

UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS WELL LOG ELECTRIC LOGS FILE X WATER SANDS LOCATION INSPECTED SUB. REPORT/abd

CALL GR/ML 1-24-95
900508 COOP INDUSTRIAL STATUS Expired 2-3-96

DATE FILED NOVEMBER 17, 1994

LAND FEE & PATENTED STATE LEASE NO ML-22049 PUBLIC LEASE NO. INDIAN

DRILLING APPROVED: NOVEMBER 23, 1994

SPUDDED IN 12-13-94

COMPLETED 1-3-95 POW PUT TO PRODUCING: 1-25-95

INITIAL PRODUCTION: 5 BOPD

GRAVITY A.P.I. 38.7

GOR

PRODUCING ZONES 5428-31 (GRPV)

TOTAL DEPTH: 5534

WELL ELEVATION: 4910 GR, 4928 KB

DATE ABANDONED:

FIELD: UNDESIGNATED FIELD

UNIT: NA

COUNTY: UINTAH

WELL NO. GLEN BENCH STATE #7-16 API NO. 43-047-32582

LOCATION 1736' FNL FT. FROM (N) (S) LINE. 1464' FEL FT. FROM (E) (W) LINE SW NE 1/4 - 1/4 SEC. 16

TWP	RGE	SEC.	OPERATOR	TWP	RGE	SEC.	OPERATOR
				<u>8S</u>	<u>22E</u>	<u>16</u>	<u>CHANDLER & ASSOC</u>

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	Halgate Tongue	Ouray
Green River	Frontier	Phosphoria	Elbert
Glen Bench Ss	2856'	Park City	McCracken
White River Ss	5062'	Rico (Goodridge)	Aneth
BASAL 'STRAY' Ss	5260'	Supai	Simonson Dolomite
	5480'	Buckhorn	Sevy Dolomite
		JURASSIC	North Point
Wasatch	5430'	Morrison	SILURIAN
Stone Cabin		Salt Wash	Laketown Dolomite
Colton		San Rafael Gr.	ORDOVICIAN
Flagsiaff		Summerville	Eureka Quartzite
North Horn		Bluff Sandstone	Pogonip Limestone
Almy		Curtis	CAMBRIAN
Paleocene		Entrada	Lynch
Current Creek		Moab Tongue	Bowman
North Horn		Carmel	Tapeats
CRETACEOUS		Glen Canyon Gr.	Ophir
Montana		Navajo	Tintic
Mesaverde		Kayenta	PRE - CAMBRIAN
Price River		Wingate	
Blackhawk		TRIASSIC	
		Cane Creek	

CONFIDENTIAL

Form 3160-3 (November 1983) (formerly 9-331C)

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved, Budget Bureau No. 1004-013 Expires August 31, 1985

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK: DRILL [X], DEEPEN [], PLUG BACK []
1b. TYPE OF WELL: OIL WELL [X], GAS WELL [], OTHER [], SINGLE ZONE [], MULTIPLE ZONE []
2. NAME OF OPERATOR: Chandler & Associates, Inc.
3. ADDRESS OF OPERATOR: 475 Seventeenth Street, Suite 1000 Denver, Colorado 80202
4. LOCATION OF WELL: 1736' FNL 1464' FEL (SW 1/4 NE 1/4)
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: See Topo Map "A"
16. NO. OF ACRES IN LEASE: 640
17. NO. OF ACRES ASSIGNED TO THIS WELL: 40
19. PROPOSED DEPTH: 5500
20. ROTARY OR CABLE TOOLS: Rotary
22. APPROX. DATE WORK WILL START: A.S.A.P.

3. LEASE DESIGNATION AND SERIAL NO.: ML - 22049
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT AGREEMENT NAME: N/A
8. FARM OR LEASE NAME: Glen Bench State
9. WELL NO.: #7-16
10. FIELD AND POOL, OR WILDCAT: Glen Bench
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 16, T8S, R22E, S.L.B. & M.
12. COUNTY OR PARISH: Uintah
13. STATE: Utah

Table with 5 columns: SIZE OF ROLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 12 1/4" casing with 24# weight and 7 7/8" casing with 15.5# weight.

- 1. M.I.R.U.
2. Drill to T.D. 5500'
3. Run 5 1/2" casing if commercial production is indicated.
4. If dry hole, well will be plugged and abandoned as instructed by the BLM.
5. Well will be drilled with fresh water to 5000' then Chem Gel Mud to T.D. Mud will be in place to run 5 1/2" casing.

I hereby certify that I am responsible by the terms and conditions of the Lease to conduct Lease Operations. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Chandler & Associates, Inc., B.L.M. Bond #2396118, with Reichart Silversmith.

RECEIVED 17 1994 DIV OF OIL, GAS & MINING

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.

SIGNED: Robert L. Kay, R.I.S. TITLE: Agent for Chandler & Assoc. DATE: November 16, 1994

PERMIT NO. 43-047-32582 APPROVAL DATE: 11/23/94
APPROVED BY: [Signature] TITLE: [Signature]
CONDITIONS OF APPROVAL, IF ANY: WELL SPACING 649-3-3

*See Instructions On Reverse Side

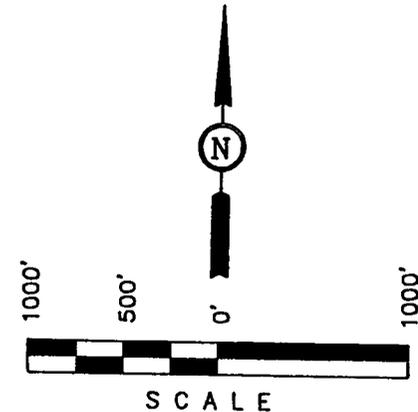
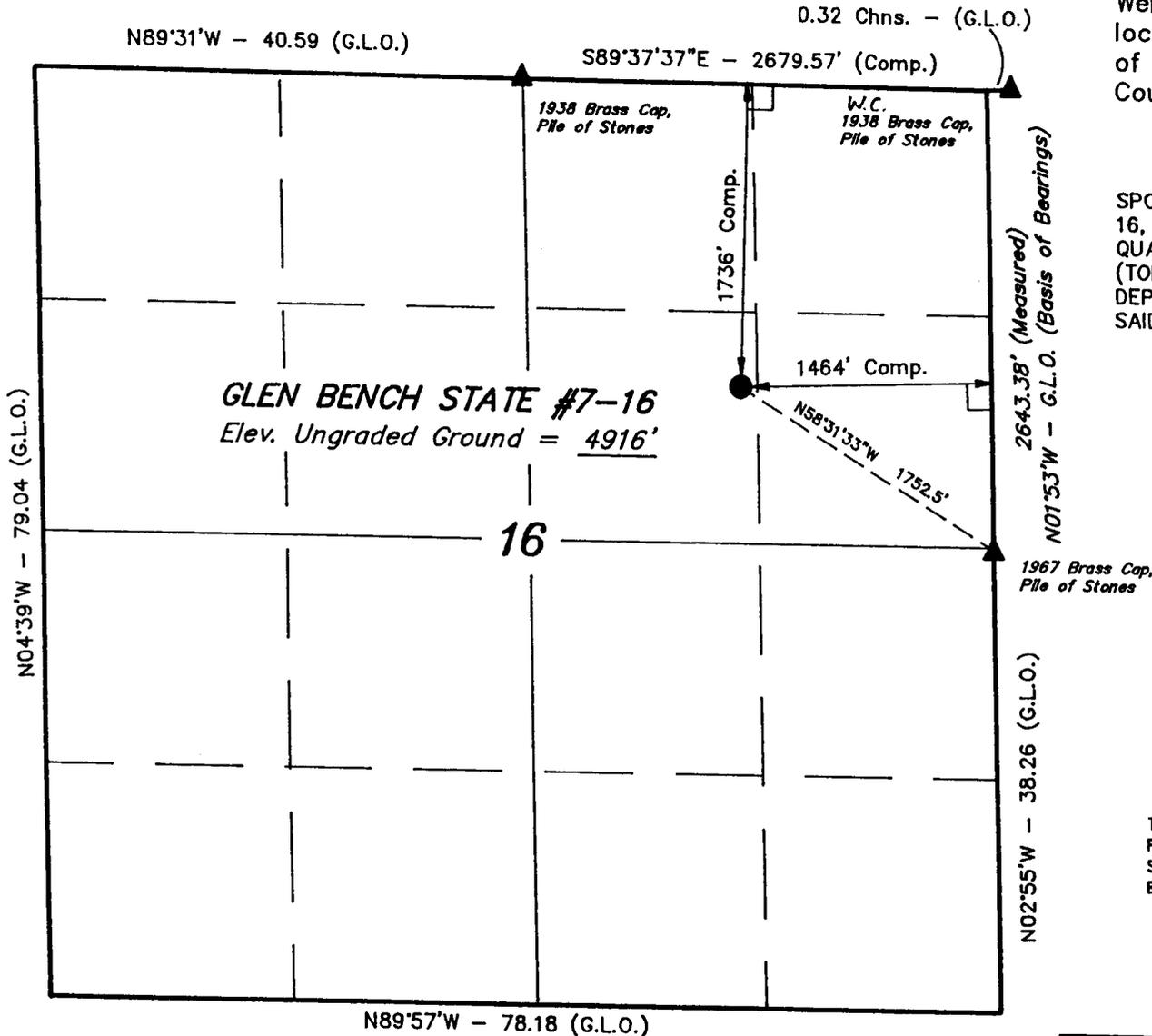
T8S, R22E, S.L.B.&M.

CHANDLER & ASSOCIATES, INC.

Well location, GLEN BENCH STATE #7-16, located as shown in the SW 1/4 NE 1/4 of Section 16, T8S, R22E, S.L.B.&M. Uintah County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 16, T8S, R22E, S.L.B.&M. TAKEN FROM THE RED WASH NW, QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5038 FEET.



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.

Robert L. Kay

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

UINTAH ENGINEERING & LAND SURVEYING 85 SOUTH 200 EAST - VERNAL, UTAH 84078 (801) 789-1017		
SCALE 1" = 1000'	DATE SURVEYED: 10-3-94	DATE DRAWN: 10-14-94
PARTY L.D.T. D.A. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE CHANDLER & ASSOCIATES, INC.	

**CHANDLER & ASSOCIATES, INC.
DRILLING PLAN FOR THE
GLEN BENCH STATE #7-16**

I. DRILLING PLAN:

1. Geological Surface Formation: Uintah

2. Estimated Tops:

<u>Name</u>	<u>Top</u>	<u>Prod. Phase Anticipated</u>
Green River	2819'	
X Marker	4922'	
Glen Bench Sand	5060'	
White River Sand	5317'	Oil
Wasatch	5407'	
TD	5500'	

3. CASING PROGRAM:

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg. Size</u>	<u>Type</u>	<u>Weight</u>
Surface	350'	12-1/4"	8-5/8"	K-55	24#/ft
Prod.	5500	7-7/8"	5-1/2"	K-55	15.5#/ft

4. Operator's Specification for Pressure Control Equipment:

- A. 2,000 psi W.P. Double Gate BOP or Single Gate BOP (Schematic attached).
- B. Functional test daily.
- C. All casing strings shall be pressure-tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. All ram-type preventers and related control equipment shall be tested at the rated working pressure of the stack assembly or at 70 percent of the minimum internal yield pressure of the casing, whichever is less. Tests shall be done at the time of installation, prior to drilling out, and weekly. All tests shall be for a period of 15 minutes.

