FRM SLTY
40
CONN
RPM 65
WOB 50,000
PP 2100
SPM 115
PUMP # 2
MUD CHECK
8.8+-34-58.4-3-11.2-1225
60
SH-60% LT M BRN SFT FRM
FLKY PLTY LMY SM DULL
GOLD FLOR 20% GY LT GY
SFT FRM SLI SDY SLTY
CALC I.P. 10% OCH SFT
FRM SLTY 10% REDSH BRN
SDY SLTY TR DK BRN
TR LT GY SS VF GR FRI SM
GRDG TO SLTST
CONN
80


9,600
SH-GENERALLY AS ABOVE
20
SH-50% LT M BRN SFT FRM LMY 30% GY LT GY SFT FRM SDY SLTY I.P. 10% OCH SFT FRM 10% REDSH BRN SFT FRM SDY SLTY TR DK BRN
SH-GENERALLY AS ABOVE
40
SH-PRED LT M BRN 30% GY LT GY 10% OCH 10% REDSH BRN SFT FRM SLTY LMY I.P.
SS-TR WH FROS VF GR TT FRI I.P. ANG SUB ANG
RPM-70
WOB-50
PP-2350
SPM-115
#2 PUMP
60
SH-60% LT M DK BRN SFT FRM SLTY LMY 30% GY LT GY SFT FRM SDY SLTY 10% REDSH BRN SFT FRM SDY SLTY I.P. SM DK BRN BLK FRM SLTY
80
SH-PRED LT M DK BRN 30% GY LT GY 10% REDSH BRN SFT FRM SLTY LMY
9,700
CONN
CONN
CONN
CONN
CONN
NOTE
SCALE CHANGE 7/5/84 7/6/84
5 10 15 20
20
SH-PRED BRN DK BRN MRLY LMY SLI DOLIC OIL SH FRM SM HD TR XLN TEX GEN BLKY PLTY CALC /ABNT LT BRN SFT FRM FLKY PLTY SLTY I.P. SLI DOLIC / ABNT DULL GOLD FLOR NO CUT TR OCH TR GY TR REDSH BRN TR CHT SM GYGN
40
SS-TR WH FROS LT GY F VF GR TT FRI I.P. ANG SUB ANG SM CALC CMT TR SH INCL
SH- GEN AA
100 200 300 400 500


CALC CMT TR SH INCL
SH- GEN AA
8.8-38-58.4-3-11.0-1175
SH-60% DK BRN MRLST FRM HD SLI SLTY DOLIC I.P. TR LMY 30% LT BRN SFT FRM PLTY FLKY LMY I.P. ABNT FLOR NO CUT 10% GY LT GY GYGN REDSH BRN TR WH CHT
ss-TR LT GY WH FROS VF GR TT FRI SM GRDG TO SLTST TR SH INCL
RPM-70
WOB-50
PP-2350
SPM-115
2 PUMP
9800
(*))
CONN
CONN
5
10
15
20
100
200
300
400
500
SH-50% DK BRN FRM MRLY SLTY I.P. DOLIC BLKY PLTY SLI LMY 50% LT BRN SFT FRM SLI SLTY LMY FLKY SM DULL GOLD FLOR NO CUT
D.T.
CONN
RPM-70
WOB-50
PP-2350
SPM115
SH- GEN AA /TR GY LT GY TR OCH TR GYGN TR QTZ
MUD CK.
8.8+-38--58.4-3-11.0--1275
SS-OCC. TR WH LT GY F VF GR TT FRI I.P. TR SH INCL
CONN
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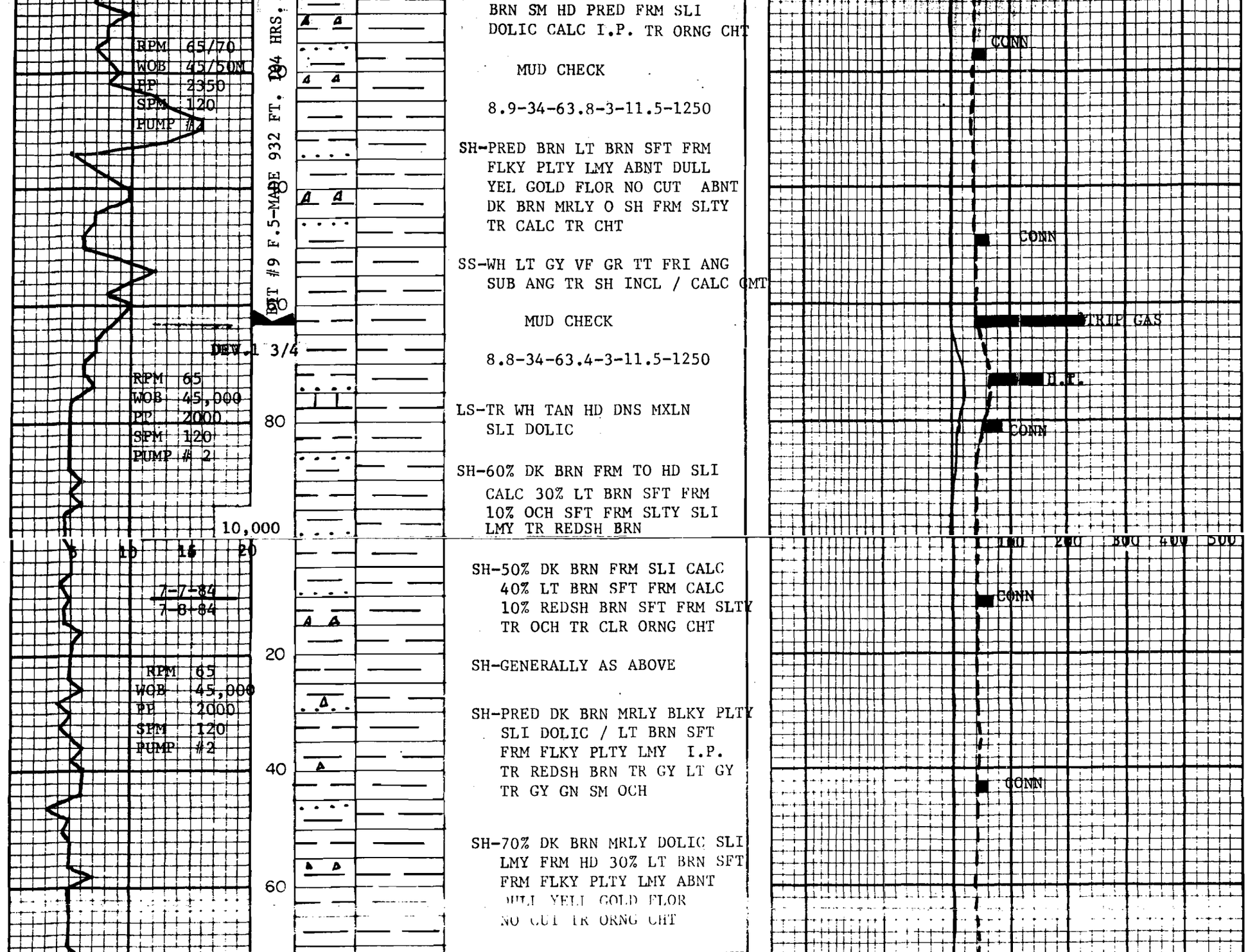
RPM 65/70
WOB 45/50M
PP 2350
SPM 120
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RPM 65
WOB 45,000
PP 2000
SPM 120
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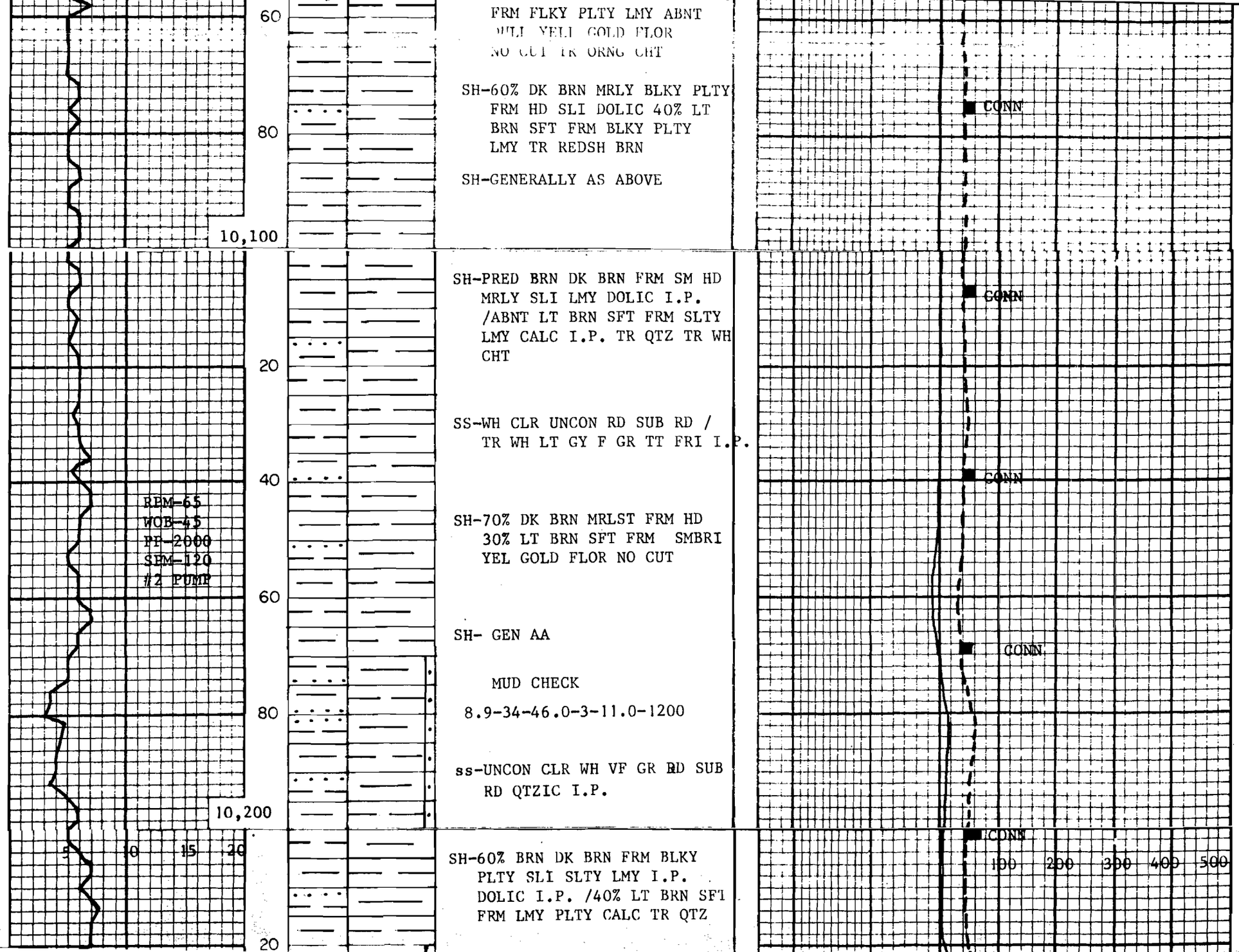
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Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

May 22, 1990

Mr. Chris Denver
P.O. Box 85
Roosevelt, Utah 84066

Dear Mr. Denver:

Re: Application for Injection Well, Helen Larson 2-5A1, Township 1 South, Range 1 West, Section 5, Duchesne County, Utah

The Division has received your application for conversion of the referenced well to injection. A preliminary review shows that several items are lacking and need to be supplied before our review can be completed. Below is a list of items to be addressed:

1 - Plat showing surface and mineral ownership within one-half mile radius of the well.

2 - Well schematics showing present and proposed downhole configurations (casing,tubing,packer,cement etc.).

3 - Laboratory analyses of typical fluid to be injected and of fluid in the formation to be injected into (if not available the formation will need to be sampled prior to injection).

4 - Evidence and data to support a finding that the proposed maximum injection pressure and rate will not initiate fracturing in the injection and confining layers.

5 - Appropriate geological data on the injection interval and confining beds including the geologic name, lithologic description, thickness, depth, and lateral extent and information relative to geologic structure near the proposed well which may effect the conveyance and/or storage of the injected fluids.

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6. An affidavit certifying that a copy of the application has been provided to all operators, owners, and surface owners within one-half mile radius of the proposed well.

7. A detailed description of the proposed conversion procedures.

The Division will continue review of your application upon receipt of the requested information. If you have any questions, please call.

Sincerely,

Gil Hunt
UIC Manager

ldc
cc: R.J. Firth
WOI126

RECEIVED
NOV 2 1990
DIVISION OF
OIL, GAS & MINING

May 23, 1990

Helen Larsen 2-5A1
43-013-30920
Sec. 5 T1S, R 1W

This is to state that Chris Denver and John Chasel has entered into an agreement as co-owners of the Helen Larsen 2-05A1 well. This joint-venture is for the purpose of converting the Helen Larsen well into a Salt water disposal well.

Chris Denver made applications for this disposal well to the State of Utah division of Oil Gas and mining, and also to the United States Environmental Protection Agency. Chris Denver has the surface lease on the Helen Larsen well. John Chasel has on file the mineral lease and borehole rights to the Helen Larsen well. John Chasel is providing the Financial responsiblity for production of the Helen Larsen 2-05A1 well.

Chris Denver and John Chasel has had many years experience involving Oil and gas wells within the Uintah Basin Altamont-Bluebell field.

If you have any questions please contact either party for conversation concerning these matters.

Sincerely,

Chris Denver

Chris Denver

Sincerely,

John Chasel

John Chasel
1-700-9999 (Chris Denver)

RECEIVED
MAY 31 1990
OIL, GAS & MINING

May 30, 1990

State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
Attention: Gil Hunt
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Hunt:

I received your letter dated May 22, 1990 in matters concerning the application for injection of the Helen Larson 2-5A1, Township 1 South Range 1 West, section 5.

Below is a list of items that you wanted me to address:

1. Plat showing surface and mineral ownership within one-half mile radius of the well. (See enclosed exhibit marked 10A)

2. Well schematics showing present and proposed downhole configurations (casing,tubing, packer, cement) (See enclosed exhibit 11A)

3. Laboratory analyses of typical fluid to be injected and of fluid in the formation to be injected into: (See enclosed exhibit 12A)

4. Evidence and data to support a finding that the proposed maximum injection pressure and rate will not initiate fracturing in the injection and confining layers. (see enclosed exhibit marked 13A mud log on section four one mile from this well)

   Evidence of maximum injection pressure that the State and Oil companies use as far as I am aware is .85, So the bottom hole pressure would be .85 X 9,000 feet deep totals 7,650 PSI.
   The gradient for water is somewhere from .433 to .5.
   To figure the static water would be .5 X 9,0000 totals 4,050 psi static water.
   The maximum injection pressure would be:

   7,650 psi bottom hole
   4,050 psi static water
   3,600 maximum injection pressure.

5. Appropriate geological data on the injection interval and confining beds including the geologic name, lithologic description, thickness, depth, and lateral extent and information relative to geologic structure near the proposed well which may effect the conveyance and/or storage of the injected fluids.

   a. Injection interval is upper Green River and is not being produced by offset wells in the area. The disposed zone is confined by tight non-porous shales above and below in the Green River.

   b. The disposal zones are 1,000 feet thick and correlates to another or other wells in the area, giving them considerable lateral extent. There are no geologic structures near the proposed well, other than the stratagraphic nature of the sands. The perforated intervals are as follows: 9,000 to 9,500. The perforated intervals will be determined at exact amounts and location at the time of construction.

6. An affidavit certifying that a copy of the application has been provided to all operators, owners, and surface owners within one-half mile radius of the proposed well. See exhibit 10A for the detailed owners. The following also will occur within 10 days.

   a. A posting of the notice to construct the disposal well at the local Post office in Neola, Utah.

   b. Already I have called Pennzoil, engineer Ralph Williams to discuss this proposal. He indicated that no objection would occur at this point. Pennzoil is the largest operator in this area.

7. A detailed description of the proposed conversion procedures.

   1. If disposal well is approved by the State of Utah and the EPA from Denver then the following would occur.

A. I would hire the locally work over rig,to reenter the well to drill out the plugs to prepare the well for disposal.

B. Set the packer in the well and prepare the casing for perforation.

C. Then perforate the well between 9,000 to 9,500 feet.

D. Set the tubing and prepare the surface equipment for preparation for disposal water.

E. All this information will be documented by the Work over company. The well will be pressured up at the time and stage necessary to meet the State of Utah standards.

F. Cement pads would be poured on the surface for the convenience of truck drivers for disposal of water. Pumps will be installed to pump off the trucks into Large disposal tanks.

G. These tanks will be hooked-up to the well-head and pumped down well-hole for disposal.

H. There are alot other details that I could go into that would cover page upon page of construction. This is a brief outline of the disposal well.

I. Tests of work over rigs will be provided to the State of Utah Oil and gas when completed by the Work-over company.

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 7, 1990

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

Re: Cause No. UIC-121

Enclosed is a Notice of Agency Action before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa Clement

Lisa Clement
Administrative Secretary

ldc
Enclosure
WOI127/10

an equal opportunity employer

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 7, 1990

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Gentlemen:

Re: Cause No. UIC-121

Enclosed is a Notice of Agency Action before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa Clement

Lisa Clement
Administrative Secretary

ldc
Enclosure
WOI127/9

an equal opportunity employer

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

June 7, 1990

Mr. Chris Denver
P.O. Box 85
Roosevelt, Utah 84066

Dear Mr. Denver:

Re: Conversion of the Helen Larson 2-5A1 Well Located in Section 5, Township 1 South, Range 1 West, U.S.M., Duchesne County, Utah, to a Salt Water Disposal Well

The purpose of this letter is to notify you that the Division of Oil, Gas and Mining will publish a notice of agency action to solicit public comment on the referenced well conversion. The Division will accept comments for a period of 15 days after the notice has appeared in the Salt Lake Tribune and the Uinta Basin Standard. If after 15 days there are no objections to this action, the Division will grant administrative approval to convert the referenced well to a salt water disposal well.

This approval will be contingent on the following conditions and stipulations:

1. The application for permit to reenter the well shall be submitted and approved by the Division prior to conversion. Additionally, a surety bond or other proper means of financial responsibility conditioned for the purpose of plugging and abandoning the well and restoring the well site shall be filed with the Division.

2. All operators, owners, and surface owners within a one-half mile radius of the proposed injection well must be given written notice of the planned conversion of the well. Said notice shall state that a copy of the application will be made available for review upon their request. An affidavit certifying that this notice was sent to all operators, owners and surface owners shall be submitted to the Division.

3. The approved zone of injection will be from a depth of 9,000 - 9,500 feet in the Tertiary Green River Formation.

4. A step rate test shall be performed to determine the maximum allowable injection pressure and rate.

5. A mechanical integrity test shall be performed after completion operations and prior to commencement of injection. The casing/tubing annulus shall be tested to a pressure not less than the maximum authorized injection pressure, or to a pressure of 1000 psi, whichever is lesser, provided that the well be tested to a minimum pressure of 300 psi.

6. The Division shall be given advanced notice of any planned physical alterations or additions to the well.

7. The operator shall submit the monthly injection report and the annual injection report with a copy of the annual fluid analysis report to the Division as required by rule.

8. Approval from the U.S. Environmental Protection Agency, will also be necessary in accordance with the appropriate federal regulations.

If you have any questions regarding this matter please feel free to call me at (801)538-5340.

Sincerely,

Gil Hunt
UIC Manager

DJJ/ldc
cc: EPA, Denver
R.J. Firth
WOI141

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

Publication Notices were sent to the following:

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Mr. Chris Denver
P.O. Box 85
Roosevelt, Utah 84066

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078

Greg Oberly
Environmental Protection Agency
999 18th Street, Suite 500
Denver, Colorado 80202

Richard Larsen
P.O. Box 2059
17 East 300 North
Provo, Utah 84603

Lisa Clement

Lisa Clement
Administrative Secretary
June 11, 1990

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune (NAC) DESERET NEWS

CUSTOMER'S COPY

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CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	BILLING DATE
DIV. OF OIL, GAS/MINING ATTN: BARBARA L. DUMAS 355 W NO TEMPLE, #350 SALT LAKE CITY, UT 84180	LE-5385340	06/16/90

FOR BILLING INFORMATION
CALL (801) 237-2822

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTIONCAUSE NO. UIC-121BEFOR FOR DIV. OF OIL, GAS/MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCURATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON JUN 16 1990

SIGNATURE G. J. Anderson

DATE 06/16/90

NOTARY PUBLIC
G. J. ANDERSON
143 South Main
Salt Lake City Utah 84111
My Commission Expires
November 15 1993
STATE OF UTAH

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-121
BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH
IN THE MATTER OF THE APPLICATION OF CHRIS DENVER FOR ADMINISTRATIVE APPROVAL OF THE HELEN LARSON 2-5A1 WELL, LOCATED IN SECTION 10, TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M., DUCHESNE COUNTY, UTAH AS A SALT WATER DISPOSAL WELL
THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER:
Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Chris Denver for administrative approval of the Helen Larson 2-5A1 Well, located in Section 5, Township 1 South, Range 1 West, Duchesne County, Utah, for conversion to a Salt Water Disposal Well. The proceeding will be conducted according to the provisions of the Administrative Procedures rules, R615-10.
The operating data for the well is as follows:
Injection Interval: 9000' to 9500' Tertiary Green River Formation, Maximum Injection Rate/Surface Pressure: To be determined after testing
Administrative approval of this application will be granted unless an objection is filed within fifteen days after publication of this notice by any person authorized to participate as a party in this adjudicative proceeding. If an objection is received by the Division, a formal adjudicative proceeding will be scheduled before the Board of Oil, Gas and Mining.
DATED this 7th day of June, 1990.
STATE OF UTAH
DIV. OF OIL, GAS & MINING
/s/ R.J. Firth
Assoc. Director, Oil & Gas
6D820080

ACCOUNT NAME	TELEPHONE
IV. OF OIL, GAS/MINING	801-538-5340

SCHEDULE	AD NUMBER
JUN 16 1990	6D820080

CUST. REF. NO.	CAPTION	MISC. CHARGES
SE NO UIC-121	NOTICE OF AGENCY ACTIONCAUSE NO. UIC-121BEFOR	.00

SIZE	TIMES	RATE	AD CHARGE
58 LINES	1	1.56	90.48

E AND PAYABLE ON RECEIPT OF THIS INVOICE — TOTAL AMOUNT DUE 90.48

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WITH YOUR PAYMENT IN THE ENCLOSED ENVELOPE

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LE-5385340	6D820080	06/16/90	90.48

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SALT LAKE CITY, UTAH 84145-0838

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NEWSPAPER AGENCY CORPORATION

DIV. OF OIL, GAS/MINING
ATTN: BARBARA L. DUMAS
355 W NO TEMPLE, #350
SALT LAKE CITY, UT 84180

0766047062008020000000000000090481877158173119131111111111111110159

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION OF CHRIS DENVER FOR ADMINISTRATIVE APPROVAL OF THE HELEN LARSON 2-5A1 WELL, LOCATED IN SECTION 10, TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M., DUCHESNE COUNTY, UTAH AS A SALT WATER DISPOSAL WELL	:	NOTICE OF AGENCY ACTION CAUSE NO. UIC-121

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Chris Denver for administrative approval of the Helen Larson 2-5A1 Well, located in Section 5, Township 1 South, Range 1 West, Duchesne County, Utah, for conversion to a Salt Water Disposal well. The proceeding will be conducted according to the provisions of the Administrative Procedures rules, R615-10.

The operating data for the well is as follows:

Injection Interval: 9000' to 9500' Tertiary Green River Formation
Maximum Injection Rate/Surface Pressure: To be determined after testing

Administrative approval of this application will be granted unless an objection is filed within fifteen days after publication of this notice by any person authorized to participate as a party in this adjudicative proceeding. If an objection is received by the Division, a formal adjudicative proceeding will be scheduled before the Board of Oil, Gas and Mining.

DATED this 7th day of June, 1990.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

R.J. Firth
Associate Director, Oil and Gas

WOI127/8

AFFIDAVIT OF PUBLICATION

County of Duchesne, STATE OF UTAH } ss.

I, on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for one consecutive issues, and that the first publication was on the 20th day of June, 1990, and that the last publication of such notice was in the issue of such newspaper dated the 20th day of June, 1990

Subscribed and sworn to before me this 20th day of June, 1990

Mary Stewart
Notary Public.

My commision expires March 1, 1994

Publication fee, $

MARY STEWART
NOTARY PUBLIC • STATE of UTAH
268 SOUTH 200 EAST
ROOSEVELT, UTAH 84066
COMM. EXP. 3-1-94

NOTICE OF AGENCY ACTION

CAUSE NO. UIC-121

BEFORE THE DIVISION OF OIL, GAS AND MINING, DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH.

IN THE MATTER OF THE APPLICATION OF CHRIST DENVER FOR ADMINISTRATIVE APPROVAL OF THE HELEN LARSON 2-5A1 WELL, LOCATED IN SECTION 10, TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M., DUCHESNE COUNTY, UTAH AS A SALT WATER DISPOSAL WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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The operating data for the well is as follows:

Injection Interval: 9000' to 9500' Tertiary Green River Formation Maximum Injection Rate/ Surface Pressure: To be determined after testing.

Administrative approval of this application will be granted unless an objection is filed within fifteen days after publication of this notice by any person authorized to participate as a party in this adjudicative proceeding. If an objection is received by the Division, a formal adjudicative proceeding will be scheduled before the Board of Oil, Gas and Mining.

DATED this 7th day of June, 1990.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
R.J. Firth
Associate Director, Oil and Gas
WOI127/8

Published in the Uintah Basin Standard June 20, 1990.

FORM 3

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED AUG 01 1990 DIVISION OF

(RE-ENTRY APPLICATION)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

9. Well No.
HELEN LARSEN

10. Field and Pool, or Wildcat
BLUEBELL-GREENRIVER

11. QQ, Sec., T., R., M., or Blk. and Survey or Area
SECTION 5, T1S,R1W

1a. Type of Work
DRILL ☐ DEEPEN ☐ PLUG BACK ☐

b. Type of Well
Oil Well ☐ Gas Well ☐ Other Disposal well Single Zone ☐ Multiple Zone ☐

2. Name of Operator
Chris Denver

3. Address of Operator
P.O. Box 85, Roosevelt, Utah 84066

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface Township 1 South, Range 1 West, Section 5
Helen Larson 2-05A1
At proposed prod. zone 43-013-30920

14. Distance in miles and direction from nearest town or post office*
One/half mile from Neola, Utah

12. County or Parrish
DUCHESENE

13. State
UTAH

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

16. No. of acres in lease
Three

17. No. of acres assigned to this well
Three

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. Ute Tribal 1-32Z1

19. Proposed depth

20. Rotary or cable tools

21. Elevations (Show whether DF, RT, GR, etc.)

22. Approx. date work will start*
(as soon as EPA gives approval who knows)

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
9 5/8	7"		already in place	already in place
			will run tests for pressure both.	

Will put a workover Rig on site to drill out the plugs has records indicate from Linmar Energy Corporation location of plugs. (Will supply additional information when available about reentry of the well and what procedures will be accomplished when we get closer for re-entry). The proposed zone of injection will be from a depth of 9,000 - 9,500 feet in the Tertiary Green River Formation. After re-entry a casing and tubing annualus shall be tested to a pressure not less than the maximum authorized injection pressure, or to a pressure of 1000 psi, whichever is lesser, provided that the well be tested to a minimum pressure of 300 psi. As mentioned above a step rate test shall be performed to determine the maximum allowable injection pressure and rate. I would like to re-enter this well and convert this well to a Salt water disposal well, this is why I am making this application for re-entry.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed Chris H. Denver Title Lessor-Owner Date July 31, 1990

(This space for Federal or State office use)

API NO. ..... Approval Date .....

Approved by ..... Title ..... Date .....

Conditions of approval, if any:

*See Instructions On Reverse Side

(3/89)

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

August 29, 1990

Mr. Chris Denver
P.O. Box 85
Roosevelt, Utah 84066

Dear Chris:

Re: Conversion of Helen Larson 2-5A1 Well, Section 5, Township 1 South, Range 1 West, U.S.M., Duchesne County, Utah, to a Water Disposal Well

In accordance with Rule R615-5-3(3), the Oil and Gas Conservation General Rules, administrative approval for conversion of the referenced well to a Class II injection well is granted.

The following actions are necessary to fully comply with this approval:

1. Compliance with the UIC requirements for operation, maintenance and reporting for Class II injection wells.

2. Conformance with all conditions of the submitted application and the additional conditions and stipulations in the attached letter dated June 7, 1990, from Gil Hunt, UIC Manager.

If you have any questions regarding this approval or the necessary requirements, please contact this office.

Best regards,

for Dianne R. Nielson
Director

ldc
Attachment
cc: BLM, Vernal
EPA, Denver
WUI10

an equal opportunity employer

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

November 16, 1990

Chris Denver
P.O. Box 85
Roosevelt, Utah 84066

Dear Mr. Denver:

Re: Application for Permit to Re-Enter Helen Larsen 2-5A1 Well, Section 5, Township 1 South, Range 1 West, Duchesne County, Utah

Your application for permit to re-enter the referenced plugged and abandoned well has been reviewed by the Division and found to be incomplete and deficient. Therefore, we are returning the application for your further action.

We are enclosing a copy of the Oil and Gas Conservation General Rules for your reference in preparing a proper application for resubmittal. Your attention is directed particularly to:

1) Rule R615-3-1, Bonding, and
2) Rule R615-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back.

Upon receipt of the properly prepared application we will continue the procedures to process your application. If you have questions regarding this matter, please contact me or Gil Hunt at this office.

Sincerely,

R.J. Firth
Associate Director, Oil and Gas

GLH/ldc
WUI15

an equal opportunity employer

RECEIVED
NOV 23 1990
DIVISION OF
OIL, GAS & MINING

November 21, 1990

State of Utah
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Firth:

Reference is made to your letter dated November 16, 1990 concerning the Application for permite to re-enter the Helen Larsen well for the pupose of disposal.

I re-submitt my application again for approval. Rule R615-3-4 2.4 indicates that I must submit a plat or map of the well and this map must be certified by a surveyor or engineer. I have hired the engineering firm Jerry Allred and Assocates to survey the well, from section lines and plot that information on a map. He should have that information completed on Wensday November 28, 1990. I will forward that information to you as soon as I receive the report.

I am enclosing the additional application information. I would like to get this operation under-way as soon as possible. I have been Six months waiting presenting information to the EPA and finally it looks like we are getting closer to approval.

So if you have any questions please let me know, the sooner I get approval the sooner I can prepare the well for disposal. If you need any other additional information please contact me as soon as possible. I will be glad to drop what ever I am doing and take care of any problem or get any information that is needed to get this project done. I am tried of waiting.

Sinderely,

Chris Denver

FORM 3

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED AUG 01 1990
DIVISION OF OIL, GAS & MINING

(RE-ENTRY APPLICATION)

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

NOV 23 1990

8. Farm or Lease Name

9. Well No.
HELEN LARSEN

10. Field and Pool, or Wildcat
BLUEBELL-GREENRIVER 065

11. QQ, Sec., T., R., M., or Blk. and Survey or Area
SECTION 5, T1S,R1W

12. County or Parrish: DUCHESENE

13. State: UTAH

1a. Type of Work: DRILL ☐ DEEPEN ☐ PLUG BACK ☐

b. Type of Well: Oil Well ☐ Gas Well ☐ Other [redacted] Single Zone ☐ Multiple Zone ☐

2. Name of Operator
Chris Denver &/or John Chasel

3. Address of Operator
P.O. Box 85, Roosevelt, Utah 84066

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface Township 1 South, Range 1 West, Section 5 SENW
Helen Larson 2-05A1
At proposed prod. zone 43-013-30920

14. Distance in miles and direction from nearest town or post office*
One/half mile from Neola, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

16. No. of acres in lease: Three

17. No. of acres assigned to this well: Three

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. Ute Tribal 1-32Z1

19. Proposed depth

20. Rotary or cable tools

21. Elevations (Show whether DF, RT, GR, etc.)

22. Approx. date work will start*
(as soon as EPA gives approval who knows)

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
9 5/8	7"		already in place	already in place
			will run tests for pressure both.	

SEE ATTACHMENT A

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed: Chris H Denver Title: Lessor-Owner Date: July 31, 1990

(This space for Federal or State office use)

API NO. ..... Approval Date .....

Approved by ..... Title ..... Date .....

Conditions of approval, if any:

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS AND MINING
DATE: 2-25-91
BY: J.R. Matthews
WELL SPACING: ~~131-14~~ R615-3

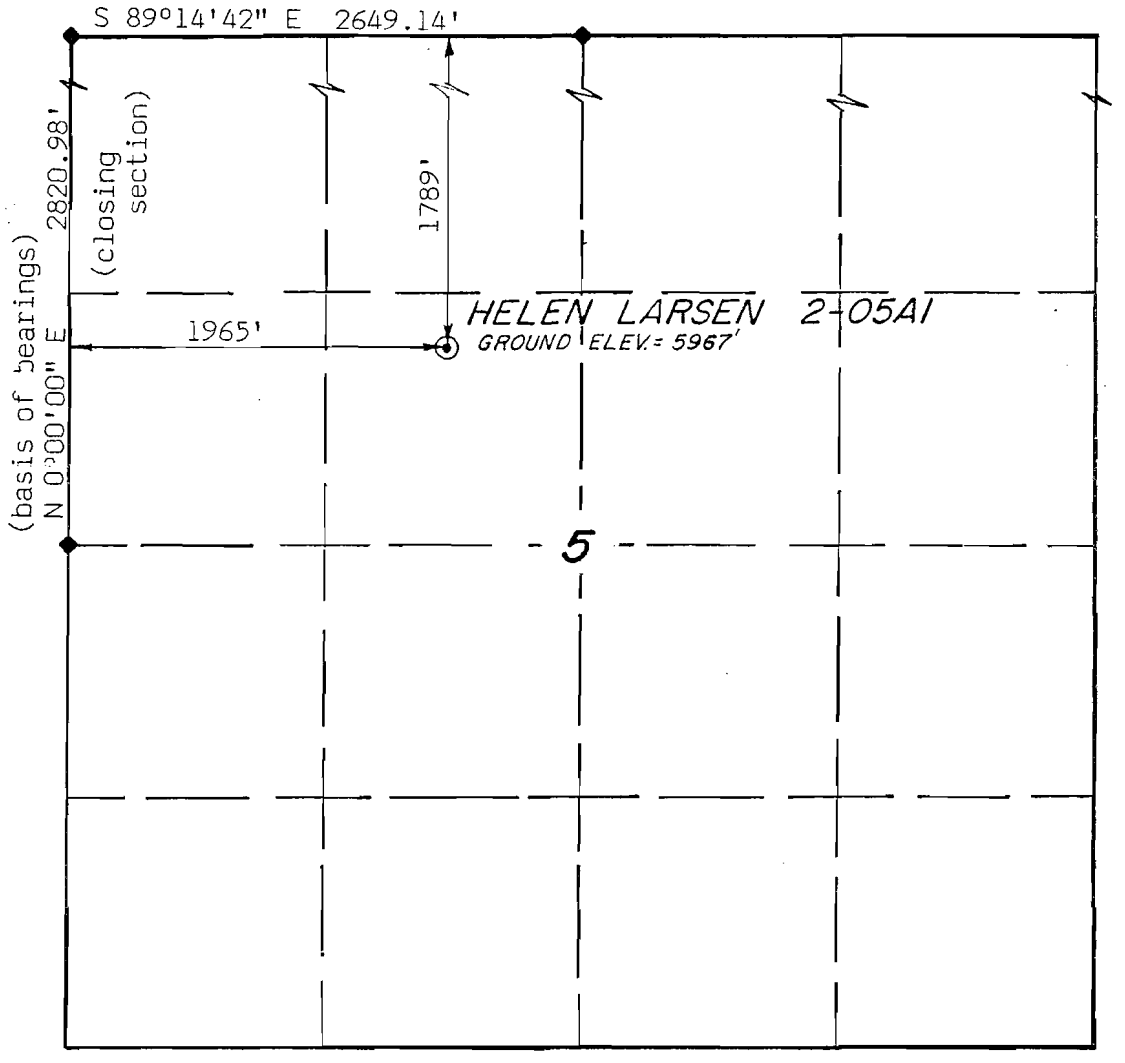
*See Instructions On Reverse Side

(3/89)

CHRIS DENVER & JOHN CHASEL
WELL LOCATION PLAT
HELEN LARSEN 2-05A1

NOV 27 1990

LOCATED IN THE SE¼ OF THE NW¼ OF SECTION 5, T1S, R1W, U.S.B.&M.



Scale: 1"=1000'

LEGEND & NOTES

◆ Monuments found and used by this survey.

The General Land Office plat was used for reference and calculations.

An elevation of 6011' above sea level at the road intersection at the N¼ Corner of Section 5 as indicated on the USGS map was used as the basis of bearings.

SURVEYOR'S CERTIFICATE

I hereby certify that this plat was prepared from the notes of an acutal survey performed by me, during which the shown monuments were found or established.

Jerry D. Allred

Jerry D. Allred, Registered Land Surveyor, Cert. No. 3817 (Utah)

JERRY D. ALLRED & ASSOCIATES
Surveying & Engineering Consultants
121 North Center Street
P.O. Drawer C
DUCHESNE, UTAH 84021
(801) 738-5352

24 Nov '90

90-124-001

ATTACHMENT A

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

R615-3-4

1. Application form 3 is submitted and attached, enclosed. Submitted on July 31, 1990, State Division of Oil, Gas and mining received Aug. 1, 1990. See 43-013-30920

2.1. (801) 722-2922, Chris Denver, Person to contact if additional information is needed.

2.2 Identification of lease is fee owner, and fee mineral.

2.3 Well is located in the Altamont-bluebell field in the State of Utah. Township 1 South, Range 1 West, Section 5.

2.4 See enclosed plat map,

2.5 Water approval will be as follows: I plan to use only a maximum amount of water of 2,000 barrels. I plan to approach the City of Roosevelt or the City of Neola for fresh water. If needed I plan to use non-producing water if needed.

2.6 Drilling Program: See below for

2.6.1 Geologic markers:

Duchesne River Formation is from 2,800 feet to surface
Uintah Formation 2,800 to 6,683
Green River Formation 6,683 to Watasch Formation 11,355'

2.6.2 I will be perforating the zone from 9,000 to 9,500 feet somewhere in between more or less. Before injection a Mechanical integrity test shall be performed after completion operations and prior to commencement of injection. The casing/tubing annulus shall be tested to a pressure not less than the maximum authorized injection pressure. This should protect the resources such as anticipated water, oil, gas and other mineral-bearing material.

2.6.3. The minimum specifications for pressure control equipment to be used would be 3000 psi - double Ram preventer- remote accumulator with work over Rig.

2.6.4 The drilling equipment is the best equipment available in the area for re-entery of the well for salt water disposal.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2.6.5 Move in rig workover rig from Western Oil well Service and prepare rig for re-entry. Well-head is already removed due to the well being in the state of plugged. Since the well is already killed, will not have to pump 40 to 50 bbls of water downhole to kill well. Begin to drill out cement plugs in hole. After Drilling out cement plugs. While this process is performed the Roustabout service company will be preparing the service tanks and equipment for operations of disposal well. (Including the installation of casing head and tubing head). Tubing will be delivered before the work-over rig prepares of drilling. All equipment will be supplied for drilling by Western Oil Well Service and tool pusher. Perf's will be determined at that time somewhere from 20 to 70 perfs maybe performed. I will give the perf locations to the State Oil, gas and mining when they are completed. The packer will be set and proper depth of state approval on application. A chemical company will be hired such as Dalwell or Haliburton to run the injection tests as indicated in application. The appropriate pressure gauges will be installed for testing and evaluation of future disposal pressures and volumes. The monitoring system for mudding and logging will be performed by local companies or engineers as needs be to perform the proper test available.

2.6.6 The anticipated type and amount of testing, logging and corring will be performed by Dalwell or Haliburton for tests performed inbehalf of the State of Utah and EPA on well.

2.6.7. The expected bottom hole pressure and any anticipated abnormal pressure or temperatures or potential hazards, such as hydrogen sulfide expected, is not expected. Should not be any abnormal pressure or temperatures or potiential hazard material. No hydrogen sulfide expected. This well was drilled at one time and on drilling reports no hazard material shown up or hydrogen sulfide.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

2.6.8 Any other facets of the proposed operations. The operator has contacted the surface owners and has enter-into an agreement with surface owners for the proposed well. Also, the operators have entered into an agreement with the mineral owners for purposes of well-bore rights. So all surface owners are aware of the application for a disposal well. On the wellsite No illegal drugs, alcoholic beverages or weapons of any kind will be allowed on these premises. Persons under the influence of drugs or alcohol are not permitted beyond this point. Operator will make his employee's knowledgeable of these policies and that he will obtain concsent that they are subject to search at any time while working for operator.

To summarize the APD as follows:

1. Surface Formation: Uinta Formation

2. Estimated Formation Tops:

Green River Formation:	6,683
Wasatch Formation:	11,355

3. Expected Mineral Bearing Depths:

Fresh Water	Surface to 500'
Saline Water	500' to TD
Oil & Gas	7,500' to TD

4. Casing Program:

The existing casing in the well will be utilized. 7", 29# casing is presently set at 11,870 A CIBP has been set @ 11,410 at one time. Plan to put a packer at the proper depth as approved by the State and EPA.

5. Pressure Control: (See attached Diagram if needed)

Minuium 3000 PSI double rams with Spherical BOP. BOP's to be tested to 3000 psi after installation and operated daily.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. Drilling Mud:

Fresh gel mud, weighted with barite was used when Linmar Energy prepared the well. If necessary minimum of 200 bbls of mud will be maintained in the mud tanks during normal operations. A minimum of 1000 sacks of barite will be on location if needed at the time.

7. Auxillary Equipment: (If needed)

(1) Top and bottom kelly cocks, (2) PVT equipment, (3) Stabbing valve will be maintained on the drilling floor. A choke manifold with automatic choke, and a gas buster will also be available, when drilling if needs be.

8. Formation Evaluation:

No cores or DST's are anticipated.

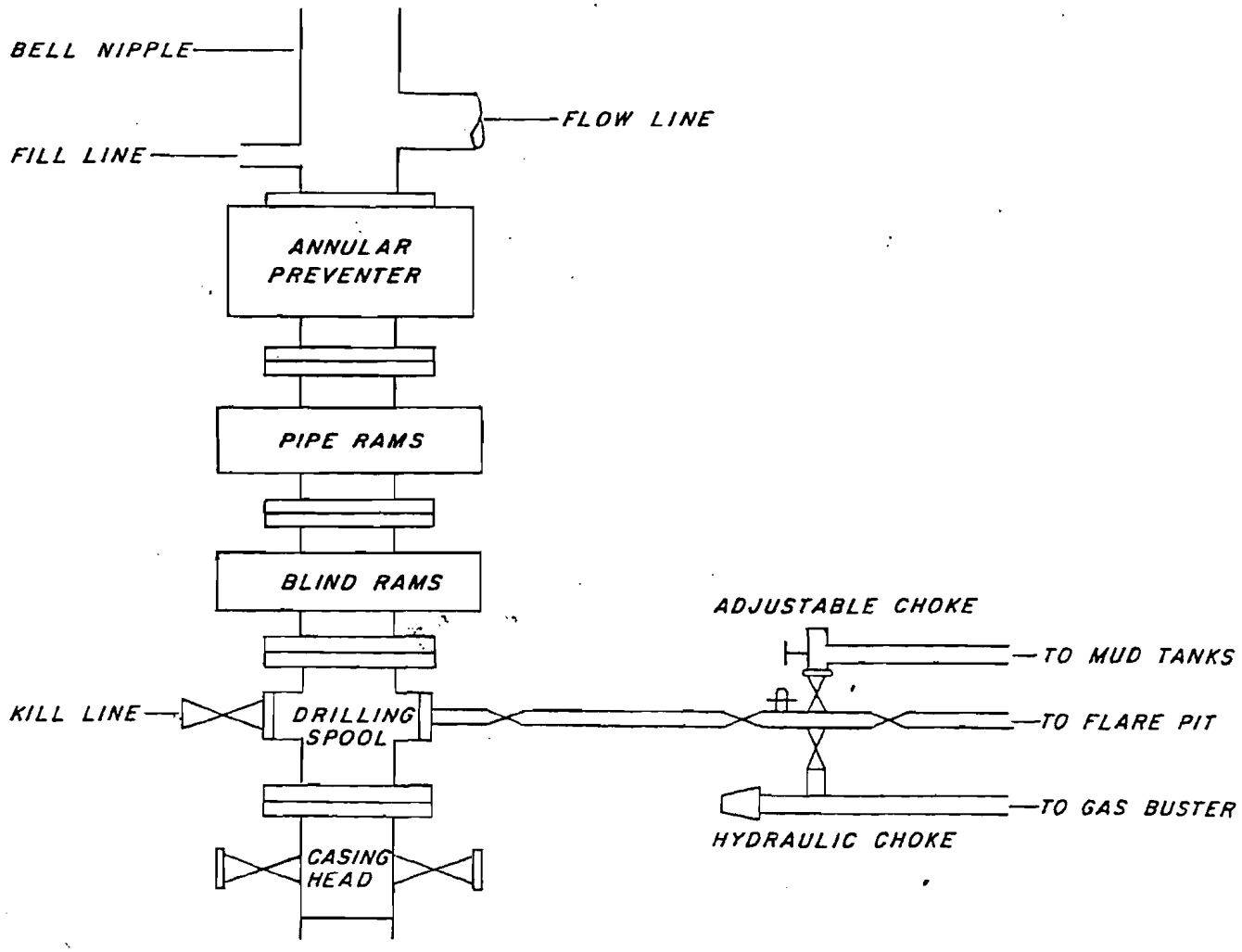
9. Drilling Hazards:

Overpressured intervals might be to some extent at the Wasatch formation, but I am not going down to that depth. If necessary of which I do not see at this time, a Pressure control equipment, weighted muds, and mud monitoring, previously outlined, will be adequate to maintain control of the well. No other drilling Hazards are anticipated.