Chandler & Associates, Inc.
Glen Bench State #7-16

5. Auxiliary Equipment:

- A. Kelly Cock - yes.
- B. Float at the bit - no.
- C. Monitoring equipment on the mud system - visually.
- D. Full opening safety valve on rig floor - yes.
- E. Rotating head - no.

6. Proposed Circulating Medium:

<u>Depth</u>	<u>Mud Type</u>	<u>Density (lb./gal)</u>	<u>Viscosity</u>	<u>Water Loss</u>
0'-350'	Fresh Water with LCM	8.4	30	No control
350'-5000'	Fresh Water with LCM	8.4 - 8.6	30-35	No control
5000'-TD	Chem Gel Mud	8.8	30-35	10 cc or less

7. Testing, Logging, and Coring Program:

- A. Cores - None anticipated.
- B. DST - None anticipated.
- C. Logging - DIL-GR (TD to surface).
 CNL/Litho Density (base of surface to TD)
 Mud Logger (base of surface to TD)
- D. Formation and Completion Interval: Green River interval, final determination of completion will be made by analysis of logs.
 Stimulation - Stimulation will be designed for the particular area of interest as encountered.
- E. Frac gradient - approximately .80 psi/ft.

Chandler & Associates, Inc.
Glen Bench State #7-16

8. Cementing Program:

<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
Surface	265 sx	Class "G" w/2% CaCl ₂ 1/4#/sk cello seal (based on 100% access)
Production	760 sx *	460 sx Super "G" containing 47#/sk Class "G" plus 20#/sk Poz"A" plus 17#/sk CSE plus 3% salt plus 2% Gel followed by 300 sx Class "G" containing 0.15% WR-15 (Retarder)

Cement Characteristics:

Class "G" - yeild = 1.18 cu.ft. per. sack
weight = 15.8 lb./gal
strength = 3200 psi in 72 hrs @ 135 degrees

Super "G" - yeild = 2.76 cu.ft. per. sack
weight = 11.08 lb./gal
strength = 630 psi in 72 hrs @ 135 degrees

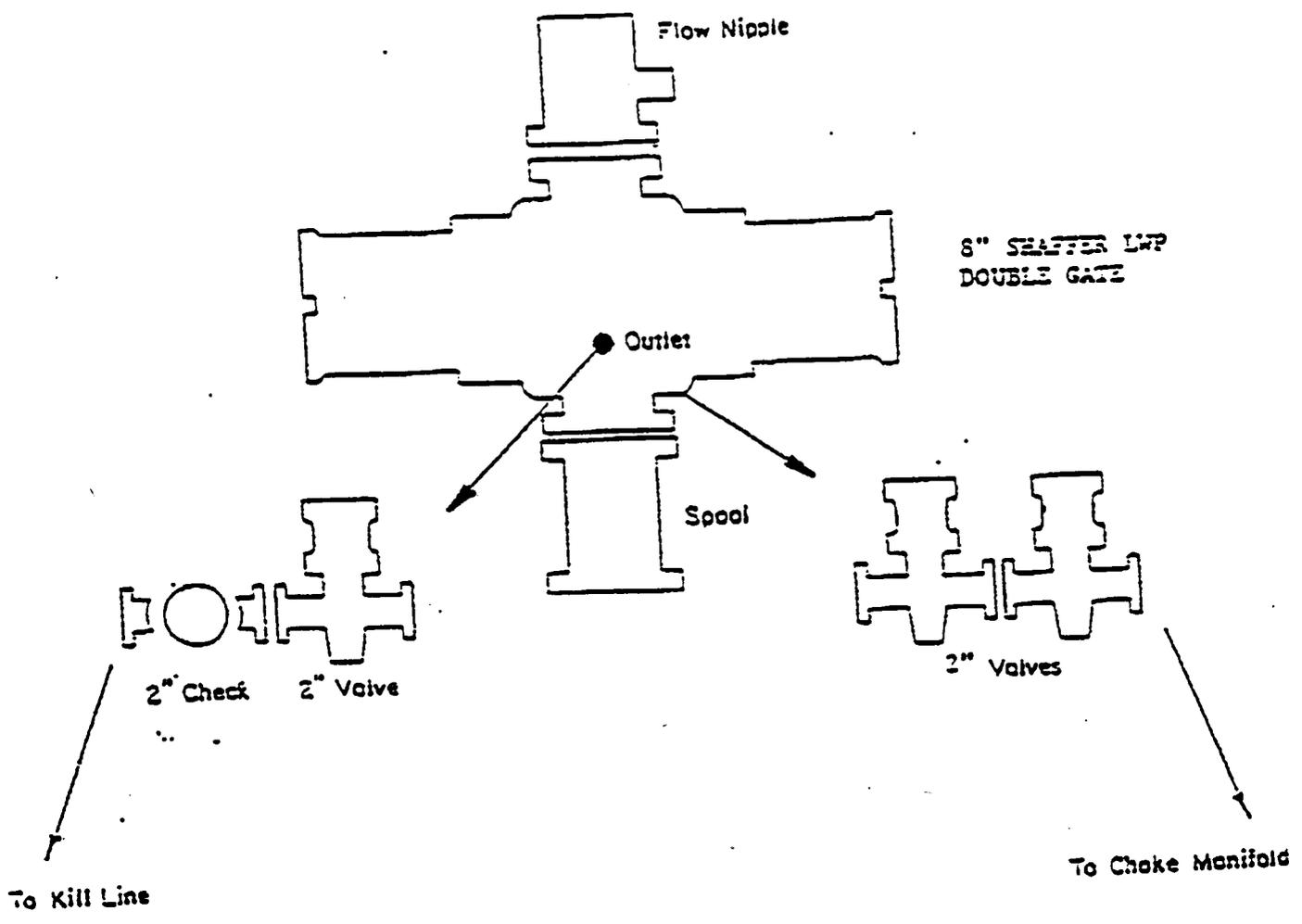
* Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to surface.

A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

9. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards:

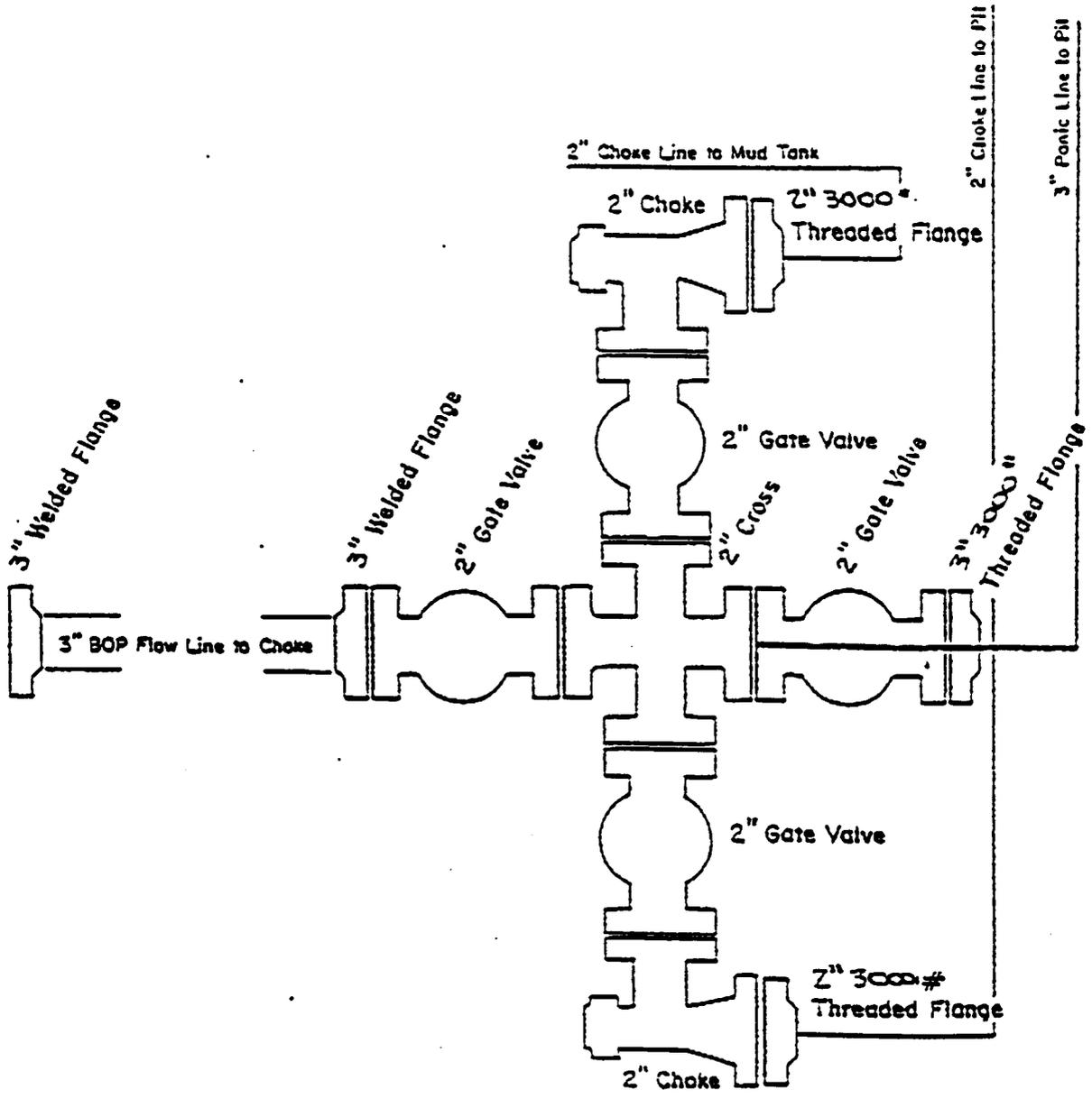
No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 1,600 psi (calculated at 0.301 psi/ft) and maximum anticipated surface pressure equals approximately 430 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