10. Timing:

The anticipated date for re-entry could be as soon as January 15, 1991, Estimated drilling time from 5 - to 20 days. (This depends on permits from the State of Utah and EPA in Denver. The completion will take another 15 days more or less.

OW OUT PREVENTION EQUI ENT



Minimum 3,000 PSI BOPE is to be installed after cutting window in 7" csg.

The pipe rams and blind rams are to be tested to 3,000 PSI and the annular preventer to 1,500 PSI prior to drilling out shoe.

All auxillary BOPE will be tested to appropriate pressures when BOP'S are tested. (Manifold, upper and lower Kelly cocks, valves, and inside BOP).

After drilling the shoe, the casing seat will be pressure tested to an equivalent mud weight of 13.5 ppg.

Bond No. 3S 568 603 00

KEMPER GROUP

SURETY BOND ENDORSEMENT

To be attached to and form a part of OIL WELL DRILLING Bond, issued by the undersigned Company, as Surety, on behalf of JOHN CHASEL DBA: QUINEX ENERGY as Principal, and in favor of STATE OF UTAH - DEPARTMENT OF NATURAL RESOURCES, as Obligee.

Effective January 27, 19 86, the Principal and the Surety hereby agree to amend the attached Bond as follows:

The bond amount is hereby increased from: $50,000.00

to: $80,000.00

Provided that the liability under this endorsement shall be part of, and not in addition to, the liability under the attached bond, and in no event cumulative.

Nothing herein contained shall vary, alter or extend any of the provisions, conditions, or other terms of this bond except as above stated.

Signed, sealed and dated this 17th day of February, 19 86.

STATE OF
COUNTY OF } ss:

I, Lisa Johnson a Notary Public in and for the state and county aforesaid, do hereby certify that Loraine M. Wilson of the Lumbermens Mutual Casualty Company, who is personally known to me, appeared before me this day and acknowledged that he signed, sealed and delivered the foregoing instrument as his free and voluntary act as Attorney in fact of the Lumbermens Mutual Casualty Company, and as the free and voluntary act of the Lumbermens Mutual Casualty Company, for the uses and purposes therein set forth.

Given under my hand and Notarial Seal this 17th day of February, A.D. 19 86.

OFFICIAL SEAL
LISA JOHNSON
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY
My Commission Expires May 21, 1989

Lisa Johnson
Notary Public

My commission expires

NOTARIAL JURAT
K 230 2-84 5M

PRINTED IN U.S.A.

Bond No. 3S 568 603 00

DUPLICATE ORIGINAL

KEMPER GROUP

SURETY BOND ENDORSEMENT

To be attached to and form a part of OIL WELL DRILLING Bond, issued by the undersigned Company, as Surety, on behalf of JOHN CHASEL DBA: CHASEL ENERGY as Principal, and in favor of STATE OF UTAH-DEPARTMENT OF NATUPAL RESOURCES, as Obligee.

Effective December 9, 19 85, the Principal and the Surety hereby agree to amend the attached Bond as follows:

The Principals Name is changed from: JOHN CHASEL DBA: CHASEL ENGERY

to: JOHN CHASEL DBA: QUINEX ENERGY

Provided that the liability under this endorsement shall be part of, and not in addition to, the liability under the attached bond, and in no event cumulative.

Nothing herein contained shall vary, alter or extend any of the provisions, conditions, or other terms of this bond except as above stated.

Signed, sealed and dated this 16th day of January, 19 86.

JOHN CHASEL DBA: QUINEX ENERGY
Name of Principal

By _____
Title

LUMBEPMENS MUTUAL CASUALTY COMPANY
Surety

By Loraine M. Wilson
Loraine M. Wilson, Attorney in fact

ACCEPTED:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
Name of Obligee

By _____
Title

Endorsement No: 2

Bond No. 3S 568 603 00

DUPLICATE ORIGINAL

Kemper GROUP

SURETY BOND ENDORSEMENT

To be attached to and form a part of OIL WELL DRILLING Bond, issued by the undersigned Company, as Surety, on behalf of JOHN CHASEL DBA: CHASEL ENERGY as Principal, and in favor of STATE OF UTAH-DEPARTMENT OF NATURAL RESOURCES, as Obligee.

Effective December 9, 19 85, the Principal and the Surety hereby agree to amend the attached Bond as follows:

The Principals Name is changed from: JOHN CHASEL DBA: CHASEL ENGERY

to: JOHN CHASEL DBA: QUINNX ENERGY

Provided that the liability under this endorsement shall be part of, and not in addition to, the liability under the attached bond, and in no event cumulative.

Nothing herein contained shall vary, alter or extend any of the provisions, conditions, or other terms of this bond except as above stated.

Signed, sealed and dated this 16th day of January, 19 86.

STATE OF
COUNTY OF } ss:

I, Lisa Johnson a Notary Public in and for the state and county aforesaid, do hereby certify that Loraine M. Wilson of the Lumbermens Mutual Casualty Company, who is personally known to me, appeared before me this day and acknowledged that he signed, sealed and delivered the foregoing instrument as his free and voluntary act as Attorney in Fact of the Lumbermens Mutual Casualty Company, and as the free and voluntary act of the Lumbermens Mutual Casualty Company, for the uses and purposes therein set forth.

Given under my hand and Notarial Seal this 16th day of January, A.D. 19 86.

Lisa Johnson

Notary Public

My commission expires

OFFICIAL SEAL
LISA JOHNSON
NOTARY PUBLIC - CALIFORNIA
PRINCIPAL OFFICE IN
LOS ANGELES COUNTY
My Commission Expires July 21, 1989

NOTARIAL JURAT
FK 230 2-84 5M

PRINTED IN U.S.A.

PRINTED IN U.S.A.

LUMBERMENS MUTUAL CASUALTY COMPANY
Home Office: Long Grove, IL 60049

Kemper GROUP

POWER OF ATTORNEY

Know All Men By These Presents:

That the Lumbermens Mutual Casualty Company, a corporation organized and existing under the laws of the State of Illinois, and having its principal office in Long Grove, Illinois, does hereby appoint **********
Loraine M. Wilson of Los Angeles, California**********

its true and lawful agent(s) and attorney(s)-in-fact, to make, execute, seal, and deliver during the period beginning with the date of issuance of this power and ending December 31, 1989, unless sooner revoked for and on its behalf as surety, and as its act and deed: Any and all bonds and undertakings provided the amount of no one bond or undertaking exceeds ONE MILLION DOLLARS ($1,000,000.00)**********

EXCEPTION: NO AUTHORITY is granted to make, execute, seal and deliver any bond or undertaking which guarantees the payment or collection of any promissory note, check, draft or letter of credit.

This authority does not permit the same obligation to be split into two or more bonds in order to bring each such bond within the dollar limit of authority as set forth herein.

This appointment may be revoked at any time by the Lumbermens Mutual Casualty Company.

The execution of such bonds and undertakings in pursuance of these presents shall be as binding upon the said Lumbermens Mutual Casualty Company as fully and amply to all intents and purposes, as if the same had been duly executed and acknowledged by its regularly elected officers at its principal office in Long Grove, Illinois.

THIS APPOINTMENT SHALL CEASE AND TERMINATE WITHOUT NOTICE AS OF DECEMBER 31, 1989.

This Power of Attorney is executed by authority of a resolution adopted by the Board of Directors of said Lumbermens Mutual Casualty Company on May 19, 1981 at Long Grove, Illinois, a true and accurate copy of which is hereinafter set forth and is hereby certified to by the undersigned Secretary as being in full force and effect:

VOTED, That the chairman of the board, the chairman, the president, or any vice president, or their appointees designated in writing and filed with the secretary, or the secretary shall have the power and authority to appoint agents and attorneys-in-fact, and to authorize them to execute on behalf of the company, and attach the seal of the company thereto, bonds and undertakings, recognizances, contracts of indemnity and other writings, obligatory in the nature thereof, and any such officers of the company may appoint agents for acceptance of process.

This Power of Attorney is signed, sealed and certified by facsimile under and by authority of the following resolution adopted by the Board of Directors of the company at a meeting duly called and held on the 19th day of May, 1981:

VOTED, That the signature of the chairman of the board, the chairman, the president, any vice president, or their appointees designated in writing and filed with the secretary, and the signature of the secretary, the seal of the company, and certifications by the secretary, may be affixed by facsimile on any power of attorney or bond executed pursuant to resolution adopted by the board of directors on May 19, 1981 and any such power so executed, sealed and certified with respect to any bond or undertaking to which it is attached, shall continue to be valid and binding upon the company.

In Testimony Whereof, the Lumbermens Mutual Casualty Company has caused this instrument to be signed and its corporate seal to be affixed by its authorized officers, this 20th day of September, 1985.

Attested and Certified: **LUMBERMENS MUTUAL CASUALTY COMPANY**

R.H. Johnson, Secretary

By G.H. Kasbohm, Vice President

STATE OF ILLINOIS } ss
COUNTY OF LAKE }

I, Olga W. Bennett, a Notary Public, do hereby certify that G.H. Kasbohm and R.H. Johnson personally known to me to be the same persons whose names are respectively as Vice President and Secretary of the Lumbermens Mutual Casualty Company, a Corporation of the State of Illinois, subscribed to the foregoing instrument, appeared before me this day in person and severally acknowledged that they being thereunto duly authorized signed, sealed with the corporate seal and delivered the said instrument as the free and voluntary act of said corporation and as their own free and voluntary act for the uses and purposes therein set forth.

Olga W. Bennett, Notary Public

My commission expires: November 18, 1988

FA 362-6 7-85 1M

PRINTED IN U.S.A.

CERTIFICATION

I, Sven L. Johanson, Secretary of the Lumbermens Mutual Casualty Company, do hereby certify that the attached Power of Attorney dated September 20, 1985 on behalf of Loraine M. Wilson of Los Angeles, California********** is a true and correct copy and that the same has been in full force and effect since the date thereof and is in full force and effect on the date of this certificate; and I do further certify that the said G.H. Kasbohm and R.H. Johnson who executed the Power of Attorney as Vice President and Secretary respectively were on the date of the execution of the attached power of Attorney the duly elected Vice President and Secretary of the Lumbermens Mutual Casualty Company.

IN TESTIMONY WHEREOF, I have hereunto subscribed my name and affixed the corporate seal of the Lumbermens Mutual Casualty Company on this 16th day of January, 1986.

SEAL

Sven L. Johanson, Secretary

This Power of Attorney limits the acts of those named therein to the bonds and undertakings specifically named therein, and they have no authority to bind the Company except in the manner and to the extent herein stated.

4 0875

OPERATOR Chris Dunn & for John Chisel DATE 11-23-70

WELL NAME Helen Larsen V-5A1

SEC 5 T 1S R 1W COUNTY Duchesne

SENW

43-013-30920	Fee
API NUMBER	TYPE OF LEASE

CHECK OFF:

✓ PLAT	✓ BOND 3956860300 80.000	✓ NEAREST WELL
✓ LEASE	✓ FIELD USBM	✓ POTASH OR OIL SHALE

PROCESSING COMMENTS:

Re entry of old Lumar Energy Corps plugged well for the purpose of making a water ~~injection~~ disposal well.

APPROVAL LETTER:

SPACING: [ ] R615-2-3 N/A UNIT [ ] R615-3-2

[✓] ~~131-14 8-11-71~~ CAUSE NO. & DATE [X] R615-3-~~X~~ Drilling and Operating Procedures.

STIPULATIONS:

D218T

December 28, 1990

RECEIVED
DEC 31 1990
DIVISION OF
OIL, GAS & MINING

State of Utah
Division of Oil, Gas & Mining
Attention: Gil Hunt
355 West North Temple
3 Traid Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Application for permit Helen Larsen 2-5A1, section 5, Township 1 South, Range 1 West, Duchesne County, Utah

43-013-30920

Dear Gil:

I called you a few days ago in reference of allowing me to move the injected zone for the above reference well from 9,000 to 8,500 feet. I am requesting for this additional interval of 500 feet.

Enclosed is a copy of the public notice from EPA for above reference well. If all goes well I should have approval from EPA on February 10, 1991. So during this 30 day soliciting for public comment from EPA, I thought if possible could I get approval from your office to dispose from 8,500 feet to 9,500 feet. I made application with you for the 9,000 to 9,500 level. But, I think it would benefit all parties if I could get the additional 500 feet.

If you would let me know if we need to send out a sundry notice or what procedure I need to follow. I appreciate your help Gil and hopefully I will have this well on line sometime in February or March.

Sincerely,

Chris Denver

Chris Denver

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
JAN 04 1991

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

5. LEASE DESIGNATION & SERIAL NO. FEE	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME N/A	
1. OIL WELL [ ] GAS WELL [X] OTHER Disposal Water well	7. UNIT AGREEMENT NAME N/A
2. NAME OF OPERATOR Chris Denver	8. FARM OR LEASE NAME Helen Larsen
3. ADDRESS OF OPERATOR P.O. Box 85, Roosevelt, Utah 84066	9. WELL NO. 2-05A1
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface; At proposed prod. zone 9,000 to 9,500 feet	10. FIELD AND POOL, OR WILDCAT Bluebell
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 5, T1S,R1W
14. API NO. 43-013-30920	15. ELEVATIONS (Show whether DF, RT, GR, etc.)
12. COUNTY Duchesne	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF		PULL OR ALTER CASING		WATER SHUT-OFF		REPAIRING WELL	
FRACTURE TREAT		MULTIPLE COMPLETE		FRACTURE TREATMENT		ALTERING CASING	
SHOOT OR ACIDIZE		ABANDON		SHOOTING OR ACIDIZING		ABANDONMENT*	
REPAIR WELL		CHANGE PLANS	X	(Other) Prepare for disposal well	X		
(Other)				(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)			
APPROX. DATE WORK WILL START Feb. 15, 1991				DATE OF COMPLETION March 1, 1991			

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Permit number 43-013-30920

Requesting an additional 500 feet for an injection interval. From 8,500 feet to 9,00 feet. So the total upper Green River injected interval would be 8,500-9,500 feet. (The gross injected zone). The first preparation zone as requested on application was 9,000 to 9,500. Therefore at this time I am requesting an additional 500 feet above the 9,000 foot depth, to 8,500 feet.

*APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 1-8-91
BY: [illegible]

18. I hereby certify that the foregoing is true and correct

SIGNED Chris Denver TITLE Owner & Operator DATE Jan. 3, 1991

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: Federal Approval of this Action is Necessary

* Pending no negative response to EPA notice dated 1-2-91

See Instructions On Reverse Side

(3/89)

LIST OF NAMES OF NOTIFICATION

Mr. Bill Yack — **Certified Mail #P 440 150 103**
P.O. Box 265
Neola, Utah 84053

Mr. Don Yack — **Certified Mail #P 440 150 112**
P.O. Box 241
Neola, Utah 84053

Mr. Ed Whicker — **Certified Mail #P 440 150 113**
Linmar Petroleum
P.O. Box 1327
Roosevelt, Utah 84066

Mr. Dick Pierson — **Certified Mail #P 440 150 114**
P.O. Box 396
Neola, Utah 84503

Mr. Lawrence Yack — **Certified Mail #P 440 150 115**
393 East 5th North (102-3)
Roosevelt, Utah 84066

Mr. Ray Jensen — **Certified Mail #P 440 150 117**
P.O. Box 157
Neola, Utah 84503

Flying J Oil & Gas Inc. — **Certified Mail #P 440 150 104**
Attention: John Baza
333 West Center Street
P.O. Box 540180
North Salt Lake City, Utah 84054-0180

Pennzoil Exploration & Production — **Certified Mail #P 440 150 105**
Attention: Ralph Williams
P.O. Drawer 2967
Houston, Texas 77252

Orven Moon — **Certified Mail #P 440 150 111**
Neola, Utah 84503

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2405

PUBLIC NOTICE

INTENT TO ISSUE AN UNDERGROUND INJECTION CONTROL PERMIT

TO

CHRIS DENVER

PURPOSE OF PUBLIC NOTICE

The purpose of this notice is to solicit public comment on the proposal by the Region VIII Office of the U. S. Environmental Protection Agency (EPA) to issue a permit to inject fluids underground via a Class II enhanced recovery injection well, the Helen Larsen No. 2-05A1.

BACKGROUND

EPA Region VIII is currently reviewing an application for an Underground Injection Control Permit from Chris Denver, P. O. Box 85, Roosevelt, Utah 84066, regarding injection of water into the Green River Formation. The injection fluid is water produced in conjunction with the extraction of oil from the Green River and Wasatch Formations.

Chris Denver has proposed to inject the fluids into the Green River Formation through the injection well, the Helen Larsen No. 2-05A1, located in the SE 1/4 of the NW 1/4 of Section 5, T1S, R1W, Duchesne County, Utah. The Helen Larsen No. 2-05A1 is located in the Uintah & Ouray Indian Agency. The Total Dissolved Solids (TDS) content of the Green River injection zone, and the Green River and Wasatch Formations injected fluids, in this area, as analyzed, approximate 30,000 mg/l. The gross Green River injection interval will be 8500-9500 feet.

EPA has made a preliminary determination to approve the permit application, and that by doing so, any underground sources of drinking water (USDW) will be protected. Therefore, EPA is hereby serving notice of intent to issue a permit and aquifer exemption, for the proposed underground injection activities, to Chris Denver.

PUBLIC COMMENTS

All data submitted by the applicant, including the draft permit prepared by EPA, are contained in the administrative record for Chris Denver. This information is available for public inspection, 9:00 a.m. to 5:00 p.m., by contacting the following office:

Environmental Protection Agency
Region VIII, 8WM-DW
UIC Implementation Section
Attn: Emmett R. Schmitz
999 18th Street, Suite 500
Denver, Colorado 80202-2405
Telephone: (303) 293-1436

Public comments are encouraged and will be accepted, in writing, at the Denver Office for a period of thirty (30) days after publication of this notice. A request for a public hearing should be made in writing and should state the nature of the issues proposed to be raised at the hearing. A PUBLIC HEARING WILL BE HELD ONLY IF SIGNIFICANT INTEREST IS SHOWN.

FINAL PERMIT DECISION AND APPEAL PROCESS

After the close of the public comment period, EPA will issue a final permit decision, and will notify all commenters regarding this decision. The final decision may be to: issue; deny; modify; or revoke and reissue the draft permit. The final decision shall become effective thirty (30) days after the final decision is issued, unless no commenters requested a change in the draft permit, in which case the permit shall become effective immediately upon issuance.

Within thirty (30) days after a final permit decision has been issued, any person who filed comments on the draft permit or participated in a public hearing, may petition the Administrator to review the permit decision. Commenters are referred to 40 CFR Sections 124.15 through 124.20 for procedural requirements of the appeal process.

JAN 2 1991

Date of Publication

Max H. Dodson, Director
Water Management Division

FCD:November 9, 1990: es/es/es/dnvr2701/pn.news

RECEIVED
JAN 18 1991
DIVISION OF
OIL, GAS & MINING

January 16, 1991

State of Utah
Department of Natural Resources
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Helen Larsen 2-05A1

Dear Mr. Hunt:

This letter is to inform you that I have started to equip the site of the proposed disposal well. At this time I have welders on site to reroute pipe lines from one tank to another. They are preparing lines for hooking-up pumps for the operation of the well.

I assume that this would be proper at this time. I would hope to get some work done on the surface of the location so that I would not be waiting so long for actual injection of disposal operation.

According to the regulations I needed to contact you concerning any planned physical alterations or additions. Additions would be two small 300 barrel tanks placed on site for operations of the facility.

Gil I appreciate the approval of the Sundry Notice for the additional 500 feet. I thank-you for your support and help in these matters. I have 15 days left for EPA and as to date no one has objected.

Sincerely,

Chris Denver

Chris Denver

FLYING J UINTAH INC.
P.O. BOX 540180 - NORTH SALT LAKE, UTAH 84054-0180

January 29, 1991

RECEIVED
JAN 30 1991
DIVISION OF OIL, GAS & MINING

Mr. Emmett R. Schmitz
U.S. Environmental Protection Agency
Region VIII, 8WM-DW
UIC Implementation Section
999 18th Street, Suite 500
Denver, Colorado 80202-2405

Re: Comment on Intent to Issue an Underground Injection Control Permit to Chris Denver
Helen Larsen #2-5A1 43-013-30920

Dear Mr. Schmitz:

This letter serves to comment on the proposed action by the U.S. Environmental Protection Agency (EPA) Region VIII office to issue an Underground Injection Control (UIC) permit to Chris Denver for the Helen Larsen No. 2-5A1 well located in the SE SE Section 5, Township 1 South, Range 1 West, Duchesne County, Utah. Flying J Oil & Gas Inc. opposes water injection into the interval of 8500'-8800'in the Upper Green River Formation of the referenced well for the sake of protecting potential natural gas resources which may exist in the vicinity of the well location. Water injection below this interval is acceptable and Flying J has no objection to injecting water below 8800' in the well.

In recent years, oil and gas companies have identified a natural gas resource in an area approximately one or two miles from the proposed water injection well. The Board of Oil, Gas and Mining for the state of Utah has recognized the existence and the value of this resource, and it has established both a field designation and an area of drilling units to regulate the development of natural gas in the area. Currently, some oil and gas companies including Flying J are attempting to drill wells to establish the extent of the natural gas resource. Flying J has obtained an approval from the Utah Division of Oil, Gas and Mining to drill a well approximately one mile south of the proposed injection well in order to test the natural gas potential in Section 8, Township 1 South, Range 1 West.

The interval of the Upper Green River Formation which Flying J intends to evaluate in our proposed drilling well correlates to the upper 300' of the proposed injection zone in the Helen Larsen No. 2-5A1 well. Although an exact correlation of porous sands is not possible since the natural gas well has not yet been drilled, there is a likelihood that water injection in the correlative interval will damage any natural gas resource which may exist. Therefore, Flying J recommends that Chris Denver forego water injection in the upper 300' of the proposed injection interval identified in the public notice, at least until the presence of a natural gas resource in the area of the proposed injection well has been adequately tested and proven. Additionally, Flying J strongly urges the EPA to require appropriate cement bond evaluation and necessary remedial cementing of the proposed injection interval to ensure that there is no possibility of cross-flow between porous zones in Helen Larsen No. 2-5A1 well.

Flying J recognizes the need for additional water disposal alternatives in the Greater Altamont-Bluebell area of Duchesne County. We support the proposal by Chris Denver to establish water injection in the Helen Larsen No. 2-5A1 well; however, we feel that the interval of injection should be restricted to depths below 8800' in the well in order to avoid contamination and damage to potential natural gas resources in the vicinity of the well.

If you have any questions or desire further information concerning these comments, please contact the undersigned at the letterhead address or telephone no. (801)298-7733.

Sincerely,

John R. Baza

John R. Baza
Senior Petroleum Engineer

cc: Ute Indian Tribe
U.S. Bureau of Land Management
Utah Division of Oil, Gas and Mining
Pennzoil Exploration and Production Co.

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 25, 1991

Chris Denver/John Chasel
P. O. Box 85
Roosevelt, Utah 84066

Gentlemen:

Re: Helen Larsen 2-5A1 Well, Re-entry, 1789 feet from the North line and 1965 feet from the West line, SE NW, Section 5, Township 1 South, Range 1 West, Duchesne County, Utah

In accordance with Utah Admin. R.615-3, Drilling and Operating Procedures, approval is hereby granted for re-entry of the referenced well for the purpose of converting it to a salt water disposal well.

The following actions are necessary to fully comply with the approval:

1. Operations shall be conducted in accordance with the Application for Permit to Drill, Deepen or Plug Back dated July 31, 1990, and in such a manner that full compliance with all applicable oil and gas conservation rules, Utah Admin. R.615-1 et seq., is achieved.

2. Notification within 24 hours after re-entry operations commence.

3. Submittal of the Report of Water Encountered During Drilling, Form 7.

4. Prompt notification in the event it is necessary to plug and abandon the well. Notify R. J. Firth, Associate Director, (Office) (801) 538-5340, (Home) 571-6068, or J. L. Thompson, Inspector Supervisor, (Home) 298-9318.

5. Prior to commencement of the proposed drilling operations, plans for facilities for disposal of sanitary wastes at the drill site shall be submitted to the local health department. These drilling operations and any subsequent well operations must be conducted in accordance with applicable state and local health department regulations. A list of local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of Drinking Water/Sanitation, telephone (801) 538-6159.

6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

Bond coverage pursuant to Utah Admin. R.615-3, Bonding, is provided under Bond No. 35 568 603 00, Lumbermans Mutual Casualty Company, as Surety.

The API number assigned to this well is 43-013-30920.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

tas
Enclosures
cc: Bureau of Land Management
J. L. Thompson
we14/1-18

KK 3/22/91 orig O&G well file
a R Firth
G Hunt

WATER DISPOSAL, INC.
P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532

RECEIVED
MAR 22 1991
DIVISION OF
OIL GAS & MINING

March 22, 1991

State of Utah
Department of Natural Resources
Attention: Dianne R. Nielson, Division Director
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Ms. Nielson:

Reference is made to a notice for Public Hearing for a underground Injection control program for the Helen Larsen No. 2-05A1. Enclosed you will find a copy of the notice.

Ms. Nielson I have spent One year trying to get the EPA off the chair and approve of this disposal well. At present I have State of Utah approval and my APD is approved to re-enter the well. (I would like to thank you and the staff especially Gil Hunt for the timely manner that my applications and permits were approved. The EPA needs so bad to take lessons from your department.

I went to Denver, Colorado twice to discuss the concerns and issues with the underground injection staff. It was so unimaginable disheartening to see the sluggish way that the EPA moves. I received approval from the State of Utah within 3 to 4 months and I still have been on this project with EPA for 12 months.

Dianne, I encourage you or Gil to attend this hearing in Roosevelt. I have spent allot of time with Marc Eckels trying to accomplish a small task of installing this disposal well. I would recommend that someone from your division attend this hearing scheduled for April 30, 1991. I sure would appreciate your help concerning this matter. Please let me know if you or Gil plan to attend.

Sincerely,

Chris Denver

Chris Denver

15105
4301330920

RECEIVED
MAR 22 1991
DIVISION OF
OIL GAS & MINING

U. S. Environmental Protection Agency, Region VIII

PUBLIC NOTICE
ANNOUNCEMENT OF PUBLIC HEARING
UNDERGROUND INJECTION CONTROL PROGRAM

Roosevelt, Utah
April 30, 1991

PURPOSE OF PUBLIC NOTICE

The purpose of this notice is to announce that a public hearing has been scheduled for 7:00 P.M., Tuesday, April 30, 1991, at the Uintah Basin Applied Technology Center, 1100 East Lagoon Street, Roosevelt, Utah. The United States Environmental Protection Agency (EPA) will hold the hearing. Comment will be sought on the proposal of Chris Denver, Roosevelt, Utah, to dispose of Green River and Wasatch Formations produced water (Bluebell oil field) into the Helen Larsen No. 2-05A1 SWD (salt water disposal well) Green River Formation gross perforations 8500 - 9500 feet. The public is encouraged to attend and comment on the proposed Helen Larsen No. 2-05A1 SWD.

The proposed Chris Denver Helen Larsen No. 2-05A1 SWD is located in the SE 1/4 of the NW 1/4 of Section 5 - Township 1 South - Range 1 West, Duchesne County, Utah, and within the Uintah & Ouray Indian Reservation. The EPA has prepared a draft permit that would authorize construction and use of this well. A public notice concerning this draft permit was published on January 2, 1991, in THE VERNAL EXPRESS, Vernal, Utah, and on January 9, 1991, in THE UINTAH BASIN STANDARD, Roosevelt, Utah.

FINAL PERMIT DECISIONS AND APPEAL PROCESS

After the public hearing, Region VIII of the EPA will decide whether to issue or deny the proposed permit. Within thirty (30) days of the service of notice of the decision, any person who submitted comments on the draft permit or who participated in the public hearing may petition the EPA Administrator, at EPA Headquarters, 401 M Street, Washington, D.C., 20460, to review the permit decision. Anyone seeking review by the Administrator is referred to 40 CFR Sections 124.15 through 124.20 for the procedural requirements of the permit review process.

For additional information you may contact:

U. S. Environmental Protection Agency
Region VIII, 8WM-DW
UIC Implementation Section
ATTN: Emmett R. Schmitz
999 18th Street, Suite 500
Denver, CO 80202-2405
Telephone: (303) 293-1436

MAR 19 1991

Date of Publication

Max H. Dodson, Director
Water Management Division

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

April 19, 1991

Mr. Chris Denver
Water Disposal, Inc.
P.O. Box 85
Roosevelt, Utah 84066

Dear Chris:

Re: Helen Larsen 2-5A1 Well, Conversion to a Class II Water Injection Well

I appreciate the high regard you expressed in your letter concerning the way your applications and information requests were handled by the Division staff in the referenced matter.

Regarding the public hearing scheduled by the United States Environmental Protection Agency (EPA) for April 30, 1991, I do not feel it is appropriate for me or my staff to comment officially at this meeting. The Division reviewed your applications for re-entry and conversion of the Helen Larsen 2-5A1 well to a disposal well, and worked through the permitting processes with you. The results of this effort were an approval to re-enter the well and a conditional approval to convert it to a Class II injection well for disposal. The fact that the Division has taken these actions clearly expresses our position on this matter.

Please contact this office if we can be of any further assistance in this endeavor.

Best regards,

for Dianne R. Nielson
Director

GLH/ldc
cc: R.J. Firth
G.L. Hunt
[redacted]

WUI8

an equal opportunity employer

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
DRILLING INSPECTION FORM

COMPANY: WATER DISPOSAL INC. COMPANY REP: CHRIS DENVER

WELL NAME: HELEN LARSON 2-5A1 API NO: 43-013-30920

QTR/QTR: SE NW SECTION: 5 TWP: 1 S RANGE: 1 W

CONTRACTOR: WESTERN OIL FIELD RIG NUMBER: 22

INSPECTOR: HEBERTSON TIME: 12:30 PM DATE: 8/7/91

OPERATIONS: DRILLING OUT SEMENT PLUGS DEPTH: 3,600

SPUD DATE: DRY: REENTRY ROTARY: _____ T.D.: _____ DEPTH: 3,600

==========

WELL SIGN: N SANITATION: Y BOPE: Y BLOOIE LINE: NA

H2S POTENTIAL: _____ ENVIRONMENTAL: Y FLARE PIT: N

RESERVE PIT: NA FENCED: NA LINED: NA PLASTIC: NA

RUBBER: _____ BENTONITE: _____ OTHER: _____

BOPE TEST RECORDED IN THE RIG DAILY TOUR BOOK: NA

BOPE TRAINING RECORDED IN THE RIG DAILY TOUR BOOK: NA

==========

LEGEND: (Y)=YES (U)=UNKNOWN (NA)=NOT APPLICABLE

==========

REMARKS:

CLEANED OUT TO 3,600 FEET AFTER DRILLING OUT SURFACE CEMENT PLUG

THIS WELL IS A REENTRY FOR CONVERSION TO A WATER DISPOSAL WELL.

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.: Fee

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

1. OIL WELL ☐ GAS WELL ☐ OTHER [redacted]

7. UNIT AGREEMENT NAME: N/A

2. NAME OF OPERATOR: Chris Denver

8. FARM OR LEASE NAME: Helen Larsen

3. ADDRESS OF OPERATOR: P.O. Box 85, Roosevelt, Utah 84066

9. WELL NO.: 2-05A1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
At proposed prod. zone: 8,800 to 9,500 Feet

10. FIELD AND POOL, OR WILDCAT: Bluebell

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: T1S,R1W, Section 5

14. API NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.):

12. COUNTY: Duchesne

13. STATE: Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐
SHOOT OR ACIDIZE	☐	ABANDON	☐
REPAIR WELL	☐	CHANGE PLANS	X
(Other)			

APPROX. DATE WORK WILL START: Aug. 5, 1991

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOTING OR ACIDIZING	☐	ABANDONMENT*	☐
(Other)			☐

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

DATE OF COMPLETION: _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Requesting for the injection interval from 8,800 to 9,500 feet. So the total upper Injected interval would be 8,800 to 9,500 feet. (See approval of Sundry notice dated Jan. 3, 1991 approval date 1-8-91.)

* APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 9-5-91
BY: [signature]

RECEIVED
AUG 19 1991
DIVISION OF OIL GAS & MINING

* SEE ATTCHMENTS

18. I hereby certify that the foregoing is true and correct

SIGNED [signature] TITLE Owner Operator DATE Aug. 16, 1991

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: Federal Approval of this Action is Necessary

See Instructions On Reverse Side

(3/89)

SUNDRY NOTICE APPROVAL - ATTACHMENT

HELEN LARSEN 2-5A1 WELL
SEC.5,T1S,R1W, DUCHESNE COUNTY, UT.
43-013-30920

SUNDRY DATED 8-16-91 FOR CHANGE OF PLANS

The sundry requests approval of an injection interval from 8800' to 9500'. The original notice and approved interval by this office was 9000' to 9500'. Mr. Denver subsequently requested the interval from 8500' to 9500', this was approved with the condition that no objections were received when EPA issued public notice which included the subject interval. There were two parties object (the proposed interval) to the EPA notice, those were Flying J. and Pennzoil. Both companies objected only to the interval above 8800'. Flying J. signed an agreement (attached) stating they did not object to the interval 8800' to 9500'. Pennzoil through personal communication with Ralph Williams (9-5-91), stated they also did not object to that interval. It is with this understanding that both companies no longer object this sundry is being approved.

September 5, 1991

FLYING J OIL & GAS INC.
333 WEST CENTER STREET – P.O. BOX 540180 – NORTH SALT LAKE, UTAH 84054-0180
(801) 298-7733

May 16, 1991

RECEIVED
AUG 19 1991
DIVISION OF
OIL GAS & MINING

Mr. Chris Denver
Water Disposal, Inc.
P.O. Box 85
Roosevelt, Utah 84066

Re: Helen Larsen Disposal Well

Dear Mr. Denver:

After reviewing your proposed agreement concerning the conversion of the Helen Larson #1-5A1 to salt water disposal, I have enclosed a slighty modified version of the agreement for your review and signature. I request that you return a signed original to this office upon your execution of the agreement.

I can assure you that Flying J will work diligently with yourself and other operators in the area to identify the potential gas resource and to avoid hindering your activities to operate a salt water disposal well in the area. We support your efforts to establish safe and effective water disposal for the local oil and gas industry and we only wish to protect any potential hydrocarbon resources which may exist.

Please contact me at the letterhead address and telephone number if you have any questions regarding the enclosed agreement.

Sincerely,

John R. Baza
Sr. Petroleum Engineer

Enclosure

A G R E E M E N T

This Agreement is made and entered into this 15th day of May 1991 by and between Chris Denver ("Denver") of Roosevelt, Utah, and Flying J Oil & Gas Inc. ("Flying J") of North Salt Lake, Utah. Denver has applied to the State of Utah and the U. S. Environmental Protection Agency ("EPA") for a Class II injection well at the wellbore of the Helen Larson #1-5A1 well located in the SENW Section 5, Township 1 South, Range 1 West, Duchesne County, Utah. The initial interval requested to be perforated was from 8500 feet to 9500 feet.

Flying J has requested and Denver has agreed not to perforate the zone from 8500 feet to 8800 feet ("Exempt Zone") in the subject well for a period of twelve (12) months commencing on the date of EPA approval of Denver's application to allow Flying J time to evaluate the gas potential from the Exempt Zone in the surrounding area and the efffects of an injection well thereon. If Flying J attempts unsuccessfully to produce gas from the stratigraphic equivalent of the Exempt Zone within a two-mile radius of the Helen Larson #1-5A1 well during the term of this Agreement, Flying J agrees to release Denver from the Agreement and allow him the option of perforating the Exempt Zone at an earlier date.

Additionally, Flying J agrees not to object to Denver applying for a second permit to perforate the zone from 9500 feet to 10,000 feet in the subject well.

At the end of the term of this Agreement, Flying J and Denver will review the potential gas development within the two-mile radius covered by this Agreement, and mutually agree whether it is in the best interests of both parties to extend the Agreement or allow it to expire. Flying J agrees not to unreasonably withhold its consent for Denver to perforate the Exempt Zone.

Chris Denver

CHRIS DENVER

FLYING J OIL & GAS INC.

By: John R. Scales

John R. Scales, Sr. Vice President

Helen Larsen 2-5A1
Step Rate Test, 8/20/91

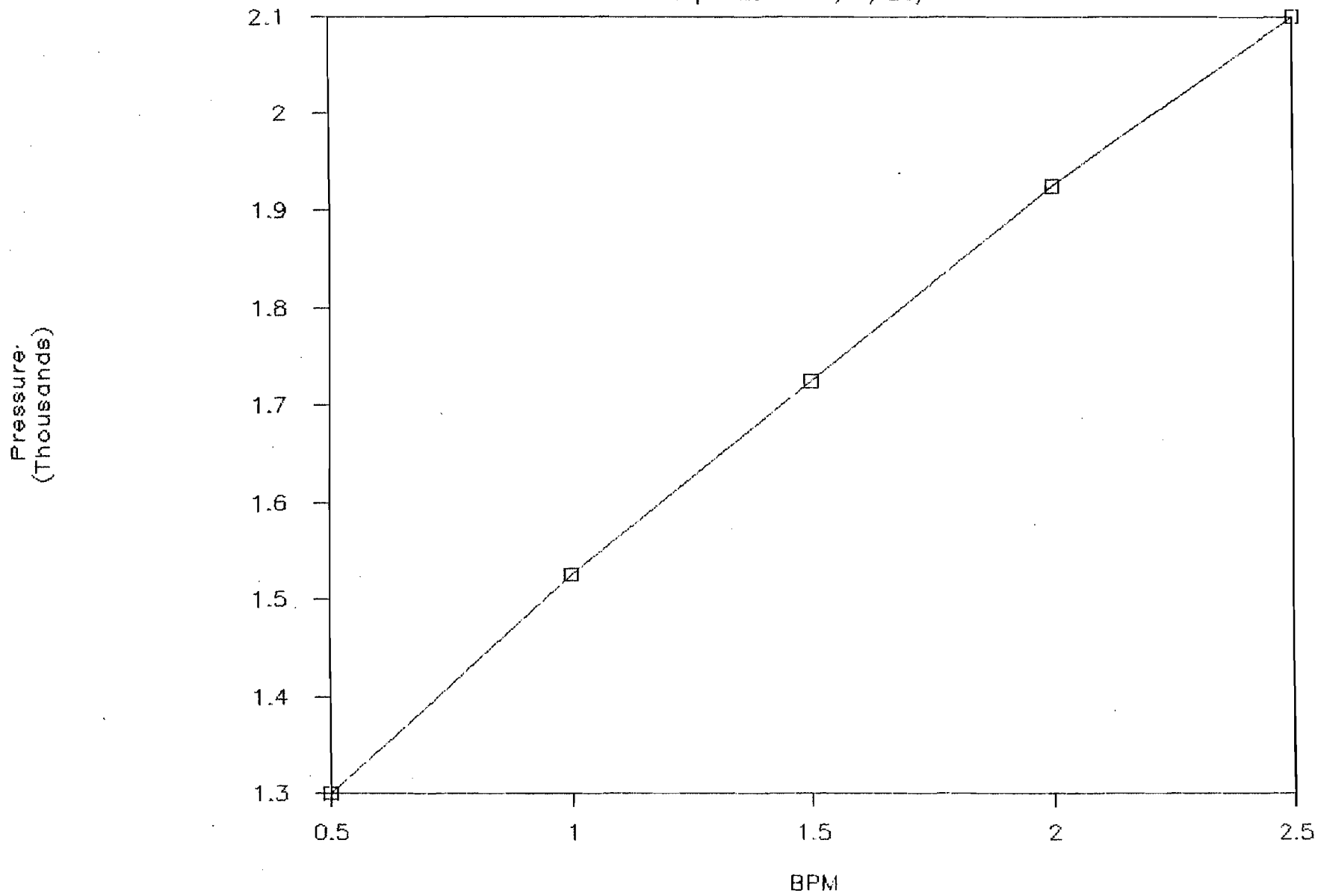
The following data was obtained using Western Oil Well Service Rig #22 rig pump, timing the strokes to determine rate and watching a pressure gage on the wellhead to determine injection pressure. Each rate was held for 10 minutes and the stabilized pressure at the end of the ten minute period was recorded.

No data was obtained above 2.5 BPM and 2100 psi because the maximum pump performance was exceeded.

Time	Rate	Pressure
3:45PM	0.5	1300
4:05PM	1	1525
4:18PM	1.5	1725
4:31PM	2	1925
4:46PM	2.5	2100

HELEN LARSEN 2-5A1 SWD WELL

Step Rate Test, 8/20/'91



WATER DISPOSAL, INC.
P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532

RECEIVED
AUG 23 1991
DIVISION OF
OIL GAS & MINING

August 22, 1991

State of Utah
Attention: Gil Hunt
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: MIT Test EPA

Helen Larsen 2-5A1
43-013-30920
Sec. 5, T1S, R 1W

Dear Mr. Hunt:

Enclosed you will find a copy of the EPA Mechancial Intergrety Test at the Helen Larsen well August 22, 1991. I put 1,000 pounds on the well for 45 minutes and it did not even move at all. (See enclosed approval for MIT, Emmett Schmitz).

Also, included was the Perforated zone and a drawing of the well-bore. Included also was the Well-rework record for the workover rig.

Sincerely,

Chris Denver

Chris Denver

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2405

RECEIVED
AUG 23 1991
DIVISION OF
OIL GAS & MINING

MECHANICAL INTEGRITY PRESSURE TEST
CASING/TUBING ANNULUS

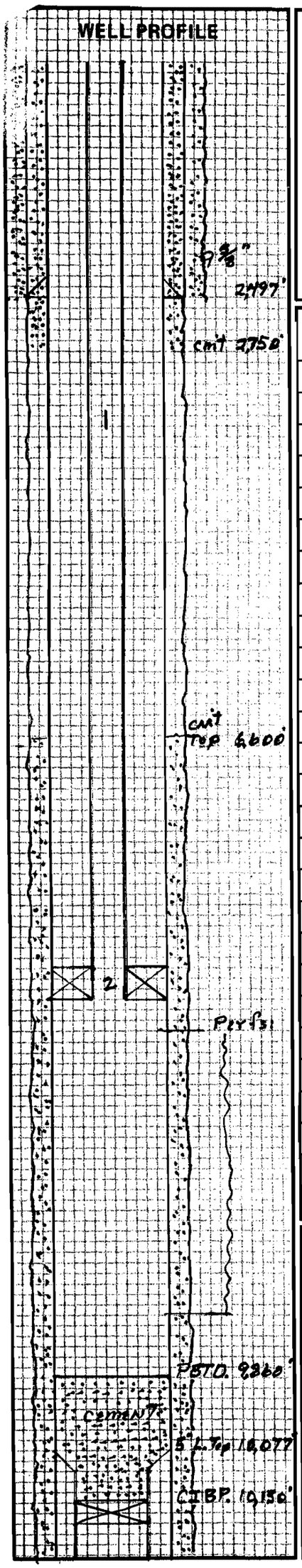
Company Name: Chris Denver Date: 8/22/91
Well Name: Helen Gibson No. 2-A1 Permit No. UT2538-02701
Field Name: Altamont-Bluebell County: Duchesne
Well Location: SE NW Sec 5 T 1S R 1W
Well Type: SWD ✓ ER — 2H — Other: —
Type of Packer: Baker R3 Model 7 DBL Grip Total Depth: 9460' (WTD)
Packer Set at (depth): 8753.2 FT
Surface Casing Size: 9-5/8" From: -0- FT to 2495 FT
Casing Size: 7" From: -0- FT to 11,870 FT
Tubing Size: 2-7/8" Tubing Pressure during Test: -0- psig
Time of Day: 8:45 am/~~pm~~

	Test #1		Test #2	
0 Min:	1000	psig		psig
5	1000	psig		psig
10	1000	psig		psig
15	1000	psig		psig
20	1000	psig		psig
25	1000	psig		psig
30	1000	psig		psig
35	1000	psig		psig
40	1000	psig		psig
45	1000	psig		psig
50		psig		psig
55		psig		psig
60		psig		psig

Test Conducted by: [illegible] (Jay O'Driscol)
Inspected by: [illegible]
Others Present: [illegible]

EPA R8 3560-1A (8-89)

Original - Regional Office Copy
Yellow Copy - File Copy
Pink Copy - Operator Copy



OPERATOR Water Disposal INC.