CHANDLER DRILLING
RIG NO.7



CHANDLER DRILLING

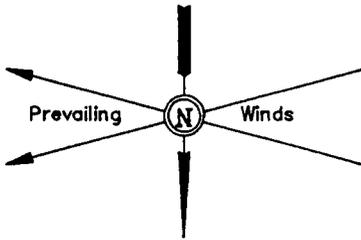
RIG NO.7



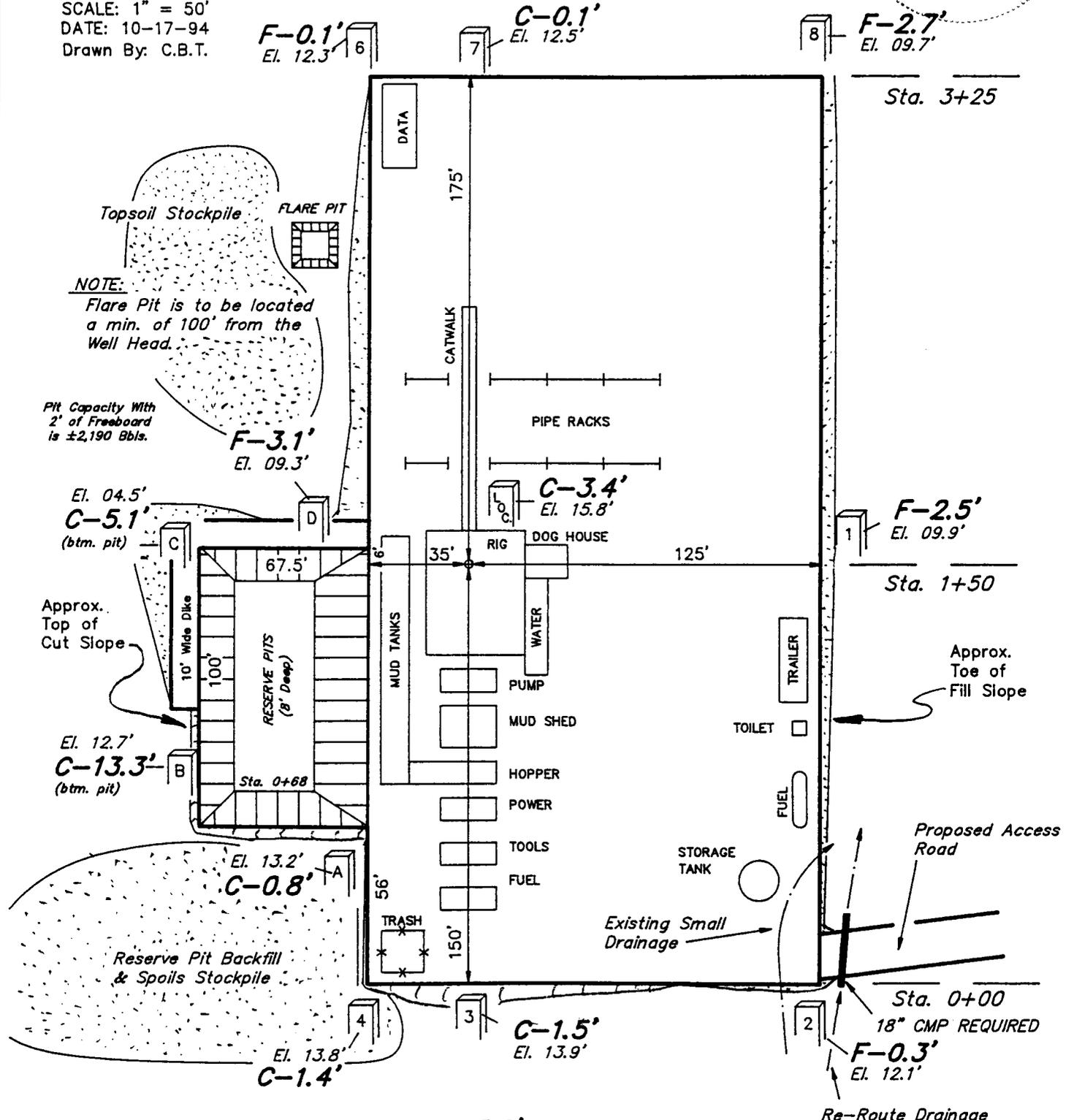
CHANDLER & ASSOCIATES, INC.

LOCATION LAYOUT FOR

GLEN BENCH STATE #7-16
SECTION 16, T8S, R22E, S.L.B.&M.
1736' FNL 1464' FEL



SCALE: 1" = 50'
DATE: 10-17-94
Drawn By: C.B.T.



NOTE:
Flare Pit is to be located
a min. of 100' from the
Well Head.

Pit Capacity With
2' of Freeboard
is ±2,190 Bbls.

Approx.
Top of
Cut Slope

Approx.
Toe of
Fill Slope

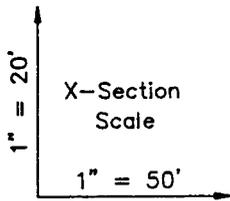
Elev. Ungraded Ground at Location Stake = 4915.8'

Elev. Graded Ground at Location Stake = 4912.4'

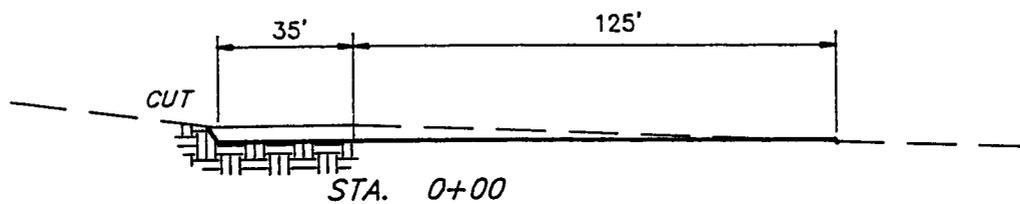
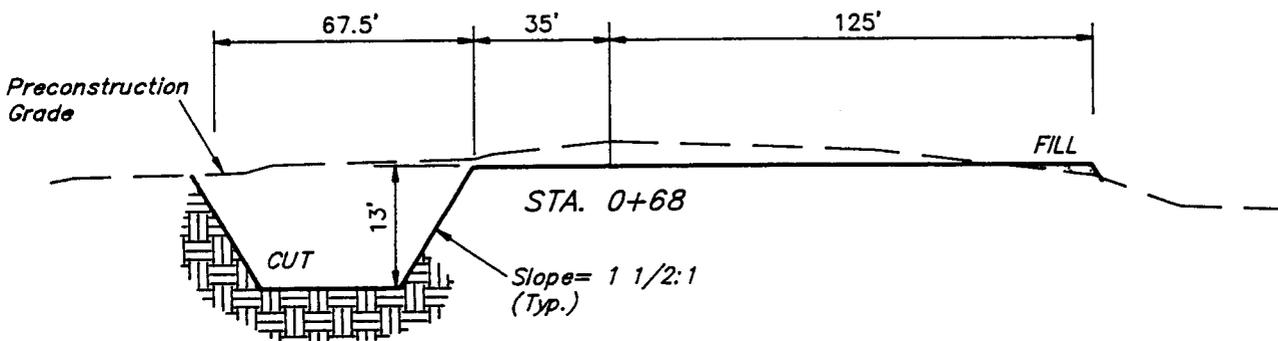
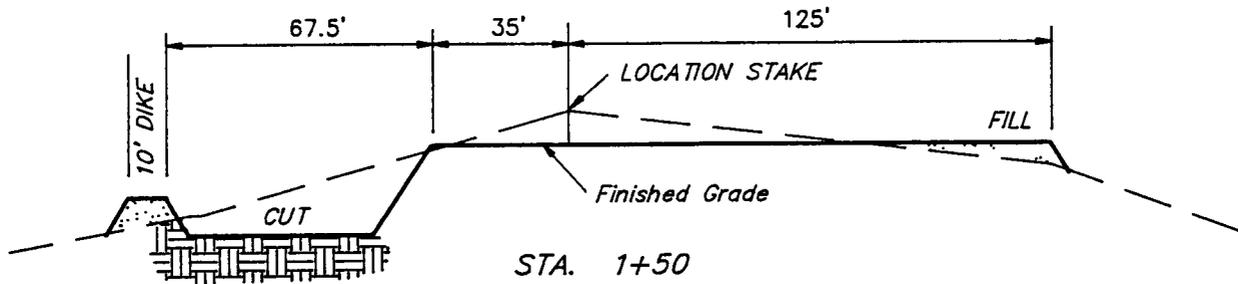
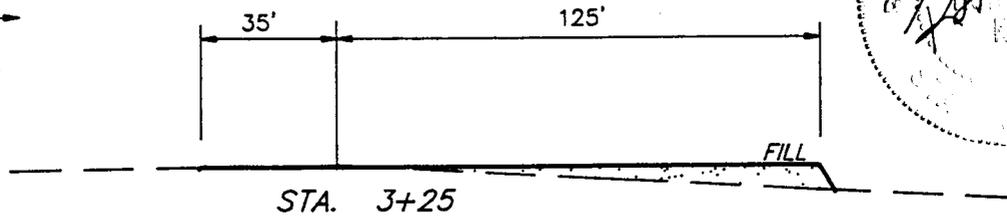
CHANDLER & ASSOCIATES, INC.

LOCATION LAYOUT FOR

GLEN BENCH STATE #7-16
SECTION 16, T8S, R22E, S.L.B.&M.
1736' FNL 1464' FEL



DATE: 10-17-94
Drawn By: C.B.T.



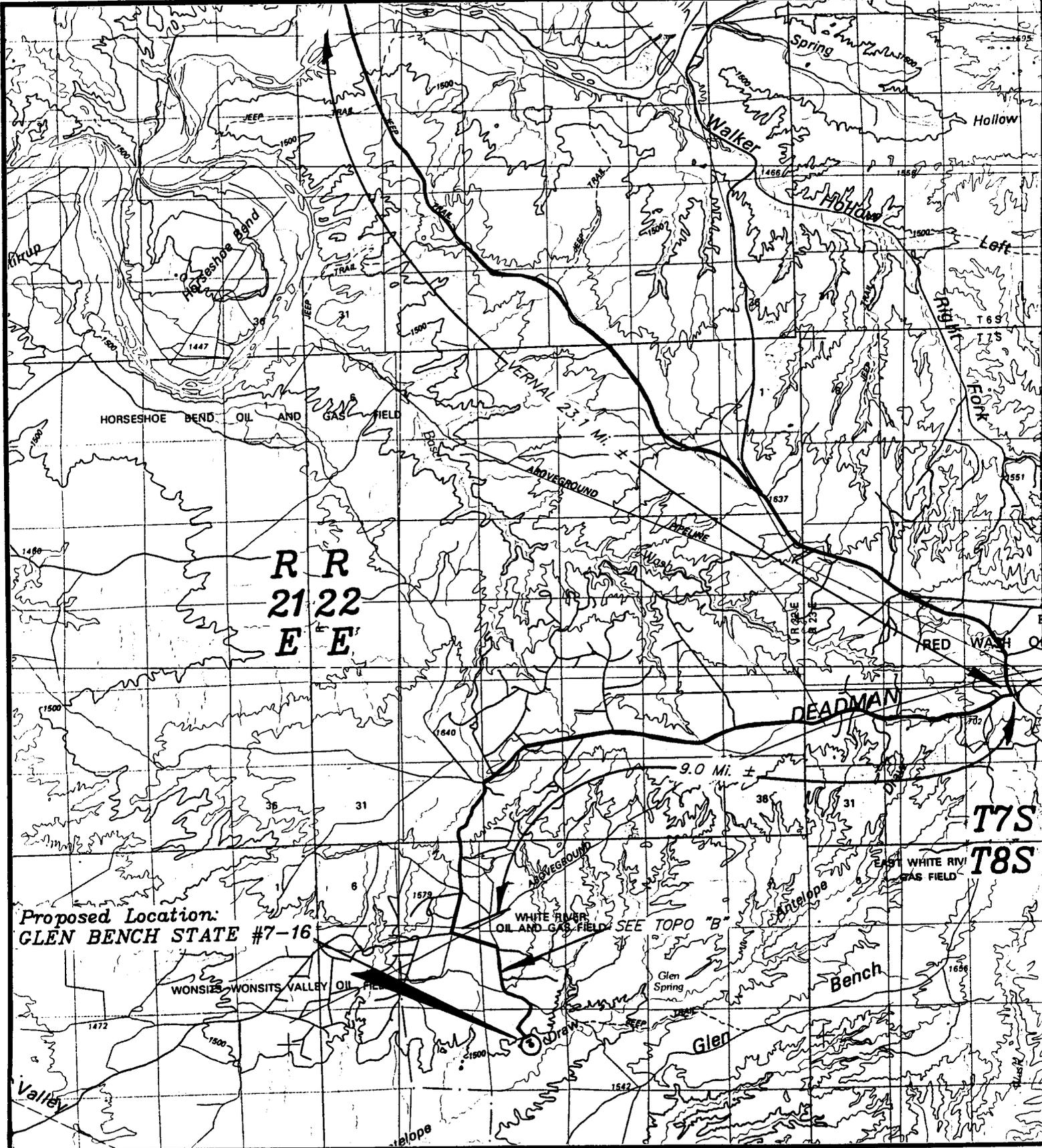
NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,070 Cu. Yds.
Remaining Location	=	2,790 Cu. Yds.
TOTAL CUT	=	3,860 CU.YDS.
FILL	=	2,050 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	1,700 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,700 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.