WELL # Helen Larsen #2-05A1 SWD

FIELD Altamont-Bluebell

COUNTY Duchesne

STATE Ut.

DATE 8/20/91

☐ NEW COMPLETION ☑ WORKOVER

	Casing		Liner	Tubing	
				274	
SIZE	7"		5"	2 7/8	
WEIGHT	26 29			6.5	
GRADE				N-80	
THREAD				8rd	
DEPTH	11,870'				

ITEM NO.	EQUIPMENT AND SERVICES	
	Wellhead: 6" 5,000# Screw on Flange	
	Landed w/ 22,000# comp.	
	K.B	22.00
1	274 Jts. 2 7/8" 6.5# N-80 8rd	8729.53
2	7" Mtn States "R-3" DBL grip pkr.	5.43
	Distance up when set	-3.33
	E.O.T. @	8,758.63
	Perfs: 8/19/91	
	8818'-8838' - 20'	
	8872'-8886' - 14'	
	8891'-8905' - 14'	
	8925'-8940' - 15'	
	8974'-8992' - 18'	
	9026'-9036' - 10'	
	9054'-9060' - 6'	
	9,087'-9101 - 14'	
	9,123'-9,188' - 65'	
	9,225'-9,254' - 29'	
	9,266'-9348' - 82'	
	9,362'-9,398' - 36'	
	9,408'-9,446' - 38'	
	361' 3SPF 1,089 holes	

COMMENTS:

Csg. press tested 1,000# lost 10# to 990# in 15 Mins

Run CBL 9,860' to 6600' & 2,700' to surf. 8/14/91

Base of USDW - 2,500'

Top Uinta Form - 4,800'

Top Green River - 6,683'

Top Wasatch - 11,010'

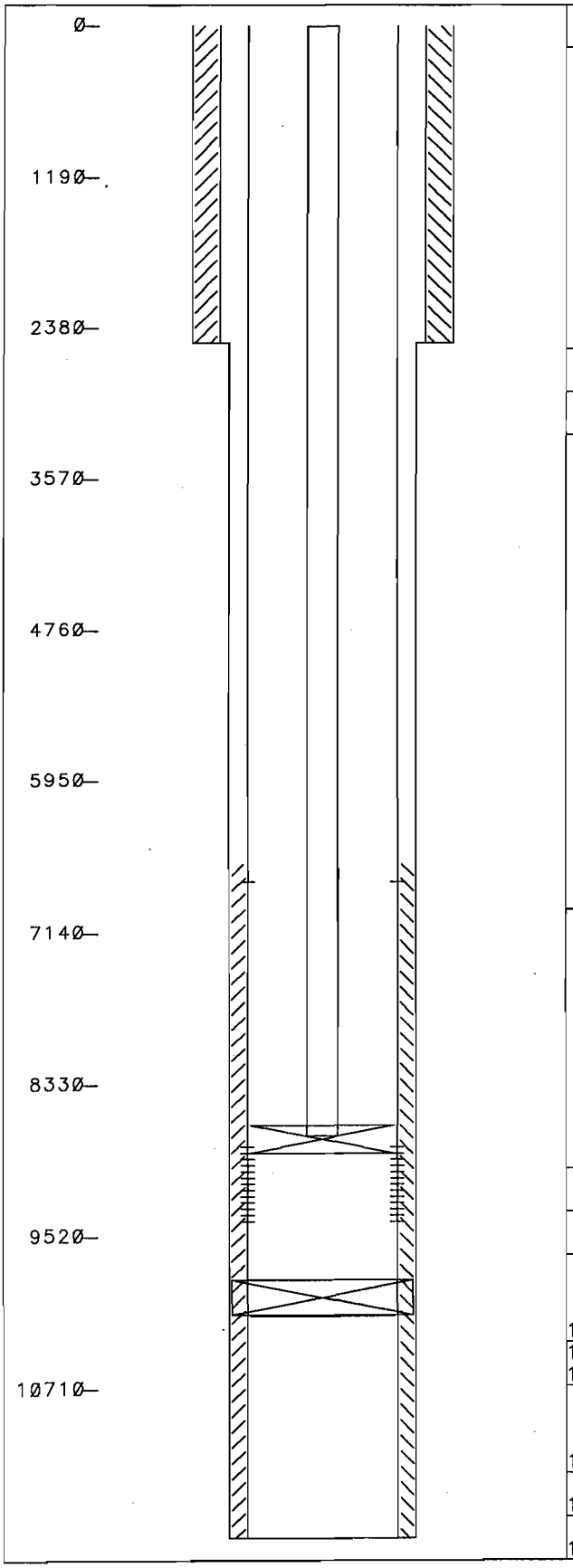
PREPARED BY	OFFICE	PHONE
Mark Western #22	722-3451	646-4137

Lease: Fee
Well #: 2-5A1

Spud Date: 08/05/1991
KB: 5982
TD: 16014

Comp Date: 09/20/1991
ELEV: 5966
PBTD: 9860

API #: 43-013-30920-
Location: Sec 5 Twn 1S Rng 1W
County: Duchesne
State: Utah
Field: Bluebell
Operator: Chris Denver



Start / End	Size / Length	Description
0.0 / 2495.0	12.250 / 2495.0	Hole:
0.0 / 2495.0		Cement: 1858 Sx
0.0 / 2495.0	9.625 / 2495.0	Casing: Surface
6740.0 / 6751.0	11.0	Perf: sqz. 60sx @ P&A
0.0 / 8729.5	2.875 / 8729.5	Tubing: 6.5# N-80 8rd
8753.2 / 8758.6	7.000 / 5.4	Packer: "R-3" Dbl grip
8818.0 / 9446.0	628.0	Perf: 3 spf 1,089 holes
9860.0 / 10130.0	8.750 / 270.0	Plug: Cement
10130.0 / 10138.0	7.000 / 8.0	Plug: 18# Baker CIBP
2495.0 / 11869.0	8.750 / 9374.0	Hole:
6600.0 / 11869.0	5269.0	Cement: 3900 Sx
0.0 / 11869.0	7.000 / 11869.0	Casing: Production

FORM 8

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other Disposal well

b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☒ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other Re-entry-rework

2. NAME OF OPERATOR: Water Disposal Inc.

3. ADDRESS OF OPERATOR: P.O. Box 85 Roosevelt, Utah 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface: Township 1 South, Range 1 West, Section 5 (Helen Larson 2-05A1)
At top prod. interval reported below: From the surface to 9,500 feet more or less
At total depth: 9,500 Feet

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5. LEASE DESIGNATION AND SERIAL NO.:
6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
7. UNIT AGREEMENT NAME:
8. FARM OR LEASE NAME: Moon-Larsen
9. WELL NO.: Helen-Larsen
10. FIELD AND POOL, OR WILDCAT: Bluebell-Greenriver
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Section 5, T1S, R1W

14. API NO.	DATE ISSUED	12. COUNTY	13. STATE
43-013-30920	Aug. 1990	Duchesne	Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.) or (Plug & Abd.)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)	19. ELEV. CASINGHEAD
Aug. 5, 91	See attached report	Sept. 20, 91	Already submitted	

20. TOTAL DEPTH, MD & TVD	21. PLUG BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
			→	Work-over Rig tools	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
Perforated from 8,818 to 9,446 in the Top of the Green River Formation For disposal of production water, class two injection well.

25. WAS DIRECTIONAL SURVEY MADE:

26. TYPE ELECTRIC AND OTHER LOGS RUN: Cement Bond Log Sent to State 40 days ago

27. WAS WELL CORED YES ☐ NO ☐ (Submit analysis) DRILL STEM TEST YES ☐ NO ☐ (See reverse side) Drilled with a work-over rig.

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7 Inch	23#to 25#	11,870 KB		see completion report	
9 5/8 Surface Casing to:		2,495 KB		Chevron & Linmar Corp.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)
See Completion report	Chevron & Linmar Corporation			

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8	8,729.53	8,734.96

31. PERFORATION RECORD (Interval, size and number)
See enclosed report from Western Oil well service Rig #22 (Marv)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Not Completed to date (could possibly run a small acid job in the future.)	

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
Injected Sept. 1, 1991		

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	Zero	→				

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS At present (two) 2,000 barrel tanks on site with two 400 barrel tanks located to hold production water. (will be installing another 300 barrel and 480 barrel tank.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED [signature] TITLE President DATE Sept. 24, 1991

See Spaces for Additional Data on Reverse Side

(3/89)

INSTRUCTIONS

This form should be completed in compliance with the Utah Oil and Gas Conservation General Rules. If not filed prior to this time, all logs, tests, and directional surveys as required by Utah Rules should be attached and submitted with this report.

ITEM 18: Indicate which elevation is used as reference for depth measurements given in other spaces on this form and on any attachments.

ITEMS 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producinginterval, or intervals, top(s), bottom(s) and name(s) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

ITEM 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

ITEM 33: Submit a separate completion report on this form for each interval to be separately produced (see instruction for items 22 and 24 above).

37. SUMMARY OF POROUS ZONES: Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.				38. GEOLOGIC MARKERS		
Formation	Top	Bottom	Description, contents, etc.	Name	Top	
					Meas. Depth	True Vert.Depth

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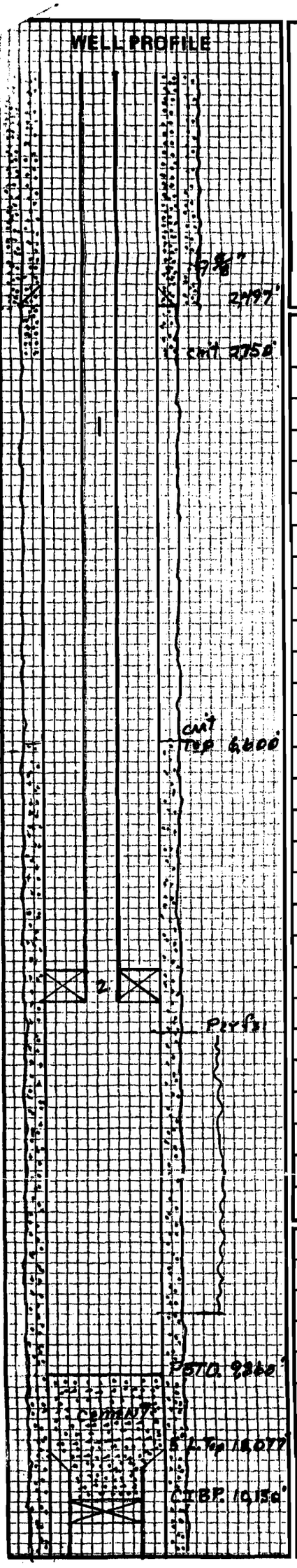
SEP 2 5 1991
DIVISION OF
OIL GAS & MINING



OPERATOR Water Disposal INC.
WELL # Helen Larsen #2-05A1 SWD
FIELD Altamont-Bluebell
COUNTY Duchesne
STATE Ut.
DATE 8/20/91
☐ NEW COMPLETION ☑ WORKOVER

	Casing	Liner	Tubing
			274
SIZE	7"	5"	2 7/8
WEIGHT	26 29		6.5
GRADE			N-80
THREAD			8rd
DEPTH	11,870'		

ITEM NO.	EQUIPMENT AND SERVICES	
	Wellhead: 6" 5,000# Screwon Flange	
	Landed w/ 22,000# comp.	
	K.B	27.00
1	274 Jts. 2 7/8" 6.5# N-80 8rd	8729.53
2	7" Mtn States "R-3" DBL grip pkr.	5.43
	Distance up when set	-3.33
	E.Ot. @	8,758.63
	Perfs: 8/19/91	
	8818'-8838'-20'	
	8872'-8886'-14'	
	8891'-8905'-14'	
	8925'-8940'-15'	
	8974'-8992'-18'	
	9,026'-9,036'-10'	
	9054'-9,060'-6'	
	9,087'-9101-14'	
	9,123'-9,188'-65'	
	9,225'-9,254'-29'	
	9,266'-9348'-82'	
	9,362'-9,398'-36'	
	9,408'-9,446'-38'	
	361' 3SPF 1,089 holes	

COMMENTS:

csg. press tested 1,000# lost 10# to 990# in 15 mins
Run CBL 9,860' to 6600' & 2,700' to surf. 8/14/91

Base of USDW - 2,500'
Top Uinta Form - 4,800'
Top Green River - 6,683'
Top Wasatch - 11,010'

PREPARED BY	OFFICE	PHONE
Marv Western #22	722-3451	646-4137

RECEIVED
SEP 25 1991
DIVISION OF
OIL GAS & MINING

Company WATER DISPOSAL INC. Ticket No. 95576.
Field NEOLA. Date Run 8-24-1991.
Lease HELEN LARSON Well 025-A-1 Sand —
Elevation _____ Datum (2) hr BU Perforation 8800 To 9500'
Shut in (X); Flowing ( ); Hrs. 24 + Fluid Level + H; Depth Reached 9100'
Tubing Press 240 psi. DWT ( ), Gauge (X), Max. Temp. 159
Tubing 2 7/8" In., Tubing Depth 8740 Packer Depth 8740' Slant Hole ✓

ELEMENT NUMBER	RANGE	CLOCK NUMBER	HOUR	RECORDING SECTION NO	PITCH
~~D45130~~	~~6000~~	~~A-6012~~	~~3-hr.~~	~~11851~~	~~Single~~
42917	6000	A-17546	3-hr.	11712.	Single

WIRELINE OPERATOR Carl Chancellor.
(note) had 140 psi on Casing.

	DEPTH	TIME (A.M. OR P.M.)		~~DWT~~ Gauge	DEFLECTION	PRESSURE
1	0	0930	To 0940.	240.	.	
2	9100	10:00	To 1200.	240.	1.379	4165.9
3	0.	12:15	To 12:25	240.		
4			To			
5			To			
6			To			
7			To			
8			To			
9			To			
10			To			
11			To			
12			To			
13			To			
14			To			
15			To			

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2405

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SEP 25 1991
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MECHANICAL INTEGRITY PRESSURE TEST
CASING/TUBING ANNULUS

Company Name: [illegible] Date: [illegible]
Well Name: [illegible] Permit No. [illegible]
Field Name: [illegible] County: [illegible]
Well Location: [illegible] Sec [illegible] T [illegible] R [illegible]
Well Type: SWD ✓ ER — 2H — Other: —
Type of Packer: Baker [illegible] Total Depth: [illegible]
Packer Set at (depth): [illegible] FT
Surface Casing Size: 9-7/8" From: [illegible] FT to [illegible] FT
Casing Size: 7" From: [illegible] FT to [illegible] FT
Tubing Size: 2-7/8" Tubing Pressure during Test: [illegible] psig
Time of Day: [illegible] am/pm

	Test #1		Test #2	
0 Min:	1000	psig		psig
5	1000	psig		psig
10	1000	psig		psig
15	1000	psig		psig
20	1000	psig		psig
25	1000	psig		psig
30	1000	psig		psig
35	1000	psig		psig
40	1000	psig		psig
45	1000	psig		psig
50		psig		psig
55		psig		psig
60		psig		psig

Test Conducted by: [illegible]
Inspected by: [illegible]
Others Present: [illegible]

EPA R8 3560-1A (8-89)

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Pink Copy - Operator Copy

Water Disposal INC.

Helen Larsen #2-05A1 SWD 8/5/91

7AM. moved from Western yard, to loc, R.U. rig & equipt. N.U. 6" SM. Bop w/ 2 7/8" rams. R.U. drlging equipt. M.U. Hughes 6 1/8" J-33 Bit, bitsub on Jt. of 2 7/8". Rev. circ. & start drlging cm't. from surf. Drlg. Jt. down, L.D. Jt. & p.u. 1-4 3/4" DC. drlg. 2nd Jt. down & p.u. 2nd 4 3/4" DC. (2 total) Drlg. cm't. plug to 123' K.B.

Circ. bbg clean P.U. 30' off B/m.

7PM. SION.

7-7:30 PM crew travel

Western	2,261
Bi-Co rental	245
Bi-Co. Trking	90
Tiger Tank Trking	168
Tiger Tanks ①	25
Linmar Trking	450
N&J. Trking	363
Daily	3,602

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SEP 25 1991
DIVISION OF
OIL GAS & MINING

Water Disposal INC. LARSEN #2 : 05A1 SWD 8/6/91

6:30-7AM. crew travel

7AM. Con't drlging cm't plug 123' To 354' (very hard)

Run free to 413' 5:45PM Rev. circ. tbg. clean.

Hang swivel. Pooh. w/20 Jts 2 7/8" & 2-41 3/4" DCs.

Break off bit & m.u. 6" bladed mill.

6:30PM. SION.

6:30-7PM. crew travel

WESTERN #22	2,217
Bi-Co rental	240
Tiger Tanks (2)	50
Daily	2,507
Accum	3,602
Total	6,109

Water Disposal INC Larsen #2-05A1 SWD 8/7/91

6:30-7AM crew travel

7AM RIH. w/ 6" bladed mill, x-o, 2-4 3/4" DC's. Tally & P.U. 4-4 3/4" DCs. (6 total) RIH. w/ x-o, 1-4' x 2 7/8" 8rd sub & 10 Jts 2 7/8. Tally & p.u. 50 Jts. 2 7/8". Rev. circ. out dehydrated pariffin & heavy drlging mud. @ 2,150'. P.U. 2 Jts. 2 7/8" (62 Jts. IN) & tagged up solid @ 2,193'. P.U. swivel, rev. circ. rotate down to 2,248'. Circ. out lots of dehydrated pariffin & some drlging mud. P.U. 11 Jts. running free to 2,634'; rev. circ. out mud & pariffin. Rev. circ. out mud & pariffin w/ 125 Jts. IN. @ 4,194'. With 201 Jts. IN tagged can't ret. @ 6,613' Rev. circ out same as before.

@ 6613 Press tested csg. 1,000# lost 10# to 990# in 15 mins.

P.U. swivel, milled on can't ret. 5PM. to 6:45PM. Made 1/2' Rev. circ. Hbg. clean

7PM. SION.

7-7:30PM. crew travel

Western #22	2,178
Bi-Co rental	955
Tiger Tanks (2)	50
Bi-Co trking	165
Dalbo trking	895
Daily	4,243
Accum	6,109
Total	10,352

Water Disposal INC. Larsen #2-05 A1 SWD 8/8/91

6:30-7AM. crew travel

7AM. Con't mill out cmt ret. Milled out @ 12:30 PM.

7½ Hrs milling. Milled cmt 6616' to 6637' = 21' very slow.

3:45 PM Rev. circ tbg. clean. Hang swivel. Pooh. w/202 Jts. 2⅞" & BHA. Break off mill (worn down alot) M.U. 6⅛" tooth bit, RIH. w/ BHA & 72 Jts. 2⅞"

7PM. SION.

7- 7:30PM. crew travel

Western #22	2,252
Bi-Co	365
Tanks (2)	50
Linmar Trking	200
Daily	2,867
Accum	10,352
Total	13,219

Water Disposal Inc. Larsen #2-05A1 SWD 8/9/91

6:30-7AM crew travel

7AM. Con't RIH w/130 Jts. 2 7/8" (202 Jts, BHA. & Bit)

R.U. drlging equipt. Started drlging cm't @ 6,637' (8:30AM,

Run out of cm't @ 6,769' & run free to 6,818' (207 Jts. IN)

Rev. circ. tbg. clean. R.D. drlging equipt. P.U. 45 Jts.

2 7/8" & run to 8,242' (252 Jts. IN) Circ. out drlging mud

& paraffin

6:30 PM. SION

6:30-7PM crew travel

Western	2,265
Bi-Co	335
Tiger Tanks (2)	50
Dalbo	
Daily	2,650
Accum	13,219
total	15,869

Water Disposal INC. Larsen #2-05A1 SWD 8/10/91

6:30-7AM. crew travel

7AM. P.U. 44 Jts. 2 7/8" 296 Jts., BHA w/bit = 9,655'

Circ. out drlging mud, wood fiber & paraffin

9,655 Press test csg. 4000# lost 10# to 990# in 15 mins. (11AM)

Pooh w/ 296 Jts. 2 7/8, 6 - 4 3/4" DC's, w/ bit.

M.U. bit, 7" csg. scraper, x-o. RIH w/ 296 Jts. 2 7/8"

P.U. 13 Jts. 2 7/8". Tagged cmt @ 9,882' R.U. drlging equipt.

Rev. circ. out drlging mud & paraffin, drlg. 2' of firm cmt.

Circ hole clean w/ 360 BBLs. F.W. R.O. swivel. L.D. 2 Jts. 2 7/8"

PBTD. 9,885' T.M.

7:30PM. SIOWE.

7:30-8PM. crew travel

Western #22	2,309
B.-Co	640
Tanks (2)	50
Linnar Trking	188
Dalbo Trking	
Daily	3,187
Accum	15,869
Total	19,056

Water Disposal INC. LARSEN #2-05A1 SWD 8/12/91

6:30-7AM crew travel

7AM. N.D. Stripper head, L.D. 35 Jts. 2 7/8" (41 Jts. out total) Pooh. w/ 272 Jts. 2 7/8". L.D. csg. Scraper & bit. R.U. OWP. WLT. Attempt to run CBL. Stopped in pariffin @ 700' Pooh. w/ tool RIH. w/ 48 Jts. to 1,550' open ended. Circ. 76 BBLS. cold, very little pariffin returned. Pooh. w/ 26 Jts. & worked tbg. from 646' to 710' RIH. to 840' & rev. circ. 50 BBls. cold wtr. Rev. circ. 45 BBls. Hot P.W. w/ some pariffin returned. Worked tbg. again @ 646' to 710 & 710' to 840'. Rev. circ. 45 BBls. Hot p.w. again. Some pariffin returned. Pooh. w/ tbg. R.U. & Attempt to log, stopped @ 1,200' Pooh & R.D. WLT. Cleaned cmt out of flat tank RIH. w/ 6" OD. csg. Kn. fc & 302 Jts. 2 7/8 EOT @ 9,657' 6:30PM. SION.

6:30-7PM. crew travel

Western #22	1,747	
Bi-Co	280	
Tanks	100	
Dalbo trking	1,066	8/11/91
OWP		
Linmar Trking	262	
Daily	3,455	
Accum	19056	
total	22,551	

Water Disposal INC. Larsen #2-05A1 SWD. 8/13/91

6:30-7AM. crew travel

7AM. R.U. Hotoiler from circ. well for 7½ Hrs. @ 270° & pumping 20 BBls. diesel & displ. around to approx 4,800'. Return very sm. amt. of pariffin. Pooh. w/ 272 Jts. 2⅞" & L.D. 30 Jts. R.U. OWP & attempt to run log. Stopped @ 630'. R.D. OWP. RIH. w/ 62 Jts. 2⅞" w/ EOT. @ 2,030'. Circ. out a fair am't of pariffin w/ 290 BBls. hot PW. Pooh. to 640' & Run in to 840. Circ. out more pariffin. Circ. out w/ 4 Jts. in. Attempt to log again & could n't get below 1,600'. R.D. OWP. RIH. w/ 7" csg. scraper & 156 Jts. 2⅞" To 5,014'. Rev. circ. 205 BBls. wtr. w/ 55 gals. of Jet-Sol 611W added. Had diesel & pariffin up in tbg vol. RIH. w/ 34 Jts. 190 Jts. EOT. To 6,095'. Rev. circ. out fairly clean diesel @ tbg vol. w/ pariffin & diesel following later & more pariffin w/ 185 BBls. PW. returns fairly clean.

6 PM. SION. 6-6:30 PM crew travel

Western #22	1736	
Bi-Co	140	
Tanks	50	
Dalbo Trking	366	
OWP	4275	
Dam H.O.	935	
Jet Co	545	Pariffin solvent
Daily	8,047	
Accum	22,551	
total	30,598	

Water Disposal INC. Larsen #2-05A1 8/14/91

6:30-7AM crew travel

7AM Rev. circ. out pariffin w/ 230 BBls. wtr. w/ Jet-sol & diesel @ 6,095' Worked csg. scraper out 10 stds. IN 5 stds & rev. circ. out pariffin To 2,900' 2900' to surf. Worked out 20 stds. IN. 10 stds rev. circ. out pariffin clean to surf R.U. OWP & run CBL. Set down on pariffin bridge @ 8,386' & worked tool thru in a couple of Ft. PBTD. 9,860' WLM. Logged 9,860' to 6,600' & 2,700' to surf. under 1,000# psi. R.D. OWP.

7AM.-5PM. 4 MEN 5PM.-8PM. 2 MEN

8PM. SI. till Fri. morn

8-8:30 PM crew travel

Western #22	2,038	
Bi-Co	140	
Tanks	50	
Dalbo trking	533	
Linmar trking	71	
OWP		8/14/91
Daily	2,832	
Accum	30,598	
total	33,430	

Water Disposal INC. Larsen #2-05 A1 SWD 8/16/91

6:30-7AM crew travel

7AM RIH. & L.D. 6-4 3/4" DC's RIH w/156 Jts. 2 7/8" w/ 6" O.D. csg. knife to 5,014' Circ out paraffin & dirty wtr. w/ 210 BBls. Hot P.W. RIH w/146 Jts. 2 7/8" (302 IN) to 9,658'. Rev. circ. out paraffin & dirty wtr. w/ 215 BBls. Hot P.W (clean) Pooh. w/ tbg. & csg. knife L.D. 30 Jts. that was p.u. 1st.

4PM. SI. till mon. morn

4-4:30PM crew travel

Western #22	1,432
Bi-Co	280
tanks	50
Linmar trking	188
Dalbo trking	
Daily	1,950
Accum	33,430
total	35,380

Water Disposal INC Larsen #2-05A1 8/19/91

6:30-7AM. crew travel
7AM. R.U. OWP WLT. & lubricator
Perf. 13 runs w/4" csg guns 120° phasing 8818' To 9,446'
361' 3SPF 1,089 holes. FL came up from 600' To 240'
10.9BBls. No recordable psi R.D. WLT.
RIH. w/ Mtn. states 7" 26-29# mod "R" pkr. tailing
in w/ 80 Jts. 2 7/8" EOT @ 2,614'

7PM. SIDN
7-7:30 PM. crew travel

Western #22	1,877	
Bi-Co	420	
Tanks	50	
OWP	—	
Dalbo	944	8/16/91
D+M. H.O.	400	
Mtn. States	3,854	
Jet-Co	—	
Daily	7,545	
Accum	35,380	
Total	42,925	

Water Disposal INC. Larsen #2-05A1 SWD 8/20/91

6:30 - 7AM. Crew travel

7AM. SICP. 200# SITP. 200# SI. 12 Hrs. Bled off psi.
Con't Talling & RIH. w/ 192 Jts. 2 7/8" P.U. 2 Jts. (274 Jts. total
IN) 8729.53' Mix Jet Hib D302 110 gal w/ 300 BBls. PW
Rev. circ. in 300 BBls. R.D. tbg. equipt. Strip off Bop,
Screw on Tree. Set 7" Mod "R-3" DBL. grip pkr. Top @
8,753.20' Btm. @ 8,758.63' Land w/ 22,000# comp. & N.U.
Press up on csg. 1,000#, lost 10# to 990# in 15 mins. Injected
96 BBls. P.W. into perfs. Pumped 2 BPM @ 2,000#, broke to 1,850#
Step test. 9 BPM. @ 1,450#, 10 min - 1,500#, 1.5 BPM. @ 1,625#, 10 min -
1,700#+, 2 BPM. @ 1,900#, 10 min 1,925#, 2.5 BPM. @ 2,025#, 15 mins
2,025# ISIP. 1,650# 5 mins - 1,500#, 10 - 1,400#, 15 - 1325# SI @ 5PM.
R.D. rig & equipt, loaded out & moved from loc. to Western
yard. 7PM. End Time

Western #22	1,931
Bi-Co	140
Tanks	50
OWP	29,494
Dalbo	404
Linmar	235
Jet-Co	823
Daily	33,077
Accum	42,925
total	76,002

MP-107
(5-73)

RECEIVED
SEP 25 1991
DIVISION OF
OIL GAS & MINING

CASING AND TUBING TALLY

Well Name & No: HELEN LARSEN #2-05A1 SWD

Size of Pipe: 2 7/8" Weight of Pipe: 6.5 Grade: ?

Thread Type: 8rd Coupling Type: _____ Make: _____

NOTE: A separate sheet should be used for each weight, grade, thread, or coupling change.

1	32	30	1	32	40	1	32	31	1	30	53	1	32	38
2	32	40	2	32	45	2	32	34	2	31	11	2	32	40
3	32	42	3	32	42	3	32	35	3	30	83	3	32	45
4	32	35	4	32	40	4	31	27	4	31	25	4	32	31
5	32	31	5	31	30	5	32	40	5	31	61	5	32	35
6	32	37	6	32	46	6	32	37	6	30	55	6	32	34
7	31	28	7	32	50	7	32	44	7	31	50	7	32	38
8	32	43	8	32	36	8	32	34	8	31	16	8	32	40
9	32	30	9	32	50	9	32	47	9	31	62	9	32	57
0	32	58	0	32	38	0	32	31	0	32	37	0	32	46
T	322	74	T	323	17	T	322	60	T	312	53	T	324	04

4,194.30

1	32	46	1	32	49	1	32	39	1	32	35	1	31	04
2	32	53	2	32	35	2	32	35	2	32	33	2	29	94
3	32	35	3	32	33	3	32	32	3	32	44	3	30	85
4	32	36	4	32	42	4	31	40	4	32	45	4	31	09
5	32	27	5	32	39	5	32	34	5	32	55	5	31	—
6	32	46	46	32	55	6	32	42	6	32	33	6	31	46
7	32	47	7	32	42	7	31	60	7	32	38	7	31	—
8	32	45	8	32	38	8	31	35	8	32	37	8	31	10
9	32	45	9	32	35	9	31	33	9	32	48	9	31	38
0	32	43	0	32	38	0	31	20	0	32	55	0	30	71
T	324	23	T	324	11	T	318	70	T	324	23	T	309	57

1	32	38	1	32	28	1	31	10	1	32	41	1	30	99
2	32	43	2	32	31	2	31	11	2	32	34	2	31	74
3	32	42	3	32	25	3	31	15	3	32	37	3	30	70
4	31	56	4	32	35	4	31	—	4	32	48	4	30	55
5	32	30	5	32	34	5	31	65	5	32	37	5	30	85
6	32	50	6	32	48	6	31	09	6	32	40	6	31	28
7	32	26	7	32	43	7	31	29	7	32	32	7	30	93
8	32	35	8	32	45	8	31	51	8	32	53	8	31	64
9	32	31	9	32	25	9	31	52	9	31	39	9	31	36
0	32	29	0	31	28	0	31	43	0	32	29	0	31	49
T	323	03	T	322	42	T	312	85	T	322	90	T	311	53

5009.99

Total This Page 4,798.65 Number Jts. This Page 150
Pipe Not Run This Page _____ Number Jts. Not Run This Page _____
Total Pipe Run This Page _____ Number Jts. Run This Page _____

Date 8/5/91 By _____ Page 1 of 3

MP-107
(5-73)

RECEIVED
SEP 25 1991
DIVISION OF
OIL GAS & MINING

CASING AND TUBING TALLY

Well Name & No: Larsen #2-05A1 SWD

Size of Pipe: 2 7/8" Weight of Pipe: 6.5 Grade:

Thread Type: 8rd Coupling Type: Make:

NOTE: A separate sheet should be used for each weight, grade, thread, or coupling change.

Avg. 31.90

151 1	31	86	1	32	35	1	31	50	1	32	45	1	32	35
2	31	59	2	32	37	2	30	91	2	32	31	2	32	45
3	31	48	3	32	30	3	29	88	3	32	36	3	32	44
4	30	72	4	32	38	4	31	06	4	32	31	4	32	32
5	31	31	5	32	38	5	31	53	5	32	34	5	32	39
6	31	55	6	32	40	6	31	44	6	31	30	6	32	45
7	30	95	7	32	35	7	31	29	7	32	38	7	32	35
8	31	19	8	32	25	8	31	75	8	32	28	8	32	40
9	31	68	9	32	36	9	31	25	9	32	28	9	32	34
0	31	81	0	29	80	0	31	57	0	32	34	0	32	35
T	314	14	T	321	04	T	312	18	T	322	35	T	323	84

1	30	51	1	32	39	1	30	88	1	32	41	1	31	32
2	31	64	2	32	41	2	31	62	2	32	34	2	32	43
3	31	31	3	31	67	3	31	74	3	32	38	3	31	28
4	31	68	4	32	34	4	30	82	4	32	35	4	32	35
5	31	57	5	32	48	5	31	05	5	32	43	5	31	48
6	31	62	6	31	88	6	31	66	6	32	46	6	31	30
7	31	29	7	32	40	7	31	48	7	32	43	7	32	50
8	30	84	8	31	70	8	31	21	8	31	03	8	31	06
9	31	49	9	32	40	9	31	41	9	32	34	9	32	34
0	31	74	200	30	95	0	31	—	0	32	35	0	32	51
T	313	69	T	320	62	T	312	87	T	322	52	T	318	52

5637.52

1	30	71	201	31	22	1	31	21	1	32	46	1	32	46
2	30	98	202	31	65	2	31	26	2	32	48	2	31	12
3	32	38	3	31	70	3	31	78	3	32	30	3	31	58
4	32	38	4	30	84	4	30	87	4	32	45	4	32	38
5	32	37	5	31	71	225	30	28	5	31	49	5	31	41
6	32	34	6	30	89	6	32	60	6	32	31	6	32	38
7	32	33	7	31	40	7	32	31	7	31	35	7	30	81
8	32	20	8	31	50	8	32	41	8	32	33	8	32	32
9	32	43	9	31	10	9	32	41	9	32	46	9	32	34
0	32	51	0	30	09	0	32	42	230	32	31	0	30	87
T	320	63	T	312	10	T	317	55	T	321	94	T	317	67

296

Total This Page 4,771.66 Number Jts. This Page 150
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Date 8/7/91 By Page 2 of 3

MP-107
(5-73)

RECEIVED
SEP 25 1991
DIVISION OF
OIL GAS & MINING

CASING AND TUBING TALLY

Well Name & No: LARSEN #2-05A1 SWD

Size of Pipe: 2 7/8" Weight of Pipe: 6.5# Grade:

Thread Type: 8rd Coupling Type: Make:

NOTE: A separate sheet should be used for each weight, grade, thread, or coupling change.

1	30	98	1			1			1			1		
2	31	68	2			2			2			2		
3	32	42	3			3			3			3		
4	32	31	4			4			4			4		
5	32	39	5			5			5			5		
6	31	19	6			6			6			6		
7	32	43	7			7			7			7		
8	31	43	8			8			8			8		
9	32	46	9			9			9			9		
0	32	49	0			0			0			0		
T	319	78	T			T			T			T		

1	32	32	1			1			1			1		
2	32	38	2			2			2			2		
3	31	40	3			3			3			3		
4			4			4			4			4		
5			5			5			5			5		
6			6			6			6			6		
7			7			7			7			7		
8			8			8			8			8		
9			9			9			9			9		
0			0			0			0			0		
T	96	10	T			T			T			T		

1			1			1			1			1		
2			2			2			2			2		
3			3			3			3			3		
4			4			4			4			4		
5			5			5			5			5		
6			6			6			6			6		
7			7			7			7			7		
8			8			8			8			8		
9			9			9			9			9		
0			0			0			0			0		
T			T			T			T			T		

Total This Page 415.88 Number Jts. This Page 13
Pipe Not Run This Page Number Jts. Not Run This Page
Total Pipe Run This Page Number Jts. Run This Page

Date 8/9/91 By Mann Page 3 of 3

FACSIMILE TRANSMISSION

Sharp FO-700 (801) 722-5829
Verification (801) 722-2922

Date: Oct. 3, 1991 **Time:** 11:40
Number of pages being transmitted: Three **(Including cover page)**
Fax phone number being transmitted: 359-3940
Please deliver all transmitted pages to: Gil Munt
City, State, Zip Code: Salt Lake City, Utah
These pages are from: Chris Denver,

COMMENTS: Dear Gil: Enclosed you will find the two notices that I sent to Don Yack the land owner of the 160 acres of the Yack property. Also Lawrence Yack made comment at the public hearing that you attended for the EPA. So that does also prove that he was notified by someone of the hearing. (he knew all about the disposal well)

IF YOU DID NOT RECEIVE ALL PAGES, PLEASE CALL (801) 722-2922

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
&
ENVIRONMENTAL PROTECTION AGENCY

IN THE MATTER OF THE APPLICATION OF CHRIS DENVER FOR ADMINISTRATIVE APPROVAL OF THE HELEN LARSEN 2-05A1, LOCATED IN SECTION 5, TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M., DUCHESNE COUNTY, UTAH AS A SALT WATER DISPOSAL WELL	NOTICE OF AGENCY ACTION CAUSE NO. UIC-121 EPA PERMIT NUMBER UT2538-02701

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division and EPA is commencing with an informal adjudicative proceeding to consider the application of Chris Denver for administrative approval of the Helen Larsen 2-05A1 Well, located in Section 5, Township 1 South, Range 1 West, Duchesne County, Utah, for a conversion to a Salt Water disposal well.
The proceeding will be conducted according to the provisions of the Administrative Procedures rules, R615-10 and EPA regulations.

THE OPERATING DATA FOR THE WELL IS AS FOLLOWS:

Injection Interval: 9000' to 9500' Tertiary Green River Formation
Maximum Injection Rate/Surface pressure: To be determined after testing

I Chris Denver HEREBY put owners on notice for administrative approval for conversion of the Helen Larsen 2-05A1 as a salt water disposal well. Please contact me at the following address for objections.

CHRIS DENVER
P.O. Box 85
Roosevelt, Utah 84066

DATED THIS May 21, 1990.

Chris Denver
CHRIS DENVER

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION OF CHRIS DENVER FOR ADMINISTRATIVE APPROVAL OF THE HELEN LARSON 2-5A1 WELL, LOCATED IN SECTION 10, TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M., DUCHESNE COUNTY, UTAH AS A SALT WATER DISPOSAL WELL	:	NOTICE OF AGENCY ACTION CAUSE NO. UIC-121

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Chris Denver for administrative approval of the Helen Larson 2-5A1 Well, located in Section 5, Township 1 South, Range 1 West, Duchesne County, Utah, for conversion to a Salt Water Disposal well. The proceeding will be conducted according to the provisions of the Administrative Procedures rules, R615-10.

The operating data for the well is as follows:

Injection Interval: 9000' to 9500' Tertiary Green River Formation
Maximum Injection Rate/Surface Pressure: To be determined after testing

Administrative approval of this application will be granted unless an objection is filed within fifteen days after publication of this notice by any person authorized to participate as a party in this adjudicative proceeding. If an objection is received by the Division, a formal adjudicative proceeding will be scheduled before the Board of Oil, Gas and Mining.

DATED this 7th day of June, 1990.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

R.J. Firth
Associate Director, Oil and Gas

W0I127/8

SDW

RECEIVED

OCT 16 1991

DIVISION OF
OIL GAS & MINING

RESPONSIVENESS SUMMARY - INITIAL PUBLIC COMMENT PERIOD

January 9 - February 9, 1991

CHRIS DENVER
HELEN LARSEN NO. 2-05A1
DUCHESNE COUNTY, UTAH
43 013 30920
EPA PERMIT NO. UT2538-02701

During the initial Public Comment period (January 9, 1991 through February 9, 1991) for the above-referenced Draft Permit the Environmental Protection Agency (EPA) received numerous responses to the public advertisement of the EPA intent to issue a salt water disposal well permit to Mr. Chris Denver (the Helen Larsen No. 2-05A1 SWD). Two (2) oil companies responded, i. e., Flying J Uintah Inc. and Pennzoil Exploration and Production Company. Both companies were concerned about an oil and/or gas potential in the interval 8500 - 8800 feet. Those comments concern correlative rights over which the (EPA) has no authority. Pennzoil also expressed a concern regarding the integrity of the cement behind the longstring over the gross disposal area. EPA has modified the Final Permit to include a requirement that a cement bond log (CBL) be run prior to injection to insure that cement behind the longstring is effective in containing the injected water to the permitted perforated interval(s).

Public comments were received from numerous individuals and the City of Roosevelt, Utah, expressing concern for possible contamination of culinary and agricultural water sources from disposal of produced waters into the Green River Formation, 8500 - 9500 feet. In response, the EPA has modified the Formation Testing condition of the Final Permit to include a Radioactive Tracer Survey (RATS) of the perforated disposal interval(s). The RAT Survey delineates the exact path of fluid movement to the disposal interval(s). Any movement of tracer fluid contrary to an EPA accepted path into the disposal interval(s) will cause the EPA to require the permittee to take measures to contain the fluid. No injection shall be permitted until the EPA has reviewed and approved the results of the RAT Survey. The permittee shall be required to conduct a RAT Survey at least once every two (2) years. The most common radioactive tracer is Iodine-131, and has a half life of 8.1 days.

EPA internal review of the Final Permit noted that the maximum surface injection pressure was incorrectly reported as 2740 pounds per square inch gauge (psig). The maximum allowed surface injection pressure has been corrected in the Final Permit to read 2470 psig.

Several commenters were also concerned with the reported contamination of groundwater in the UPALCO area and the possibility of the same contamination occurring in the area of the proposed Helen Larsen No. 2-05A1 SWD well. The EPA has reviewed the State of Utah, Division of Oil, Gas and Mining, REPORT OF A GROUND WATER INVESTIGATION PROJECT - UPALCO AREA, UTAH. Pertinent portions of this report include the following statements: "After a careful review of the available data, it is the opinion of those involved in the investigation that the produced water disposal well located in Section 21, Township 2 South, Range 3 West, Duchesne County, Utah, is not a source of contamination to ground water in the UPALCO area and that the exact source of ground water quality problems that supposedly exist in the area cannot be determined without further study." "Also, there is no apparent correlation between the analysis of the disposal well (fluid) and the analyses for the water wells." "The water from the produced water disposal well is of a sodium chloride type while the water from the water wells show more or less calcium-magnesium bicarbonate water types." "Figures 12 - 16 which show contoured concentrations do not display any type of pattern or trend that would indicate movement of pollution from the disposal well toward the water wells." "...the operator performed a temperature-tracer survey on the well to verify that the injected fluids were going into the proper interval." Given the State of Utah investigation and conclusion, there appears to be no reason to conclude that experiences with disposal wells in the UPALCO area would preclude issuance of a permit for the Helen Larsen No. 2-05A1 SWD.

Eight (8) representatives of the petroleum industry spoke in support of the proposed Helen Larsen No. 2-05A1 SWD well. Their comments varied from the necessity for more water disposal wells, due to increasing water cuts in the production of oil, to the present construction of the Helen Larsen No. 2-05A1 SWD, as suitably constructed for produced water disposal. The EPA agrees that it is appropriate to issue permit for water disposal wells, provided that adequate safeguards are required in the permits, and provided that the permit conditions are complied with.

One (1) oil company representative, and one (1) local royalty owner, questioned all or portions of the proposed gross perforated interval, i. e., 8500 - 9500 feet. The EPA explained that this Agency had no authority over correlatable rights, and that the Draft Permit would cover the proposed gross 8500 - 9500 interval. The Final Permit describes the proposed gross perforated interval as 8500 - 9500 feet.

Having reviewed the Administrative Record, the EPA decision is to issue a Final Permit for the Helen Larsen No. 2-05A1 SWD, with the protective conditions described above.

RESPONSIVENESS SUMMARY - PUBLIC HEARING: APRIL 30, 1991

ROOSEVELT, UTAH

CHRIS DENVER
HELEN LARSEN NO. 2-05A1 SWD
DUCHESNE COUNTY, UTAH

EPA PERMIT NO. UT2538-02701

Due to the substantial public interest in the Chris Denver Helen Larsen No. 2-05A1 SWD Draft Permit Public Notice, the Environmental Protection Agency (EPA) conducted a public hearing in Roosevelt, Utah, April 30, 1991.

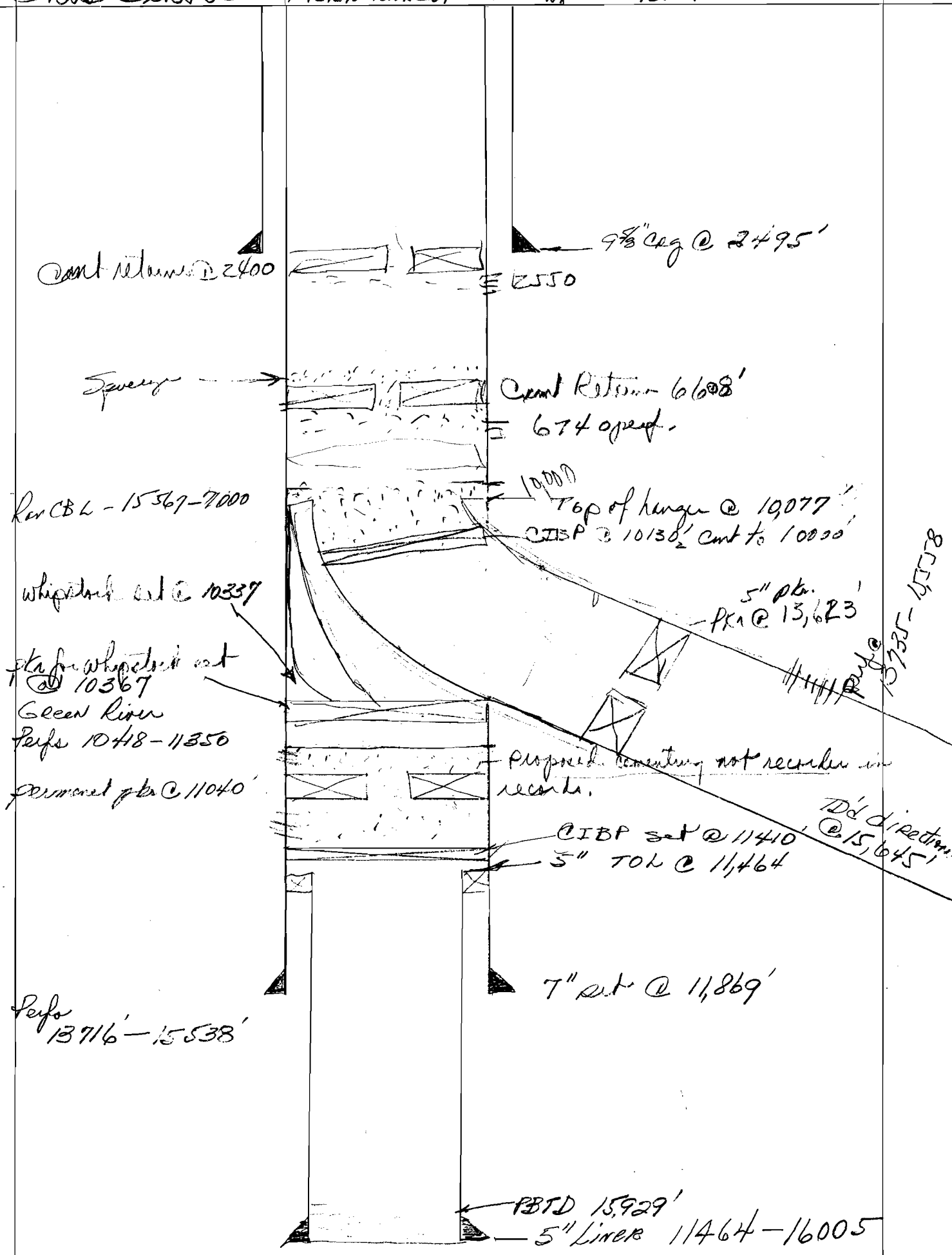
Seventeen (17) commenters expressed their views at the public hearing. Nine (9) individuals expressed concern about the future integrity of culinary and agricultural water if the Helen Larsen No. 2-05A1 SWD was constructed as a water disposal well. Eight (8) speakers commented on the Helen Larsen No. 2-05A1 SWD as a well adequately constructed for water disposal, and a well so constructed as to protect the integrity of uphole aquifers.

Opposition speaker comments were primarily "surface concern" directed. Within the area of "surface concern" were such topics as surface disposal/injection facilities with surface contamination caused by spillage from trucks, holding tanks, by injection at the wellhead; the necessity for constructing a disposal well in the Neola city limits; air contamination; noise contamination; injection gauge accuracy; and contamination of agricultural and culinary water sources, with a reference to the UPALCO area.

At the public hearing, Mr. Tom Pike, Section Chief-UIC Implementation Section, described the role of the Environmental Protection Agency's (EPA) Underground Injection Control (UIC) Section. Mr. Pike explained that the UIC section's jurisdiction began when water was injected into the well head, and continued as it proceeded down the well into the disposal perforations. UIC has no primacy over surface operations. Some speakers expressed concern over the possibility of near-surface agricultural and culinary water contamination from water disposal, at depth, into the Helen Larsen No. 2-05A1 SWD. As stated at the Public Hearing, and in the Responsiveness Summary to the Public Comment Period, the EPA is requiring Chris Denver to run a cement bond log (CBL) over critical sections of the Green River Formation, as well as conduct a radioactive tracer survey (RATS) across the disposal zone and sections of the Green River Formation uphole from the disposal perforations. The EPA will review and approve both the CBL and RATS before authorization to commence water disposal will be given. These two (2) controls will assure the EPA that the well is not allowing uphole contamination of salt water.

SWD

Chris Denver — Helen Larson 2-05A1 — 12-4-91



42-381 50 SHEETS 5 SQUARE
42-382 100 SHEETS 5 SQUARE
42-389 200 SHEETS 5 SQUARE
NATIONAL

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2405

Ref: 8WM-DW

DEC 13 1991

RECEIVED
DEC 16 1991
DIVISION OF
OIL GAS & MINING

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Chris Denver
Water Disposal, Inc.
P. O. Box 85
Roosevelt, UT 84066

43-013-30920

RE: UNDERGROUND INJECTION CONTROL
Minor Permit Modification No. 2
Temperature Log in lieu of RATS
Helen Larsen No. 2-05A1 SWD
EPA Permit No. UT2538-02701
Section 5 - T1S - R1W
Duchesne County, Utah

Dear Mr. Denver:

The Environmental Protection Agency (EPA) has reviewed your letter of October 15, 1991, in which you describe the single minimum bid of $10,000.00 to conduct a radioactive tracer survey (RATS) on the referenced well. The EPA has contacted several old-line service companies represented in the Uinta Basin, and their response was that they do not have, nor do they plan on having, the capability to conduct a radioactive tracer survey. In light of the apparent exorbitant costs attendant to bringing a service company into your wellsite from a considerable distance away, the EPA will permit you to run a Differential Temperature Log in lieu of the radioactive tracer survey requirement. Enclosed is a Minor Permit Modification changing the Final Permit requirement for a Radioactive Tracer Survey to a Differential Temperature Log.

The following are the EPA required guidelines for running the Temperature Log:

(1) - The Differential Temperature Log shall be run from 2200 feet to total depth.

(2) - While injecting at normal operating pressure, run Temperature Log at 20 to 40 feet per minute, recording at one (1) degree Fahrenheit per inch.

(3) - SHUT IN WELL.

(4) - AFTER TWO (2) HOUR SHUT IN: Run Temperature Log at 20 to 40 feet per minute, recording at one (1) degree Fahrenheit per inch.

(5) - AFTER EIGHT (8) HOUR SHUT IN: Run Temperature Log at 20 to 40 feet per minute, recording at one (1) degree Fahrenheit per inch.

(6) - AFTER TWENTY-FOUR (24) HOUR SHUT IN: Run Temperature Log at 20 to 40 feet per minute, recording at one (1) degree Fahrenheit per inch.

(7) - Any logging response(s) foreign to what is considered normal log character shall be adequately explained in your logging report.

Chris Denver must conduct a Temperature Log survey within sixty (60) days of receipt of this letter. If you have any questions in regard to the above action, please contact Emmett Schmitz at (303) 293-1436. Continue to send all correspondence to the **ATTENTION: EMMETT SCHMITZ** citing **MAIL CODE: 8WM-DW** very prominently.

Sincerely,

Roger L. Frenette
for Max H. Dodson, Director
Water Management Division

Enclosure: Minor Permit Modification No. 2

cc: Mr. Ferron Secakaku
Energy & Mineral Resource Dept.
Uintah and Ouray Agency
P. O. Box 70
Fort Duchesne, UT 84026

Mr. Charles Cameron
Bureau of Indian Affairs
Uintah and Ouray Agency
Fort Duchesne, UT 84026

Mr. Jerry Kenzka
Vernal District
Bureau of Land Management
170 South 300 East
Vernal, UT 84078

Mr. Gil Hunt
Utah Division of Oil, Gas and Mining
3 Triad Center, #350
355 West North Temple
Salt Lake City, UT 84180-1203

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2405

MINOR PERMIT MODIFICATION NO. 2

CHRIS DENVER
HELEN LARSEN NO. 2-05A1 SWD
DUCHESNE COUNTY, UTAH

EPA PERMIT NO. UT2538-02701

Pursuant to Part III, Section B. 1. of the above-referenced Final Permit, a modification to said permit is to be made. The change to the permit is as follows:

ORIGINAL VERSION:

PART II. SPECIFIC PERMIT CONDITIONS.

A. WELL CONVERSION REQUIREMENTS.

5. Formation Testing. The permittee shall measure the formation pore pressure (static bottom hole pressure) and obtain an accurate injection zone fracture pressure, breakdown pressure, and an instantaneous shut-in pressure (ISIP) through injectivity testing of the injection zone. This testing may be performed prior to full operation, or within three (3) months after injection operations are initiated.

THE PERMITTEE SHALL ALSO CONDUCT AND PASS A RADIOACTIVE TRACER SURVEY (RATS) IN ACCORDANCE WITH THE GUIDELINES EXPRESSED IN SCHEDULE D, OF THE FINAL PERMIT. THE RATS SURVEY SHALL BE RUN AS ONE OF THE CONDITIONS OF ACQUIRING FINAL EPA AUTHORIZATION TO DISPOSE OF WATER. THE PERMITTEE SHALL CONDUCT A RAT SURVEY AT LEAST ONCE EVERY TWO (2) YEARS THAT THE HELEN LARSEN NO. 2-05A1 SWD IS IN OPERATION. THE INITIAL RAT SURVEY SHALL BE CONDUCTED WITHIN THIRTY (30) DAYS AFTER INJECTION OPERATIONS ARE INITIATED.

MODIFIED VERSION:

PART II. SPECIFIC PERMIT CONDITIONS.

A. WELL CONVERSION REQUIREMENTS.

5. FORMATION TESTING. The permittee shall measure the formation pore pressure (static bottom-hole pressure) and obtain an accurate injection zone fracture pressure, breakdown pressure, and an instantaneous shut-in pressure (ISIP) through injectivity testing of the injection zone. This testing may be performed prior to full operation, or within three (3) months after injection operations are initiated.

The permittee shall also conduct and pass a DIFFERENTIAL TEMPERATURE SURVEY in lieu of the requirement to conduct and pass a Radioactive Tracer Survey. The DIFFERENTIAL TEMPERATURE SURVEY shall be run as one of the conditions of acquiring final EPA authorization to dispose of water. The permittee shall conduct and pass a DIFFERENTIAL TEMPERATURE SURVEY at least once every five (5) years that the Helen Larsen No. 2-05A1 SWD is in operation. THE DIFFERENTIAL TEMPERATURE SURVEY SHALL BE CONDUCTED WITHIN SIXTY (60) DAYS OF RECEIPT OF THIS MINOR PERMIT MODIFICATION NO 2, IN ACCORDANCE WITH THE FOLLOWING GUIDELINES:

(1) The Differential Temperature Log shall be run from 2200 feet to total depth.

(2) While injecting at normal operating pressure, run Differential Temperature Log at 20 to 40 feet per minute, recording at one (1) degree Fahrenheit per inch.

(3) SHUT WELL IN.

(4) AFTER TWO (2) HOUR SHUT IN: Run Differential Temperature Log at 20 to 40 feet per minute, recording at one (1) degree Fahrenheit per inch.

(5) AFTER EIGHT (8) HOUR SHUT IN: Run temperature log at 20 to 40 feet per minute, recording at one (1) degree Fahrenheit per inch.

(6) AFTER TWENTY-FOUR (24) HOUR SHUT IN: Run Differential Temperature Log at 20 to 40 feet per minute, recording at one (1) degree Fahrenheit per inch.

(7) Any logging response(s) foreign to what is considered normal log character shall be adequately explained in your logging report.

- - - - - - - - - - -

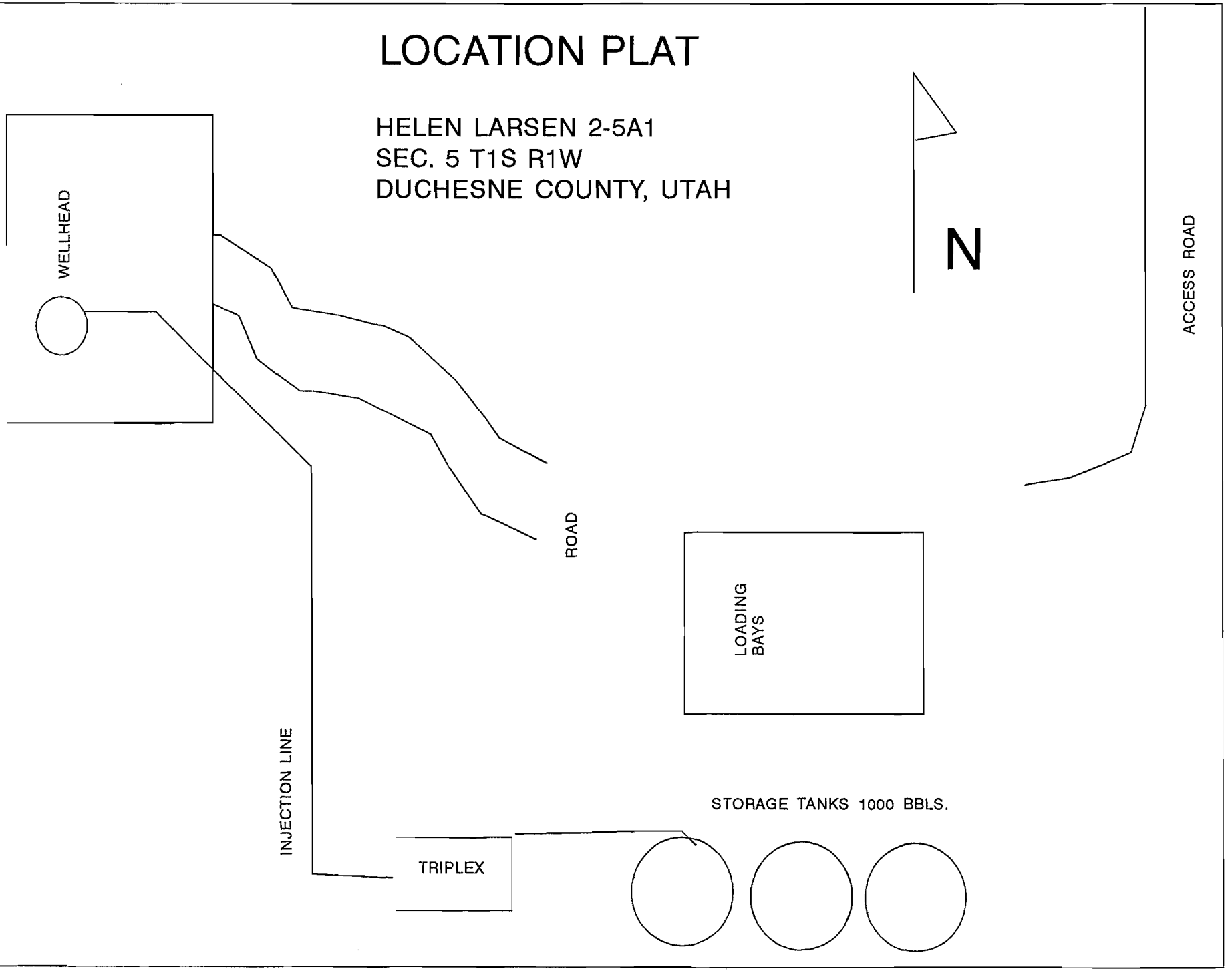
All other provisions and conditions of the Final Permit for the Helen Larsen No. 2-05A1 SWD remain as originally issued.

December 11, 1991
Date

Max H. Dodson, Director
Water Management Division

LOCATION PLAT

HELEN LARSEN 2-5A1
SEC. 5 T1S R1W
DUCHESNE COUNTY, UTAH



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

December 19, 1991

Mr. Chris Denver
Water Disposal Inc.
P.O.Box 85
Roosevelt, Utah 84066

Dear Chris:

Re: Request For Approval Of Additional Zones For Injection In The Helen Larsen 2-5A1 Salt Water Disposal Well

Your request for permitting the interval from 9,500 feet to 10,700 feet for additional zones of injection has been reviewed. A review of geophysical logs and other available data indicates that zones in this interval have little to no permeability. The lack of permeable zones may make this an unfavorable interval for the disposal of water. If you wish to continue the permit process, please notify the Division and a public notice will be published in the Salt Lake Tribune and the Uinta Basin Standard notifying the public of their opportunity to comment. Please contact me at (801)538-5340 if you have any questions.

Sincerely

Daniel J. Jarvis
UIC Geologist

CC: EPA

an equal opportunity employer

FORM 9

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION & SERIAL NO.: FEE

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A

1. OIL WELL [ ] GAS WELL [X] OTHER CLASS TWO INJECTION WELL (DISPOSAL)

7. UNIT AGREEMENT NAME: N/A

2. NAME OF OPERATOR: WATER DISPOSAL INC.

8. FARM OR LEASE NAME: HELEN/LARSEN

3. ADDRESS OF OPERATOR: P.O. Box 85, ROOSEVELT, UTAH 84066

9. WELL NO.: 2-05A1

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface / At proposed prod. zone: 1/2 Mile West and 1/4 mile South of Neola store, in Neola, Utah.

10. FIELD AND POOL, OR WILDCAT: BLUEBELL

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: T1S, R1W, Section 5

14. API NO.: 43-013-30920

15. ELEVATIONS (Show whether DF, RT, GR, etc.):

12. COUNTY: DUCHESNE

13. STATE: UTAH

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[X]
(Other)			

APPROX. DATE WORK WILL START: When EPA approves

SUBSEQUENT REPORT OF:

WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
(Other)			[ ]

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

DATE OF COMPLETION: _____

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

* Must be accompanied by a cement verification report.

Requesting for the INJECTION INTERVAL from 9,500 feet to 10,700 feet. The total upper Injected Interval would be 8,800 to 10,700 feet. This would be for future expansion for the Helen-Larsen Class Two injection well.

RECEIVED
NOV 06 1991
DIVISION OF
OIL GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED Chris Jense TITLE PRESIDENT DATE NOV. 5, 1991

(This space for Federal or State office use)

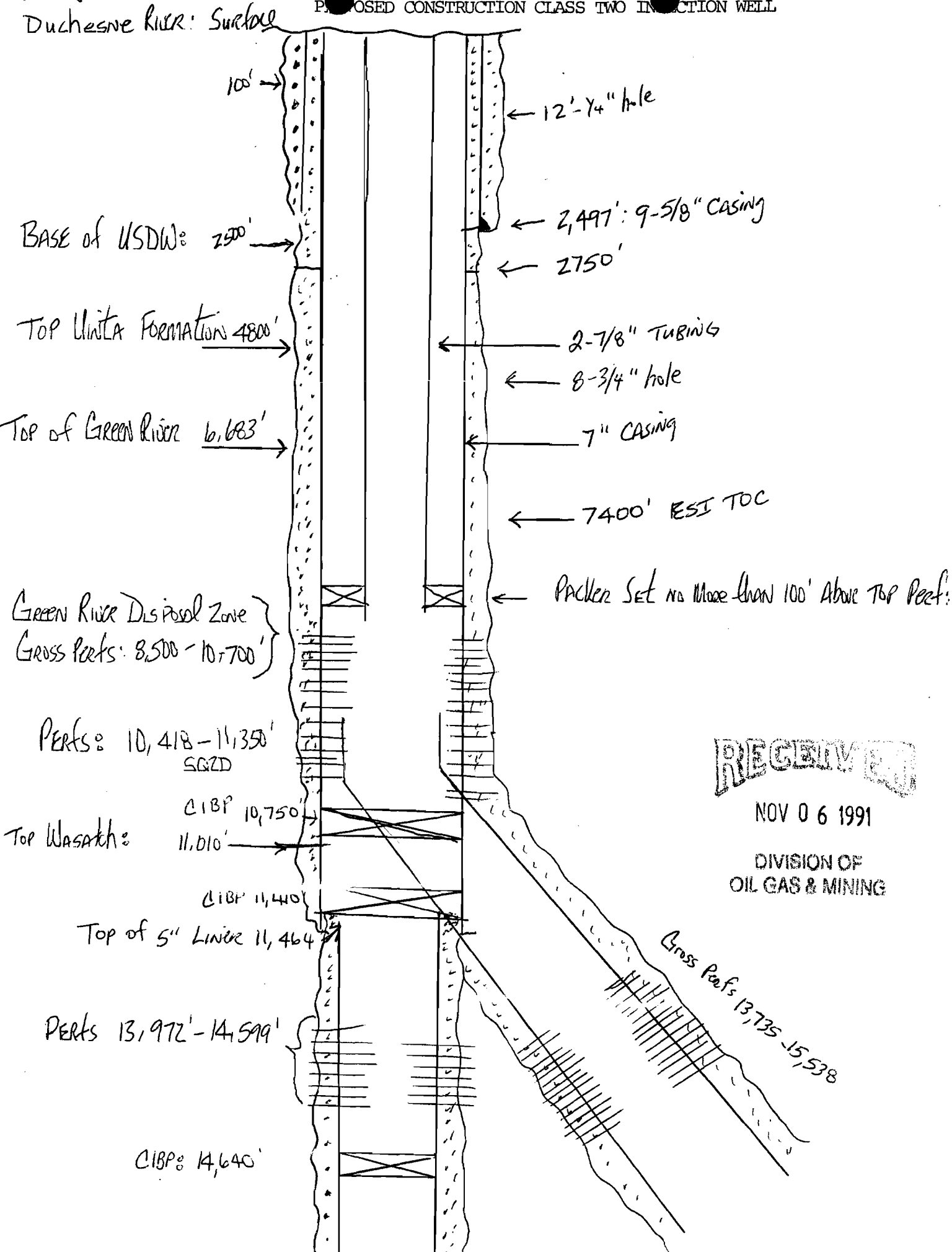
APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

See Instructions On Reverse Side

(3/89)

CHRIS DENVER - HELEN LARSEN No. 2-05[illegible] (SWD)
PROPOSED CONSTRUCTION CLASS TWO INJECTION WELL



RECEIVED
NOV 0 6 1991
DIVISION OF
OIL GAS & MINING

WATER DISPOSAL, INC.
P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532

November 5, 1991

RECEIVED
NOV 0 6 1991
DIVISION OF
OIL GAS & MINING

Division of Oil Gas & Mining
State of Utah
Attention: Gil Hunt
355 West North Temple
3 Triad Center
Salt Lake City, Utah 84180-1203

Dear Mr. Hunt:

Enclosed you will find a Sundry Notice of request to be able to perforate for an additional area for disposal of production water. The zone that I would like is below the now existing zone that I am in at this time. The new area would be from 9,500 feet to 10,700 feet.

I have discussed this matter with Flying J and Pennzoil and they tell me on the phone that they see no problem and would not object to this request. (Phone conversation with John Baza and Ralph Williams.)

I am asking for this area for future disposal. One reason that I am asking for this interval at this time, is due to the timely manner that EPA moves to approve of such and action. If it takes me another 16 months to get approval then by the time I get permission I would be ready for the additional area.

I also submitted the proposed construction of the class two injection well below the now perforated area.

If you would please let me know if you need any other additional information. You have on file log's available and other documents pertaining information concerning the Helen-Larsen disposal.

Sincerely,

Chris Denver

Chris Denver

WATER DISPOSAL, INC.
P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532

RECEIVED
DEC 30 1991
DIVISION OF
OIL GAS & MINING

December 27, 1991

Division of Oil, Gas & Mining
Attention: Gil Hunt
355 West North Temple
3 Triad Center
Salt Lake City, Utah 84180-1203

Re: Helen-Larsen Class two Disposal well

Dear Mr. Hunt:

Enclosed you will find a copy of the notice that I submitted to landowners in the area concerning the additional injected zone that I am seeking at this time.

You will find a list of names that Certified Mail receipts were sent to along with the notice that is attached explaining what my intentions are at this time.

I also posted this notice in the local store and post office in Neola, Utah for those individuals who are interested at this time, concerning this matter.

I received a letter dated December 19, 1991 from Daniel Jarvis explaining about the concern of no permeability and lack of permeable zones which could be unfavorable for disposal water. At this point in time I have no other zone to do to. I can't go very much up from where I am at, unless you see a better zone on the logs! I can't go much deeper or I will be in the zones that the oil companies produce from at this time. So I will just have to try this area and see what happens. I do not plan to spend allot of money perforating this zone. I probably will finish perforating the zone that I was initial given from 8,500 feet to 8,800 feet. (There is alittle permeability in that area according to the logs that I have at this time.)

Gil, if you have any questions please let me know. By the way I have started the process with EPA two months ago, due to the length of time that it takes EPA to approve of such a action.

Sincerely,
Chris Denver

WATER DISPOSAL, INC.
P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532

RECEIVED
FEB 25 1992
DIVISION OF
OIL GAS & MINING

February 24, 1992

State of Utah
Division of Oil, Gas & Mining
Attention: Ron Firth
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Helen-Larsen Disposal

Dear Mr. Firth:

Reference is made to your letter dated December 31, 1991 concerning the way that I notified all parties concerning the application of Chris Denver for an additional interval to inject produced water.

Since that time I have notified the parties of interest with a letter as you requested. To date, all parties have been notified for the secound time, in my opinion, of the anticipated actions regarding the disposal well.

I do desire to continue with my application for an additional area for perforation from 9,501 to 10,500. I also would choose to perforate as my orginal permit indicated from 8,500 to 9,500 feet for perforation.

I have contacted the EPA concerning this matter and within a short time according to EPA a notice will be published for the additional zone as indicated above.

If you have any further questions please contact me at 823-6442 or 722-3532.

Sincerely,

Chris Denver, President
Water Disposal Inc.

WATER DISPOSAL, INC.
P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532

CERTIFICATION

This is to certify that Chris Denver has notified all landowners, mineral owners and/or oil companies concerning the Helen Larsen 2-05A1 permit for disposal of production water in the area of 9,501 to 10,500 feet.

Dated this 24th day of February 1992.

Chris Denver
CHRIS DENVER, PRESIDENT (WDI)

Ruth Arnold
NOTARY SIGNATURE

DATE: 02-24-92

NOTARY PUBLIC
RUTH ARNOLD
10 NORTH 200 EAST
ROOSEVELT, UT 84066
COMMISSION EXPIRES
JUNE 28, 1995
STATE OF UTAH

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH
&
ENVIRONMENTAL PROTECTION AGENCY

IN THE MATTER OF THE APPLICATION OF CHRIS DENVER FOR ADMINISTRATIVE APPROVAL OF THE HELEN LARSEN 2-05A1, LOCATED IN SECTION 5, TOWNSHIP 1, SOUTH RANGE 1 WEST, U.S.M. DUCHESNE COUNTY, UTAH AS A CLASS TWO INJECTION WELL.	**NOTICE OF AGENCY ACTION EPA # UT2538-02701**

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is HEREBY given that the Division and EPA is commencing with an informal adjudicative proceeding to consider the application of Chris Denver or Water Disposal Inc. for administrative approval of the Helen-Larsen 2-05A1 well, located in Section 5, Township 1 South, Range 1 West, Duchesne County, Utah, for an additional injected interval from 9,501 feet to 10,500 feet. The proceeding will be conducted according to the provisions of the Administrative Procedures rules, R615-10 and EPA regulations.

THE OPERATING DATA FOR THE WELL IS AS FOLLOWS:

Proposed Injected Interval: 9,501 to 10,500 Tertiary Green River Formation.

I, Chris Denver HEREBY put owners on notice for administrative approval for an additional conversion of the Helen-Larsen 2-05A1 as a class two disposal well. Please contact me if you have any concerns at the following address:

WATER DISPOSAL INC.
c/o Chris Denver
P.O. Box 85
Roosevelt, Utah 84066

DATED THIS _____. _____

2/10-92

State of Utah
Division of Oil, Gas & Mining
Auditing Division
3 Triad Center Suite 350
355 West North Temple
Salt Lake City, Ut. 84108

RECEIVED
FEB 12 1992
DIVISION OF
OIL GAS & MINING

Dear Sir:
I am a land owner and a Royalty owner in
Re: Helen Larsen #1-5A1 (Ut-256
Section 5-T1S-R1W
Duchense County, Ut. - Well
I would like to know who owns the Well now and what has been going on with the Well.
I have not been inform what has been going on with the well.
I sure would appreciate any information you could give me on this Well.

Thank you
Edward L. Yack
746 So. St. 20-4
Roosevelt, Ut. 84066

Edward Jessack
746 So. State 20-4
Roosevelt, Ut. 84066

29 USA

State of Utah
Natural Resource Oil & Gas,
Mining Auditing Division
3 Triad Center Suite 350
355 West North Temple
Salt Lake City, Ut. 84108

To
Ron or
Norm

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

February 13, 1992

Mr. Edward J. Yack
746 South State 20-4
Roosevelt, Utah 84066

Dear Mr. Yack:

Re: Helen Larsen 2-5A1 Well, Section 5, Township 1 South, Range 1 West, Duchesne County, Utah

This letter is written in response to a letter received from you dated February 10, 1992, in which you requested information concerning the referenced well. The well is presently a produced water disposal well operated by Mr. Chris Denver. The well was originally drilled by Chevron U.S.A. Inc. reaching total depth on March 7, 1981. Due to lack of production the well was plugged back and a deviated hole was drilled by Linmar Energy in the summer of 1984. This hole was then plugged and abandoned by Linmar in November 1988.

Mr. Chris Denver, after acquiring the well, made application to the Division to re-drill the well for purpose of water disposal on August 1, 1990. Approval was given by the Division to convert the well to a disposal well on August 29, 1990. Public notice of this action was published in the Uintah Basin Standard on June 20, 1990. Injection commenced into this well on September 1, 1991, and has continued to the present.

Mr. Denver has subsequently made application for additional injection interval in the well. This matter is pending and public notice will be issued prior to any approval to allow for comment and objections by interested parties.

If I can be of any further assistance, please contact me.

Sincerely,

Gil Hunt

Gil Hunt
UIC Manager

enclosure, letter to L. Yack
cc: R.J. Firth

an equal opportunity employer

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

October 3, 1991

Mr. Lawrence Yack
393 E. 5th N. #102-3
Roosevelt, Utah 84066

Dear Mr. Yack:

Re: Helen Larsen 2-5A1 Disposal Well, Section 5, Township 1 South, Range 1 West, Duchesne County, Utah

This letter is written in response to your comments received at the Board hearing on October 2, 1991, concerning the referenced disposal well.

Your concerns seem to relate to your desire to participate in the operations of the disposal well. As you know, this well was formerly the producing well for the drilling and spacing unit comprising all of the section 5. The leases and acreage in section 5 were pooled and each interest owner shared in the production from the well according to his particular interest. However, the well was plugged and abandoned, thereby terminating the pro-rata sharing of production from the well.

Mineral rights do not include an exclusive right to use all underground formations. These rights are attached to the surface ownership and can be exercised[1] under an appropriate permit so long as these activities do not adversely effect other resources or properties. The disposal of water in this case is a commercial business operation, like many other businesses. Mineral ownership within the drilling unit does not entitle one to share in such business. Also, the existence of this well and its use as a water disposal well does not exclude drilling a well elsewhere in the unit for the purpose of oil and gas production.

This disposal well was permitted by the Division of Oil, Gas and Mining and the U.S. Environmental Protection Agency. Public notice was issued by both agencies during the respective permitting process. It was determined based on the evidence presented that operation of this well as proposed would not adversely impact underground resources in the area and was thus approved by both agencies for use as a water disposal well.

We appreciate your concern in this matter. If further information is required, please contact Gil Hunt or R. J. Firth at this office.

Best regards,

Dianne R. Nielson

Dianne R. Nielson
Director

GLH/ldc
cc: Environmental Protection Agency - Denver
R.J. Firth
G.L. Hunt
WUI14

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 30, 1992

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Gentlemen:

Re: Cause No. UIC-121-1

Enclosed is a Notice of Agency Action before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa Clement

Lisa Clement
Administrative Secretary

ldc
Enclosure
WOI127

an equal opportunity employer

Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

March 30, 1992

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Gentlemen:

Re: Cause No. UIC-121-1

Enclosed is a Notice of Agency Action before the Division of Oil, Gas and Mining, Department of Natural Resources, State of Utah.

It is requested that this notice be published ONCE ONLY, as soon as possible.

Upon completion of this request, please send proof of publication and statement of cost to the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 350, Salt Lake City, Utah 84180-1203.

Sincerely,

Lisa Clement

Lisa Clement
Administrative Secretary

ldc
Enclosure
WOI127

an equal opportunity employer

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION OF CHRIS DENVER FOR ADMINISTRATIVE APPROVAL OF THE HELEN LARSON 2-5A1 WELL, LOCATED IN SECTION 5, TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M., DUCHESNE COUNTY, UTAH AS A SALT WATER DISPOSAL WELL	:	NOTICE OF AGENCY ACTION CAUSE NO. UIC-121-1

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining ("Division") is commencing an informal adjudicative proceeding to consider the request of Chris Denver for administrative approval to perforate additional intervals for injection in the Helen Larson 2-5A1 Waste Disposal Well, located in Section 5, Township 1 South, Range 1 West, Duchesne County, Utah. The proceeding will be conducted in accordance with the provisions of Utah Admin. R649-10, Administrative Procedures.

The applicant, Chris Denver, proposes to perforate additional intervals in the Helen Larson 2-5A1 Well at depths from 8,500 to 9,000 feet and 9,501 to 10,500 feet in the Green River formation. The maximum injection rate and surface pressure will be determined after performing the necessary testing.

Persons objecting to this action may file a protest within 15 days after publication of this notice. If an objection is received by the Division, a formal adjudicative proceeding will be scheduled before the Board of Oil, Gas and Mining.

DATED this 27th day of March, 1992.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

R.J. Firth
Associate Director, Oil and Gas

WOI127/8

CHRIS DENVER
Helen Larson 2-5A1 Well
Cause No. UIC-121-1

Publication Notices were sent to the following:

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Chris Denver
P.O. Box 85
Roosevelt, Utah 84066

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Dan Jackson
Environmental Protection Agency
999 18th Street, Suite 500
Denver, Colorado 80202

Edward Yack
746 South State 20-4
Roosevelt, Utah 84066

Bill Yack
P.O. Box 265
Neola, Utah 84053

Don Yack
P.O. Box 241
Neola, Utah 84053

Ed Whicker
Linmar Petroleum
P.O. Box 1327
Roosevelt, Utah 84066

Dick Pierson
P.O. Box 396
Neola, Utah 84053

Lawrence Yack
393 East 5th North (102-3)
Roosevelt, Utah 84066

Ray Jensen
P.O. Box 157
Neola, Utah 84053

John Baza
Flying J Oil & Gas Inc.
333 West Center Street
P.O. Box 540180
North Salt Lake, Utah 84054-0180

Ralph Williams
Pennzoil Exploration & Production
P.O. Drawer 2967
Houston, Texas 77252

Orven Moon
Neola, Utah 84053

Lisa D. Clement

Lisa Clement
Administrative Secretary
March 30, 1992

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation

The Salt Lake Tribune (NA) DESERET NEWS

CUSTOMER'S COPY

LEGAL ADVERTISING INVOICE

RECEIVED
APR 15 1992
DIVISION OF
OIL GAS & MINING

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	BILLING DATE
DIV. OF OIL & GAS 355 W NO TEMPLE, #350 3 TRIAD CENTER SALT LAKE CITY, UT 84180	LE-5385340	04/07/92

FOR BILLING INFORMATION
CALL (801) 237-2822

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTIONCAUSE NO. UIC-121-1BEF FOR DIV. OF OIL & GAS WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCURATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON APR 06 1992

SIGNATURE Jim E. Peterson

DATE 04/07/92

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-121-1
BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF CHRIS DENVER FOR FOR ADMINISTRATIVE APPROVAL OF THE HELEN LARSON 2-5A1 WELL, LOCATED IN SECTION 5, TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M., DUCHESNE COUNTY, UTAH, AS A SALT WATER DISPOSAL WELL.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining ("Division") is commencing an informal adjudicative proceeding to consider the request of Chris Denver for administrative approval to perforate additional intervals for injection in the Helen Larson 2-5A1 Waste Disposal Well, located in Section 5, Township 1 South, Range 1 West, Duchesne County, Utah. The proceeding will be conducted in accordance with the provisions of Utah Admin. R649-10, Administrative Procedures.

The applicant, Chris Denver, proposes to perforate additional intervals in the Helen Larson 2-5A1 Well at depths from 8,500 to 9,000 feet and 9,501 to 10,500 feet in the Green River formation. The maximum injection rate and surface pressure will be determined after performing the necessary testing.

Persons objecting to this action may file a protest within 15 days after publication of this notice. If an objection is received by the Division, a formal adjudicative proceeding will be scheduled before the Board of Oil, Gas, and Mining.

DATED this 27th day of March, 1992.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
/s/ R. J. Firth
Associate Director, Oil and Gas
42820110

ACCOUNT NAME	TELEPHONE
GAS	801-538-5340

SCHEDULE	AD NUMBER
	42820110

NO.	CAPTION	MISC. CHARGES
	NOTICE OF AGENCY ACTIONCAUSE NO. UIC-121-1BEF	.00

E	TIMES	RATE	AD CHARGE
1 COLUMN	1	1.64	100.04
ON RECEIPT OF THIS INVOICE		TOTAL AMOUNT DUE	100.04

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AFFIDAVIT OF PUBLICATION

ER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ENT OF NOTICE OF AGENCY ACTIONCAUSE NO. UIC-121-1BEF FOR OF OIL & GAS WAS PUBLISHED BY THE NEWSPAPER AGENCY N, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS,DAILY NEWSPAPERS THE ENGLISH LANGUAGE WITH GENERAL CIRCURATION IN UTAH,AND PUBLISHED KE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

ON APR 06 1992

07/92

ACCOUNT NAME	TELEPHONE
DIV. OF OIL & GAS	801-538-5340

SCHEDULE	AD NUMBER
APR 06 1992	42820110

CUST. REF. NO.	CAPTION	MISC.CHARGES
CAUSE #UIC-121-1	NOTICE OF AGENCY ACTIONCAUSE NO. UIC-121-1BEF	.00

SIZE	TIMES	RATE	AD CHARGE
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3 TRIAD CENTER
SALT LAKE CITY, UT 84180

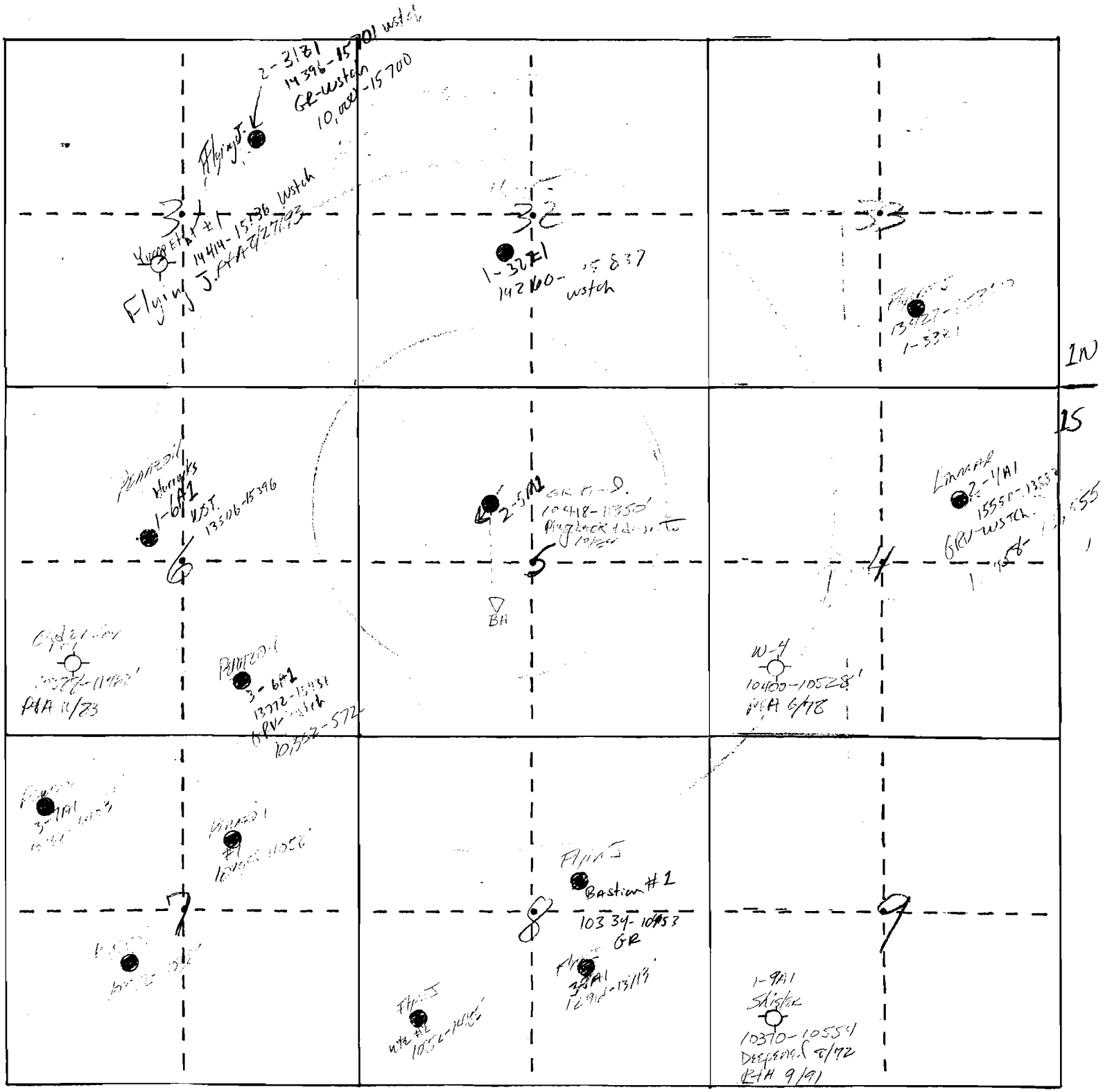
COPY

0764627062011090000000000000100041875738173122101111111111111121115

Operator Chris Dreier

Well 2-5 A1 Helen Larsen

Location 1 south, 1 west section 5



Not to Scale

DATE 05/27/92 PRODUCTION INQUIRY SCREEN MENU: OPTION 00

TWNSHP	RANGE	SC	SPOT	MD.	API	ZONE	STATUS
1.0 S	1.0 W	5	SENW	U	43-013-30920	GRRV	WDW

OPERATOR: N2875 : CHRIS DENVER/JOHN CHASEL
WELL NAME: HELEN LARSEN 2-5A1
ENTITY: 9138 :

ACCT	ENTY	DAYS	OIL PROD	GAS PROD	WATER PROD	PERIOD
CUM THRU 12/31/90			34337.00	23855.00	28035.00	
N9520	9138	3	51.00	0.00	170.00	87-01
N9520	9138	2	31.00	0.00	0.00	87-02
N9520	9138	4	26.00	0.00	300.00	87-03
N9520	9138	1	21.00	0.00	0.00	87-04
N9520	9138	4	46.00	0.00	10.00	87-05
N9520	9138	2	21.00	0.00	10.00	87-06
N9520	9138	9	124.00	0.00	787.00	87-07
N9520	9138	2	400.00	0.00	84.00	87-08
N9520	9138	2	25.00	0.00	0.00	87-09
N9520	9138	11	132.00	0.00	252.00	87-10
N9523	9138	1	31.00	0.00	0.00	87-11
N9523	9138	1	31.00	0.00	0.00	87-12
		YTD	939	0	1,613	

OPT: 13 API: 4301330920 ZONE: GRRV PERIOD(YYMM): 8700 ENTY: 9138 ACCT:

			W/O
[illegible]	[illegible]	[illegible]	0.58
[illegible]	[illegible]	[illegible]	2.5
[illegible]	[illegible]	[illegible]	1.72
1988	[illegible]	[illegible]	2.69

DATE 05/27/92 PRODUCTION INQUIRY SCREEN MENU: OPTION 00

TWNSHP	RANGE	SC	SPOT	MD.	API	ZONE	STATUS
1.0 S	1.0 W	5	SENW	U	43-013-30920	GRRV	WDW

OPERATOR: N2875 : CHRIS DENVER/JOHN CHASEL
WELL NAME: HELEN LARSEN 2-5A1
ENTITY: 9138 :

ACCT	ENTY	DAYS	OIL PROD	GAS PROD	WATER PROD	PERIOD
CUM THRU 12/31/90			34337.00	23855.00	28035.00	
N9523	9138	1	13.00	0.00	0.00	88-01
N9523	9138	1	18.00	0.00	0.00	88-02
N9523	9138	2	13.00	0.00	45.00	88-03
N9523	9138	19	539.00	0.00	734.00	88-04
N9523	9138	8	98.00	0.00	1160.00	88-05
N9523	9138	1	206.00	0.00	0.00	88-06
N9523	9138	0	0.00	0.00	0.00	88-07
N9523	9138	0	0.00	0.00	0.00	88-08
N9523	9138	0	0.00	0.00	0.00	88-09
N9523	9138	0	0.00	0.00	450.00	88-10
N9523	9138	0	0.00	0.00	0.00	88-11
N9523	9138	0	0.00	0.00	0.00	88-12
		YTD	887	0	2,389	

OPT: 13 API: 4301330920 ZONE: GRRV PERIOD(YYMM): 8800 ENTY: 9138 ACCT:

W/O = 0.82

P+A 11/88

DATE 05/27/92 PRODUCTION INQUIRY SCREEN MENU: OPTION 00

TWNSHP	RANGE	SC	SPOT	MD.	API	ZONE	STATUS
1.0 S	1.0 W	5	SENW	U	43-013-30536	GR-WS	PA

OPERATOR: N9520 : LINMAR ENERGY CORPORATION
WELL NAME: CHEVON WAINOCO HELEN LARSEN 1-5A1
ENTITY: 9138 :

ACCT	ENTY	DAYS	OIL PROD	GAS PROD	WATER PROD	PERIOD
CUM THRU 12/31/90			4226.00	5110.00	48655.00	
N9520	9138	0	0.00	0.00	0.00	84-06
N9520	9138	0	0.00	0.00	0.00	84-07
		YTD	0	0	0	

OPT: 13 API: 4301330536 ZONE: GR-WS PERIOD(YYMM): 8400 ENTY: 9138 ACCT:

w/o = 11.5

Form 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

6. Lease Designation and Serial Number

7. Indian Allottee or Tribe Name

RECEIVED

8. Unit or Communitization Agreement

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.
Use APPLICATION FOR PERMIT— for such proposals.