TOPOGRAPHIC
MAP "A"

CHANDLER & ASSOCIATES, INC.

GLEN BENCH STATE #7-16
SECTION 16, T8S, R22E, S.L.B.&M
1736' FNL 1464' FEL

DATE: 10/14/94 D.C.



CONFIDENTIAL

Form 3160-3
(November 1983)
(formerly 9-331C)

SUBMIT IN TRIPPLICATE*
(Other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0136
Expires August 31, 1985

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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
 Chandler & Associates, Inc.

3. ADDRESS OF OPERATOR
 475 Seventeenth Street, Suite 1000 Denver, Colorado 80202
 Phone #(303)295-0400

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
 At surface
 1736' FNL 1464' FEL (SW $\frac{1}{4}$ NE $\frac{1}{4}$)
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
 See Topo Map "A"

10. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 1464'

13. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2250'

16. NO. OF ACRES IN LEASE 640

17. NO. OF ACRES ASSIGNED TO THIS WELL 40

19. PROPOSED DEPTH 5500

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
 4916 GR.

22. APPROX. DATE WORK WILL START*
 A.S.A.P.

5. LEASE DESIGNATION AND SERIAL NO.
 ML - 22049

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

7. UNIT AGREEMENT NAME
 N/A

8. FARM OR LEASE NAME
 Glen Bench State

9. WELL NO.
 #7-16

10. FIELD AND POOL, OR WILDCAT
 Glen Bench

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
 Sec. 16, T8S, R22E, S.L.B. & M.

12. COUNTY OR PARISH 13. STATE
 Uintah Utah

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	350'	(See attached Drilling Plan)
7 7/8"	5 1/2"	15.5#	5500'	(See attached Drilling Plan)

- M.I.R.U.
- Drill to T.D. 5500'
- Run 5 $\frac{1}{2}$ " casing if commercial production is indicated.
- If dry hole, well will be plugged and abandoned as instructed by the BLM.
- Well will be drilled with fresh water to 5000' then Chem Gel Mud to T.D. Mud will be in place to run 5 $\frac{1}{2}$ " casing.

I hereby certify that I am responsible by the terms and conditions of the Lease to conduct Lease Operations. Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Chandler & Associates, Inc., B.L.M. Bond #2396118, with Reichart Silversmith.

Aetna State Bond 19819040790

RECEIVED
17 1994
DIV OF OIL, GAS & MINING

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.

SIGNED Robert L. Kay, B.L.M. TITLE Agent for Chandler & Assoc. DATE November 16, 1994

(This space for Federal or State office use)

PERMIT NO. 43-047-32582

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

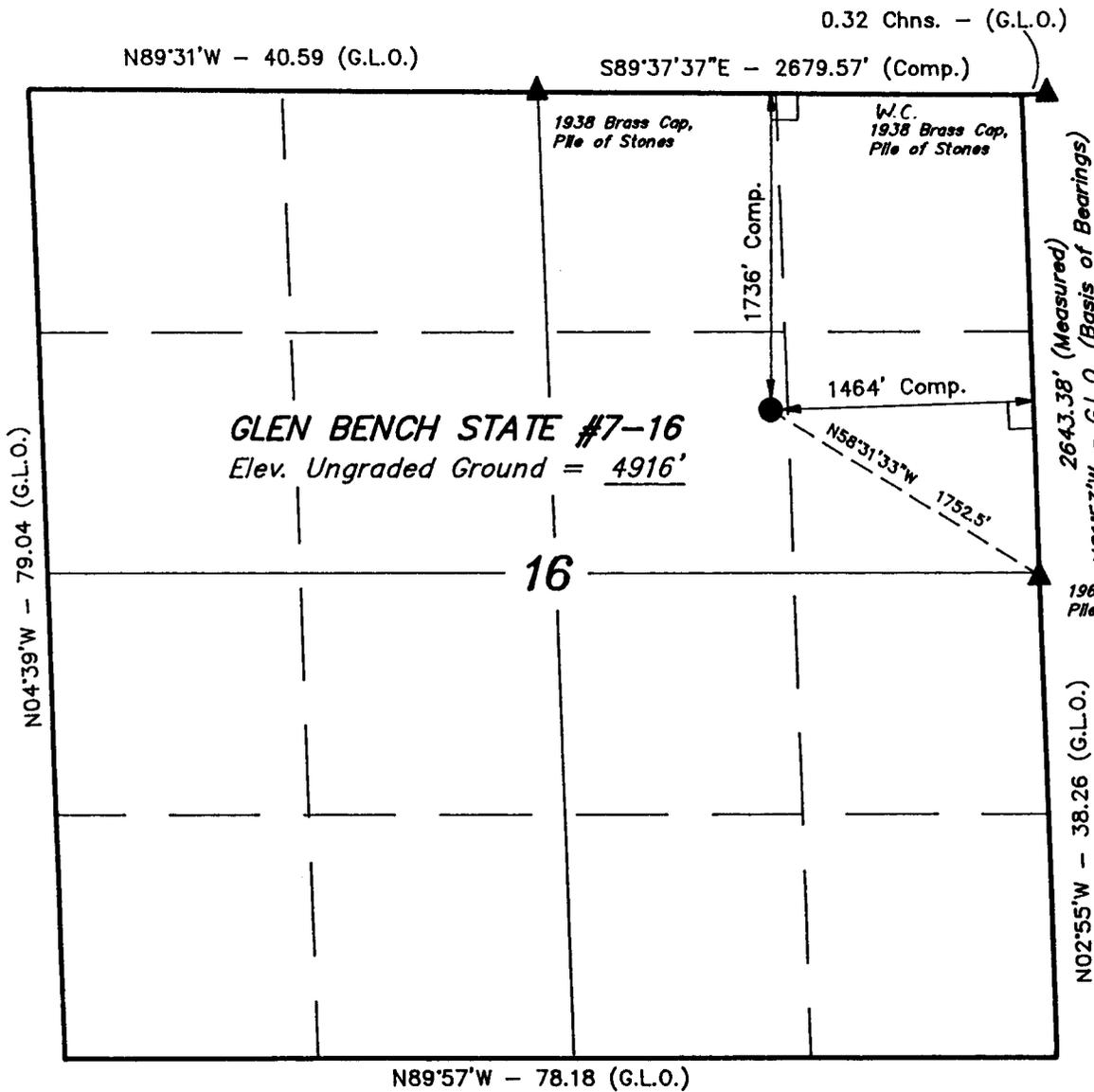
DATE: 11/16/94
BY: Tom Matthews
WELL SPACING: R649-3-3

*See Instructions On Reverse Side

T8S, R22E, S.L.B.&M.

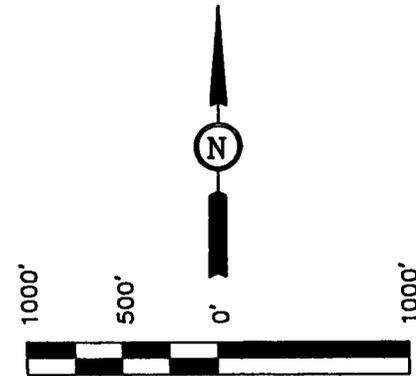
CHANDLER & ASSOCIATES, INC.

Well location, GLEN BENCH STATE #7-16, located as shown in the SW 1/4 NE 1/4 of Section 16, T8S, R22E, S.L.B.&M. Uintah County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 16, T8S, R22E, S.L.B.&M. TAKEN FROM THE RED WASH NW, QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5038 FEET.



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Robert L Kay

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(801) 789-1017

LEGEND:

- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 10-3-94	DATE DRAWN: 10-14-94
PARTY L.D.T. D.A. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE CHANDLER & ASSOCIATES, INC.	

DRILLING LOCATION ASSESSMENT

State of Utah
Division of Oil, Gas and Mining

OPERATOR: CHANDLER & ASSOC. INC. WELL NAME: GLEN BENCH STATE
#7-16
SECTION: 16 TWP: 8S RNG: 22E LOC: 1736' FNL 1464' FEL
QTR/QTR SW/NE COUNTY: UINTAH FIELD: WHITE RIVER
SURFACE OWNER: STATE OF UTAH
SURFACE AGREEMENT: AS PER STATE LANDS
SPACING: F SECTION LINE F QTR/QTR LINE F ANOTHER WELL
INSPECTOR: DAVID W. HACKFORD DATE AND TIME: 11/21/94 8:30 AM

PARTICIPANTS: DAVID HACKFORD (DOGM), JIM SIMINGTON (CHANDLER),
DOYLE ALLRED (UINTAH ENGINEERING), BRENT STUBBS (STUBBS
CONSTRUCTION).

REGIONAL SETTING/TOPOGRAPHY: SITE IS ON A BARE KNOLL IN AN AREA
OF ROLLING HILLS AND 30' DEEP GULLIES. ANTELOPE DRAW IS ONE HALF
MILE SOUTHEAST.

LAND USE:

CURRENT SURFACE USE: LIVESTOCK GRAZING WITH SOME WILDLIFE USE IN
THE AREA. SITE WOULD SEE ONLY OCCASIONAL USE WHEN ANIMALS PASS
THROUGH.

PROPOSED SURFACE DISTURBANCE: LOCATION 325' X 220' WITH 0.5 MILE
ACCESS ROAD.

AFFECTED FLOODPLAINS AND/OR WETLANDS: AREA IS NOT A FLOODPLAIN
BUT COULD SEE RUNOFF DURING OR AFTER RAIN STORMS.