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other (specify) CLASS TWO INJECTION WELL

9. Well Name and Number
Helen-Larsen 2-05A1

2. Name of Operator
CHRIS DENVER or WATER DISPOSAL INC.

10. API Well Number
43-013-30920

3. Address of Operator
P.O. Box 85 , Roosevelt, Utah 84066

4. Telephone Number
722-2922

11. Field and Pool, or Wildcat
Altamont-Bluebell Field

5. Location of Well
Footage :
QQ, Sec, T., R., M. : Township 1 South Range 1 West Section 5
County : DUCHESNE
State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)		SUBSEQUENT REPORT (Submit Original Form Only)	
☐ Abandonment	☐ New Construction	☐ Abandonment *	☐ New Construction
☐ Casing Repair	☐ Pull or Alter Casing	☐ Casing Repair	☐ Pull or Alter Casing
☐ Change of Plans	☐ Recompletion	☐ Change of Plans	☒ Shoot or Acidize
☐ Conversion to Injection	☒ Shoot or Acidize	☐ Conversion to Injection	☐ Vent or Flare
☐ Fracture Treat	☐ Vent or Flare	☐ Fracture Treat	☐ Water Shut-Off
☐ Multiple Completion	☐ Water Shut-Off	☐ Other	
☐ Other			

Approximate Date Work Will Start July 26, 1992

Date of Work Completion July 27, 1992

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Completed operations are as follows: Pumped approximately 460 barrels of 15 to 17% acid downhole. Used one triplex pump to help pump liquid downhole. Pressures to pump the acid were 2,350 PSI. After pumping acid downhole let set for 12 hours before pumping into the facility with production water. We noticed a drop in pressure by 150 PSI. Casing Head pressure is at zero.

It is our approximate guess that at present I am only using about 35 to 40% of the Perforations downhole. I have had a local company do a test on the water for determination of surfactants that could be used if corrosion is occuring in and around the perforated holes.

Since the first day of disposal production I have not completed a large Acid job to help open up the perforated holes for disposal of production water.

14. I hereby certify that the foregoing is true and correct

Name & Signature Chris Denver Title President Date 8-12-92

(State Use Only)

(8/90) See Instructions on Reverse Side

BEFORE THE BOARD OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION OF CHRIS DENVER FOR ADMINISTRATIVE APPROVAL OF THE HELEN LARSON 2-5A1 WELL, LOCATED IN SECTION 5 TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M. DUCHESNE COUNTY, UTAH, AS A SALT WATER DISPOSAL WELL	:	ORDER DENYING WITHOUT PREJUDICE APPLICATION OF CHRIS DENVER TO PERFORATE ADDITIONAL DEPTHS, AND ORDER DENYING PROTESTS DOCKET NO. 92-026 CAUSE NO. UIC-121-1

---ooOoo---

This matter came on for hearing before the Utah Board of Oil, Gas & Mining (the "Board") on Wednesday, June 24, 1992 at the hour of 10:00 a.m. Members of the Board present at the hearing were James W. Carter, Chairman, Judy F. Lever, Jay L. Christensen, Raymond Murray, Kent G. Stringham, and Dave D. Lauriski. Present from the Division were Dr. Dianne R. Nielson, Director, and R.J. Firth, Associate Director, Oil and Gas. Applicant Chris Denver appeared on behalf of himself. Roland Uresk, Esq. appeared on behalf of William Yack, Frank Yack, Ed Yack, Don Yack, and Lawrence Yack, to protest the application.

The Board, having considered the testimony of the parties and exhibits filed in the matter, and good cause appearing, hereby makes the following findings of fact, conclusions of law and Order:

FINDINGS OF FACT

1. On November 6, 1991, Chris Denver submitted an application, in accordance with the applicable rules and regulations of the Board, for administrative approval to perforate additional intervals at depths from 8,500 to 9,000 feet for injection in the Helen Larson 2-5A1 well in Section 5, Township 1 South, Range 1 West S.L.M., Duchesne County, Utah (the "Larson Well").

2. Mr. Denver gave notice of his application pursuant to the requirements of Utah Admin. R. 615-5-3 (1992), and provided a copy of his application to all operators, owners and surface owners within a one-half mile radius of the Larson Well as required by Utah Admin. R. 615-5-2 (1992).

3. Ronald Uresk, Lawrence Yack, William Yack, Frank Yack, Ed Yack and Don Yack (the "Protestants") protested Mr. Denver's application claiming that the perforation to the additional depths would damage the Protestants's mineral interest, resulting in the storage of production water underneath his land, and that the storage of production water would constitute an unlawful trespass.

4. Protestants introduced no technical evidence demonstrating that fluids injected into the Larson Well would reach their property.

5. Protestants introduced no technical evidence demonstrating that the fluids injected into the Larson Well would interfere with any mineral interest of Protestants.

6. Mr. Denver introduced no technical evidence to support a finding that perforating the Larson Well to additional depths will be "completed, equipped, operated, and maintained in a manner that will prevent pollution and damage to any USDW, or other resources and will confine injected fluids to the interval approved." Utah Admin. R. 649-5-2 (1992).

CONCLUSIONS OF LAW

1. Based on the evidence presented by Mr. Denver, the Board is presently unable to determine whether all applicable statutory and administrative requirements have been met for the approval of the perforation of the Larson Well to additional depths.

2. Based on the evidence presented by Protestants, the Board has no evidence before it which would support finding that the Application to perforate the Larson Well to additional depths should not be approved.

ORDER

1. The objections of Protestants are denied. The Board does not have jurisdiction to regulate disputes of surface uses, and since no evidence is before the Board that any injected waste water will reach Protestants' land, the Board does not reach the issue of whether the salt water injection could constitute a trespass.

2. The Application of Mr. Denver to perforate the Larson

Well to additional depths is denied without prejudice. This Order will not prejudice Mr. Denver's right to refile his Application in the future.

DATED this 23rd day of September, 1992.

STATE OF UTAH

BOARD OF OIL, GAS AND MINING

James W. Carter, Chairman

11-18-92
Roosevelt, Utah

Dear Sirs,
I am Writing in regards to the Helen Larsen injection Well located in Sec. 5, 1 So. 1 W. 45 M. Duchesne co.
I am again protesting the use of this Well for Salt Water injection; maintaining that it projects a unfavorable picture for oil & gas developement.

this Well is surrounded by productive oil Wells, producing in the Green river & Wasatch formations

I trust your upmost Scrutiny is prevelent.

E. J. Larsen
Rt. 2 Box 2548
Roosevelt, Utah 84066

RECEIVED
NOV 20 1992
DIVISION OF
OIL GAS & MINING

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 500
DENVER, COLORADO 80202-2466

NOV 19 1992

RECEIVED
NOV 23 1992
DIVISION OF
OIL GAS & MINING

Ref: 8WM-DW

CERTIFIED MAIL
RETURN REQUESTED

Mr. Chris Denver
Water Disposal, Inc.
P. O. Box 85
Roosevelt, UT 84066

RE: UNDERGROUND INJECTION CONTROL (UIC)
NOTICE OF APPLICATION DEFICIENCY & CONSTRUCTION CLARIFICATION FOR EPA PERMIT NO. UT2538-02701, and
Linmar: Helen Larsen No. 2-05A1
Chevron: Helen Larsen No. 1-05A1
SE NW Section 5 - T1S - R1W
Duchesne County, Utah

Dear Mr. Denver:

At this time, the Environmental Protection Agency (EPA) has identified contradictory information in your application for a major permit modification for the subject well. This information must be clarified before a decision on modification can be considered. In order to correct the deficiency, please submit: A complete chronological history of the drilling-completion-plugging and abandonment of the Linmar Helen Larsen No. 2-05A1; a request for a specific total disposal interval; and a new rework (construction) plan and schematic diagram.

Schematic construction diagrams of the Chevron Helen Larsen No. 1-05A1, of the Linmar Helen Larsen No. 2-05A1 (whipstocked hole), and the Chris Denver Helen Larsen No. 2-05A1 SWD, all enclosed, require clarification. Please note the following:

ENCLOSURE NO. 1: The schematic diagram (PROPOSED CONSTRUCTION: May 1991) of the Chris Denver Helen Larsen No. 2-05A1 SWD, describes no cast iron bridge plug (CIBP) at 10,367 feet in the Chevron Helen Larsen No. 1-05A1, and no cement inside of casings below a CIBP at 10,130 feet. New data submitted by your office indicates that a CIBP at 10,367 feet was set by Linmar, preparatory to their cutting a window at 10,337 feet.

ENCLOSURE NO. 2: As submitted by your office, a schematic diagram of the Helen Larsen No. 2-05A1 SWD, PRESENT HOLE CONSTRUCTION, does not describe a CIBP at 10,367 feet in the Chevron Helen Larsen No. 1-05A1. The CIBP was placed on the schematic by the EPA. This schematic also identifies no cement inside of casings below a CIBP at 10,130 feet.

ENCLOSURE NO. 3: A July 15, 1992 PROPOSED HOLE (MODIFICATION) CONSTRUCTION for Chris Denver reentering the Linmar Helen Larsen No. 2-05A1 (whipstocked hole) did not identify a CIBP at 10,367 feet. The CIBP was placed on the schematic diagram by the EPA. Upon reaching a total depth (TD) of 10,520 feet, or 10,550 feet in the Linmar hole, it is Chris Denver's intent to set a CIBP between 10,520 feet to 10,550 feet. No casings cement is indicated in the Chevron No. 1-05A1 above a CIBP at 11,410 feet, and in the Linmar Helen Larsen No. 2-05A1 below the proposed CIBP at 10,520 - 10,550 feet.

ENCLOSURE NO. 4: This schematic diagram, for deepening the disposal interval into the Linmar Helen Larsen No. 2-05A1, does not show a CIBP at 10,367 feet. But, it does show cement inside casing in the Chevron Helen Larsen No. 1-05A1 from a CIBP at 11,410 feet to an unidentified uphole depth. The schematic also shows cement inside casing in the Linmar No. 2-05A1 from TD to a depth upon which a CIBP is indicated. This implies that you will drill cement from a present plug back total depth (PBTD) of 9860 feet to at least 10,520 feet.

ENCLOSURE NO. 5: An October 28, 1982 PROPOSED HOLE CONSTRUCTION for deepening the Helen Larsen No. 2-05A1 SWD identifies a CIBP at 10,367 feet; cement inside of casing in the Linmar Helen Larsen No. 2-05A1 from TD to an unidentified uphole depth; no cement in the casing above the CIBP at 11,410 feet in the Chevron Helen

Larsen No. 1-05A1; and, no mention of a CIBP in the Chris Denver Helen Larsen No. 2-05A1 SWD at modification TD.

Please refer to the Code of Federal Regulations (40 CFR) revised as of July 1, 1991, and in particular § 144.31 (Application For a permit; authorization by permit) and § 124.3 (Application for a permit). Please note that § 144.31 (d), Completeness, states in part that "For EPA-administered programs an application which is reviewed under § 124.3 is complete when the Director receives either a complete application or the information listed in a notice of deficiency." Then § 124.3 (d) states that "If an applicant fails or refuses to correct deficiencies in the application, the permit may be denied and appropriate enforcement actions may be taken under the applicable statuary provision..."

If you have any questions in regard to the above action, please contact Emmett Schmitz at (303) 293-1436. Continue to send all correspondence, including the above-requested information, to the **ATTENTION: EMMETT SCHMITZ**, citing **MAIL CODE: 8WM-DW** very prominently. Please note that a failure to submit the requested information may result in a denial of your request to modify EPA Permit No. UT2538-02701. The presence of a CIBP at 10,367 feet, in the Chevron Helen Larsen No. 1-05A1, is now documented.

Sincerely,

Thomas J. Pike, Chief
UIC Implementation Section

enclosures: Five schematic diagrams

cc w/ enclosures: Mr. Gil Hunt
State of Utah
Division of Oil, Gas and Mining
3 Triad Center - #350
Salt Lake City, UT 84180-1203

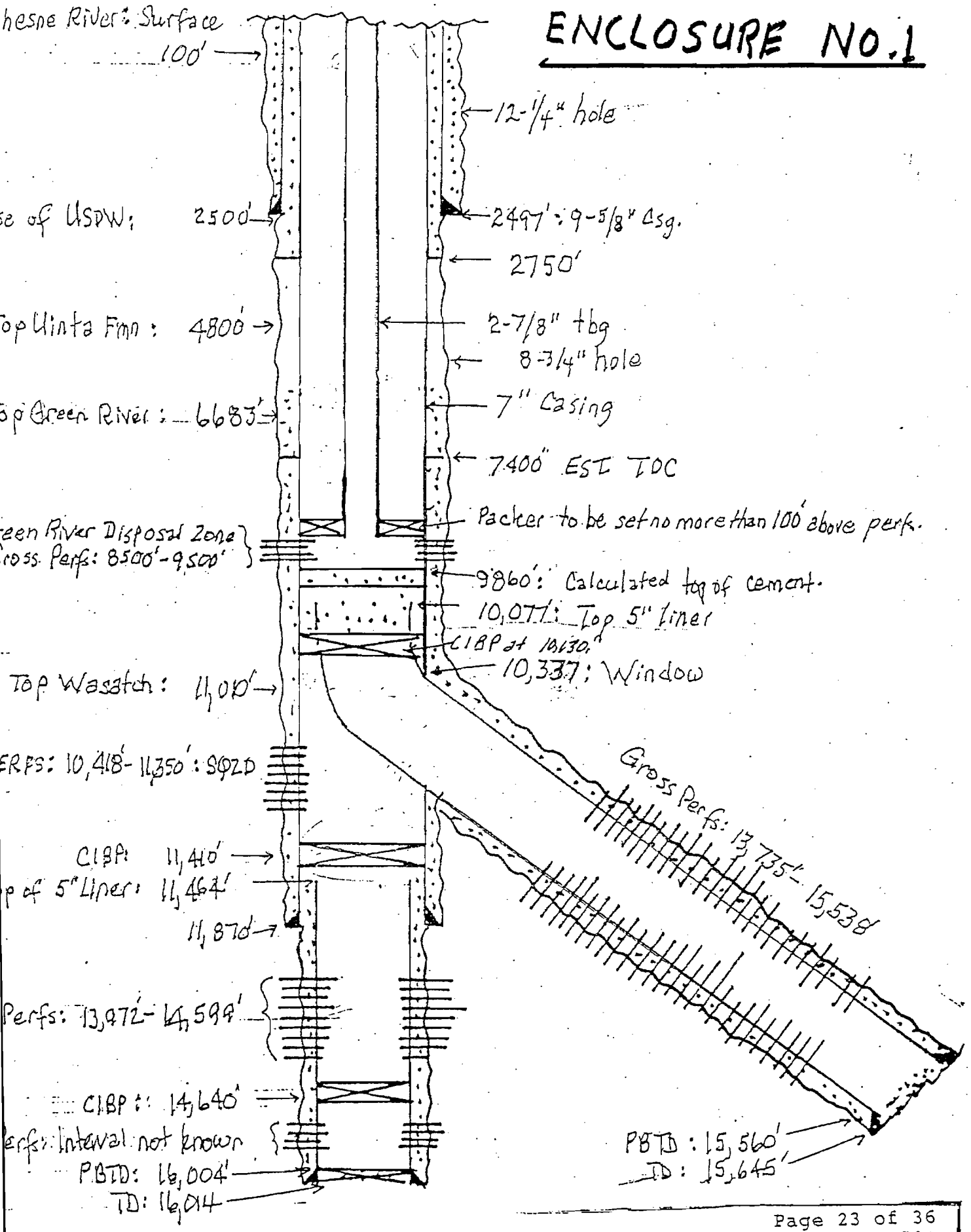
Mr. Ferron Secakuku, Executive Director
Energy & Minerals Resource Dept.
Uintah & Ouray Indian Agency
Fort Duchesne, UT 84026

Mr. Charles Cameron
Bureau of Indian Affairs
Uintah & Ouray Indian Agency
Fort Duchesne, UT 84026

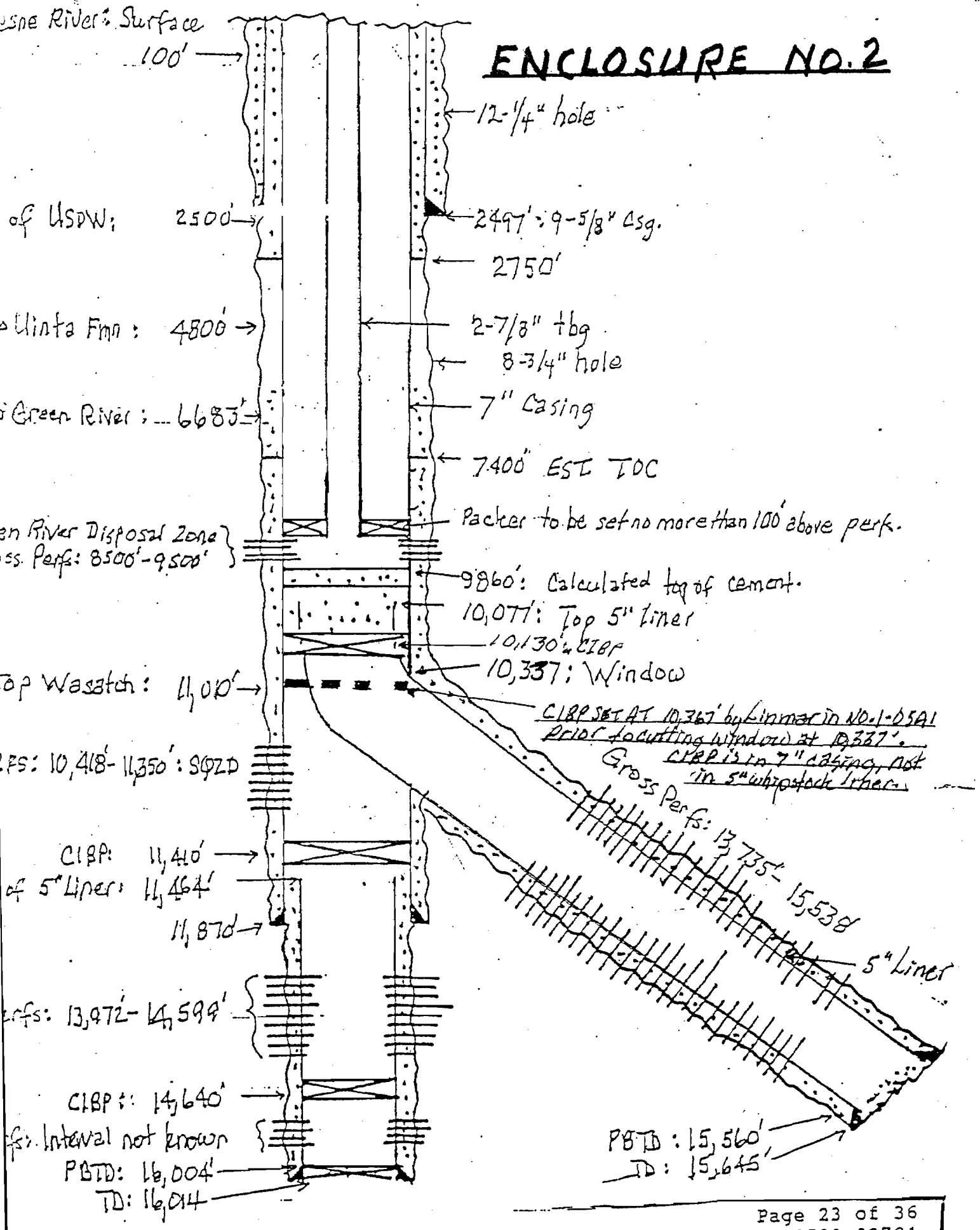
Mr. Jerry Kenszka
Vernal District
Bureau of Land Management
170 South 300 East
Vernal, UT 84078

CHRIS DENVER HELEN LARSEN NO. 2-05A1 (SWD)
Proposed Construction Salt Water Disposal

ENCLOSURE NO. 1

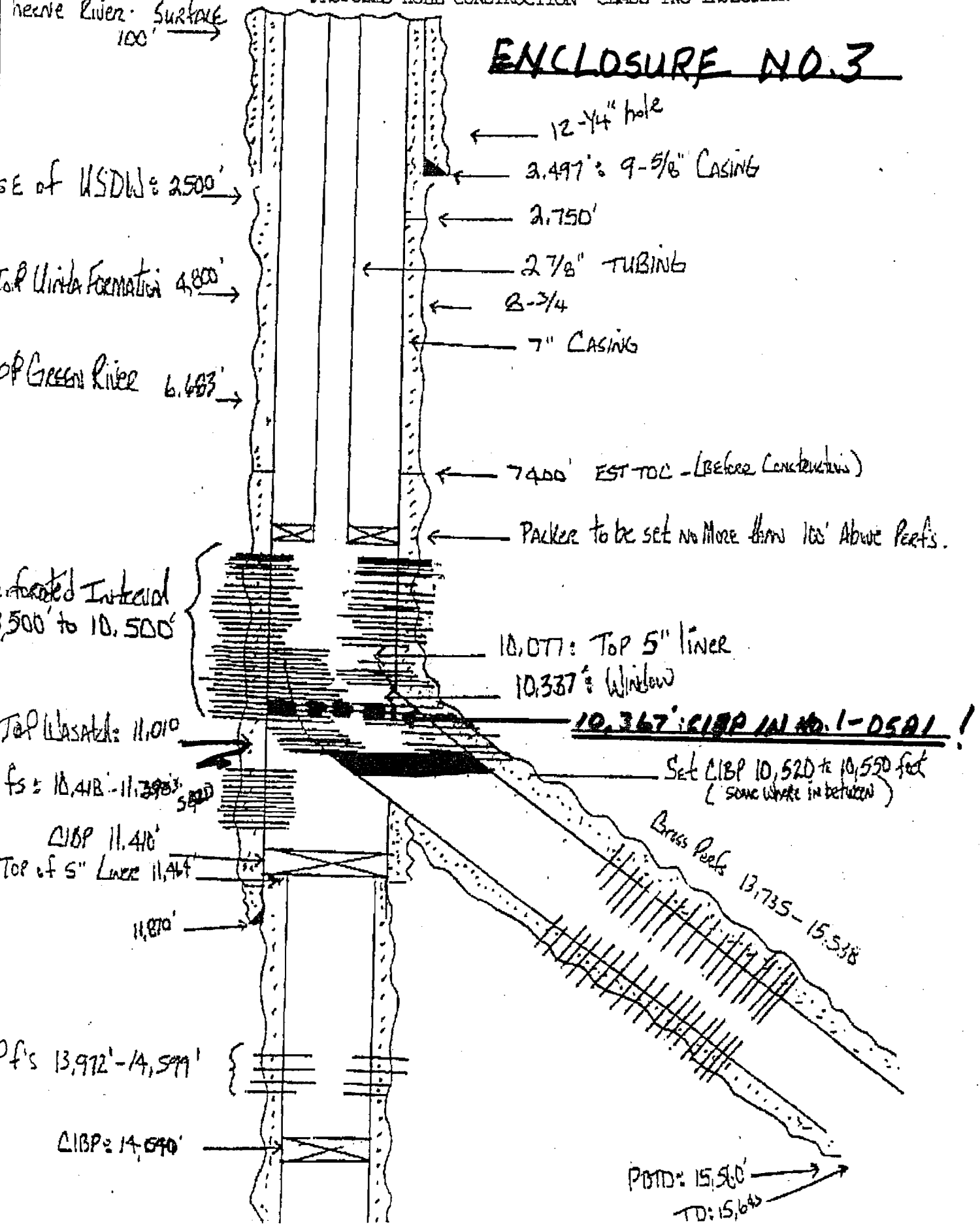


PRESENT HOLE CONSTRUCTION

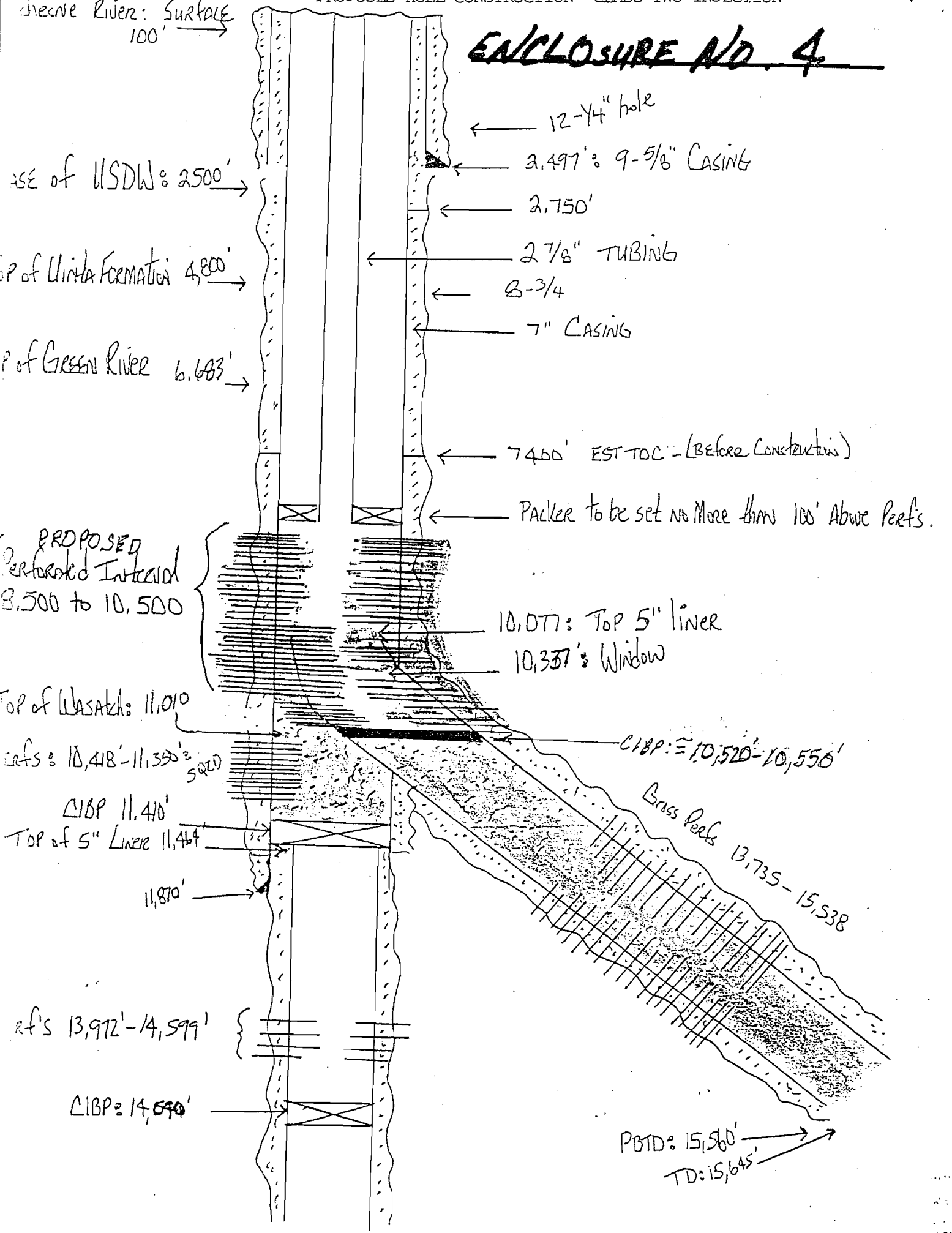


CHRIS DENVER - HELEN LARSEN DISPOSAL No. 2-05A1 (swd)
PROPOSED HOLE CONSTRUCTION CLASS TWO INJECTION

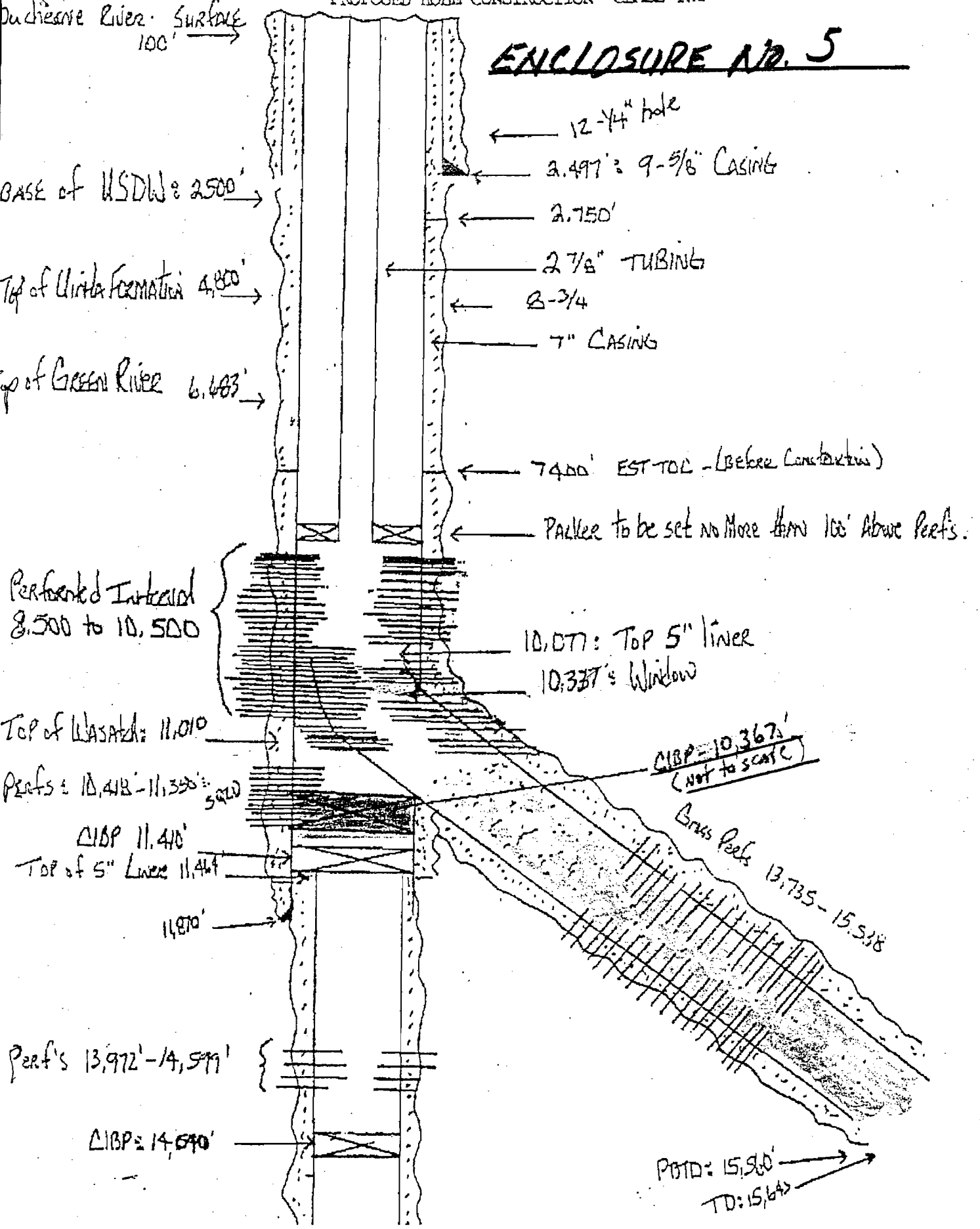
ENCLOSURE NO. 3



CHRIS DENVER - HELEN LARSEN DISPOSAL No. 2-05A1 (swd)
PROPOSED HOLE CONSTRUCTION CLASS TWO INJECTION



CHRIS DENVER - HELEN LARSEN DISPOSAL No. 2-05A1 (swd)
PROPOSED HOLE CONSTRUCTION CLASS TWO INJECTION



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

GLH

April 2, 1993

Chris Denver
P.O. Box 85
Roosevelt, Utah 84066

Dear Mr. Denver:

43-013-30920

Re: Application to Deepen and Perforate Additional Interval in the Helen Larsen 2-5A1 Well, Section 5, Township 1 South, Range 1 West, Duchesne County, Utah

The Division of Oil, Gas and Mining ("Division") has received your application as referenced above. The Division finds that the information as submitted is deficient. This letter outlines further information required by the Division before any further action can be taken on the application.

As you know, a similar request was made by you for the addition of a deeper injection interval in November of 1991. That request resulted in a hearing before the Board of Oil, Gas and Mining ("Board") in June 1992. The Board in that case denied the objections of the protestants and also denied without prejudice your request for the additional interval. Therefore, when you have provided the Division with adequate information such that all applicable statutory and administrative requirements have been met, this matter will be presented to the Board for their approval.

Please provide the following information to allow for continuing the review of your request.

1. For the application to deepen provide:

   - Specifications for pressure control equipment and a schematic diagram showing sizes, pressure ratings, or API series, proposed testing procedures and testing frequency.

- A completed Form 3, Application to Drill, Deepen, or Plug back, and completely describe the drilling equipment and casing program.

- The type and characteristics of the circulating medium to be used in drilling, the quantities and types of mud and weighting material to be maintained, and monitoring equipment to be used on the mud system.

- Type and amount of testing and/or logging to be performed after perforating deeper interval.

- Expected bottomhole pressure and any anticipated abnormal pressures or temperatures or potential hazards such as hydrogen sulfide along with contingency plans for handling these hazards.

2. For approval of fluid injection into the deeper interval provide:

   - A professional evaluation of the effect that water injection into the proposed interval might have on the area which has been spaced for drilling and production of oil, gas and associated hydrocarbons. Will the injection adversely affect future possible development and production of hydrocarbons?

   - Geologic information on the proposed injection interval and the confining layers (above and below) including; cross sections north-south and east-west through the subject injection well to nearest offset wells showing lithology, thickness, depth, lateral extent, and porosity.

We are returning the submitted application. Please supplement the application with the requested information and resubmit for review by the Division. Please note that the application must be completed at a professional competency level which

allows for determination as to whether laws, requirements and standards have been adequately addressed. If you have further questions, please contact this office.

Sincerely,

Gil Hunt
UIC Program Manager

ldc
Enclosure
cc: EPA, Denver
R.J. Firth
T. Mitchell
WUI95

FORM 3

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

5. Lease Designation and Serial No.: FEE

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

8. Farm or Lease Name:

9. Well No.: HELEN-LARSEN

10. Field and Pool, or Wildcat: BLUEBELL- GREENRIVER

11. QQ, Sec., T., R., M., or Blk. and Survey or Area: SECTION 5, T1S, R1W

12. County or Parrish: DUCHESNE

13. State: UTAH

a. Type of Work: DRILL ☐ DEEPEN ☒ PLUG BACK ☐

b. Type of Well: Oil Well ☐ Gas Well ☐ Other Disposal well Single Zone ☐ Multiple Zone ☐

Name of Operator: Chris Denver

c. Address of Operator: P.O. Box 85, Roosevelt, Utah 84066

Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface: Township 1 South, Range 1 West, Section 5
Helen Larson 2-05A1
At proposed prod. zone: 43-013-30920

14. Distance in miles and direction from nearest town or post office*: One/half mile from Neola, Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any): 16. No. of acres in lease: Three 17. No. of acres assigned to this well: Three

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.: 19. Proposed depth: 20. Rotary or cable tools:

Elevations (Show whether DF, RT, ...): 5966' GL 22. Approx. date work will start*: Will determine Later.

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
Surface Casing	9 5/8"	Shoe set at 2495' and is cemented to surface		
Long String	7"	Shoe is set at 11,870' and the cement top is approximately 7400'		

It is proposed to clean out cement and mud to 9900' and perforate additional intervals for SWD.
The proposed interval to be injected into is 150' above the TGr3. A good cement bond, and an isolating shale interval just above the TGr3 from 9984' to 10,044' should prevent injected water from communicating into zones spaced for production of oil, gas, and associated hydrocarbons. A subsequent application to clean out the well to 10,500' will be submitted after oil well operators have sufficiently tested the production potential of the TGr3 interval in offset wells.

RECEIVED
MAY 0 5 1993
DIVISION OF OIL GAS & MINING

See Attachement A for Additional Information

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. I hereby certify that this report is true and complete to the best of my knowledge.

Signed: [signature] Title: President Date: 5-4-93

(This space for Federal or State office use)

API NO. ..... Approval Date .....

Approved by ..... Title ..... Date .....

Conditions of approval, if any:

*See Instructions On Reverse Side

/89)

ATTACHMENT A

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

R615-3-4

1. Application form 3 is submitted and attached, enclosed with this attachment A. API #43-013-30920.

2.1. (801) 722-2922, Chris Denver, Person to contact if additional information is needed.

2.2 Identification of lease is fee owner, and fee mineral.

2.3 Well is located in the Altamont-Bluebell field in the State of Utah. Township 1 South, Range 1 West, Section 5, Duchesne County.

2.4 See enclosed map under first disposal approval.

2.5 Produced water will be used to drill cement and clean out down to the deeper interval. Therefore, demand for fresh water will be very limited.

2.6 Drilling Program: See below concerning this program.

2.6.1 GEOLOGIC MARKERS:
Duchesne River Formation is from 2,800 Feet to surface
Uintah Formation 2,800 to 6,683
Green River Formation 6,683 to Wasatch Formation 11,355.

2.6.2 The well has previously been drilled, cased, and cemented across the entire interval to be cleaned out, therefore no additional disturbance of water or mineral-bearing formations is expected.

2.6.3 Pressure control equipment will consist of 6", 5000 psi BOP, including blind rams, pipe rams, a stripper head while drilling and a lubricator when perforating. A schematic diagram is attached. The rams will be operated daily. Prior to perforating a six inch doughnut will be placed in the tubing hanger. Blind rams, pipe rams, and the lubricator will be tested to 1000 psi.

ATTACHMENT A
PAGE 2

2.6.4 The deepening procedure will actually be cleaning out cement and drilling mud in 7" casing. The cement and mud will be drilled and circulated out using a workover rig and 2-7/8" tubing.

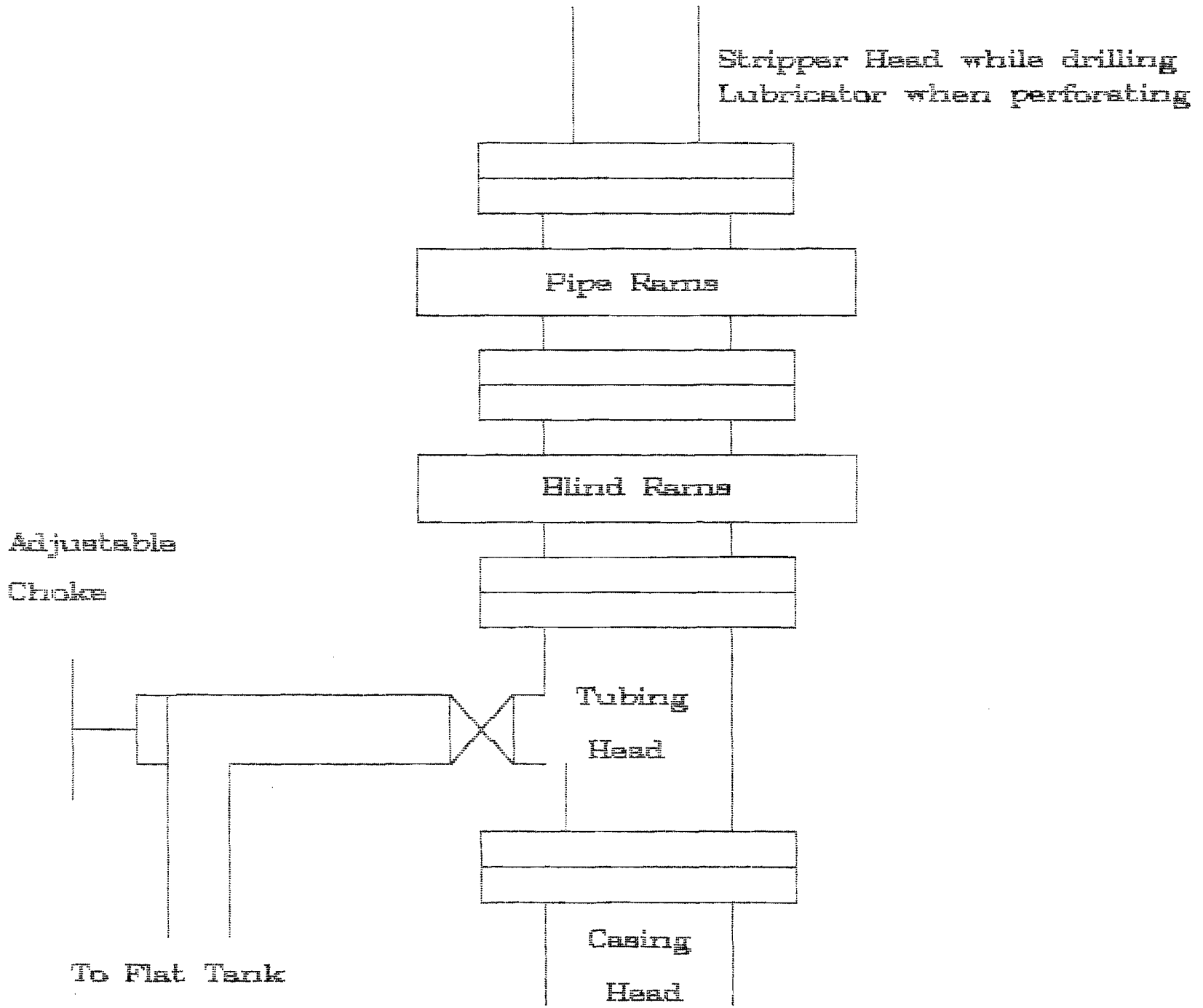
2.6.5 Produced water will be used as the circulating meduim, as noted above. No weighting material will be required. Monitoring of water gains or losses will be done at the flat tank.

2.6.6. No coring will be done. Open hole Dual Induction and Formation Density logs have already been run across the interval of interest. A casing cement bond log has also been run. No additional logs or tests are anticipated prior to perforating the interval.

2.6.7 The well was originally drilled through this interval using 8.5 pound mud and subsequently cased and cemented. The maximum expected bottom hole pressure prior to perforating will be the hydrostatic pressure of water. No abnormal pressures or unusual hazards, including H2S are expected.

2.6.8 The operator has contacted the surface owners and has entered-into an agreement with surface owners for the proposed well. The operators have entered into an agreement with the mineral owners for purposes of well-bore rights. So all surface owners should be aware of the application for the class two disposal well. On the wellsite No illegal drugs, alcoholic beverages or weapons of any kind will be allowed on these premises. Persons under the influence of drugs or alcohol are not permitted beyond this point. Operator has made his employee's knowledgeable of these policies and conditions, and that he will obtain consent that they are subject to search at any time while working for operator.

Helen Larsen SWD BOP Equipment



Norman H. Bangerter
Governor
Dee C. Hansen
Executive Director
Dianne R. Nielson, Ph.D.
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

April 2, 1993

Chris Denver
P.O. Box 85
Roosevelt, Utah 84066

Dear Mr. Denver:

Re: Application to Deepen and Perforate Additional Interval in the Helen Larsen 2-5A1 Well, Section 5, Township 1 South, Range 1 West, Duchesne County, Utah

The Division of Oil, Gas and Mining ("Division") has received your application as referenced above. The Division finds that the information as submitted is deficient. This letter outlines further information required by the Division before any further action can be taken on the application.

As you know, a similar request was made by you for the addition of a deeper injection interval in November of 1991. That request resulted in a hearing before the Board of Oil, Gas and Mining ("Board") in June 1992. The Board in that case denied the objections of the protestants and also denied without prejudice your request for the additional interval. Therefore, when you have provided the Division with adequate information such that all applicable statutory and administrative requirements have been met, this matter will be presented to the Board for their approval.

Please provide the following information to allow for continuing the review of your request.

1. For the application to deepen provide:

   - Specifications for pressure control equipment and a schematic diagram showing sizes, pressure ratings, or API series, proposed testing procedures and testing frequency.

- A completed Form 3, Application to Drill, Deepen, or Plug back, and completely describe the drilling equipment and casing program.

- The type and characteristics of the circulating medium to be used in drilling, the quantities and types of mud and weighting material to be maintained, and monitoring equipment to be used on the mud system.

- Type and amount of testing and/or logging to be performed after perforating deeper interval.

- Expected bottomhole pressure and any anticipated abnormal pressures or temperatures or potential hazards such as hydrogen sulfide along with contingency plans for handling these hazards.

2. For approval of fluid injection into the deeper interval provide:

- A professional evaluation of the effect that water injection into the proposed interval might have on the area which has been spaced for drilling and production of oil, gas and associated hydrocarbons. Will the injection adversely affect future possible development and production of hydrocarbons?

- Geologic information on the proposed injection interval and the confining layers (above and below) including; cross sections north-south and east-west through the subject injection well to nearest offset wells showing lithology, thickness, depth, lateral extent, and porosity.

We are returning the submitted application. Please supplement the application with the requested information and resubmit for review by the Division. Please note that the application must be completed at a professional competency level which

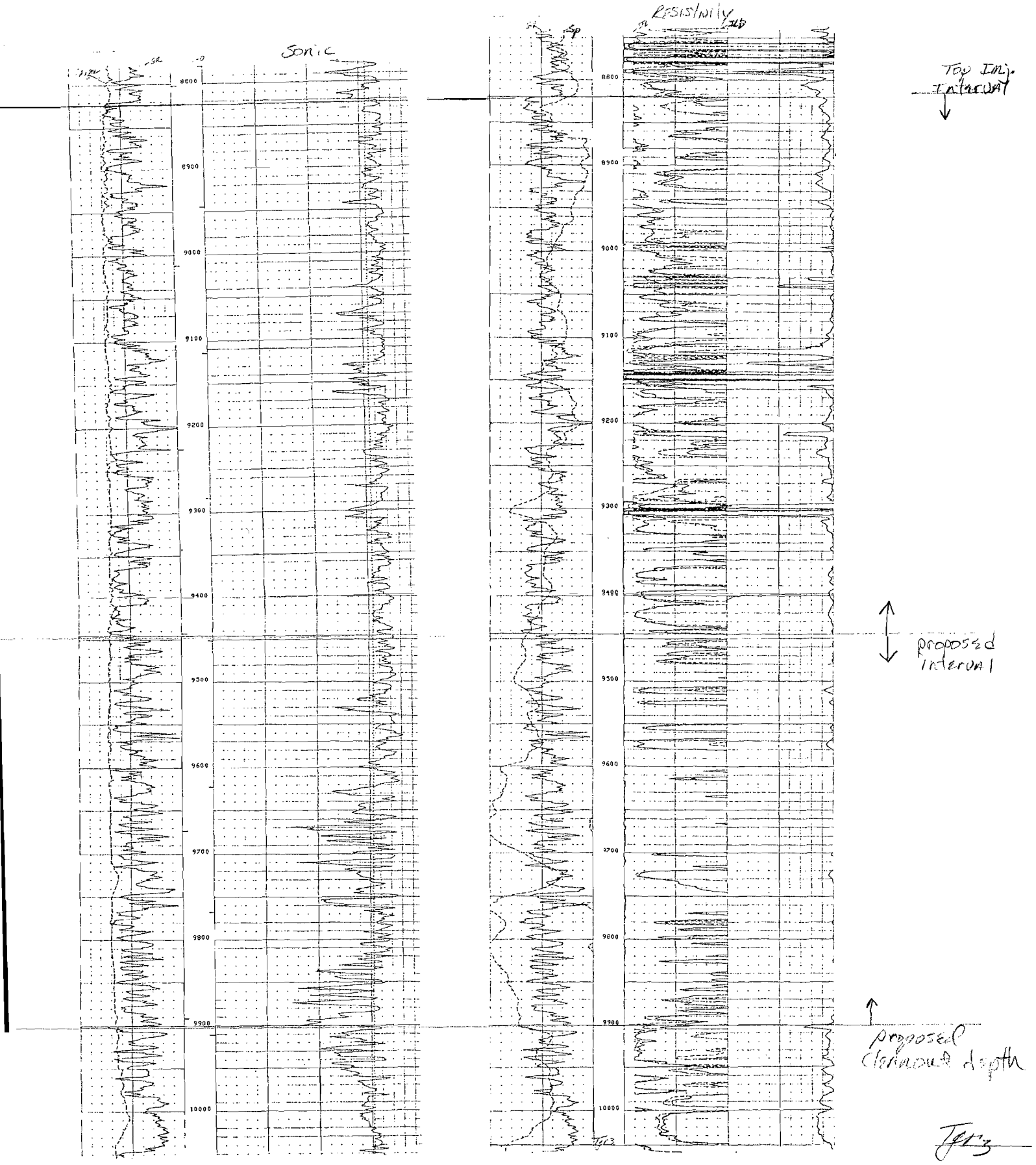
allows for determination as to whether laws, requirements and standards have been adequately addressed. If you have further questions, please contact this office.

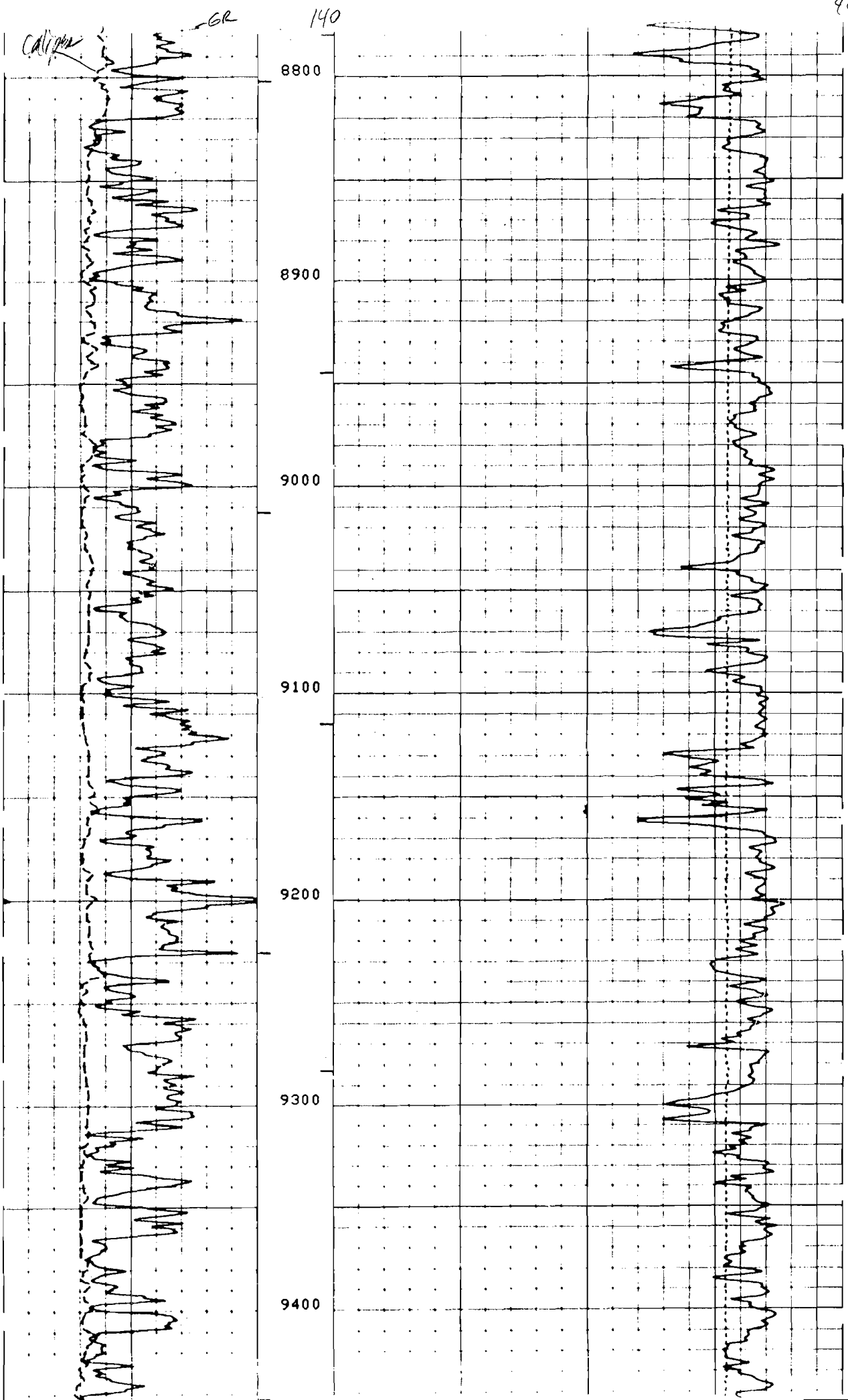
Sincerely,

Gil Hunt
UIC Program Manager

ldc
Enclosure
cc: EPA, Denver
R.J. Firth
T. Mitchell
WUI95

Helen Larsen #2-5A1 SWD
(Chris Denoek)

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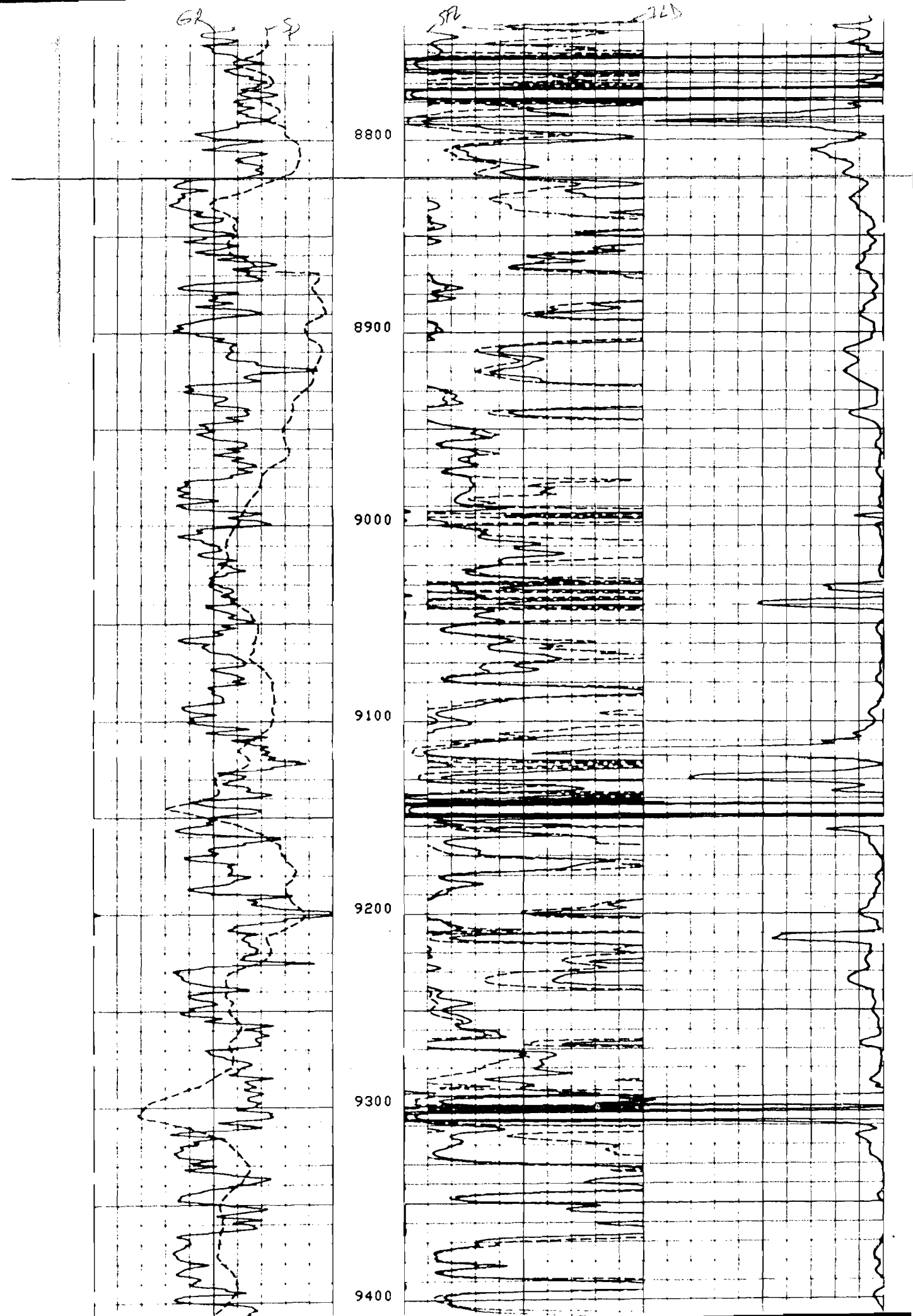
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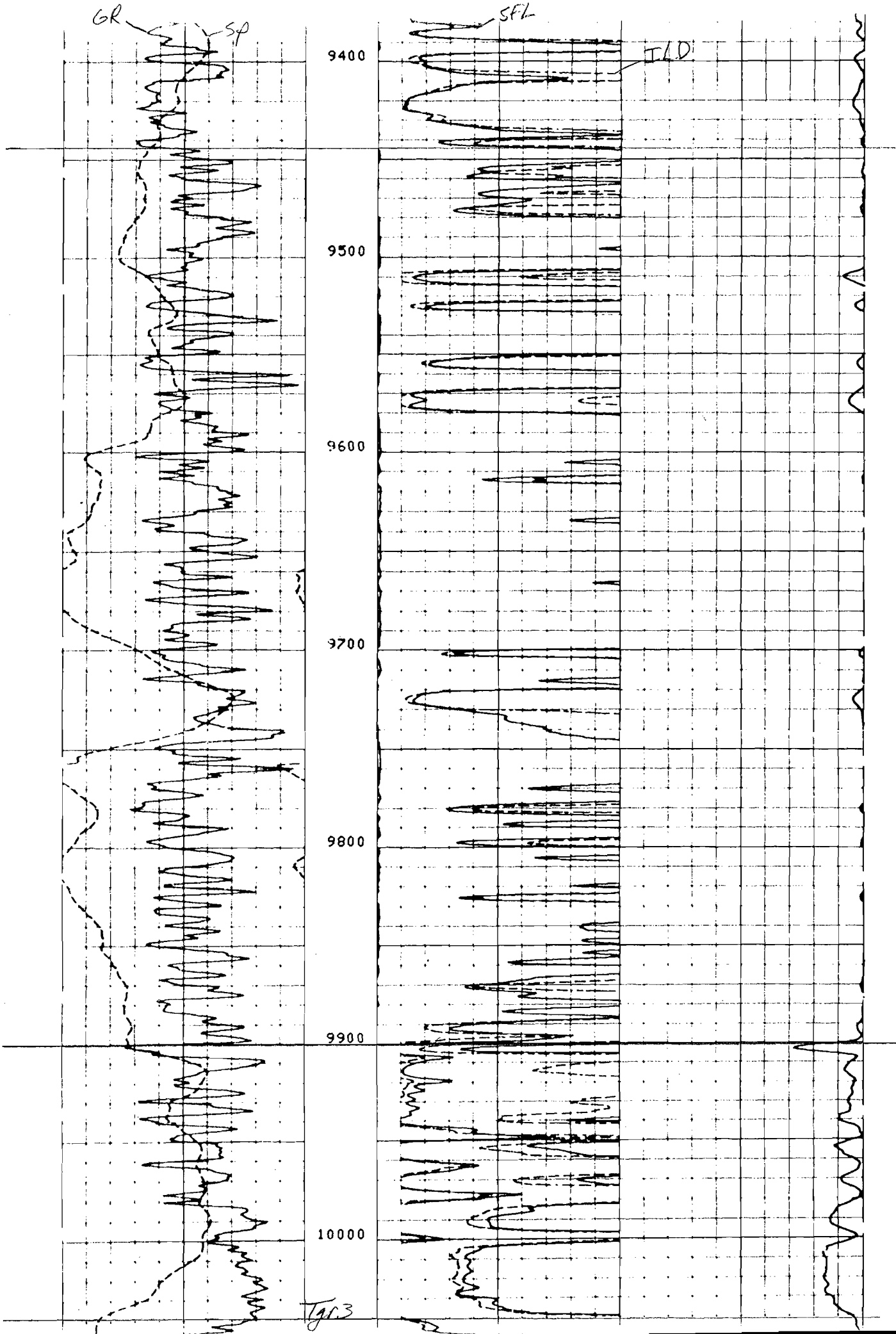
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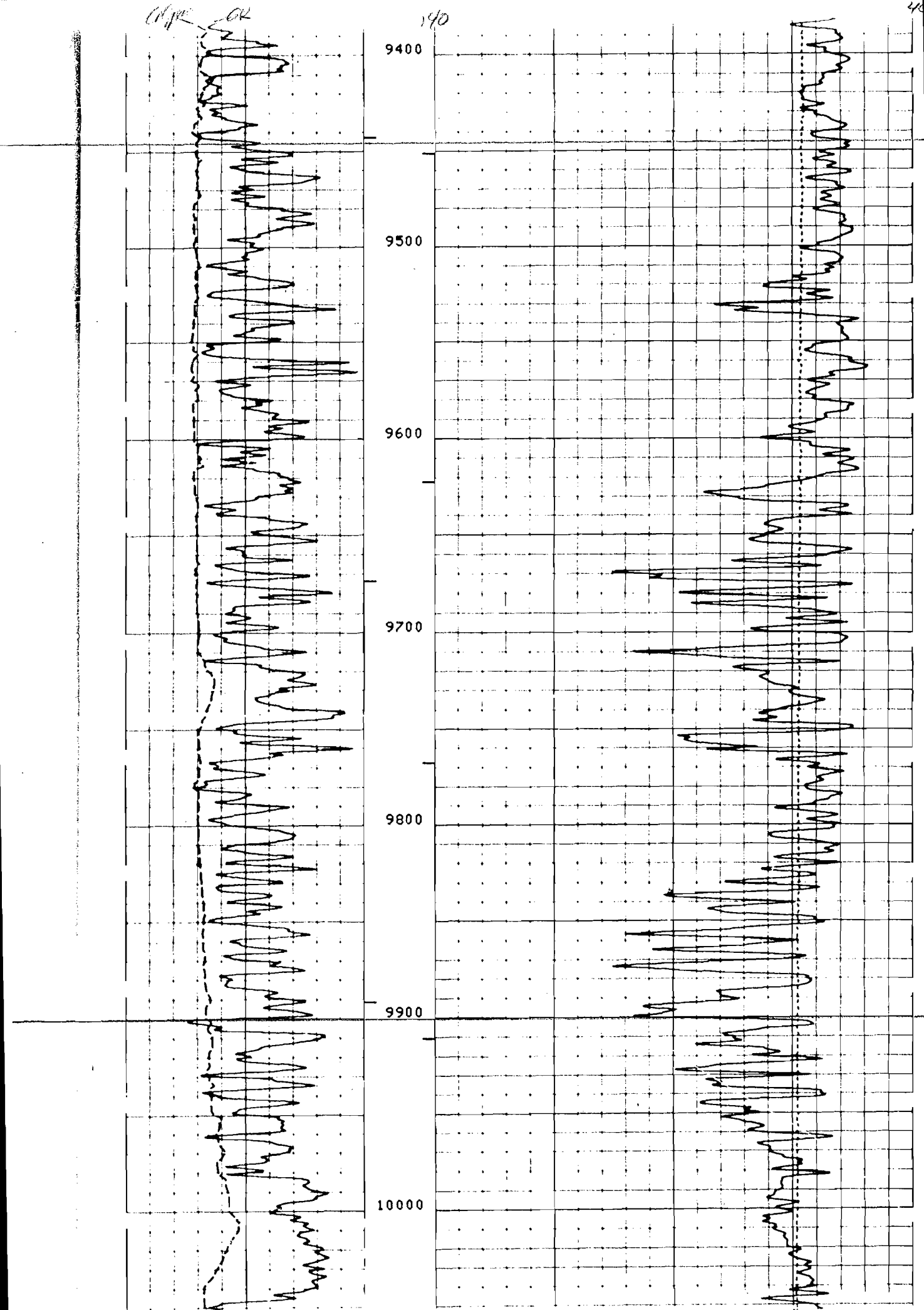
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State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

June 9, 1993

Chris Denver
P.O. Box 85
Roosevelt, Utah 84066

Dear Mr. Denver:

Re: Second Application to Deepen and Perforate Additional Interval in the Helen Larsen 2-5A1 Well, Section 5, Township 1 South, Range 1 West, Duchesne County, Utah

Pursuant to your second application requesting agency action dated May 4, 1993, and the Board of Oil, Gas and Mining ("Board") Order dated September 23, 1992, which denied without prejudice your previous application, the above referenced matter will be scheduled for hearing before the Board at its July 1993 meeting.

At the Board hearing, you will be expected to provide technical evidence to support your request for the additional injection interval. Evidence in the form of exhibits must be prepared by a qualified professional and timely filed prior to the hearing. Any technical testimony presented at the Board hearing must be by a qualified expert witness.

If you have any questions concerning this matter, please contact this office.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

lsj
cc: Janice Brown, Secretary of the Board
Gil Hunt, UIC Program Manager
Thomas Mitchell, Assistant Attorney General
William Richards, Assistant Attorney General
RJF93018.LTR

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

June 9, 1993

Chris Denver
P.O. Box 85
Roosevelt, Utah 84066

Dear Mr. Denver:

Re: Second Application to Deepen and Perforate Additional Interval in the Helen Larsen 2-5A1 Well, Section 5, Township 1 South, Range 1 West, Duchesne County, Utah

Pursuant to your second application requesting agency action dated May 4, 1993, and the Board of Oil, Gas and Mining ("Board") Order dated September 23, 1992, which denied without prejudice your previous application, the above referenced matter will be scheduled for hearing before the Board at its July 1993 meeting.

At the Board hearing, you will be expected to provide technical evidence to support your request for the additional injection interval. Evidence in the form of exhibits must be prepared by a qualified professional and timely filed prior to the hearing. Any technical testimony presented at the Board hearing must be by a qualified expert witness.

If you have any questions concerning this matter, please contact this office.

Sincerely,

R. J. Firth
Associate Director, Oil & Gas

lsj
cc: Janice Brown, Secretary of the Board
Gil Hunt, UIC Program Manager
Thomas Mitchell, Assistant Attorney General
William Richards, Assistant Attorney General
RJF93018.LTR

WATER DISPOSAL, INC.
P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532

RECEIVED
JUN 1 0 1993
DIVISION OF
OIL GAS & MINING

June 15, 1993

Division of Oil, Gas & Mining
Attention: R. J. Firth
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: July 1993 hearing

Dear Mr. Firth:

Reference is made to a letter I received from you on June 9, 1993. You indicated that I was scheduled for a hearing before the Board at its July 1993 meeting. I have checked my schedule for the 28th of July and I will be out of town all that week.

I am requesting that the hearing concerning this matter be moved to the August 1993 hearing date or August 25, 1993. Please let me know if that is feasible as soon as possible. Thank you for your help Ron!

Sincerely,

Chris Denver

Chris Denver

GILFYF

AFFIDAVIT OF PUBLICATION

County of Duchesne,

STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 1 consecutive issues, and that the first publication was on the 7 day of Sept, 1993, and that the last publication of such notice was in the issue of such newspaper dated the 7 day of Sept, 1993.

Subscribed and sworn to before me this 9 day of Sept, 1993

Jean Ercanbrack

Notary Public

JEAN ERCANBRACK
NOTARY PUBLIC · STATE of UTAH
130 NORTH SKYLINE (55-5)
ROOSEVLT, UT 84066
COMM. EXP. 6-2-96

NOTICE OF HEARING

DOCKET NO. 93-021
CAUSE NO. UIC-121-1A

IN THE MATTER OF THE SECOND APPLICATION OF CHRIS DENVER FOR ADMINISTRATIVE APPROVAL TO DEEPEN AND PERFORATE ADDITIONAL INTERVALS IN THE HELEN LARSEN 2-5A1 WATER DISPOSAL WELL LOCATED IN SECTION 5, TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M., DUCHESNE COUNTY, UTAH

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER:

Notice is hereby given that the Board of Oil, Gas and Mining, State of Utah, will conduct a hearing on Wednesday, September 22, 1993, at 10:00 a.m., or as soon thereafter as possible, in the Boardroom of the Division of Oil, Gas and Mining, 355 West North Temple, 3 Triad Center, Suite 520, Salt Lake City, Utah, to consider the above captioned application dated May 4, 1993.

The purpose of the proceeding will be for the Board to receive evidence and testimony and to consider: 1. The Applicant's request for approval to clean out and perforate additional intervals for injection in the Helen Larsen 2-5A1 well at depths to 9,000 feet in the Green River formation.

Natural persons may appear and represent themselves before the Board. All other representation by parties before the Board will be by attorneys licensed to practice law in the State of Utah or attorneys licensed to practice law in another jurisdiction who meet the rules of the Utah State Bar for practicing law before the Utah Courts. Attorney representation may be waived by the Board upon petition and good cause shown.

Persons interested in this matter may participate pursuant to the Procedural Rules of the Board. The application and subsequent pleadings may be inspected in the office of the undersigned.

Pursuant to the Americans with Disabilities Act, persons requiring auxiliary communicative aids and services to enable them to participate in this hearing should call Janice L. Brown at 538-5340, at least three working days prior to the hearing date.

Dated this 31st day of August, 1993.

STATE OF UTAH
BOARD OF OIL, GAS AND MINING Dave Lauriski, Chairman

Published in the Uintah Basin Standard September 7, 1993

COPY

Water Disposal, Inc.
P.O. Box 85
Roosevelt, Utah 84066

January 11, 1995

RECEIVED
JAN 13 1995

Mr. Dan Jarvis
State of Utah
Division of Oil, Gas and Mining

Dear Mr. Jarvis,

Water Disposal, Inc. (WDI) is seeking administrative approval to inject produced water into the interval from 9900' to 10,500' in the Helen Larsen 2-5A1 water disposal well.

As you know, the Helen Larsen 2-5A1 is approved and operating as a Class II injection well. The approved interval for injection is from 8500' to 9900' in the Green River formation. In order to handle an increasing volume of water, WDI would like to add perforations down to 10,500'. This interval in the Helen Larsen well has already been approved by the EPA for injection.

Since the Helen Larsen 2-5A1 is an approved Class II injection well and the necessary documentation to win that approval is on file with the State, WDI is hereby requesting administrative approval to clean out the wellbore to 10,600' and perforate the interval from 9900' to 10,500'. An Application for Injection Well (UIC Form 1) is attached along with a sundry notice to clean out the well to 10,600'.

I appreciate your consideration of this matter. If additional information is needed please contact me at 801 722-2922.

Sincerely,

Chris Denver

Chris Denver - President
WDI

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR INJECTION WELL – UIC FORM 1

JAN 13 1995

OPERATOR: Water Disposal, Inc.
ADDRESS: P.O. Box 85
Roosevelt, Utah 84066

Well name and number: Helen Larsen 2–5A1

Field or Unit Name: Bluebell

Well location: QQ SENW Section 5 Township 1S Range 1W County Duchesne

Is this application for expansion of an existing project? ..... Yes [X] No [ ]

Will the proposed well be used for:
Enhanced Recovery? .. Yes [ ] No [X]
Disposal? ..... Yes [X] No [ ]
Storage? ..... Yes [ ] No [X]

Is this appliction for a new well to be drilled? ..... Yes [ ] No [X]

If this application is for an existing well,
has a casing test been performed on the well? ..... Yes [X] No [ ]
Date if test: October 1991 (witnessed by EPA)
API number: 43–013–30920

Proposed injection interval: from 9900' to 10,500'

Proposed maximum injection: rate 5000 BPD pressure 2470 * psig
* 2470 is currently approved

Proposed injection zone contains [ ] oil, [ ] gas, [ ] and/or fresh water within ½ mile of well.

IMPORTANT: Additional information as required by R6 49–5–2 should accompany this form.

List of attachements:
1–Letter requesting administrative approval to inject into interval from 9900' to 10,500' in existing disposal well.
2–Sundry notice to clean out well to 10,600'.

I certify that this report is true and complete to the best of my knowledge.

Name: Chris Denver
Signature: Chris Denver
Title: President
Date: 1/12/95
Phone No. (801-722-2922

(State us only)
Application approved by _____ Title _____
Approval Date _____

Comments: This well is an approved class II injection well. The interval approved for injection is from 8500' to 9900'. WDI is seeking administrative approval to inject down to 10,500'. The interval to 10,500' is already approved by the EPA.

Form 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

JAN 13 1995

6. Lease Designation and Serial Number: Fee

7. Indian Allottee or Tribe Name

8. Unit or Communitization Agreement

1. Type of Well: ☐ Oil Well ☐ Gas Well ■ Other (specify) Clean out wellbore to 10,600'

9. Well Name and Number: Helen Larsen 2-5A1

2. Name of Operator: Water Disposal, Inc.

10. API Well Number: 43-013-30920

3. Address of Well: P.O. Box 85, Roosevelt, Utah 84066

4. Telephone Number: 353-4700

11. Field and Pool, or Wildcat: Bluebell

5. Location of Well
Footage :
QQ, Sec, T., R., M. : SE NW Sec 5, T1S, R1W USM
County : Duchesne
State : Utah

NOTICE OF INTENT
(Submit in Duplicate)

- [ ] Abandonment
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Multiple Completion
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Recompletion
- [ ] Shoot or Acidize
- [ ] Vent or Flare
- [ ] Water Shut-Off
- [X] Other Clean out well to 10,600'

Approximate Date Work Will Start: March 15, 1995

SUBSEQUENT REPORT
(Submit Original Form Only)

- [ ] Abandonment *
- [ ] Casing Repair
- [ ] Change of Plans
- [ ] Conversion to Injection
- [ ] Fracture Treat
- [ ] Other
- [ ] New Construction
- [ ] Pull or Alter Casing
- [ ] Shoot or Acidize
- [ ] Vent of Flare
- [ ] Water Shut-Off

Date of Work Completion

Report results of Multiple Completions and Recompletions to different reserv on WELL COMPLETION OR RECOMPLETION AND LOG form.

* Must be accompanied by a cement verification report.

13. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsu locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Water Disposal, Inc. proposes to clean out this well to 10,600'. The well is an approved Class II injection well currently permitted for injection from 8500' to 9900' in the Green River formation.

WDI is simultaneously seeking State approval to inject into the Green River formation from 9900' to 10,500'.

14. I hereby certify that the foregoing is true and correct.

Name & Signature: Chris Denver Chris Denver Title: President Date: 12-Jan-95

(State Use Only

(8/90) See Instructions on Reverse Side

RECEIVED
FEB - 1 1995
DIV. OF OIL, GAS & MINING

AFFADAVIT

I, Chris Denver do hereby state that I have contacted all landowners and royalty owners relating to the State regulations concerning the Helen Larsen 2-05A1 disposal well. I have contacted these individuals, corporation notifying them of the proposed zone from 9,900 feet to 10,500 feet for the production of disposing of disposal water.

Chris Denver

Chris Denver

State of Utah)
)
County of Duchesne

On this 31 day of January, 1995 personally appeared before me Chris Denver, the signer of the within instrument, who duly acknowledge to me that he executed the same.

Irene Collins

Notary Public

My Commission expires 7-17-96 residing in Roosevelt Ut.

BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES
STATE OF UTAH

---ooOoo---

IN THE MATTER OF THE APPLICATION OF CHRIS DENVER FOR ADMINISTRATIVE APPROVAL TO PERFORATE ADDITIONAL INTERVALS FOR INJECTION IN THE HELEN LARSEN 2-5A1 WELL LOCATED IN SECTION 5, TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M., DUCHESNE COUNTY, UTAH	:	NOTICE OF AGENCY ACTION CAUSE NO. UIC-121-2

---ooOoo---

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Chris Denver for administrative approval to perforate additional intervals for injection in the Helen Larsen 2-5A1 Well located in Section 5, Township 1 South, Range 1 West, U.S.M., Duchesne County, Utah. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The applicant purposes to perforate additional intervals in the Helen Larsen 2-5A1 well at depths of 9900 feet to 10,500 feet.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice of intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 10th day of February, 1995.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

R.J. Firth
Associate Director, Oil and Gas

Chris Denver
Helen Larsen 2-5A1 Well
Cause No. UIC-121-2

Publication Notices were sent to the following:

Newspaper Agency Corporation
Legal Advertising
Tribune Building, Front Counter
143 South Main
Salt Lake City, Utah 84111

Uintah Basin Standard
268 South 200 East
Roosevelt, Utah 84066

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

Chris Denver
P. O. Box 85
Roosevelt, Utah 84066

U.S. Environmental Protection Agency
Region VIII
Attn: Tom Pike
999 18th Street
Denver, Colorado 80202-2466

L. Cordova

Lisha Cordova
Administrative Analyst
February 10, 1995

** TRANSMIT CONFIRMATION REPORT **

Journal No.	:	001
Receiver	:	AH BASIN STANDAR
Transmitter	:	DIV OIL GAS & MINING
Date	:	Feb 10,95 9:43
Document	:	02 pages
Time	:	01'53"
Mode	:	G3 NORMAL
Result	:	OK

FROM: Lisha Cordova

DEPARTMENT: Oil & Gas

NUMBER OF PAGES BEING SENT (INCLUDING THIS ONE): 2

If you do not receive all of the pages, or if they are illegible, please call (801) 538-5340.

We are sending from a Murata facsimile machine. Our telecopier number is (801) 359-3940.

MESSAGES:

Thank you for publishing as soon as possible.

Important: This message is intended for the use of the individual or entity to which it is addressed and may contain information that is privileged, confidential and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return this original message to us at the above addressed via regular postal service. Thank you.

APPLICATION FOR
PRODUCED WATER DISPOSAL
HELEN LARSON 2-05A1
SECTION 5, T1S,R1W
DUCHESNE COUNTY, UTAH

ABSTRACTS, RECORDS, AND DOCUMENTS EXAMINED:

Lands involved: TRACT NO. 1 Section 5: N1/2NE1/4SE1/4 (Containing 20.00 Acres)

Lessor's (Royalty) Interest:

Carl R. Mitchell	.50 Acres
John Clyde Hacking and Cora B. Hacking, as joint tenants	.40 Acres
D. Blayne Morrill	.10 Acres

Lands involved: TRACT NO. 2 Section 5: Beginning at the SE corner of the NE1/4, thence North 76 rods; thence West 32 rods; thence South 76 rods; thence East 32 rods to point of beginning. (Containing 15.2 acres)

Lessor's (Royalty) Interest:

Leland M. Hayes & Melle Hayes	12.5 Acres
Faye Audrey Kimball Mitchell	1.38815 Acres
Alta Mae Kimball, Buddy Dean Kimball & Earl LaRance Kimball	36.11185 Acres
Lyle J. Larsen and Geneva Larsen, as joint tenants	25. Acres
John Clyde Hacking and Cora B. Hacking, as joint tenants	15. Acres
D. Blayne Morrill	10. Acres

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Lands involved: TRACT NO. 3 Section 5: SW1/4SE1/4
(Containing 40.00 acres)

Lessor's (Royalty) Interest:

Orlando Pace and/or Vera Pace	9.375 Acres
Farris Henrie and/or Irene Henrie	6.25 Acres
George E. Stewart	4.5375 Acres
Reese Vance and/or Iola L. Vance	.625 Acres
Ernest L. Snider and Mildred G. Snider	.3125 Acres
Elsie H. Snider	.3125 Acres
Dixie Anne M. Whitaker	.3125 Acres
Chas. H. Layton and/or Josephine G. Layton	1.25 Acres
E.L. Schenck	1.25 Acres
Hyde Mortensen Beth L. Mortensen	.3125 Acres
Hyde Mortensen	.3125 Acres
Florence G. Rockwood	1.5625 Acres
Ray Sprouse	9.8375 Acres
Fred J. Thomas and/or Lula C. Thomas	1.875 Acres
Steven J. Terry and/or Julia A. Terry	1.25 Acres
Gladys W. Christmas	1.25 Acres
Marrell F. Wilkins	9.375 Acres
Claud B. Hamill	13.750 Acres
Shell Oil Company	12.500 Acres
First Interstate Bank of Utah, Trustee of Thomas E. Jeremy Family Trust	.625 Acres
Covey Minerals Inc.	1.250 Acres
Croff Oil company	4.375 Acres

United Petroleum and Mining Corp.	6.250 Acres
J. S. Abercrombie	11.250 Acres

Lands Involved: TRACT 4: Section 5: N½SE¼SE¼ (Containing 20.00 Acres)

Lessor's (Royalty) Interest:

Rouel J. Henrie and Beverly B. Henrie	1.00 Acres
Francis Henrie and Irene Henrie	1.00 Acres

Lands Involved: TRACT 5: Section 5: S½NE¼SE¼ (Containing 20.00 Acres)

Lessor's (Royalty) Interest:

Farris Henrie and Irene Henrie	1.00 Acres

Lands Involved: TRACT 6: Section 5: S½SE¼SE¼ (Containing 20.00 Acres)

Lessor's (Royalty) Interest:

Robert O. Swain and Donna Swain	.50 Acres
Virginia B. Anderson; Owen Dale Anderson and Joyce Murdock.	.50 Acres

TRACT 7

Lands Involved:

Section 5: Beginning at the NW corner of the SE¼NE¼, thence S 80 rods, thence E 48 rods, thence N 76 rods, thence E 32 rods, then N 4 rods, thence W 80 rods to POB (Containing 24.8 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
Kenneth Oberhansley (apparently unleased)	$\frac{1}{8}$	x	$\frac{1}{3}$	x	$\frac{24.80}{661.44}$	=	0.0015622
Connie Bybee (See Comment 13)	$\frac{1}{5}$	x	$\frac{1}{3}$	x	$\frac{24.80}{661.44}$	=	0.0024996
William Kenneth Oberhansly, Sharie Michelle Oberhansly, and Jacqueline Monique Oberhansly, as tenants in common (See Comment 13)	$\frac{32}{100}$	x	$\frac{1}{3}$	x	$\frac{24.80}{661.44}$	=	0.0039993
Lessor's (Royalty) Interest Subtotal in Tract 7:							0.0080611

TRACT 8(A)

Lands Involved:

Section 5: SW¼ (EXCEPTING therefrom the following: Beginning at the NW corner of the SW¼ of said Section, thence S 20 rods, thence E 40 rods, thence N 20 rods, thence W 40 rods, to POB.) (Containing 155.00 acres)

Lessor's (Royalty) Interest:								Net Revenue Interest
John M. Yack (John M. Yack has life estate in the S½SW¼, and the remaindermen are: Frank Tony Yack, William Matt Yack, Lawrence Peter Yack, Edward James Yack, and Donald Martin Yack)	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=		0.0036615
Cathryn E. Yack, Gregory Lee Yack, and Kathy Marie Yack	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=		0.0036615
Joseph Yack (apparently deceased)	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=		0.0036615
William M. Yack and Augusta D. Yack, as trustees of the Augusta D. Yack Revocable Trust and the William M. Yack Revocable Trust, and William M. Yack, individually	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=		0.0036615
Lawrence P. Yack and Jennis Yack	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=		0.0036615
Thora Yack Trust and Frank Tony Yack Trust	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=		0.0036615
Edward J. Yack	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=		0.0036615
Donald M. Yack and Bernice Yack, as joint tenants	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{155.00}{661.44}$	=		0.0036615
Lessor's (Royalty) Interest Subtotal in Tract 8(A):								0.0292920

TRACT 8(B)

Lands Involved:

Section 5: Beginning at the NW corner of the SW¼ of Section 5, thence S 20 rods; thence E 40 rods; thence N 20 rods; thence W 40 rods to POB. (Containing 5.00 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
John M. Yack (See Comment 14)	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
Cathryn E. Yack, Gregory Lee Yack, and Kathy Marie Yack (See Comment 15)	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
Alreta Yack Larsen and Theodora A. Schuman, as Trustees (See Comment 16)	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
William M. Yack	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
Lawrence P. Yack and Jennis Yack (See Comment 14)	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
Frank Yack (See Comment 14)	$\frac{1}{5}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001889
Edward J. Yack (apparently unleased)	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001181
Donald M. Yack and Bernice Yack, as joint tenants (apparently unleased)	$\frac{1}{8}$	x	$\frac{1}{8}$	x	$\frac{5.00}{661.44}$	=	0.0001181
Lessor's (Royalty) Interest Subtotal in Tract 8(B)							0.0013696

TRACT 9

Lands Involved:

Section 5: Beginning 475.5 feet N of the SW corner of the NW¼ of Section 5; thence E 286 feet; thence S 223 feet; thence E 66 feet; thence S 247 feet; thence E 968 feet; thence N 76 rods; thence W 60 rods; thence S 8 rods; thence W 20 rods; thence S to point of beginning.