FLORA/FAUNA: NO VEGETATION AT ALL; ANTELOPE, COYOTES, RABBITS,
SMALL BIRDS, RAPTORS, REPTILES, DEER.

ENVIRONMENTAL PARAMETERS

SURFACE GEOLOGY

SOIL TYPE AND CHARACTERISTICS: LIGHT RED CLAY.

SURFACE FORMATION & CHARACTERISTICS:

EROSION/SEDIMENTATION/STABILITY: EROSION IS VERY EVIDENT AND
COULD BE A PROBLEM AT THIS SITE IF LOCATION IS NOT PROTECTED.
SEDIMENTATION AND STABILITY SHOULD NOT BE A PROBLEM.

PALEONTOLOGICAL POTENTIAL: NONE

SUBSURFACE GEOLOGY

OBJECTIVES/DEPTHS: GREEN RIVER FORMATION AT 5500' TD

ABNORMAL PRESSURES-HIGH AND LOW: NONE EXPECTED.

CULTURAL RESOURCES/ARCHAEOLOGY: SITE HAS BEEN ARCED BY CARL CONNER WITH THE GRAND RIVER INSTITUTE. A REPORT SHOULD BE SENT TO DOGM.

CONSTRUCTION MATERIALS: CUT AND FILL AS NECESSARY.

SITE RECLAMATION: AS REQUIRED BY STATE LANDS.

RESERVE PIT

CHARACTERISTICS: 100' X 67.5' AND 8' DEEP. CAPACITY: 2190 BBLs. WITH 2' FREEBOARD.

LINING: A PLASTIC LINER WILL NOT BE NECESSARY.

MUD PROGRAM: GEL BASE WATER WITH AN EXPECTED MUD WEIGHT OF 8.8 PPG.

**DRILLING WATER SUPPLY: VERNAL CITY WATER FROM A-1 TANK.
PERMIT # 53617-43-8496.**

OTHER OBSERVATIONS

STIPULATIONS FOR APD APPROVAL RESERVE PIT PLACED ON EAST SIDE OF LOCATION. LOCATION TO BE SURROUNDED WITH A 12" TO 18" SOIL BERM.

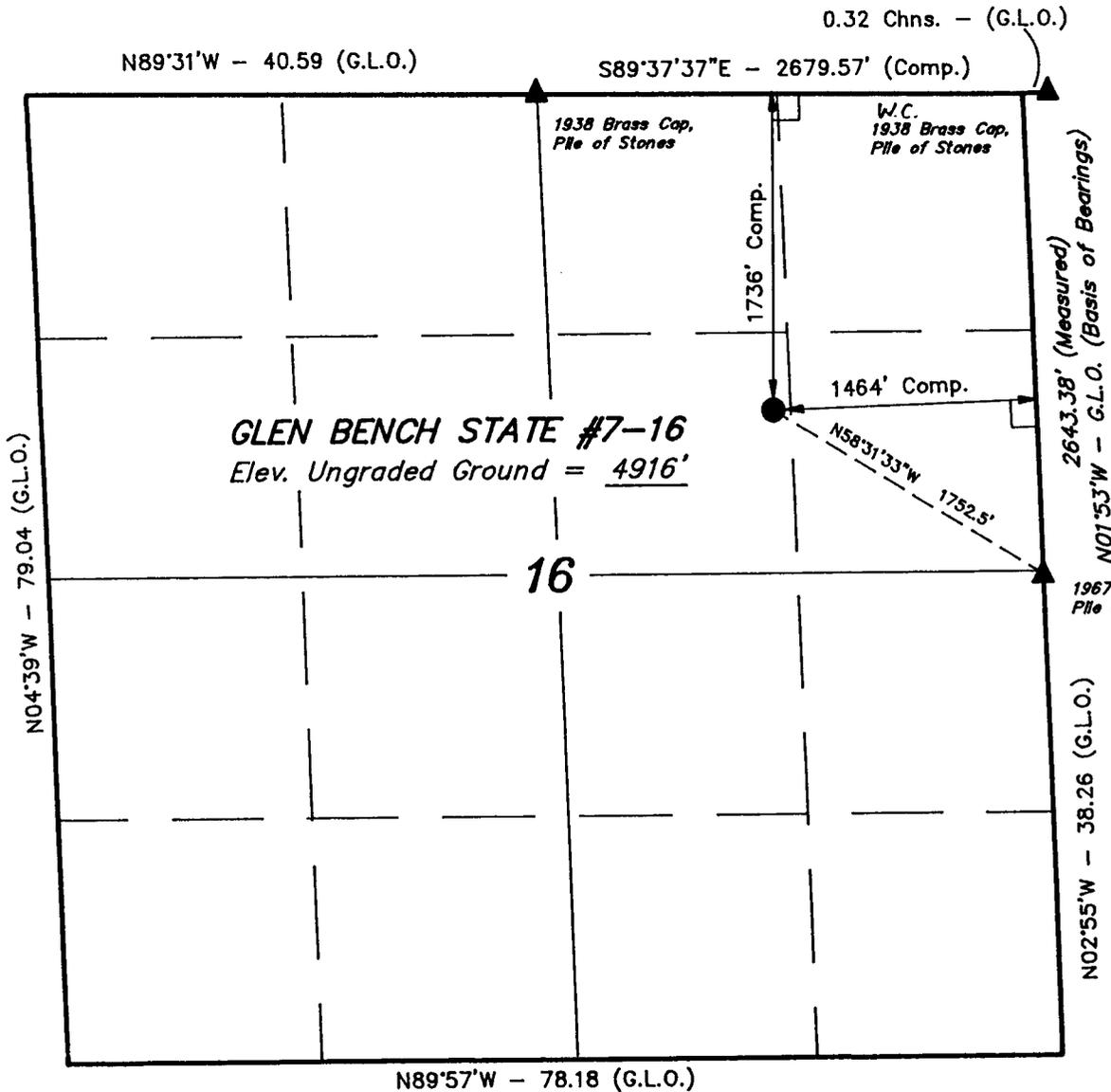
ATTACHMENTS

PHOTOGRAPHS WILL BE PLACED ON FILE.

T8S, R22E, S.L.B.&M.

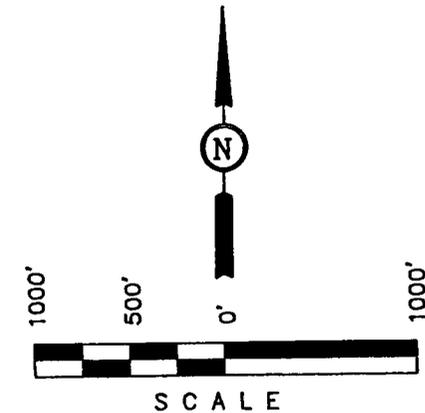
CHANDLER & ASSOCIATES, INC.

Well location, GLEN BENCH STATE #7-16, located as shown in the SW 1/4 NE 1/4 of Section 16, T8S, R22E, S.L.B.&M. Uintah County, Utah.



BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHWEST CORNER OF SECTION 16, T8S, R22E, S.L.B.&M. TAKEN FROM THE RED WASH NW, QUADRANGLE, UTAH, UINTAH COUNTY 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5038 FEET.



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.

Robert L Kay

REGISTERED LAND SURVEYOR
REGISTRATION NO. 181319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING

85 SOUTH 200 EAST - VERNAL, UTAH 84078

(801) 789-1017

LEGEND:

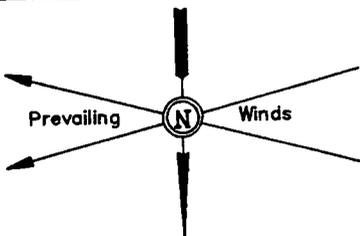
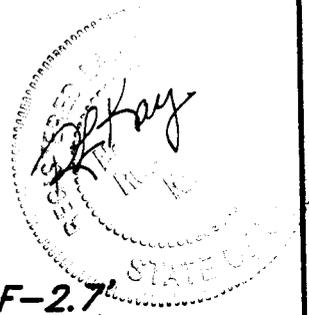
- = 90° SYMBOL
- = PROPOSED WELL HEAD.
- = SECTION CORNERS LOCATED.

SCALE 1" = 1000'	DATE SURVEYED: 10-3-94	DATE DRAWN: 10-14-94
PARTY L.D.T. D.A. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER COOL	FILE CHANDLER & ASSOCIATES, INC.	

CHANDLER & ASSOCIATES, INC.

LOCATION LAYOUT FOR

GLEN BENCH STATE #7-16
SECTION 16, T8S, R22E, S.L.B.&M.
1736' FNL 1464' FEL



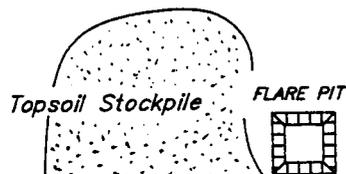
SCALE: 1" = 50'
DATE: 10-17-94
Drawn By: C.B.T.

F-0.1' El. 12.3'

C-0.1' El. 12.5'

F-2.7' El. 09.7'

Sta. 3+25



NOTE:
Flare Pit is to be located a min. of 100' from the Well Head.

Pit Capacity With 2' of Freeboard is ±2,190 Bbls.

F-3.1' El. 09.3'

El. 04.5'
C-5.1' (btm. pit)

C-3.4' El. 15.8'

F-2.5' El. 09.9'

Sta. 1+50

Approx. Top of Cut Slope

Approx. Toe of Fill Slope

El. 12.7'
C-13.3' (btm. pit)

El. 13.2'
C-0.8'

Reserve Pit Backfill & Spoils Stockpile

El. 13.8'
C-1.4'

C-1.5' El. 13.9'