Also, beginning at a point N 395.5 feet from the SW corner of the NW¼ of Section 5, thence N 80 feet; thence E 286 feet; thence S 223 feet; thence S 89°00' W 137.5 feet; thence N 145.4 feet and W 148.5 feet to POB

(Containing 34.5 acres)

Lessor's (Royalty) Interest:					Net Revenue Interest
Richard Ford Larsen and Janette Larsen, as joint tenants	$\frac{1}{8}$	x $\frac{14.22474}{100}$	x $\frac{34.50}{661.44}$	=	0.0009274
Otto Dean Frandsen and Velma Dean Frandsen, as tenants in common	$\frac{1}{8}$	x $\frac{43.29001}{100}$	x $\frac{34.50}{661.44}$	=	0.0028224
Richard James Peterson and Kate D. Peterson, as tenants in common	$\frac{1}{8}$	x $\frac{42.48525}{100}$	x $\frac{34.50}{661.44}$	=	0.0027699
Lessor's (Royalty) Interest Subtotal in Tract 9:					0.0065197

TRACT 10

Lands Involved:

Section 5: Beginning at the SW corner of the NW¼ of Section 5, and running thence E 352 feet, thence N 247 feet, thence W 352 feet, thence S 247 feet, to POB. (Containing 1.99596 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
William M. Yack and/or Augusta D. Yack, as joint tenants	$\frac{1}{5}$	x	$\frac{1}{1}$	x	$\frac{1.99596}{661.44}$	=	0.0006035
Lessor's (Royalty) Interest Subtotal in Tract 10:							0.0006035

Lessee's (Working) Interest:

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Walker Energy	$\frac{4}{5}$	x	$\frac{85.77526}{100}$	x	$\frac{0.50625}{661.44}$	=	0.0005252
Linmar Energy Corporation	63.21062% of	$\frac{80}{100}$	x	$\frac{14.22474}{100}$	x	$\frac{0.50625}{661.44}$	= 0.0000551
Moncor Energy Corporation	36.78938% of	$\frac{80}{100}$	x	$\frac{14.22474}{100}$	x	$\frac{0.50625}{661.44}$	= 0.0000320

Lessee's (Working) Interest Subtotal in Tract 11: 0.0006123

TOTAL REVENUE INTEREST IN TRACT 11: 0.0007654

TRACT 12

Lands Involved:

Section 5: Beginning at a point which is 68 rods N of the SW corner of the SW¼NW¼ of Section 5, and running thence E 20 rods, thence N 8 rods, thence W 20 rods, thence S 8 rods to the place of beginning. (Containing 1.00 acre)

Lessor's (Royalty) Interest: Net Revenue Interest

Ray E. Jensen and/or Hattie Lou Jensen, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{1.00}{661.44}$	=	0.0002519

Lessor's (Royalty) Interest Subtotal in Tract 12: 0.0002519

TRACT 13

Lands Involved:

Section 5: Beginning at the NE corner of Lot 2, thence W 310 feet, thence S 281 feet, thence E 310 feet thence N 281 feet to POB. (Containing 2.00 acres)

Lessor's (Royalty) Interest: Net Revenue Interest

LaRae Rhoades	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{2.00}{661.44}$	=	0.0005039

Lessor's (Royalty) Interest Subtotal in Tract 13: 0.0005039

Lands Involved:

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Section 5: NW¼SE¼, SW¼NE¼, and beginning at the NE Corner of Lot 2, thence W 44.5 rods, thence S 90 rods, thence E 44.5 rods, thence N 90 rods to beginning, excepting therefrom a parcel of land beginning at the NE corner of Lot 2, thence W 310 feet, thence S 281 feet, thence E 310 feet, thence S 281 feet to beginning. (Containing 103.03 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
Clarence Oberhansly	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Kenneth Oberhansly (apparently unleased)	$\frac{1}{8}$	x	$\frac{1}{27}$	x	$\frac{103.03}{661.44}$	=	0.0007211
Sharie Michelle Oberhansly, Jacqueline Monique Oberhansly, and William Kenneth Oberhansly (apparently minors)	$\frac{1}{6}$	x	$\frac{1}{27}$	x	$\frac{103.03}{661.44}$	=	0.0009615
Connie Bybee	$\frac{1}{6}$	x	$\frac{1}{27}$	x	$\frac{103.03}{661.44}$	=	0.0009615
Bernard Oberhansly and Phyliss Oberhansly for life, then to Robert D. Oberhansly and Lorraine O. Poulson, remaindermen	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Bliss Eldredge	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Hope McDaniel	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Emerson Oberhansly	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
LaRae Rhoades	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Elma Schultz	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845
Marilyn Snyder	$\frac{1}{6}$	x	$\frac{1}{9}$	x	$\frac{103.03}{661.44}$	=	0.0028845

TRACT 15

Lands Involved:

Section 5: Beginning at the NE corner of Lot 4, thence S 180.5 feet, thence W 147.5 feet, thence N 180.5 feet, thence E 147.5 feet to the point of beginning. (Containing 0.6112 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
General Dairies, Inc.	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{0.6112}{661.44}$	=	0.0001540
Lessor's (Royalty) Interest Subtotal in Tract 15:							0.0001540

TRACT 16

Lands Involved:

Section 5: Beginning 303 feet W of the NE corner of Lot 4, thence W 195.5 feet, thence S 544 feet, thenc E 498.5 feet, thence N 364 feet, thence W 147.5 feet, thence N 7.5 fe thence W 136 feet, thence NW'ly to a point of beginning; and also beginni 147.5 feet W of the NE corner of Lot 4, thence S 173 feet, thence W 136 feet, thence NW'ly to a point 303 feet W of the NE corner of Lot 4 thence E 155.5 feet to the POB. (Containing 5.61433 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
Wayne Bastian and/or Jean Bastian, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{5.61433}{661.44}$	=	0.0014147
Lessor's (Royalty) Interest Subtotal in Tract 16:							0.0014147

TRACT 17

Lands Involved:

Section 5: Beginning 241 feet E of the NW corner of Lot 4, and runni thence E 580.5 feet, thence S 402.8 feet, thence W 580.5 feet, thence N 402.8 feet, to the POB. (Containing 5.37 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
Wanda B. Riggle	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{5.37}{661.44}$	=	0.0013531
Lessor's (Royalty) Interest Subtotal in Tract 17:							0.0013531

TRACT 18

Lands Involved: Section 5: Beginning at the NW corner of Lot 4, and running thence E 241 feet, thence S 220 feet, then W 241 feet, thence N 220 feet to PO (Containing 1.22 acres)

Lessor's (Royalty) Interest:						Net Revenue Interes
Bernice Violet Nelson (See Comment 17)	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{1.22}{661.44}$	= 0.0003074
Lessor's (Royalty Interest Subtotal in Tract 18:						0.0003074

TRACT 19

Lands Involved: Section 5: Beginning 220 feet Sout from the NW corner of Lot 4, thence E 241 feet, thence S 187 feet, then W 241 feet, thence N 187 feet to PO (Containing 1.0346 acres)

Lessor's (Royalty) Interest:						Net Revenue Intere
Rose Malnar (apparently also known as Rose Malnar Butler)	$\frac{1}{5}$	x	$\frac{1}{1}$	x	$\frac{1.0346}{661.44}$	= 0.0003128
Lessor's (Royalty) Interest Subtotal in Tract 19:						0.0003128

TRACT 20

Lands Involved:

Section 5: Beginning 407 feet South of the NW corner of Lot 4, thence E 223 feet, thence South 87 feet, thenc W 223 feet, thence N 87 feet to POB. (Containing 0.45 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
Loyd M. Zager and/or Nadine W. Zager, as joint tenants	$\frac{1}{5}$	x	$\frac{1}{1}$	x $\frac{0.45}{661.44}$	=	0.0001360
Lessor's (Royalty) Interest Subtotal in Tract 20:						0.0001360

Lessor's (Royalty) Interest:						Net Revenue Interest
Zola Spencer and Orlo K. Spencer, as joint tenants, for life, then to Rawlin Dee Spencer and Barbara Keen Spencer, as joint tenants, remaindermen	$\frac{1}{6}$	x	$\frac{1}{1}$	x $\frac{4.1937}{661.44}$	=	0.0010567
Lessor's (Royalty) Interest Subtotal in Tract 21:						0.0010567

TRACT 21

Lands Involved:

Section 5: Beginning 442 feet East and 407 feet South of the NW corner of Section 5, thence E 379.5 feet, thence S 140 feet, thence E 495 feet, thence S 155 feet, thence W 754.5 fee thence N 50 feet, thence W 120 feet, thence N 245 feet to POB. (Containing 4.1937 acres)

TRACT 22

Lands Involved:

Section 5: Beginning 494 feet S of the NW corner of Lot 4, thence S 100 feet, thence E 446 feet, thence N 187 feet, thence W 223 feet, thence S 87 feet, thence W 223 feet to POB. (Containing 1.4693 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
Zola Spencer and Orlo K. Spencer, as joint tenants, for life, then to Sheldon J. Spencer and Sandra J. Spencer, as joint tenants, remaindermen	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{1.4693}{661.44}$	= 0.0003702
Lessor's (Royalty) Interest Subtotal in Tract 22:						0.0003702

TRACT 24

Lands Involved:

Section 5: Beginning at a point 659 feet S and 446 feet E of the NW corn of Section 5, thence E 128 feet, thence S 50 feet, thence E 753 feet, thence S 334 feet, thence W 881 feet thence N 384.5 feet to POB. (Containing 6.91 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
Alma Glenn Pratt and/or Barbara B. Pratt, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{6.91}{661.44}$	= 0.0017411
Lessor's (Royalty) Interest Subtotal in Tract 24:						0.0017411

TRACT 23

Lands Involved:

Section 5: Beginning 594 feet S of the NW corner of Lot 4, thence E 446 feet, thence S 187 feet, thence W 446 feet, thence N 187 feet, to POI Also, beginning 781 feet S of the NW corner of Lot 4, thence E 446 feet, thence S 187 feet, thence W 446 feet, thence N 187 feet to POB. (Containing 3.84 acres)

Lessor's (Royalty) Interest:							Net Revenue Interest
Zora M. Gardner	$\frac{1}{6}$	x	$\frac{1}{2}$	x	$\frac{3.84}{661.44}$	=	0.0004837
Everett Daniels and/or Prudy M. Daniels, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{2}$	x	$\frac{3.84}{661.44}$	=	0.0004837
Lessor's (Royalty) Interest Subtotal in Tract 23:							0.0009674

TRACT 25

Lands Involved:

Section 5: Beginning 1038 feet S and 446 feet E of the NW corner of Section 5, thence S 153 feet, thence E 300 feet, thence N 153 feet, thence W 300 feet to the point of beginning. (Containing 1.05 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
David K. DeWeese and Joanie J. DeWeese, as joint tenants (formerly interest of Lewis R. Mitchell and Ilene Mitchell)	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{1.05}{661.44}$	= 0.0002645
Lessor's (Royalty) Interest Subtotal in Tract 25:						0.0002645

TRACT 26

Lands Involved:

Section 5: Beginning at a point 82 feet N of the SE corner of the NW¼NW¼ of Section 5, and running thence W 874 feet, thence N 222 feet, thence E 300 feet, thence N 153 feet, thence E 574 feet, thence S 375 feet to POB.
(Containing 6.37 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
Bernice Violet Nelson, Kent P. Nelson, Diane N. Babcock, and Richard O. Nelson (See Comments 17, 18, & 19)	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{6.37}{661.44}$	= 0.0016050
Lessor's (Royalty) Interest Subtotal in Tract 26:						0.0016050

TRACT 27

Lands Involved:

Section 5: Beginning 968 feet S of the NW corner of the NW¼NW¼, thence E 446 feet, thence S 433 feet, thence W 446 feet, thence N 433 feet, excepting therefrom the following par Beginning 968 feet S of the NW corner of the NW¼NW¼, thence E 195 feet, the S 155 feet, thence W 195 feet, thence N 155 feet to beginning.
Also, beginning 86 rods N of the SE corner of the SW¼NW¼, thence W 1068 f thence S 10 rods, thence E 1068 ft, thence N 10 rods to beginning.
Also, beginning at a point 86 rods N and 1068 feet W of the SE corner of the SW¼NW¼ of Section 5, thence W 12(ft, thence S 165 ft, thence E 120 ft, thence N 165 feet to POB.
(Containing 8.14 acres)

Lessor's (Royalty) Interest:						Net Revenue Interest
William D. Mitchell and/or Marguerite Mitchell, as joint tenants (Lease is from Marguerite Mitchell only)	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{8.14}{661.44}$	= 0.0020510
Lessor's (Royalty) Interest Subtotal in Tract 27:						0.0020510

TRACT 29

Lands Involved:

Section 5: Beginning 968 feet S of the NW corner of the NW¼NW¼ of Section 5, thence E 195 feet, thence S 155 feet, thence W 195 feet thence N 155 feet to the POB. (Containing 0.69 acre)

Lessor's (Royalty) Interest:							Net Revenue Interes
Ralph L. Harris and Anna Mae Harris, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{0.69}{661.44}$	=	0.0001738
Lessor's (Royalty) Interest Subtotal in Tract 29:							0.0001738

TRACT 28

Lands Involved:

Section 5: Beginning 86 rods N of the SW corner of the NW¼ of Sec. 5, and running thence E 132 feet, thence S 165 feet, thence W 132 feet, thence N 165 feet to the point of beginning. (Containing 0.50 acre)

Lessor's (Royalty) Interest:							Net Revenue Interest
Richard M. Pierson and/or Genevie Pierson, as joint tenants	$\frac{1}{6}$	x	$\frac{1}{1}$	x	$\frac{0.50}{661.44}$	=	0.0001260
Lessor's (Royalty) Interest Subtotal in Tract 28:							0.0001260

TRACT 30

Lands Involved:

Section 5: Beginning at the NE corne of Lot 1, thence W 83 feet, thence S 33 feet, thence E 50 feet, thence S 100 feet, thence E 33 feet, thence N 133 feet to POB.

Beginning at a point 33 feet W and 33 feet S of the NE corner of Lot 1, and running thence W 50 feet, thence S 100 feet, thence E 50 feet, thence N 100 feet to POB.

Beginning at a point 83 feet W of the NE corner of Lot 1, and running thenc W 461.5 feet, thence S 12.5 rods, thence E 544.5 feet, thence N 73.25 feet, thence W 83 feet, thence N 133 feet to POB.
(Containing 2.58 acres)

Lessor's (Royalty) Interest:							Net Revenue Intere:
Jay Larsen, deceased (See Comment 20)	$\frac{20}{100}$	x	$\frac{1}{2}$	x	$\frac{2.58}{661.44}$	=	0.0003900
Helen Larsen (See Comment 20)	$\frac{20}{100}$	x	$\frac{1}{2}$	x	$\frac{2.58}{661.44}$	=	0.0003900
Lessor's (Royalty) Interest Subtotal in Tract 30:							0.0007800

TRACT 32

Lands Involved:

Section 5: Beginning at a point 574.5 feet W of the NE Corner of Lot 1, running thence S 12.5 rods, thence W 166.25 ft., thence N 12.5 rods, thence E 166.25 ft to POB. (Containing 0.78717 acre)

Lessor's (Royalty) Interest:		Net Revenue Interest
Lawrence E. Luck (Lease is from Dorothy Luck only)	$\frac{1}{6} \times \frac{1}{1} \times \frac{0.78717}{661.44}$	= 0.0001984
Lessor's (Royalty) Interest Subtotal in Tract 32:		0.0001984

TRACT 31

Lands Involved:

Section 5: Beginning at a point 33 rods W of the NE corner of Lot 1, thence S 12.5 rods, thence W 30 feet, thence N 12.5 rods, thence E 30 feet, to the point of beginning.

Beginning at a point 45.5 rods W of the NE corner of Lot 1, thence E 10 feet, thence S 12.5 rods, thence W 10 feet, thence N 12.5 rods to POB. (Containing 0.1894 acres)

Lessor's (Royalty) Interest:		Net Revenue Interes
Dorothy Peltier, apparently also known as Dorothy Luck	$\frac{1}{6} \times \frac{1}{1} \times \frac{0.1894}{661.44}$	= 0.0000477
Lessor's (Royalty) Interest Subtotal in Tract 31:		0.0000477

TRACT 34

Lands Involved: Section 5: Beginning at a point 206.25 feet S of the NE corner of Lot 1, thence W 660 ft, thence S 1287.66 ft, thence E 660 ft, thence N to the point of beginning. (Containing 19.51 acres)

Lessor's (Royalty) Interest:		Net Revenue Interest
Edwin J. Larsen	$\frac{1}{5} \times \frac{1}{2} \times \frac{19.51}{661.44}$ =	0.0029496
Eula Von Bostick	$\frac{1}{5} \times \frac{1}{2} \times \frac{19.51}{661.44}$ =	0.0029496
Lessor's (Royalty) Interest Subtotal in Tract 34:		0.0058992

TRACT 33

Lands Involved: Section 5: Beginning at the NW corner of Lot 1, running thence S 150 ft, thence E 170 ft, thence N 150 ft, thence W 170 ft to POB. (Containing 0.58 acre)

Lessor's (Royalty) Interest:		Net Revenue Interest
Garth L. Anderton and Sonja N. Anderton, as joint tenants	$\frac{1}{6} \times \frac{1}{1} \times \frac{0.58}{661.44}$ =	0.0001461
Lessor's (Royalty) Interest Subtotal in Tract 33:		0.0001461

TRACT 35

Lands Involved:

Section 5: SE¼NW¼, Lot 3, W 35.5 rods of Lot 2, and,

Beginning 150 feet S of the NW corner of Lot 1, thence E 170 ft, thence N 150 ft, thence E 399 ft, thence S 206 ft, thence E 91 ft, thence S 1287 ft, thence W 660 ft, thence N 1343 ft to point of beginning.
(Containing 127.31 acres)

Lessor's (Royalty) Interest: Net Revenue Interest

Lyle J. Larsen	$\frac{1}{5}$	x	$\frac{1}{4}$	x	$\frac{127.31}{661.44}$	=	0.0096236
Edwin J. Larsen	$\frac{1}{5}$	x	$\frac{1}{4}$	x	$\frac{127.31}{661.44}$	=	0.0096236
Jane L. Zimmerman	$\frac{1}{5}$	x	$\frac{1}{4}$	x	$\frac{127.31}{661.44}$	=	0.0096236
Richard B. Larsen	$\frac{1}{5}$	x	$\frac{1}{4}$	x	$\frac{127.31}{661.44}$	=	0.0096236
Lessor's (Royalty) Interest Subtotal in Tract 35:							0.0384944

LIST OF NAMES OF NOTIFICATION

Mr. Bill Yack
P.O. Box 265
Neola, Utah 84053
Certified Mail #P 440 150 103

Mr. Don Yack
P.O. Box 241
Neola, Utah 84053
Certified Mail #P 440 150 112

Mr. Ed Whicker
Linmar Petroleum
P.O. Box 1327
Roosevelt, Utah 84066
Certified Mail #P 440 150 113

Mr. Dick Pierson
P.O. Box 396
Neola, Utah 84503
Certified Mail #P 440 150 114

Mr. Lawrence Yack
393 East 5th North (102-3)
Roosevelt, Utah 84066
Certified Mail #P 440 150 115

Mr. Ray Jensen
P.O. Box 157
Neola, Utah 84503
Certified Mail #P 440 150 117

Flying J Oil & Gas Inc.
Attention: John Baza
333 West Center Street
P.O. Box 540180
North Salt Lake City, Utah 84054-0180
Certified Mail #P 440 150 104

Pennzoil Exploration & Production
Attention: Ralph Williams
P.O. Drawer 2967
Houston, Texas 77252
Certified Mail #P 440 150 105

Orven Moon
Neola, Utah 84503
Certified Mail #P 440 150 111

AFFIDAVIT OF PUBLICATION

County of Duchesne,

STATE OF UTAH

I, Craig L. Ashby on oath, say that I am the PUBLISHER of the Uintah Basin Standard, a weekly newspaper of general circulation, published at Roosevelt, State and County aforesaid, and that a certain notice, a true copy of which is hereto attached, was published in the full issue of such newspaper for 1 consecutive issues, and that the first publication was on the 14 day of Feb, 1995, and that the last publication of such notice was in the issue of such newspaper dated the 14 day of Feb, 1995.

Subscribed and sworn to before me this 15 day of Feb, 1995

Jean Ercanbrack

Notary Public

JEAN ERCANBRACK
NOTARY PUBLIC · STATE of UTAH
130 NORTH SKYLINE (55-5)
ROOSEVLT, UT 84066
COMM. EXP. 6-2-96

NOTICE OF AGENCY ACTION

Gil FYI

CAUSE NO. UIC-121-2

IN THE MATTER OF THE APPLICATION OF CHRIS DENVER FOR ADMINISTRATIVE APPROVAL TO PERFORATE ADDITIONAL INTERVALS FOR INJECTION IN THE HELEN LARSEN 2-5A1 WELL LOCATED IN SECTION 5, TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M., DUCHESNE COUNTY, UTAH

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division is commencing an informal adjudicative proceeding to consider the application of Chris Denver for administrative approval to perforate additional intervals for injection in the Helen Larsen 2-5A1 Well located in Section 5, Township 1 South, Range 1 West, U.S.M., Duchesne County, Utah. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The applicant purposes to perforate additional intervals in the Helen Larsen 2-5A1 well at depths of 9900 feet to 10,500 feet.

Any person desiring to object to the application or otherwise intervene in the proceeding, must file a written protest or notice in intervention with the Division within fifteen days of the date of publication of this notice. If such a protest or notice of intervention is received, a hearing will be scheduled before the Board of Oil, Gas and Mining. Protestants and/or intervenors should be prepared to demonstrate at the hearing how this matter affects their interests.

DATED this 10th day of February, 1995.

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

R.J. Firth, Associate Director, Oil and Gas

Published in the Uintah Basin Standard February 14, 1995

143 SOUTH MAIN ST.
P.O. BOX 45838
SALT LAKE CITY, UTAH 84145
FED. TAX I.D. # 87-0217663

Newspaper Agency Corporation
The Salt Lake Tribune DESERET NEWS

Gil FYI

CUSTOMER'S COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	
DIV OF OIL, GAS & MINING 355 WEST NORTH TEMPLE 3 TRIAD CENTER #350 SLC, UT 84180	D5385340L-07	02/16/95

RECEIVED
FEB 24 1995
DIV OF OIL, GAS & MINING

NOTICE OF AGENCY ACTION
CAUSE NO. UIC-121-2
BEFORE THE DIVISION OF OIL, GAS AND MINING
DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

IN THE MATTER OF THE APPLICATION OF CHRIS DENVER FOR ADMINISTRATIVE APPROVAL TO PERFORATE ADDITIONAL INTERVALS FOR INJECTION IN THE HELEN LARSEN 2-5A1 WELL LOCATED IN SECTION 5, TOWNSHIP 1 SOUTH, RANGE 1 WEST, U.S.M., DUCHESNE COUNTY, UTAH.

THE STATE OF UTAH TO ALL PERSONS INTERESTED IN THE ABOVE ENTITLED MATTER.

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DATED this 10th day of February, 1995.

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
/s/ R.J. Firth
Associate Director, Oil and Gas

2D820130

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
NE	INVOICE NUMBER
40	TL2D8201301
SCHEDULE	
RT 02/16/95 END 02/16/95	
CUST. REF. NO.	
CAPTION	
NOTICE OF AGENCY ACTIONCAUSE N	
SIZE	
42 LINES 1.00 COLUMN	

TIMES	RATE
1	3.28
MISC. CHARGES	AD CHARGES
.00	137.76
	TOTAL COST
	137.76

AFFIDAVIT OF PUBLICATION

AS NEWSPAPER AGENCY CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED ADVERTISEMENT OF NOTICE OF AGENCY ACTIONCAUSE N FOR DIV OF OIL, GAS & MINING WAS PUBLISHED BY THE NEWSPAPER AGENCY CORPORATION, AGENT FOR THE SALT LAKE TRIBUNE AND DESERET NEWS, DAILY NEWSPAPERS PRINTED IN THE ENGLISH LANGUAGE WITH GENERAL CIRCULATION IN UTAH, AND PUBLISHED IN SALT LAKE CITY, SALT LAKE COUNTY IN THE STATE OF UTAH.

PUBLISHED ON START 02/16/95 END 02/16/95

SIGNATURE [signature]

DATE 02/16/95

2871

THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
PLEASE PAY FROM BILLING STATEMENT.

Cause No. UIC-121-2

DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT
DECISION DOCUMENT

APPLICANT: Chris Denver WELL: Helen Larsen 2-5A1

LOCATION: Sec. 5, T1S, R1W API: 43-013-30920

Application for additional injection interval in this active disposal well, Cause No. UIC-121-2

OWNERSHIP ISSUES:

Well is located on fee land owned by Mr. Orven J. Moon. According to Mr. Denver he has a signed agreement with Mr. Moon. Mr. Denver supplied a signed affidavit that all land owners, and royalty owners as required by State regulations had been notified of his proposal. An attached list of those notified included operators of surrounding wells except Coastal (ANR) who had been in contact with Division personnel and were aware of the application and notice. The Division published notice of the application in the Salt Lake Tribune and the local Uintah Basin Standard.

WELL INTEGRITY:

Well was tested for mechanical integrity during the completion process. If the packer is released it will be necessary to retest the well for mechanical integrity prior to resuming injection.

GROUND WATER PROTECTION:

The proposed injection interval is protective of underground sources of drinking water (USDW). The additional injection interval is mostly below the previously approved zone which was determined to be protective of any fresh water aquifers during the original permitting process by the Division and the U.S. EPA. The original interval considered and permitted by the EPA was 8,500′ to 9,500′.

OIL/GAS & OTHER MINERAL RESOURCES PROTECTION:

According to Division records this well was originally drilled by Chevron reaching total depth on 3/7/81. The interval in the well from 13,716′ to 15,925′ was flow tested on 6/22/81 producing 52 bbls oil, 50 mcf gas and 0 bbls water during a 24 hour period. The well was not completed by Chevron.

Bow Valley Petroleum assumed responsibility for operating the well on 8/2/81. They plugged back and completed the interval from 10,418′ to 11,350′. This interval produced a total of 4226 bbls of oil, 5110 mcf gas and 48655 bbls of water.

Linmar Energy took over operation of the well and made application to whipstock and redrill the well on 4/17/84. The bottom of the deviated hole Linmar drilled was 1179.35′ south and 126.12′ east of the surface location. The well was completed in the interval from 13,735′ to 15,558′on 10/31/84. So in essence there has been two attempts in this section to test and/or produce the lower Green River Formation both have failed to yield economic production (beyond a short time period) and were abandoned.

A review of Division records show one well within a mile radius around the subject well which recently produced from the correlative interval proposed for injection.

BONDING:

No change required.

ACTIONS TAKEN AND FURTHER APPROVALS NEEDED:

The UIC staff recommend approval of the application pending no objection from lease holders in the area and no submittal of additional technical information by any objecting parties which brings into question the proposal. Mr. Baza of Flying J called and stated that they would not file an objection and would continue to use the well for disposal. Mr. Ernest of Coastal (ANR) called and voiced a concern about injecting into this zone but no written objection or information justifying a denial was supplied.

G. Hunt, D. Jarvis DATE 3-7-95
REVIEWER(s)

CHRONOLOGY
HELEN LARSEN 2-5A1 WELL

03-07-81	Chevron reached TD, well was flow tested (13,716'-15,925'), 52 BO, 50 mcf gas, 0 BW, but not completed.
08-02-81	Bow Valley Petroleum assumes operation of the well. Plug back and complete 10,418'-11,350'. Interval produced total of 4,226 BO and 5,110 mcf gas, and 48,655 BW.
04-17-84	Linmar Energy takes over as operator of well and makes application to whipstock and re-drill the well. Bottom of deviated hole was 1179.35' south and 126.12' east of surface location.
10-31-84	Well completed in interval 13,735'-15,558'. Total production 34,337' BO, 23,855 mcf gas, and 28,035 BW.
11-23-88	Well was plugged and abandoned.
02-25-91	Approval to re-enter well issued to Chris Denver/John Chasel.
08-29-90	Conditional approval for conversion to injection issued by the Division.
08-05-91	Operations to re-enter and convert well to injection 8-5-91 to 8-20-91.
11-06-91	Application made with the Division to add additional deeper injection interval.
06-24-92	Board hearing to consider additional injection interval. Application was denied without prejudice.
05-04-93	Application for additional injection interval received, set for hearing at July 1993 meeting subsequently continued until September 1993.
10-08-93	Board approved application to deepen and add additional injection interval, meeting held on 9-22-93. Approved to depth of 9,900 feet.
01-13-95	Received application to extend injection interval from 9,900' to 10,500'. 2-10-95 send notice for publication.

10376-16086

14414-15536

14260-15837

13427-15370

13506-15396

13858-14040

11058-15555

38-10464

10362-572

10400-10528

3903

13246-14548

11506-14308/10922-11038

13109-12790/13319-14186

12961-13713

10370-15853

WATER DISPOSAL, INC.
P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532

RECEIVED
MAR 21 1995
DIV OF OIL, GAS & MINING

March 20, 1995

Division of Oil, Gas & Mining
Attn: Ron Firth
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Helen-Larsen Disposal well

Dear Mr. Firth:

I made application to the Division of Oil, Gas and Mining concerning a new zone for disposal of production water with reference to the Helen-Larsen well. At this time due to some unforseen circumstances I would like to withdraw my application at this time. I am withdrawing the area from 9,901 feet to 10,500.

I will notify you in the future with a new application when it is feasible to consider the above area of disposal. If you have any questions please feel free to give me a call.

Sincerely,

Chris Denver

Chris Denver

cc: Gil Hunt
Office copy

WATER DISPOSAL, INC.
P.O. Box 85
Roosevelt, Utah 84066
(801) 722-3532

RECEIVED
MAR 21 1995
DIV OF OIL, GAS & MINING

March 20, 1995

Division of Oil, Gas & Mining
Attn: Ron Firth
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Re: Helen-Larsen Disposal well

Dear Mr. Firth:

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I will notify you in the future with a new application when it is feasible to consider the above area of disposal. If you have any questions please feel free to give me a call.

Sincerely,

Chris Denver

Chris Denver

cc: Gil Hunt
Office copy

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340
801-359-3940 (Fax)
801-538-5319 (TDD)

March 23, 1995

To: File

From: Dan Jarvis

Re: Helen Larsen 2-5A1

On January 13, 1995 the division received an application from Chris Denver to deepen the Helen Larsen to 10,500 feet. After review of the application a public notice was published to solicit comments. No formal comments were received in the 15 day notice period. Mr. Denver did notify us that Coastal Oil had expressed concerns about production potential in offset leases. Gil hunt contacted Marc Ernest of Coastal and although he said he had concerns he never filed an objection. Chris requested that his application be withdrawn on March 20, 1995.

INSPECTION FORM 5

STATE OF UTAH
DIVISION OF OIL GAS AND MINING

INJECTION WELL - INSPECTION RECORD

Well Name: HELEN LARSEN #2-5A1 API Number: 43-013-30920
Qtr/Qtr: SE/NW Section: 5 Township: 1S Range: 1W

Company Name: CHRIS DENVER/JOHN CHASEL

Lease: State____ Fee YES Federal____ Indian____

Inspector: DENNIS L. INGRAM Date: 3/2/99

Injection Type:

Disposal: YES Enhanced Recovery:____ Other:____

Injecting: YES Shut-In:____

Rate: 2318.0 (bpd) Totalizer: LOCKED (bbls)

Gauges: Tubing: YES

Casing: YES Casing Pressure: 380 (psig)

Tubing Pressure: 2080 (psig) Housekeeping: FAIR

Equipment Condition: GOOD

COMMENTS: TOTALIZER IS COVERED AND LOCKED, NEED KEY (DENVER HAS IT. FLOOR IN PUMP HAS HAS SOME OIL ON IT--THEY WILL CLEAN IT UP. CASING GAUGE WAS ZERO UNTIL I OPENED VALVE.

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

Well file

June 18, 2002

Chris Denver
Water Disposal Inc.
PO Box 85
Roosevelt, UT 84066

Re: Pressure Test for Mechanical Integrity, Helen Larsen 2-5A1 Well, Section 5, Township 1 South, Range 1 West, Duchesne County, Utah

Dear Chris:

The Underground Injection Control Program, which the Division of Oil, Gas and Mining (DOGM) administers in Utah, requires that all Class II injection wells demonstrate mechanical integrity. Rule R649-5-5.3 of the Oil and Gas Conservation General Rules requires that the casing-tubing annulus above the packer be pressure tested at a pressure equal to the maximum authorized injection pressure or 1,000 psi, whichever is lesser, provided that no test pressure is less than 300 psi. This test shall be performed at least every five-year period beginning October, 1982. Please make arrangements and ready the Helen Larsen 2-5A1 well for testing during the week of July 8, 2002 as outlined below:

1. Operator must furnish connections, and accurate pressure gauges, hot oil truck (or other means of pressuring annulus), along with personnel to assist in opening valves etc.

2. The casing-tubing annulus shall be filled prior to the test date to expedite testing, as each well will be required to hold pressure for a minimum of 15 minutes.

3. If mechanical difficulties or workover operations make it impossible for the wells to be tested on this date the tests may be rescheduled.

4. Company personnel should meet DOGM representatives at the field office or other location as negotiated.

5. All bradenhead valves with exception of the tubing on the injection wells must be shut-in 24 hours prior to testing.

Please contact Dennis Ingram at (435) 722-3417 to arrange a meeting time and place or negotiate a different date, if this one is unacceptable.

Sincerely,

Gil Hunt
Technical Services Manager

er
cc: Dennis Ingram

Mechanical Integrity Test
Casing or Annulus Pressure Test for Well UT2538-02701

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466
This form was printed on 12/17/1997.

EPA Witness: _____ Date 4 / 11 / 98

Test conducted by: Chris Denver

Others present: Alan Iorg

HELEN LARSON 2-05A1	2D AC as of / /
ALTAMONT-BLUEBELL	SENW 05 01S 01W
Water Disposal, Inc., Roosevelt, UT	Op ID WTR01
Last MIT: Passed 08/22/1991	Witnessed by EPA
Max Allowed Press 2470 psig	1996 Max Reported Press 2470 psig

Is this a regularly scheduled test? [X] Yes [ ] No
Initial test for permit? [ ] Yes [ ] No
Test after well rework? [ ] Yes [ ] No

Well injecting during test? [X] NO [ ] YES _____ BPD

Initial casing/tubing annulus pressure 0 psig
Does the annulus pressure build back up? [ ] Yes [X] No

TUBING PRESSURE			
Initial	1,200 psig	psig	psig
End of Test	1,200 psig	psig	psig

CASING/TUBING ANNULUS PRESSURE			
Time	Test #1	Test #2	Test #3
0 min	1,000 psig	psig	psig
5	1,000		
10	1,000		
15 min	1,000		
20	1,000		
25	1,000		
30 min	1,000		
Result (circle)	Pass Fail	Pass Fail	Pass Fail

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JUL 15 2002
DIVISION OF
OIL, GAS AND MINING

MECHANICAL INTEGRITY PRESSURE TEST FOR WELL UT2538-02701

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other):

Applied 1,000 pounds pressure on backside for this test.

Signature of Witness: _____

OFFICE USE ONLY-COMPLIANCE FOLLOWUP

Staff _____ Date _____

Do you agree with the reported test result? [ ] Yes [ ] No

If not, why _____

Possible violation identified? [ ] Yes [ ] No

If yes, what is it? _____

IF YES - Followup initiated? [ ] Yes _____

[ ] No, why not? _____

[ ] Data Entry [ ] Compliance Staff [ ] 2nd Data Entry [ ] Hard Copy Filing

NOTICE OF INSPECTION

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII, 999 18TH STREET - SUITE 500
DENVER, COLORADO 80202-2405

Date: 4/11/98

Hour: 8:00a

Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300f et seq.).

Firm Name: Water Disposal Inc.

Firm Address: Altamont-Bluebell Field
Helen Larson 2-25A1

REASON FOR INSPECTION:

For the purpose of inspecting records, files, papers, processes, controls and facilities, and obtaining samples to determine whether the person subject to an applicable underground injection control program has acted or is acting in compliance with the Safe Drinking Water Act and any applicable condition of permit or rule authorization.

SECTION 1445(b) of the SAFE DRINKING WATER ACT is quoted below:

Section 1445(b)(1): Except as provided in Paragraph (2), the Administrator, or representatives of the Administrator duly designated by him, upon presenting appropriate credentials, and a written notice to any supplier of water or other person subject to (a), or person subject (A) a national primary drinking water regulation prescribed under Section 1412(B) an applicable Underground Injection Control Program, or (C) any requirement to monitor an unregulated contaminant pursuant to subsection (a), or person in charge of any of the property of such supplier or other person referred to in clause (A), (B), or (C), is authorized to enter any establishment, ... facility, or other property of such supplier or other person in order to determine whether such supplier or other person has acted or is acting in compliance with this title, including for this purpose, inspection, at reasonable times, of records, files, papers, processes, controls, and facilities, or in order to test any feature of a public water system, including its raw water source. The Administrator or the Comptroller General (or any representative designated by either) shall have access for the purpose of audit and examination to any records, reports, or information of a grantee which are required to be maintained under subsection (a) or which are pertinent to any financial assistance under this title.

Carol Browden } Environmental Scientist
Barbara Conklin }

Inspector's Name & Title (Print)

Inspector's Signature

EPA R8 3560-1 (8-89)

Original - Regional Office Copy
Yellow Copy - Operator Copy

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
http://www.epa.gov/region08

Ref: 8ENF-T

NOV - 5 2003

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

A... the
Ut... of
Oil, Gas ... Mining
FOR R... ONLY

Chris Denver, President
Water Disposal Inc.
P.O. Box 85
Roosevelt, Utah 84066

Re: Underground Injection Control (UIC) Program Response to July 9, 2003, and September 8, 2003, Letters Regarding Notice of Non-Compliance issued August 7, 2003, for Excess Injection Pressure and Overdue Tests: Helen Larsen #2-05A1 Disposal Well, **EPA Permit No. UT20538-02701**, Altamont-Bluebell Field, Duchesne County, Utah.

Dear Mr. Denver:

EPA has received and reviewed your letter of September 8, 2003, that responds to our letter of August 7, 2003. We also have reviewed your letter of July 9, 2003. The purpose of this letter is to address your letter of September 8, 2003, and your subsequent letter of October 6, 2003, while taking into account your letter of July 9, 2003.

In your letter of July 9, 2003, you requested that EPA modify your Permit to establish a different maximum allowable injection pressure (MAIP), and you provided step rate test (SRT) results from a test run on 12/07/01. As discussed in our letter of August 7, 2003, a modification of the MAIP based on the submitted SRT data most likely would have resulted in a lower injection pressure. This conclusion is based on analysis of that data and the very low instantaneous shut-in pressure (ISIP) of 1880 psi obtained at the end of the test. It should be noted that the validity of the SRT results also is in question because it does not appear that the duration of each rate step was long enough for the pressure to stabilize. More importantly, the pressure data was not adjusted to account for friction losses (based on tubing size, tubing depth and injection rate) prior to plotting the injection pressure versus injection rate curve.

In your September 8, 2003, response to our letter, you indicated that you planned to carry out a work over to clean out the well in early to mid-September. You also proposed to reinstall

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NOV 10 2003
DIV. OF OIL, GAS & MINING

Printed on Recycled Paper

the tubing and packer following the work over and: 1) conduct a standard pressure test of the tubing, casing and packer (Part I MIT), 2) conduct the required radioactive tracer test to demonstrate no upward migration of injected fluid out of the injection interval via channels adjacent to the casing; and 3) conduct a step rate test to determine the fracture gradient of the injection zone. Your letter indicated that these tests would be conducted on September 26, 2003.

Your letter of October 6, 2003, provided the data from a step-rate test run on September 26, 2003, but no information was included about the work over that was to have occurred prior to testing you planned to complete on September 8, 2003. There was also no information regarding your failure to conduct the Part I (pressure test) MIT and the radioactive tracer test. This information, especially a description of the work over, should be submitted as soon as possible.

In your letter of October 6, 2003, you did indicate that you plan to run the Part I MIT and the radioactive tracer at a later date, but you did not explain why the two required tests were not completed. It is important to emphasize that successfully running these two tests is necessary to bring the Helen Larsen #2-05A1 well back into compliance with the requirements of the Permit. Normally, the items listed in your letter of September 8, 2003, would be done in the following sequence: 1) complete well work over/clean out; 2) replace tubing and packer, and conduct the standard pressure test of the tubing, casing and packer; 3) conduct a step rate test (if needed); and 4) conduct the radioactive tracer test (RATS). It is recommended that a 2nd Part I MIT be run after the final test to ensure that the packer was not unseated during the step-rate test. Although some discussion regarding why the MIT and RATS were not run would be useful documentation, the absence of these two tests continues to maintain the well in non-compliance with your Permit.

In your letter of October 6, 2003, you requested modification of the Permit to raise the maximum injection pressure to 3,600 psi. The SRT data of September 26, 2003, shows that the test was run until a surface pressure of about 3600 psi was reached and the ISIP was about 2,410 psi., and your data analysis indicates that the formation did not break. We noted that your pressure data analysis was not corrected to remove estimated friction losses during each step. It is possible, depending on the magnitude of the friction losses, that a formation break did occur but was masked by friction loss effects. In situations such as this where the SRT results are inconclusive, Region VIII policy is to utilize the ISIP to help establish the MAIP. In this case, the Region believes that the results from your most recent SRT are inconclusive and an analysis utilizing the ISIP does not support any MAIP increase above the present MAIP of 2470 psi.

In your letter of September 8, 2003, you requested that Region VIII consider modifying the Permit to require a RATS test only once every five years, to coincide with your Part I MIT pressure test requirement. You indicated that you did not understand why the RATS test is required every two years, and requested an explanation of the purpose of this requirement.

When EPA was permitting the Helen Larsen #2-05A1 Disposal Well, an analysis of the cement bond log indicated that there was not a sufficient footage of cement with 80% or more

bond present above the perforations. Thus, it was not possible to conclude that the cement was adequate to prevent flow adjacent to the casing out of the injection zone and the RATS test requirement was established to provide demonstrations that the injected fluid remains confined to the injection zone.

It should be stressed that if the total of six RATS had been run over the active Permit life to the present, there could have been sufficient test history available to use in determining if such a Permit modification was warranted. However, no RATS tests have been run over the last 12 years, in compliance with the requirement for assuring that there is no flow out of the injection zone. There is no historical data available to assess whether fluid flow is confined to the injection zone, and as a result we do not believe that modification of the Permit to change the frequency of the required RATS test is warranted.

Failure to comply with UIC regulations found at 40 CFR Parts 144 and 146 or a UIC permit are violations of the Safe Drinking Water Act, 42 U.S.C. §300h and are subject to enforcement by EPA. Enforcement may include imposing penalties of up to $5,500 per day of violation (if administrative) or $27,500 per day (if civil), in addition to imposing injunctive relief (e.g. mandating completion of mechanical integrity or radioactive tracer survey tests).

Within fifteen (15) days of receipt of this letter, please submit a letter describing what action you intend to take regarding the well, including the time frame in which you anticipate the remaining work to be completed. Your letter should provide the results and details of the well clean out in September and address: (1) mechanical integrity pressure testing; (2) radioactive tracer survey testing; (3) whether or not you plan to conduct another step rate test; and (4) how you plan to ensure in the future that there will be no exceedance of your permitted maximum injection pressure.

If you have any questions concerning this letter, you may contact Nathan Wiser at (303) 312-6211 or Paul S. Osborne (UIC Permits) at (303)-312-6125. Also, please direct all correspondence to the attention of Al Craver at Mail Code 8ENF-T.

Sincerely,

Sandra A. Stavnes
Director
Ground Water Program

Sincerely,

Elisabeth Evans
Director
Technical Enforcement Program

Enclosure (EPA Region VIII RATS Procedures)

cc: Maxine Natchees, Chairwoman
Uintah & Ouray Business Committee

Mr. D. Floyd Wopsock, Chairman
Uintah & Ouray Business Committee

Elaine Willie, Environmental Coordinator
Ute Indian Tribe

Mr. Gilbert Hunt
State of Utah Natural Resources
Division of Oil, Gas and Mining

Mr. Chester Mills
BIA - Uintah & Ouray Agency

Mr. Jerry Kenczka
BLM - Vernal District Office

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18TH STREET - SUITE 300
DENVER, CO 80202-2466
Phone 800-227-8917
http://www.epa.gov/region08

Ref: 8ENF-UFO

DEC 1 2 2003

CERTIFIED MAIL 7002-0860-0005-3834-8361
RETURN RECEIPT REQUESTED

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Chris Denver, President
Water Disposal Inc.
P.O. Box 85
Roosevelt, Utah 84066

Re: Underground Injection Control (UIC)
Response to November 17, 2003 Letter and
Notice of Non-Compliance: Overdue Tests
Helen Larson #2-05A1 Disposal Well
EPA Permit No. UT20538-02701
Altamont-Bluebell Field, Duchesne County, Utah

Dear Mr. Denver:

This letter responds to your letter of November 17, 2003. It also reminds you that the Helen Larsen #2-05A1 Disposal Well remains in non-compliance with requirements of EPA Permit No. UT20538-02701. Failure to comply with UIC regulations found at 40 CFR Parts 144 and 146 or a UIC permit are violations of the Safe Drinking Water Act, 42 U.S.C. §300h and are subject to enforcement action by EPA. Enforcement may result in any or all of the following:

- Imposing penalties of up to $27,500 per day of violation;
- Requiring injunctive relief; and
- Terminating the Permit.

Your rate of returning this well to compliance will be evaluated as EPA considers appropriate enforcement action. The overdue compliance dates by which the required tests should have been performed, as stated in our August 7, 2003 notice of non-compliance, remain as follows:

Test Required	Due Date
Mechanical Integrity Test	April 11, 2003
Radioactive Tracer Survey	August 1, 1993

In order to return the Helen Larsen #2-05A1 Disposal Well to compliance with Permit conditions, you must complete and submit the following tests:

RECEIVED
DEC 1 6 2003
DIV. OF OIL, GAS & MINING

Printed on Recycled Paper

- A successful demonstration of Mechanical Integrity Part 1 (Internal) using a standard casing-tubing annulus pressure test, and

- A successful demonstration of Mechanical Integrity Part 2 (External) using a Radioactive Tracer Survey (RTS) run in accordance with Region 8 Guidelines.

Until this well is returned to compliance, EPA will not modify the UIC Permit. As you recall, EPA's letter of November 5, 2003, clearly states that the results from the step rate test were judged to be inconclusive and the Region did not believe the test supported any increase of the permitted maximum allowable injection pressure (MAIP). That letter also discussed the inadequate cement located behind the longstring casing, necessitating the two-year RTS requirement in the Permit. Therefore, the MAIP for the Helen Larson #2-05A1 Disposal Well remains 2,470 psi as measured at the surface and you must conduct an RTS every two (2) years.

In your November 17 letter, you indicated that Dan Jackson, EPA UIC Team Leader, told you during a September 24, 2003, telephone discussion to perform the SRT before performing the other tests, and that you were waiting for EPA to approve an MAIP based on the SRT results before proceeding with the other tests to demonstrate the mechanical integrity (MI) of the well. Although Mr. Jackson said you could run the SRT before the MI tests, he did not intend to provide approval to unnecessarily delay the required and overdue MI tests. You also asked whether EPA notifies operators of upcoming tests before they are due. EPA does not notify operators of tests coming due that are required by a UIC permit. It is the responsibility of the permittee to read, understand, and to comply with all provisions of a UIC permit.

Enclosures provided in our previous letters and as attachments to your UIC permit for this well contain the instructions for how to adequately perform these tests. If you have questions, you may contact our Region 8 UIC Program office. Please note that the MAIP of 2,470 psi is the maximum pressure at which you may run the RTS.

Finally, although you provided a summary of the well workover performed by B.J. Services, please also complete the enclosed EPA Form 7520-12 Rework Record and submit it and all related job tickets, to Mr. Al Craver within thirty (30) days of your receipt of this letter.

If you have questions concerning this letter, you may contact Nathan Wiser at (303) 312-6211 (UIC Enforcement) or Paul S. Osborne (UIC Permits) at (303)-312-6125. Also, please direct all written correspondence to the attention of Al Craver at Mail Code 8ENF-UFO.

Sincerely,

Elisabeth Evans

Elisabeth Evans
Director
Technical Enforcement Program

Enclosure (EPA Form 7520-12, Rework Record)

cc: Maxine Natchees, Chairwoman
Uintah & Ouray Business Committee

Elaine Willie, Environmental Coordinator
Ute Indian Tribe

Mr. Gilbert Hunt
State of Utah Natural Resources
Division of Oil, Gas and Mining

Mr. Chester Mills
BIA - Uintah & Ouray Agency

Mr. Jerry Kenczka
BLM - Vernal District Office

FORM 9

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

5. LEASE DESIGNATION AND SERIAL NUMBER:

SUNDRY NOTICES AND REPORTS ON WELLS

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

7. UNIT or CA AGREEMENT NAME:

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER WATER DISPOSAL WELL

8. WELL NAME and NUMBER: Helen Larsen 2-05A1

2. NAME OF OPERATOR: WATER DISPOSAL INC. N0685

9. API NUMBER: 43-013-30920

3. ADDRESS OF OPERATOR: 2285 Lucky John Drive (CITY) Park City (STATE), Ut (ZIP) 84060 — PHONE NUMBER: 435-649-2382

10. FIELD AND POOL, OR WILDCAT:

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY: Duchesne

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Sec. 5 1S 1W USM

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☐ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start:	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☒ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☐ OTHER:
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

To remove name of Chris Denver, who has passed away on March 28, 2004.

Old Operator: N2875
Chris Denver/John Chasel
2285 Lucky John Drive
Park City, UT 84060
(435) 649-2382

RECEIVED
SEP 29 2004
DIV. OF OIL, GAS & MINING

NAME (PLEASE PRINT) WATER DISPOSAL INC. TITLE PRESIDENT

SIGNATURE John A Chasel DATE September 28, 2004

(This space for State use only)

APPROVED 9/30/04
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000) (See Instructions on Reverse Side)

UIC FORM 5

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number: Helen Larsen 2-05A1	API Number: 43-013-30920
Location of Well Footage : QQ, Section, Township, Range: Sec. 5 1S 1W USM County : Duchesne State : UTAH	Field or Unit Name Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: 9-28-04

CURRENT OPERATOR

Company: John Chasel/Chris Denver Water Disposal Inc. N3875
Address: 2285 Lucky John Drive
city Park City state Utah zip 84060
Phone: 435-649-2382

Name: John Chasel/Chris Denver Water Disposal Inc.
Signature: John D. Chasel
Title: President
Date: 435-649-2382

Comments: To remove name of Chris Denver, who Passed away on March 28, 2004.

NEW OPERATOR

Company: WATER DISPOSAL INC. N0685
Address: 2285 LUCKY JOHN DRIVE
city PARK CITY state UTAH zip 84060
Phone: 435-649-2382

Name: Water Disposal Inc.
Signature: John D. Chasel
Title: President
Date: September 28, 2004

Comments: To remove name of Chris Denver, who passed away on March 28, 2004.

(This space for State use only)

Transfer approved by: David [illegible]
Title: UIC Geologist

Approval Date: 9/29/04

Comments:

RECEIVED
SEP 29 2004
DIV. OF OIL, GAS & MINING

(5/2000)

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

X Change of Operator (Well Sold) Designation of Agent/Operator

Operator Name Change Merger

The operator of the well(s) listed below has changed, effective: **9/28/2004**

FROM: (Old Operator):	**TO:** (New Operator):
N2875-Denver, Chris/Chasel, John	N0685-Water Disposal Inc
2285 Lucky John Dr	2285 Lucky John Dr
Park City, UT 84060	Park City, UT 84060
Phone: 1-(435) 649-2382	Phone: 1-(435) 649-2382

CA No. **Unit:**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
HELEN LARSEN 2-5A1	05	010S	010W	4301330920	9138	4	WD	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: **9/29/2004**
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: **9/29/2004**
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** **7/7/2003**
4. Is the new operator registered in the State of Utah: YES Business Number: **1104313-0142**
5. If **NO**, the operator was contacted contacted on:

6a. (R649-9-2)Waste Management Plan has been received on: **IN PLACE**

6b. Inspections of LA PA state/fee well sites complete on: **n/a**

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: **BLM** n/a **BIA** n/a

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: **n/a**

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: **n/a**

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: **9/29/2004**

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** **9/30/2004**
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** **9/30/2004**
3. Bond information entered in RBDMS on: **9/30/2004**
4. Fee/State wells attached to bond in RBDMS on: **9/30/2004**
5. Injection Projects to new operator in RBDMS on: **9/30/2004**
6. Receipt of Acceptance of Drilling Procedures for APD/New on: **n/a**

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: **n/a**

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: **n/a**

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number **NZS499876**
2. The **FORMER** operator has requested a release of liability from their bond on: **same bond - joint coverage**
The Division sent response by letter on: **n/a**

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: **10/5/2004**

COMMENTS:

To remove name of Chris Denver, who passed away on March 28, 2004.

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number: UT20538

SUNDRY NOTICES AND REPORTS ON WELLS

6. If Indian, Allottee or Tribe Name:

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

7. Unit Agreement Name:

1. Type of Well: OIL ☐ GAS ☐ OTHER: Injection Disposal Well

8. Well Name and Number: Helen Larsen 2-5A1

2. Name of Operator: Water Disposal, Inc.

9. API Well Number: 43-013-30920

3. Address and Telephone Number: 2285 Lucky John Drive, Park City, Utah 84060 435-649-2382

10. Field and Pool, or Wildcat: Bluebell-Greenriver

4. Location of Well
Footages: SE1/4 of the NW 1/4 of Section 5, Township 1 South Range 1 West
QQ, Sec.,T.,R.,M.:

County: Duchesne

State: Utah

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT (Submit in Duplicate)

- ☐ Abandon
- ☐ Repair Casing
- ☐ Change of Plans
- ☐ Convert to Injection
- ☒ Fracture Treat or Acidize
- ☐ Multiple Completion
- ☐ Other
- ☐ New Construction
- ☐ Pull or Alter Casing
- ☐ Recomplete
- ☒ Reperforate
- ☐ Vent or Flare
- ☐ Water Shut-Off

Approximate date work will start June 23, 2008

SUBSEQUENT REPORT (Submit Original Form Only)

- ☐ Abandon *
- ☐ Repair Casing
- ☐ Change of Plans
- ☐ Convert to Injection
- ☐ Fracture Treat or Acidize
- ☐ Other
- ☐ New Construction
- ☐ Pull or Alter Casing
- ☐ Reperforate
- ☐ Vent or Flare
- ☐ Water Shut-Off

Date of work completion

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

See attached copies of plan sent to Environmental Protection Agency for their approval.

Accepted by the Utah Division of Oil, Gas and Mining
FOR RECORD ONLY

13.
Name & Signature: John D. Chasel Title: President Date: May 2008

(This space for State use only)

RECEIVED
MAY 23 2008
DIV. OF OIL, GAS & MINING

(4\94) (See Instructions on Reverse Side)

WATER DISPOSAL, INC.
2285 LUCKY JOHN DRIVE
PARK CITY, UTAH 84060
PHONE 435-649-2382 FAX 435-649-2482

MAY 22, 2008

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ATTN: NATHAN WISER
REGION 8
1595 WYNKOOP STREET
DENVER, COLORADO 80202-1129

Re: UNDERGROUND INJECTION CONTROL (UIC)
HELEN LARSEN #2-5A1 INJECTION WELL
EPA PERMIT NO: UT20538-02701

Dear Mr Wiser:

Water Disposal, Inc. plans to re-perforate approved zones by Production Logging Services, Inc. Located at Vernal, Utah as per their attached copy at Two perforations per foot through the 2amd 7/8th tubing to avoid pulling the Packer. This is planned to be done on June 23, 2008.

Then on June 24, 2008 Water Disposal Inc. plans to do an Acid Treatment of aproximately 14,000 gallons of 15% HCL at 2,470 PSIG using some ball sealers. Then let the well flow back.

Then on June 25, 2008 Water Disposal, Inc. plans to run the Radio Active Tracer Survey as per the attached copy for your approval.

After running the Radio Active Tracer Survey Water Disposal, Inc. plans to run the Mechanical Integrity Test also on June 25, 2008.

After all above is performed United States Environmental Protection Agency will be notified, and with their approval Water Disposal, Inc. will again begin Injecting water into the Helen Larsen #2-5A1 Well.

United Staes Environmental Protection Agency is invited to be present for any or all above procedures.

Please review and let Water Disposal, Inc, know if the plan meets your approval.

Thank you

WATER DISPOSAL, INC.
BY: John D. Chasel, President

WATER DISPOSAL, INC.
2285 LUCKY JOHN DRIVE
PARK CITY, UTAH 84060
PHONE 435-649-2382 FAX 435-649-2482

MAY 22, 2008

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ATTN: NATHAN WISER
REGION 8
1595 WYNKOOP STREET
DENVER, COLORADO 80202-1129

Re: UNDERGROUND INJECTION CONTROL (UIC)
HELEN LARSEN #2-5A1 INJECTION WELL
EPA PERMIT NO: UT20538-02701

Dear Mr Wiser:

Water Disposal, INc. plans to do the RADIOACTIVE TRACER SURVEY at the Helen Larsen #2-5A1 Injection Well on June 25, 2008 by Production Logging Service, located at Vernal, Utah as per the following procedures for your approval.

1) Establish injection into well at a surface pressure of 2,470 PSIG.

2) Lower RATS survey tool into well and run background Gamma-Ray log from 9500' to 8300'.

3) Position Gamma-Ray detection tool ten feet above top perf at 8803' (top perf at 8813-8838).

4) While keeping survey tools stationary, eject slug of radioactive material into flowstream.

5) Record Gamma-Ray on time drive, and wait 30 minutes to see if water channels up from perf at 8813-8838'.

6) If water is channeling up from below 8803', record slug movement on depth drive to determine interval (s) of exit. Radio active tracer will follow water to exact location.

7) Using the same procedure outlined above, check packer at 8742'-8749'.

8) If it is found that the packer is leaking, determine interval (s) of leak.

9) Run Post Gamma-Ray log from 9500' to 8300'.

Please advise if the above procedures meet with your approval, and if Environmental Protection Agency would like to have someone to witness the procedures:

Thank you

John D. Chasel, President, May22 2008

Production Logging Services, Inc.-East

1340 East 1100 South
Vernal, UT 84078-8646

Estimate

Date	Estimate #
5/7/2008	1024

Name / Address
Water Disposal, Inc. 2285 Lucky John Drive Park City, Utah 84060

Project

Qty	Description	Item	Total
	Provide Services and Labor to Perforate the Following Zones with 2 shots/foot at 0° phasing: 8813-8838, 8891-8905, 8925-8940, 8974-8992, 9223-9254, 9266-9348 (perfs .27" entry hole with 27.51" penetration)		
1	TOTAL for above:	22820.00	22,820.00
1	Gauge Ring Run	2400.00	2,400.00
		Total	$25,220.00

Phone #
435-789-6940

E-mail
marcy@productionlogging.com

43-013-30920
5 1S 1W

WATER DISPOSAL, INC.
2285 LUCKY JOHN DRIVE
PARK CITY, UTAH 84060
PHONE 435-649-2382 FAX 435-649-2482

JULY 3, 2008

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ATTN: NATHAN WISER
REGION 8
1595 WYNKOOP STREET
DENVER, COLORADO 80202-1129

Re: UNDERGROUND INJECTION CONTROL (UIC)
HELEN LARSEN #2-05A1 INJECTION WELL
EPA PERMIT NO: UT20538-02701

Dear Mr Wiser:

Enclosed are copies of the RePerforate work done on June 23, 2008, Copies of the Acid Treatment performed on June 24, 2008, Copy of the RADIO ACTIVE TRACER SURVEY (RATS) performed on June 25, 2008, Original copy of the MECHANICAL INTEGRITY TEST performed on JUNE 25, 2008, which was performed after the RADIO ACTIVE INTEGRITY TEST was completed.

Maximum pressure used during the Acid treatment was 2,400 PSI.

Maximum pressure for the RADIO ACTIVE TRACER SURVEY was 2,470 PSI.

If anything is needed please let me know.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

Sincerely,

John D. Chasel
President
Water Disposal, Inc.

cc: Brad Hill
Utah Division of Oil, Gas and Mining
P. O. Box 145801
Salt Lake City, Utah 84114

RECEIVED
JUL 07 2008
DIV. OF OIL, GAS & MINING

FORM 9

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

5. Lease Designation and Serial Number: UT20538

6. If Indian, Allottee or Tribe Name:

7. Unit Agreement Name:

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells. Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL ☐ GAS ☐ OTHER: Injection Disposal Well

8. Well Name and Number: Helen-Larsen 2-05A1

2. Name of Operator: Water Disposal, Inc.

9. API Well Number: 43-013-30920

3. Address and Telephone Number: 2285 Lucky John Drive, Park City, Utah 84060 435-649-2382

10. Field and Pool, or Wildcat: Bluebell-Altamont

4. Location of Well Footages: SE1/4 of the NW 1/4 of Section 5, Township 1 South Range 1 West

QQ, Sec.,T.,R.,M.:

County: Duchesne

State: Utah

11. **CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

NOTICE OF INTENT (Submit in Duplicate)

- ☐ Abandon
- ☐ Repair Casing
- ☐ Change of Plans
- ☐ Convert to Injection
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- ☐ Multiple Completion
- ☐ Other
- ☐ New Construction
- ☐ Pull or Alter Casing
- ☐ Recomplete
- ☐ Reperforate
- ☐ Vent or Flare
- ☐ Water Shut-Off

Approximate date work will start

SUBSEQUENT REPORT (Submit Original Form Only)

- ☐ Abandon *
- ☐ Repair Casing
- ☐ Change of Plans
- ☐ Convert to Injection
- ☒ Fracture Treat or Acidize
- ☐ Other Also ran Radio Active Tracer Survey and Mechanical Integrity Test
- ☐ New Construction
- ☐ Pull or Alter Casing
- ☒ Reperforate
- ☐ Vent or Flare
- ☐ Water Shut-Off

Date of work completion ~~July~~ June 25, 2008

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Copies attached.

13. Name & Signature: John D. Chasel Title: President Date: July 3, 2008

(This space for State use only)

RECEIVED JUL 07 2008 DIV. OF OIL, GAS & MINING

(4\94)

(See Instructions on Reverse Side)

Production Logging Services, Inc.-East

1340 East 1100 South
Vernal, UT 84078-8646

Estimate

Date	Estimate #
5/7/2008	1024

Name / Address
Water Disposal, Inc. 2285 Lucky John Drive Park City, Utah 84060

Project

Qty	Description	Item	Total
	Provide Services and Labor to Perforate the Following Zones with 2 shots/foot at 0° phasing: 8813-8838, 8891-8905, 8925-8940, 8974-8992, 9223-9254, 9266-9348 (perfs .27" entry hole with 27.51" penetration)		
1	TOTAL for above:	22820.00	22,820.00
1	Gauge Ring Run	2400.00	2,400.00
		Total	$25,220.00

Phone #
435-789-6940

E-mail
marcy@productionlogging.com

RECEIVED
JUL 07 2008
DIV. OF OIL, GAS & MINING

Water Disposal , INC.

Helen Larsen 1-5 A1

FRAC TECH

Post Treatment Summary

Ticket Number: 11-000013

Treatement Date: 6/25/2008

Frac Tech Services, Ltd.
Ashley Industrial Park, 4935 E 470(
Vernal, Utah 84078

FRAC TECH

Field Receipt No: 11-000013
Revision: A
Date: 6/25/2008
Page: 1 of 1
Stage: 15% HCL Acid Treatment

Customer Name: John Chasel

Billing Address: Water Disposal, Inc.
2285 Lucky John DR.
Park City, Utah. 84060

Lease Name: Water Disposal, Inc
Job Description: 15% HCL Acid Treatment
Job Depth: 9266 to 9348
API Number: API No.
Legal Description: Sec. 5 T1S R1W
County / State Duchesne County, Utah

Item	Quanity	Description	Rate	Unit	Gross	Discount	Net
MISC01	1	Equipment Charge (total)	$ 10,000.00	per stage	$ 10,000.00	54.00%	$ 4,600.00
A3002	7500	10.1% - 15% HCL	$ 1.31	per/gal	$ 9,825.00	54.00%	$ 4,519.50
AA015	75	Acetic Acid	$ 26.00	per/gal	$ 1,950.00	54.00%	$ 897.00
M2018	38	CI-300HT	$ 68.43	per/gal	$ 2,600.34	54.00%	$ 1,196.16
M2012	45	FE 100L	$ 47.61	per/gal	$ 2,142.45	54.00%	$ 985.53
M2024	75	MA 844W	$ 177.75	per/gal	$ 13,331.25	54.00%	$ 6,132.38
M2010	15	WellClay 100	$ 72.85	per/gal	$ 1,092.75	54.00%	$ 502.67
MSA01	150	Mutual Solvent	$ 70.92	per/gal	$ 10,638.00	54.00%	$ 4,893.48
B0001	350	7/8" RCN Ball Sealers 1.3 S.G.	$ 6.11	ea	$ 2,138.50	54.00%	$ 983.71
BI001	2	Ball Injector	$ 539.06	ea	$ 1,078.12	54.00%	$ 495.94
M2024	0	Baking Soda (Neutralizer)	$ 0.23	lb	$ -	54.00%	$ -
SS102	1	Field Performance Incentive	$ 250.00	per stage	$ 250.00	0.00%	$ 250.00
FSC00	1	Fuel Surcharge 0-20 bpm	$ 653.40	per hr	$ 653.40	0.00%	$ 653.40
				Subtotal	$ 55,699.81	53.12%	$ 26,109.75
				Tax			$ -
				Total			**$ 26,109.75**

Authorization to Begin Service
I hereby authorize work to commence per service instructions in accordance with terms and conditions printed on backside of this form and represents that I authority to accept and sign this order.

Signature _____

Completed Services
I certify that materials and services listed above were received and all services preformed in a workman like manner.

Signature _____

Proposal No: 11-000013 Revision

FRAC TECH

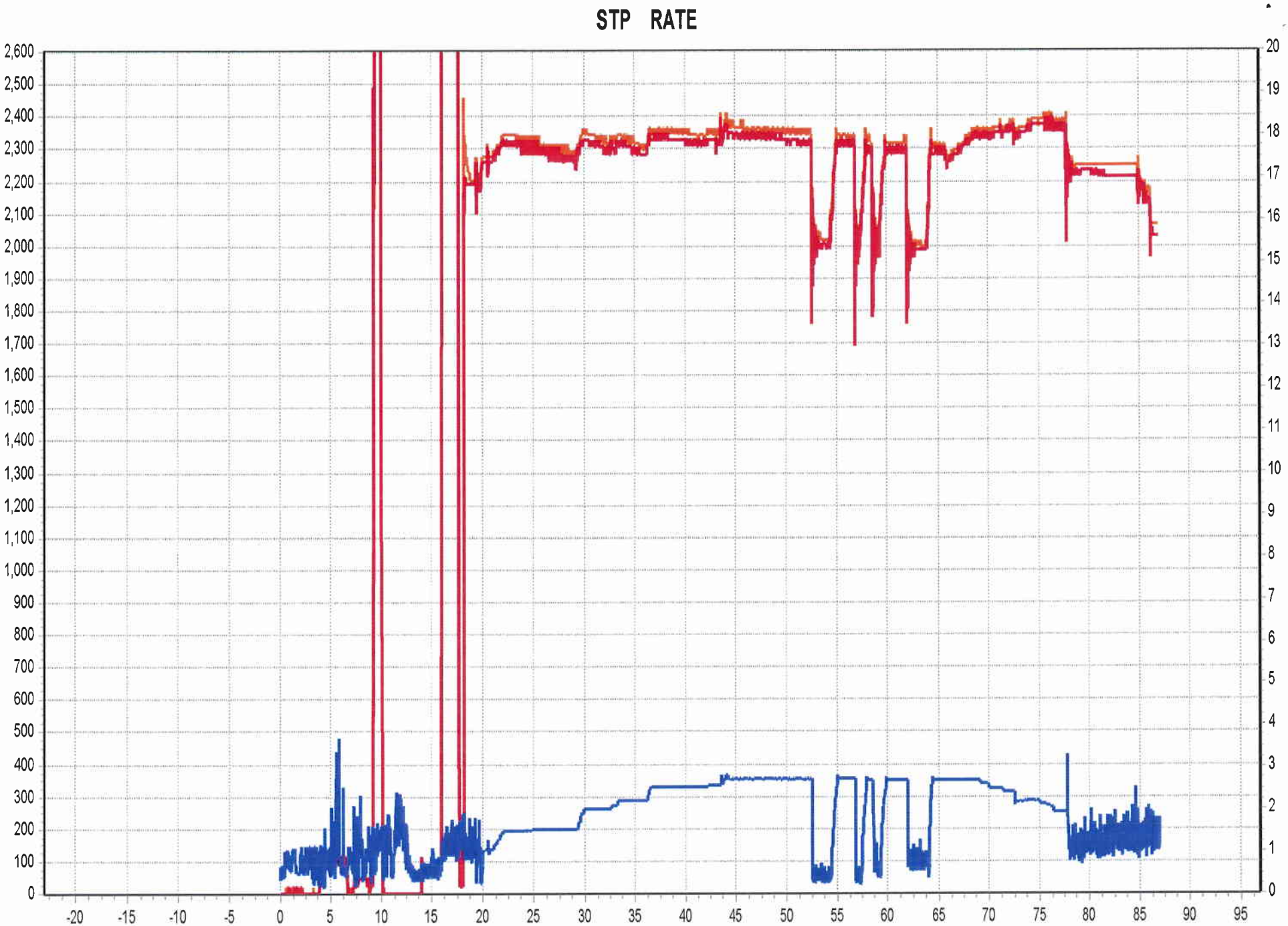
Frac Tech Services, Ltd.
4935 E. 4700 S.
Vernal, Utah 84078

Operator Name:	Water Disposal, Inc.
Well Name:	Helen Larsen 1-5 A1
Job Description:	15% HCL
Date:	June 25, 2008

OVERVIEW OF JOB:

Surface Treating Pressure	2,360	psi	
Total Rate	2.7	bpm	
Pump Time Estimated Hrs/Min	2:05	HH:MM	
Hydrochloric Acid 15%	7,500	Gallons	HCL 15%
Pads- Injection rate.	168	Gallons	
Proppants Ladden	-	Gallons	
Flush	2,520	Gallons	
Proppants 100 Mesh White Sand	-	Lbs.	
Proppants 40/70 White Sand	-	Lbs.	
Total BBLS for Job		BBLS	
Total Gallons for Job	10,188	Gallons	
Maximum Pressure	2,400	PSI	
PRESSURE TEST TO	3,000	PSI	

MAX-PSI	2,400	PSI
AVG-PSI	2,350	PSI
MAX-RATE	2.7	bpm
AVG-RATE	2.5	bpm
ISIP	2,269	PSI
5 Min.	2,237	PSI
10 Min.	2,215	PSI



Water Disposal, INC Helen Larson 1-5 A1

Mechanical Integrity Test
Casing or Annulus Pressure Test

U.S. Environmental Protection Agency
Underground Injection Control Program, UIC Implementation Section, 8WM-DW
999 18th Street, Suite 500, Denver, CO 80202-2466

EPA Witness: _____ Date 06/25/08 Time 7:39 am/

Test conducted by: P.L.S.

Others present: JOHN CHASEL PAUL WELLS

Well: HELEN LARSON 2-5-A1 Well ID: UT 20538-02701

Field: BLUE BELL Company: WATER DISPOSAL IN

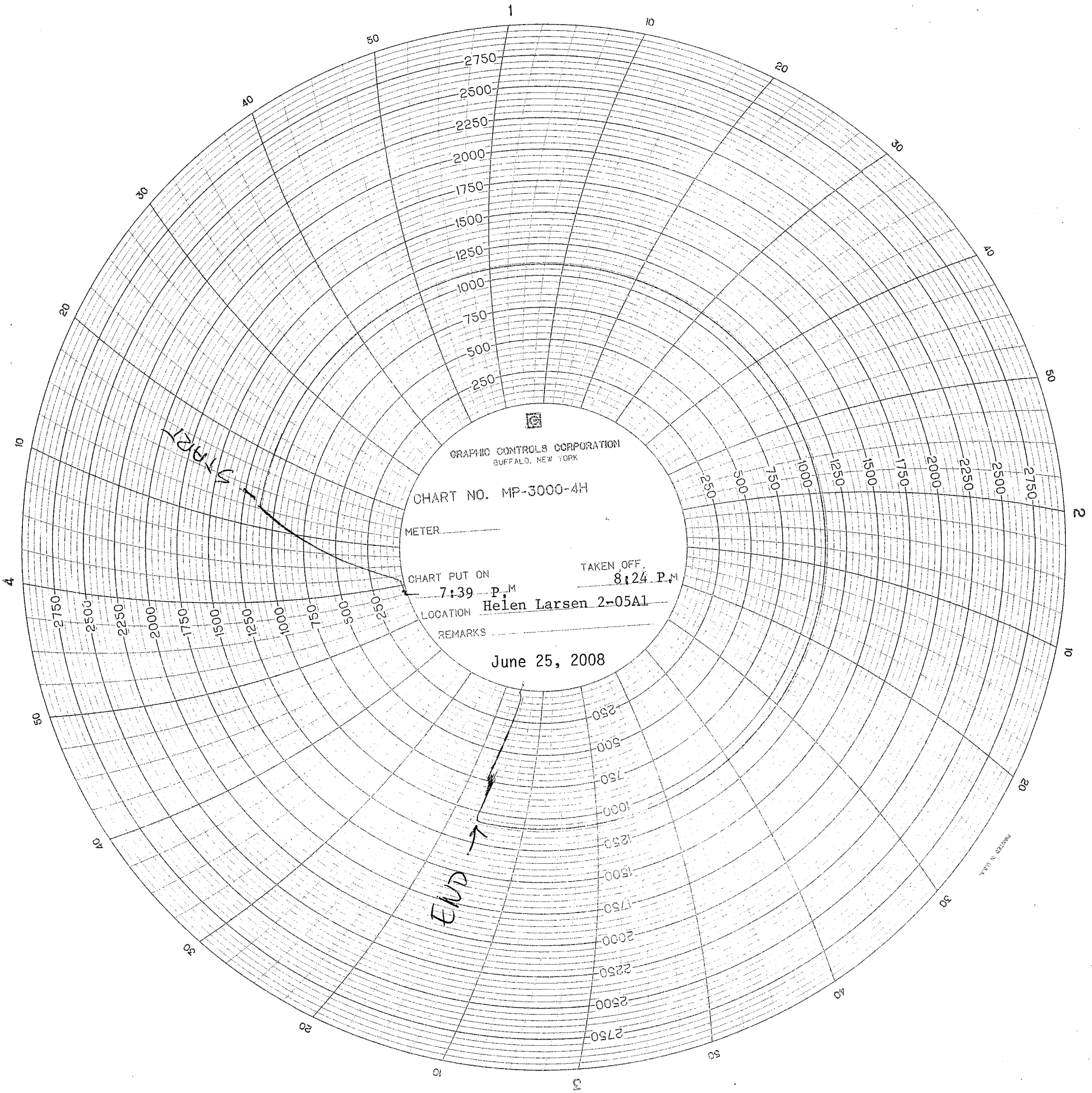
Well Location: SEC 5 T1S R1W Address: 2285 LUCKY JOHN DR PARK CITY UT 8406

Time	Test #1		Test #2		Test #3	
0 min	1100	psig		psig		psig
5	1100					
10	1100					
15	1100					
20	1100					
25	1100					
30 min	1100					
35	1100					
40	1080					
45	1080					
50						
55						
60 min						
Tubing press	2200	psig		psig		psig

Result (circle) Pass Fail Pass Fail Pass Fail

Signature of ~~EPA~~ PLS Witness: Mike Goff

See back of page for any additional comments & compliance followup.


GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK
CHART NO. MP-3000-4H
METER
CHART PUT ON
7:39 P.M
TAKEN OFF
8:24 P.M
LOCATION Helen Larsen 2-05A1
REMARKS
June 25, 2008
START
END
PRINTED IN U.S.A.

UIC MECHANICAL INTEGRITY TEST

COMPANY Water Disposal Inc WELL Helen Larson 2-5-A1

DATE 6-25-08 SEC 5 TWN 1S RNG 1W

LOCATION Blue Bell Field

TYPE OF TEST: ☐ TBG ☒ CASING ☐ TBG & TBG/CSG

PERFS/OH _____ PACKER DEPTH 8749 PSI

NIPPLE DEPTH _____ PLUG DEPTH _____ PSI

LINER TOP _____ PRESSURE 2200 PSI

EOT DEPTH 8749

TUBING

START TIME 7:39 pm PRESSURE _____ PSI

STOP TIME _____ PRESSURE _____ PSI

TUBING TEST RESULTS _____

CASING

START TIME 7:39PM PRESSURE 1100

STOP TIME 8:24PM PRESSURE 1080

CASING TEST RESULTS _____

WITNESSED BY Mike Cook RECORDED BY Mike Cook

COMMENTS _____

Water Disposal Inc.
2285 Lucky John Drive
Park City, Utah 84060
Phone 435-229-3763

August 18, 2011

Ref: 8ENF_UFO

Sandra A. Stavnes, Director
UIC/FIFRA/OPA Technical Enforcement Programs
UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
DENVER, COLORADO 80202-1129

RECEIVED
AUG 22 2011
DIV. OF OIL, GAS & MINING

1S 1W 5

Re: Underground Injection Control (UIC)
Notice of Alleged Violation;
Loss Of Mechanical Integrity
Helen Larson 2-05A1 Well
EPA Permit # UT20538-02701
API #: 43-013-30920
Altamont-Bluebell Oil Field
Duchesne County, Utah

Dear Andra A. Stevnes, Director

The Mechanical Integrity Test (MIT) was done on the above referenced Well on August 12, 2011 as per your guidelines and requirements. The well passed the test. Enclosed are your copies of the chart used for the test and the copy of the Mechanical Integrit Test Casing or Annulus Pressure Mechanical Integrity Test Pressure Readings and times, signed by witnesses.. If you have any questions please give me a call. The test was performed by Production Logging Serices, Vernal, Utah.

Sincerely,

Water Disposal Inc.
John D. Chasel, President

cc:

Richard Jenks, Jr., Chairman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Frances Poowegup, Vice-Chairwoman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Phillip Chimburas, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Stewart Pike, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Irene Cuch, Councilwoman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Ronald Wopsock, Councilman
Uintah & Ouray Business Committee
P.O. Box 190
Fort Duchesne, Utah 84026

Mike Natchees, Environmental
Coordinator
Ute Indian Tribe
P.O. Box 460
Fort Duchesne, Utah 84026

Manuel Myore, Director of Energy,
Minerals and Air Programs
P.O. Box 70
Ute Indian Tribe
Fort Duchesne, Utah 84026

Dan Jarvis
Utah Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, Utah 84114

john Chasel

Mechanical Integrity Test
Casing or Annulus Pressure Mechanical Integrity Test

U.S. Environmental Protection Agency
Underground Injection Control Program
999 18th Street, Suite 200 Denver, CO 80202-2466

PLS ~~EPA~~ Witness: KEVIN STRATTON Date: 08 / 12 / 2011
Test conducted by: KEVIN STRATTON
Others present: PAUL WELLS Bret Massey

Well Name: HELEN LARSEN 25A1 Type: ER (SWD) Status: (AC) TA UC
Field: ALTAMONT / BLUEBELL
Location: HL Sec: 5 T 15 N / (S) R 1 E / (W) County: DUCHESNE State: UTAH
Operator: WATER DISPOSAL INC
Last MIT: 06 / 24 / 2010 Maximum Allowable Pressure: _____ PSIG

RECEIVED
AUG 22 2011
DIV. OF OIL, GAS & MINING

Is this a regularly scheduled test? [ ] Yes [X] No
Initial test for permit? [ ] Yes [X] No
Test after well rework? [ ] Yes [X] No
Well injecting during test? [ ] Yes [X] No If Yes, rate: _____ bpd

Pre-test casing/tubing annulus pressure: _____ Ø psig

MIT DATA TABLE	Test #1	Test #2	Test #3
TUBING PRESSURE			
Initial Pressure	2400 psig	psig	psig
End of test pressure	2400 psig	psig	psig
CASING / TUBING ANNULUS PRESSURE			
0 minutes	1000 psig	psig	psig
5 minutes	995 psig	psig	psig
10 minutes	990 psig	psig	psig
15 minutes	990 psig	psig	psig
20 minutes	980 psig	psig	psig
25 minutes	975 psig	psig	psig
30 minutes	960 psig	psig	psig
minutes	psig	psig	psig
minutes	psig	psig	psig
RESULT	[X] Pass [ ] Fail	[ ] Pass [ ] Fail	[ ] Pass [ ] Fail

Does the annulus pressure build back up after the test ? [ ] Yes [ ] No

MECHANICAL INTEGRITY PRESSURE TEST

Additional comments for mechanical integrity pressure test, such as volume of fluid added to annulus and bled back at end of test, reason for failing test (casing head leak, tubing leak, other), etc.:

Signature of Witness: Paul Kee

OFFICE USE ONLY - COMPLIANCE FOLLOWUP

Staff _____ Date: ___/___/___

Do you agree with the reported test results? [ ] YES [ ] NO

If not, why?

Possible violation identified? [ ] YES [ ] NO

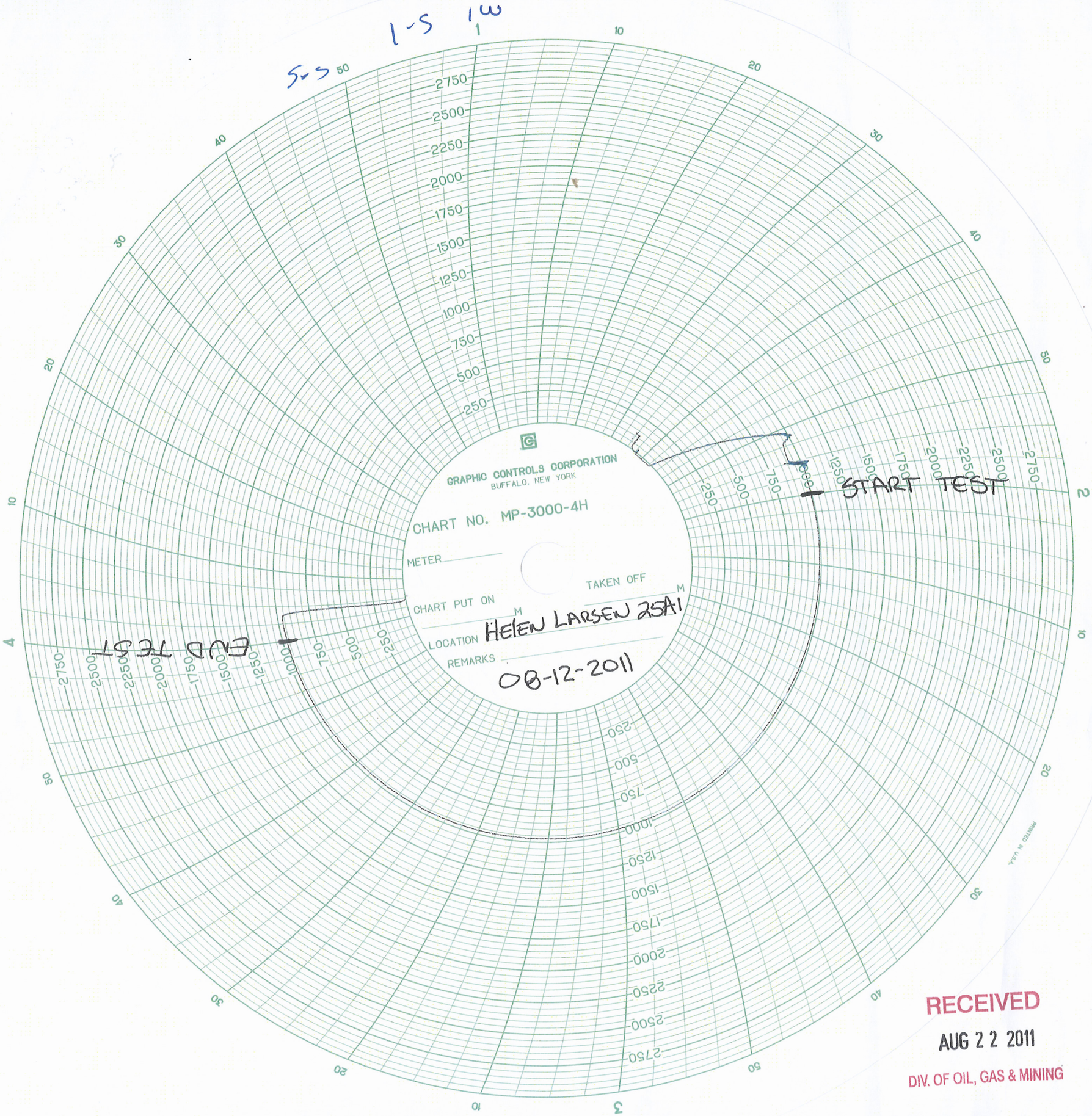
If YES, what

If YES - followup initiated? [ ] YES

[ ] NO - why not?

[ ] Data Entry [ ] Compliance Staff [ ] 2nd Data Entry [ ] Hardcopy Filing

RECEIVED
AUG 2 2 2011
DIV. OF OIL, GAS & MINING



RECEIVED
AUG 22 2011
DIV. OF OIL, GAS & MINING

WATER DISPOSAL, INC.
2285 LUCKY JOHN DRIVE
PARK CITY, UTAH 84060
PHONE 435-649-2382 Cell 435-229-8763

RECEIVED
MAY 09 2016
DIV OF OIL, GAS & MINING

MAY 6, 2016

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
ATTN: Gary Wang
REGION 8
DENVER, COLORADO 80202-2466

Re: UNDERGROUND INJECTION CONTROL (UIC)
HELEN LARSEN #2-5A1 INJECTION WELL
EPA PERMIT NO: UT20538-02701

Accepted by the Utah Division of Oil, Gas and Mining

FOR RECORD ONLY

43 013 30920
5 1S 1W

Dear Mr. Wang

Water Disposal Inc. plans to do the RADIOCTIVE TRACER SURVEY at the Helen Larsen #2-5A1 Injection Well on June 15, 2016 by Production Logging Service, located at Vernal, Utah as per the following procedures for your approval.

1) Establish injection into well at a surface pressure of 2470 PSIG. (2,470)

2) Lower RATS survey tool into well and run background Gamma-Ray log from 9500' to 8300'.

3) Position Gamma-Ray detection tool ten feet above the top perf at 8803' (top perf at 8813'-8838')

4) While keeping survey tools Stationary, eject slug of radioactive material into flowstream.

5) Record Gamma-Ray on time drive, and wait 30 minutes to see if water channels up from perf at 8813'-8838'.

6) If water is channeling up from below 8803', record slug movement on depth drive to determine interval (s) of exit, Radio active tracer will follow water to exact exit location.

7) Using the same procedure outlined above, check packer at 8742'-8749.

8) If it is found that the packer is leaking, determine interval (s) of leak.

9) Run Post Gamma-Ray log from 9500' to 8300'.

Please advise if the above procedures meets with your approval, and if Environmental Protection Agency would like to have someone to witness the procedures:

Thank you

John D. Chasel, President

May 6, 2016

cc: State Of Utah

4301330920
Helen Larsen 2-5A1
1789 FNL 1960 FWL
SENW 5 1S 1W

Water Disposal Inc.
2285 Lucky John Drive
Park City, Utah 84060

JUNE 21, 2016
PHONE 435-229-3763

RECEIVED
JUN 23 2016
DIV. OF OIL, GAS & MINING

UTAH DIVISION OF OIL, GAS AND MINING
ATTN: DAN JARVIS

Enclosed is your copy of the Radio Active Tracer Survey Taken on June 15, 2016, along with a copy of the Inspection report by the EPA, who had two inspectors on hand to witness the procedure done to there specifications.

Sincerely

John D Chasel

Water Disposal, Inc.
By: John D. Chasel, President

NOTICE OF INSPECTION

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII, 999 18TH STREET - SUITE 500
DENVER, COLORADO 80202-2405

4301330920 Helen Larsen 2-5A1 1989 FNL 1965 FWL SENW 5 1S 1W

Date: 6/15/16

Hour: 8:40

Notice of inspection is hereby given according to Section 1445(b) of the Safe Drinking Water Act (42 U.S.C. §300f et seq.).

Firm Name: Water Disposal Inc

Firm Address: 2285 Lucky John Dr Park City UT 84060

REASON FOR INSPECTION:

For the purpose of inspecting records, files, papers, processes, controls and facilities, and obtaining samples to determine whether the person subject to an applicable underground injection control program has acted or is acting in compliance with the Safe Drinking Water Act and any applicable condition of permit or rule authorization.

SECTION 1445(b) of the SAFE DRINKING WATER ACT is quoted below:

Section 1445(b)(1): Except as provided in Paragraph (2), the Administrator, or representatives of the Administrator duly designated by him, upon presenting appropriate credentials, and a written notice to any supplier of water or other person subject to (a), or person subject (A) a national primary drinking water regulation prescribed under Section 1412(B) an applicable Underground Injection Control Program, or (C) any requirement to monitor an unregulated contaminant pursuant to subsection (a), or person in charge of any of the property of such supplier or other person referred to in clause (A), (B), or (C), is authorized to enter any establishment, ... facility, or other property of such supplier or other person in order to determine whether such supplier or other person has acted or is acting in compliance with this title, including for this purpose, inspection, at reasonable times, of records, files, papers, processes, controls, and facilities, or in order to test any feature of a public water system, including its raw water source. The Administrator or the Comptroller General (or any representative designated by either) shall have access for the purpose of audit and examination to any records, reports, or information of a grantee which are required to be maintained under subsection (a) or which are pertinent to any financial assistance under this title.

Don Brettle

Inspector's Name & Title (Print)

Inspector's Signature

EPA R8 3560-1 (8-89)

Original - Regional Office Copy
Yellow Copy - Operator Copy