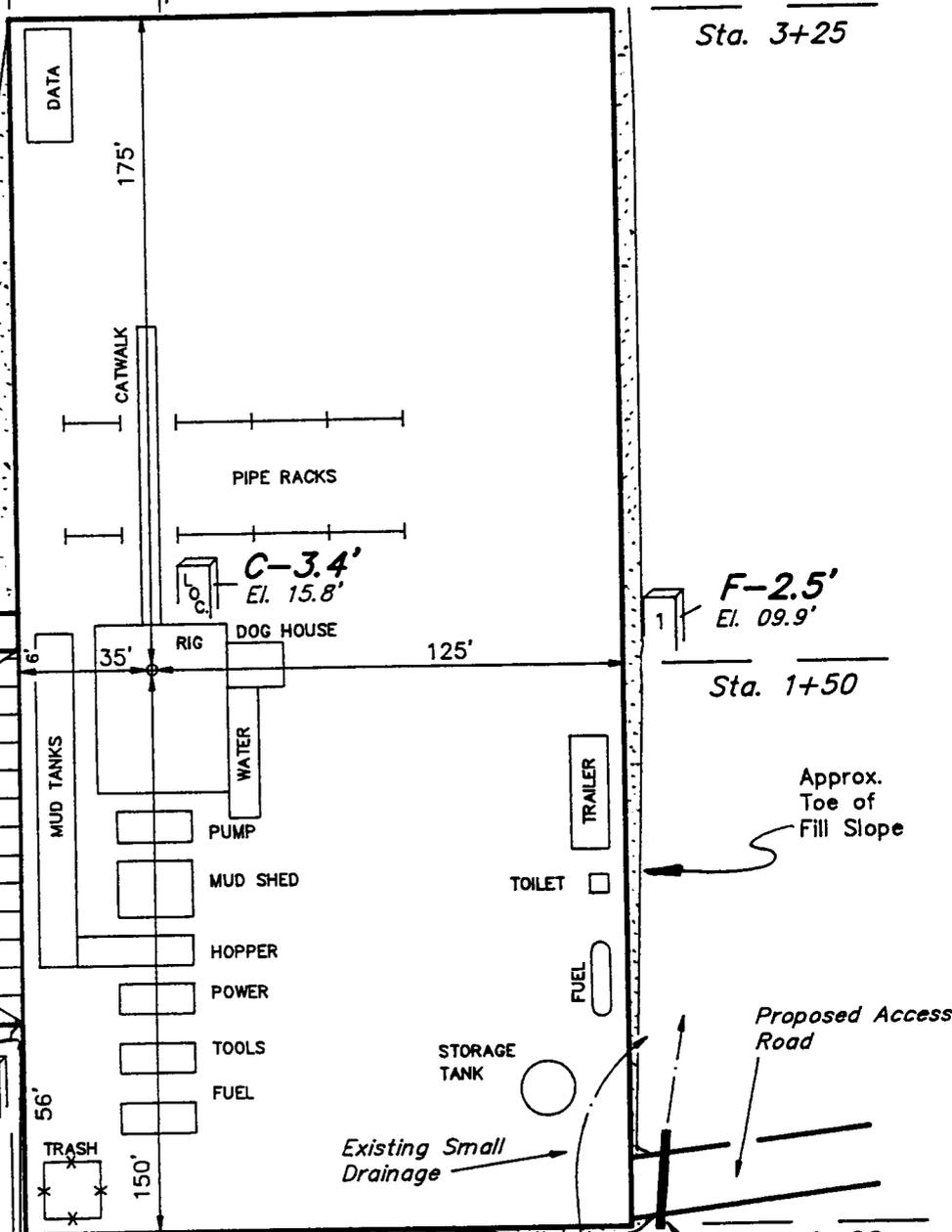
F-0.3' El. 12.1'

Re-Route Drainage

Elev. Ungraded Ground at Location Stake = 4915.8'

Elev. Graded Ground at Location Stake = 4912.4'

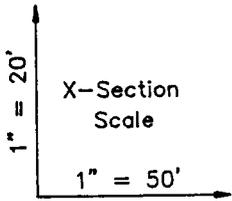
UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



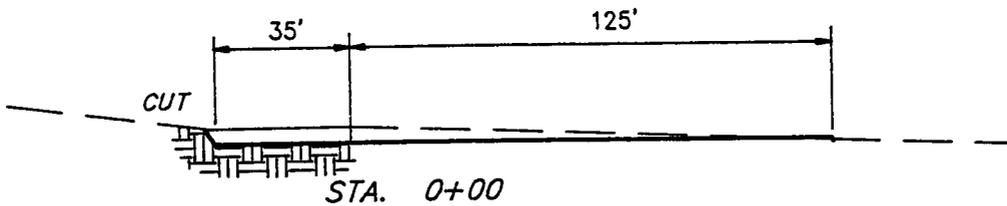
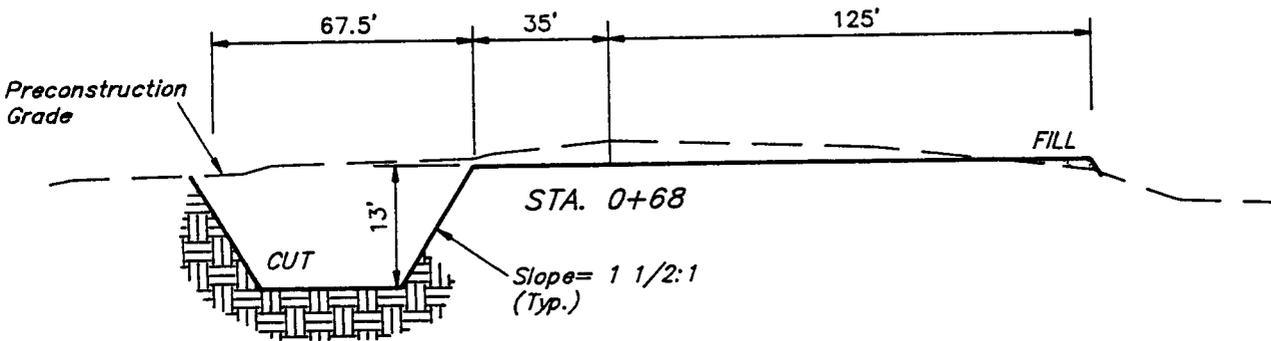
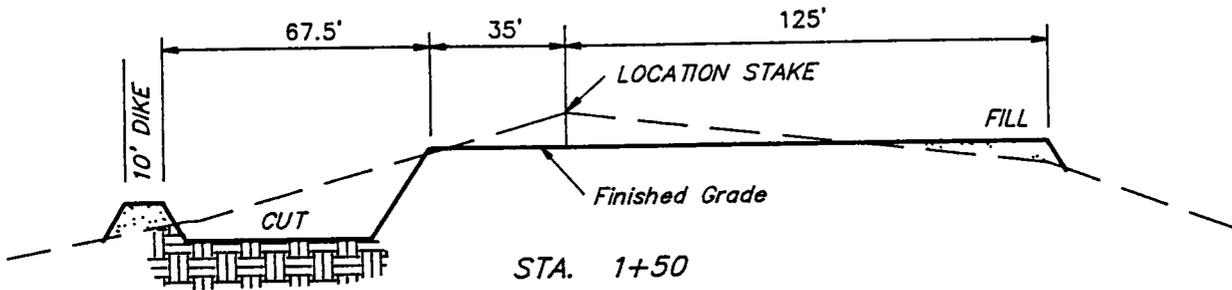
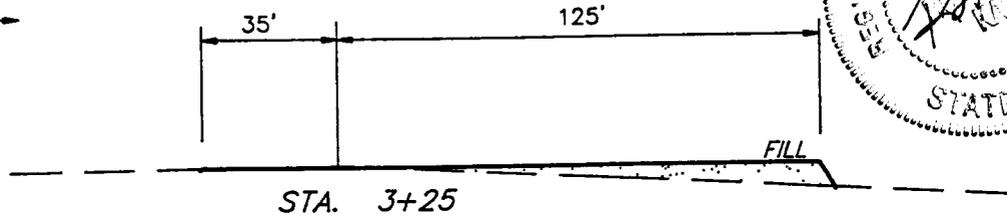
CHANDLER & ASSOCIATES, INC.

LOCATION LAYOUT FOR

GLEN BENCH STATE #7-16
SECTION 16, T8S, R22E, S.L.B.&M.
1736' FNL 1464' FEL



DATE: 10-17-94
Drawn By: C.B.T.



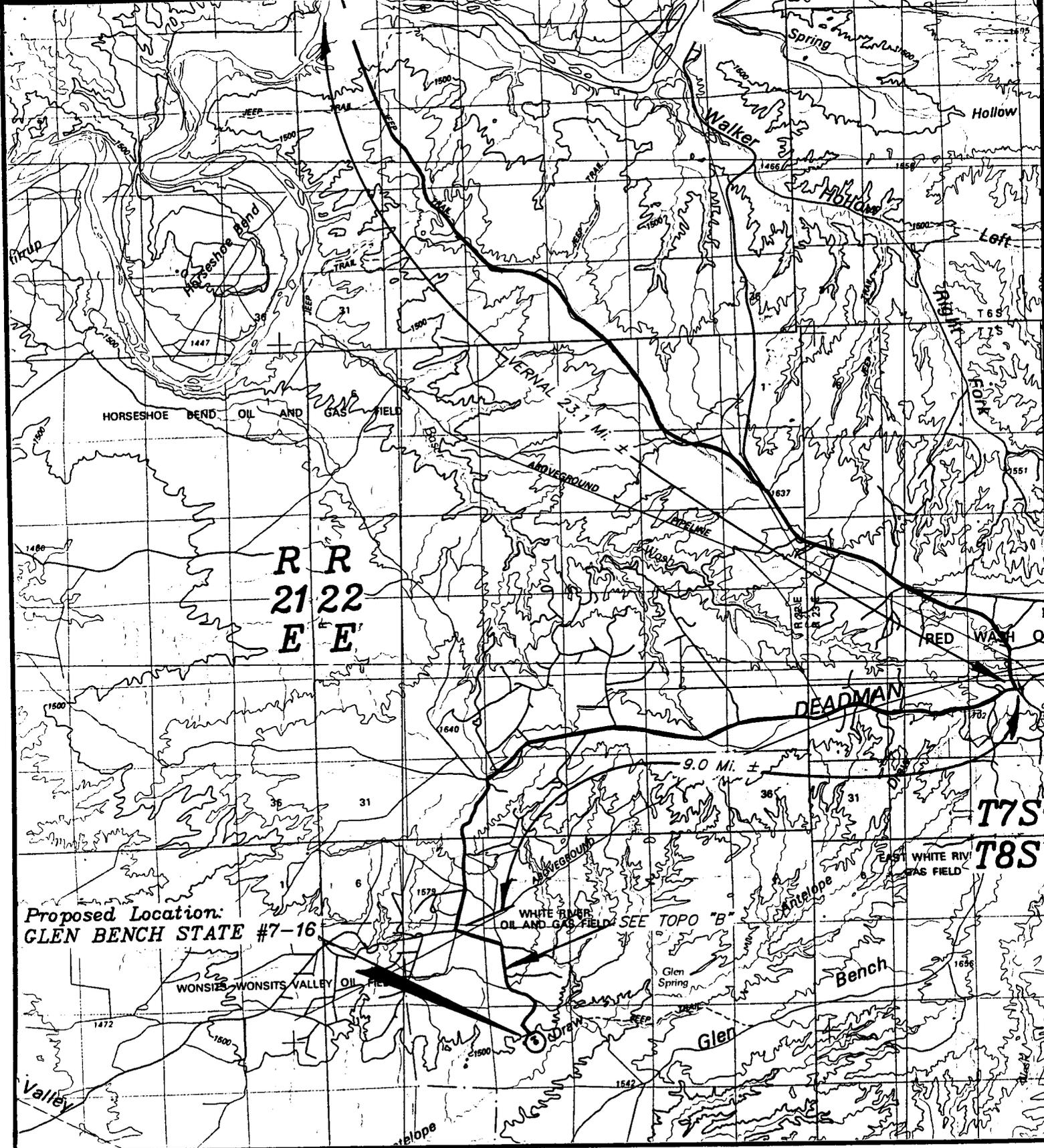
NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,070 Cu. Yds.
Remaining Location	=	2,790 Cu. Yds.
TOTAL CUT	=	3,860 CU.YDS.
FILL	=	2,050 CU.YDS.

EXCESS MATERIAL AFTER 5% COMPACTION	=	1,700 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	1,700 Cu. Yds.
EXCESS UNBALANCE (After Rehabilitation)	=	0 Cu. Yds.



TOPOGRAPHIC
MAP "A"



CHANDLER & ASSOCIATES, INC.

GLEN BENCH STATE #7-16
SECTION 16, T8S, R22E, S.L.B.&M
1736' FNL 1464' FEL

DATE: 10/14/94 D.C.

**CHANDLER & ASSOCIATES, INC.
DRILLING PLAN FOR THE
GLEN BENCH STATE #7-16**

I. DRILLING PLAN:

1. Geological Surface Formation: Uintah

2. Estimated Tops:

<u>Name</u>	<u>Top</u>	<u>Prod. Phase Anticipated</u>
Green River	2819'	
X Marker	4922'	
Glen Bench Sand	5060'	
White River Sand	5317'	Oil
Wasatch	5407'	
TD	5500'	

3. CASING PROGRAM:

	<u>Depth</u>	<u>Hole Size</u>	<u>Csg. Size</u>	<u>Type</u>	<u>Weight</u>
Surface	350'	12-1/4"	8-5/8"	K-55	24#/ft
Prod.	5500	7-7/8"	5-1/2"	K-55	15.5#/ft

4. Operator's Specification for Pressure Control Equipment:

- A. 2,000 psi W.P. Double Gate BOP or Single Gate BOP (Schematic attached).
- B. Functional test daily.
- C. All casing strings shall be pressure-tested (0.2 psi/foot or 1500 psi, whichever is greater) prior to drilling the plug after cementing; test pressure shall not exceed the internal yield pressure of the casing.
- D. All ram-type preventers and related control equipment shall be tested at the rated working pressure of the stack assembly or at 70 percent of the minimum internal yield pressure of the casing, whichever is less. Tests shall be done at the time of installation, prior to drilling out, and weekly. All tests shall be for a period of 15 minutes.

Chandler & Associates, Inc.
Glen Bench State #7-16

5. Auxiliary Equipment:

- A. Kelly Cock - yes.
- B. Float at the bit - no.
- C. Monitoring equipment on the mud system - visually.
- D. Full opening safety valve on rig floor - yes.
- E. Rotating head - no.

6. Proposed Circulating Medium:

<u>Depth</u>	<u>Mud Type</u>	<u>Density (lb./gal)</u>	<u>Viscosity</u>	<u>Water Loss</u>
0'-350'	Fresh Water with LCM	8.4	30	No control
350'-5000'	Fresh Water with LCM	8.4 - 8.6	30-35	No control
5000'-TD	Chem Gel Mud	8.8	30-35	10 cc or less

7. Testing, Logging, and Coring Program:

- A. Cores - None anticipated.
- B. DST - None anticipated.
- C. Logging - DIL-GR (TD to surface).
 CNL/Litho Density (base of surface to TD)
 Mud Logger (base of surface to TD)
- D. Formation and Completion Interval: Green River
 interval, final determination of completion will be
 made by analysis of logs.
 Stimulation - Stimulation will be designed for the
 particular area of interest as encountered.
- E. Frac gradient - approximately .80 psi/ft.

Chandler & Associates, Inc.
Glen Bench State #7-16

8. Cementing Program:

<u>Casing</u>	<u>Volume</u>	<u>Type & Additives</u>
Surface	265 sx	Class "G" w/2% CaCl ₂ 1/4#/sk cello seal (based on 100% access)
Production	760 sx *	460 sx Super "G" containing 47#/sk Class "G" plus 20#/sk Poz"A" plus 17#/sk CSE plus 3% salt plus 2% Gel followed by 300 sx Class "G" containing 0.15% WR-15 (Retarder)

Cement Characteristics:

Class "G" - yeild = 1.18 cu.ft. per. sack
weight = 15.8 lb./gal
strength = 3200 psi in 72 hrs @ 135 degrees
Super "G" - yeild = 2.76 cu.ft. per. sack
weight = 11.08 lb./gal
strength = 630 psi in 72 hrs @ 135 degrees

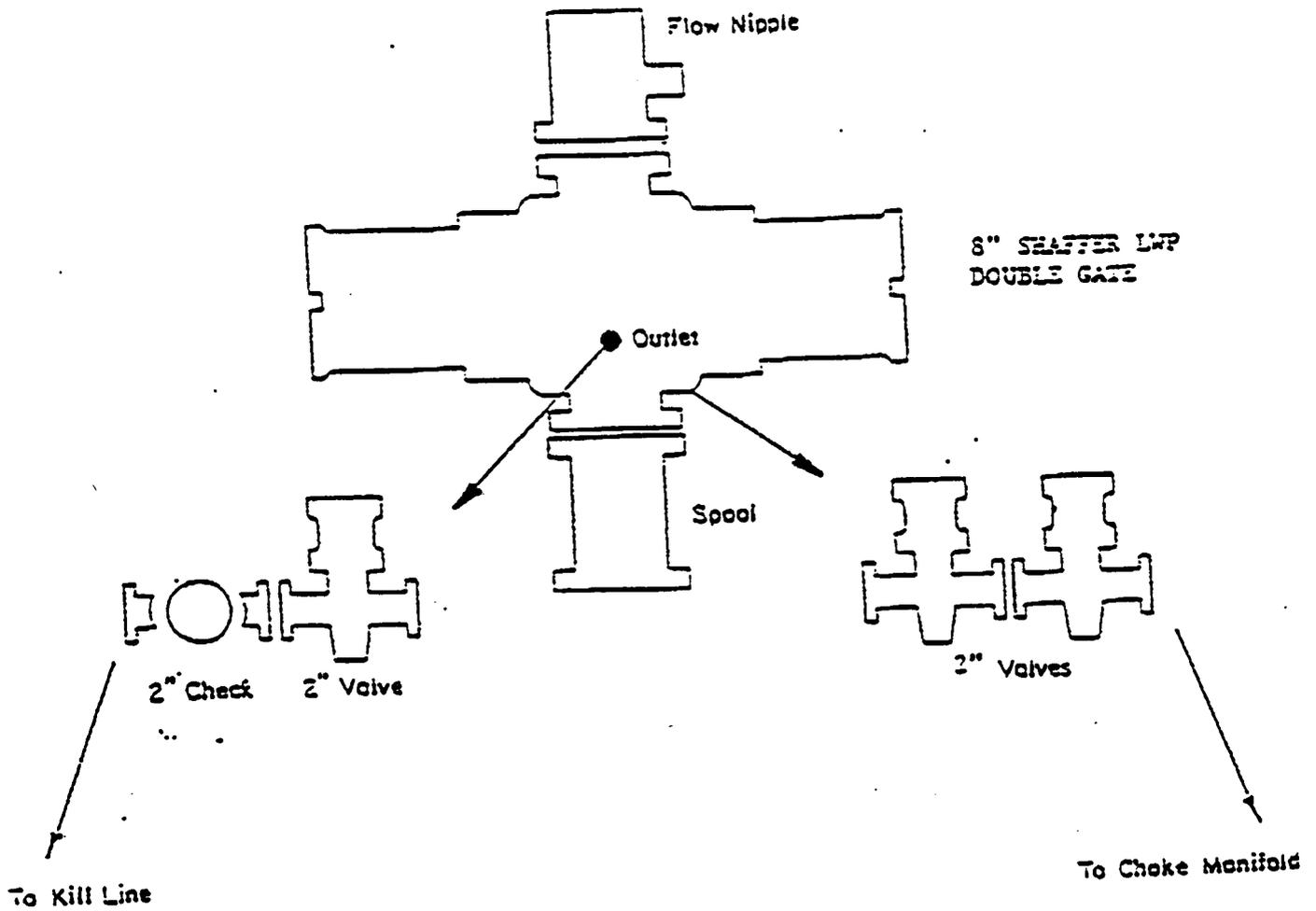
* Final cement volumes to be calculated from caliper log with an attempt to be made to circulate cement to surface.

A bond log will be run across the zone of interest and across zones as required by the authorized officer to insure protection of natural resources.

9. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards:

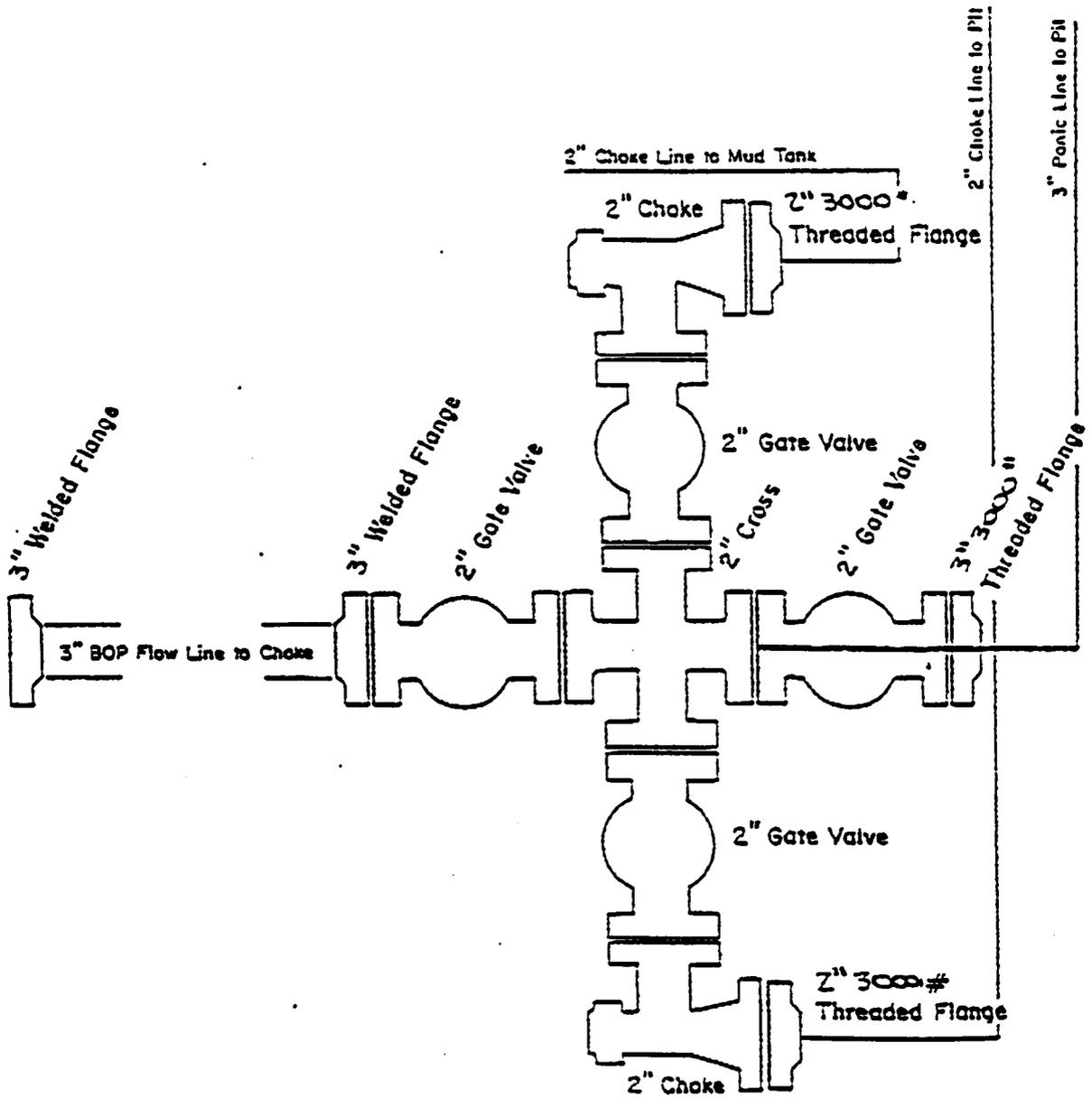
No abnormal temperatures or pressures are anticipated. No H₂S has been encountered in or known to exist from previous wells drilled to similar depths in the general area. Maximum anticipated bottom hole pressure equals approximately 1,600 psi (calculated at 0.301 psi/ft) and maximum anticipated surface pressure equals approximately 430 psi (bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/ft).

CHANDLER DRILLING
RIG NO.7



CHANDLER DRILLING

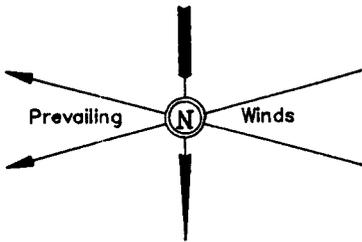
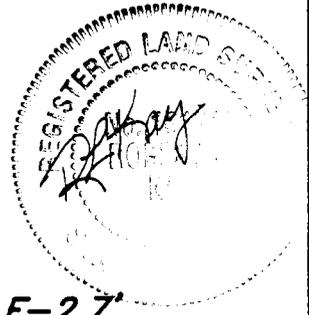
RIG NO.7



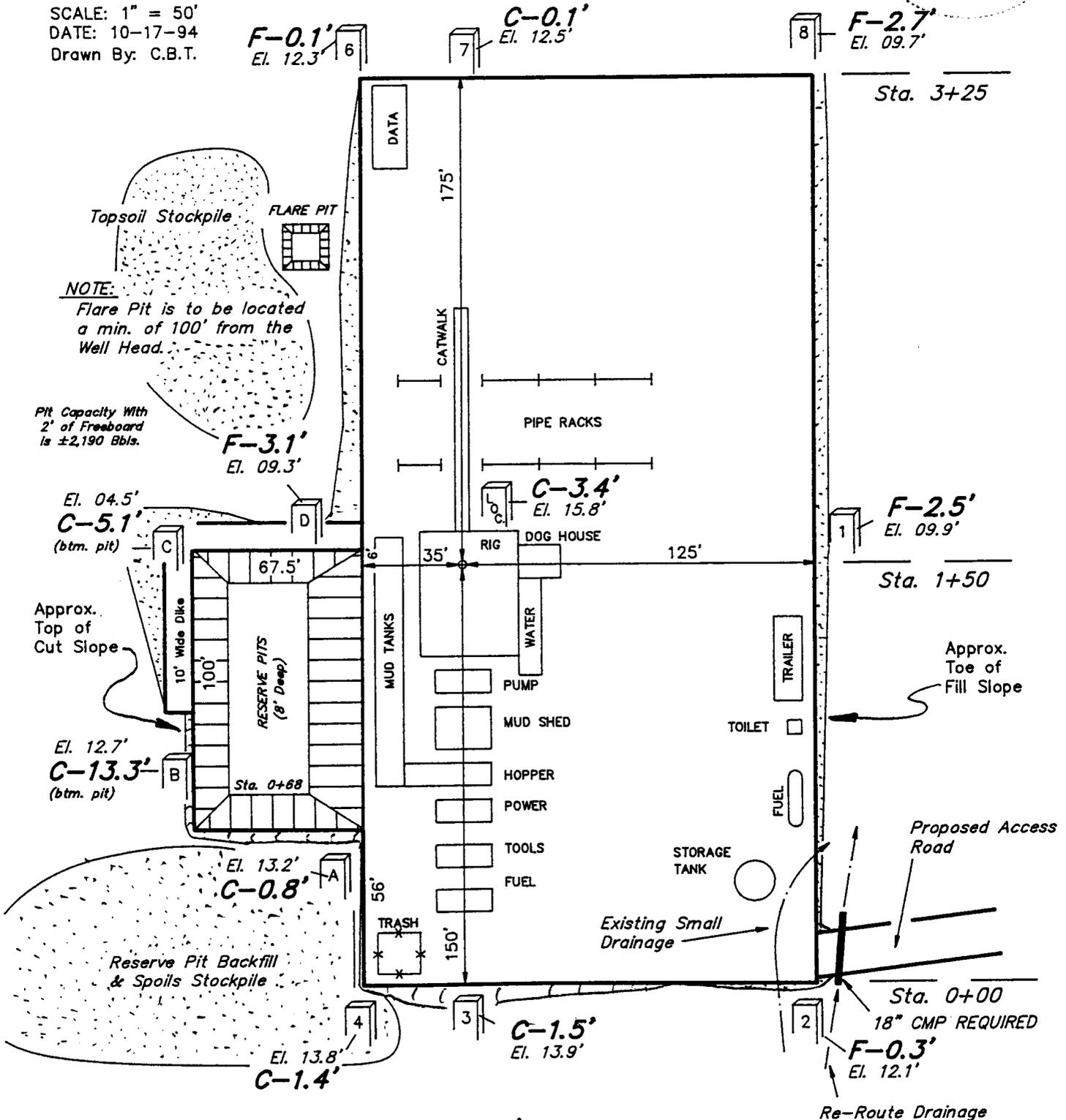
CHANDLER & ASSOCIATES, INC.

LOCATION LAYOUT FOR

GLEN BENCH STATE #7-16
SECTION 16, T8S, R22E, S.L.B.&M.
1736' FNL 1464' FEL



SCALE: 1" = 50'
DATE: 10-17-94
Drawn By: C.B.T.



Elev. Ungraded Ground at Location Stake = 4915.8'

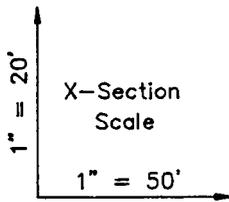
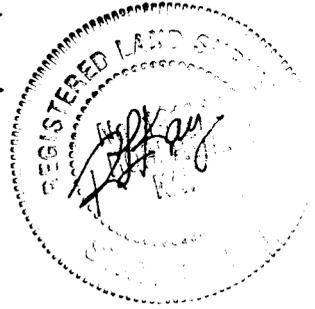
Elev. Graded Ground at Location Stake = 4912.4'

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85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

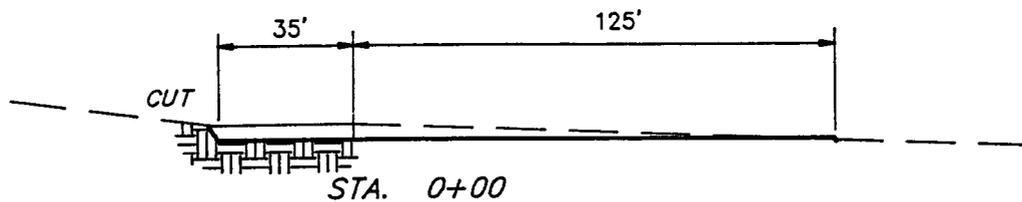
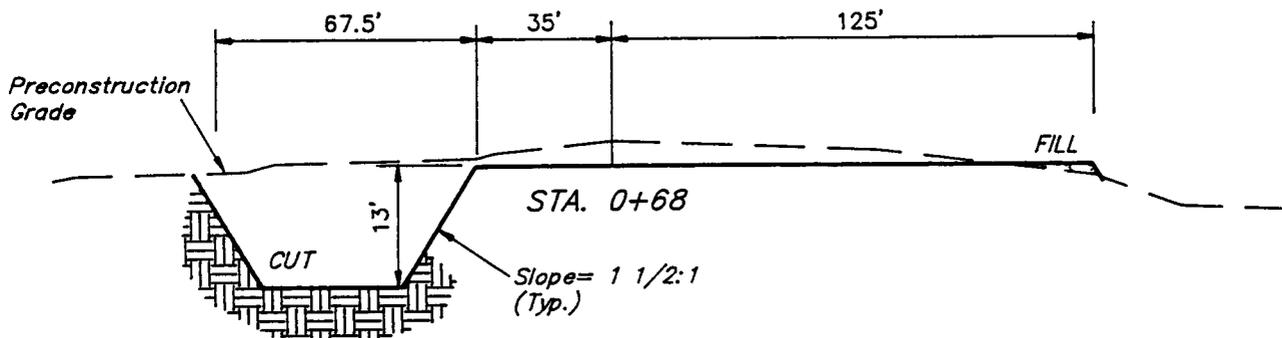
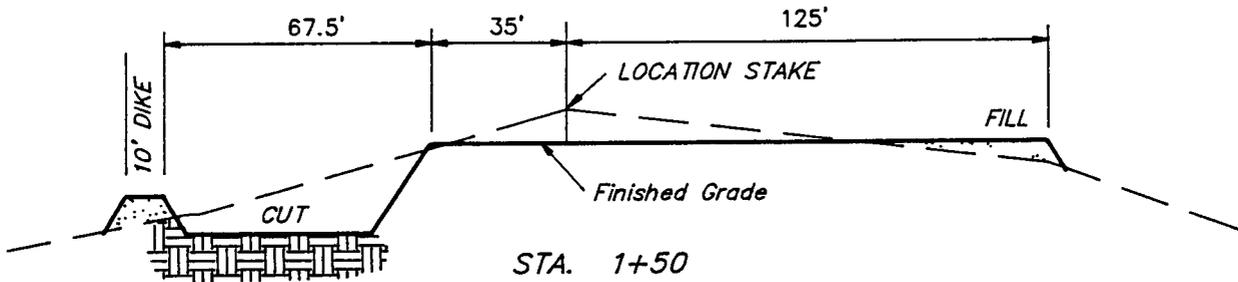
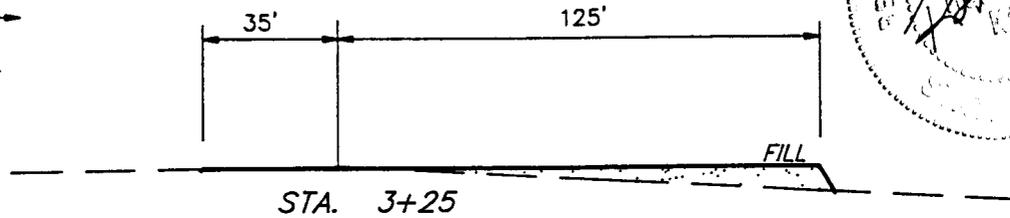
CHANDLER & ASSOCIATES, INC.

LOCATION LAYOUT FOR

GLEN BENCH STATE #7-16
SECTION 16, T8S, R22E, S.L.B.&M.
1736' FNL 1464' FEL



DATE: 10-17-94
Drawn By: C.B.T.



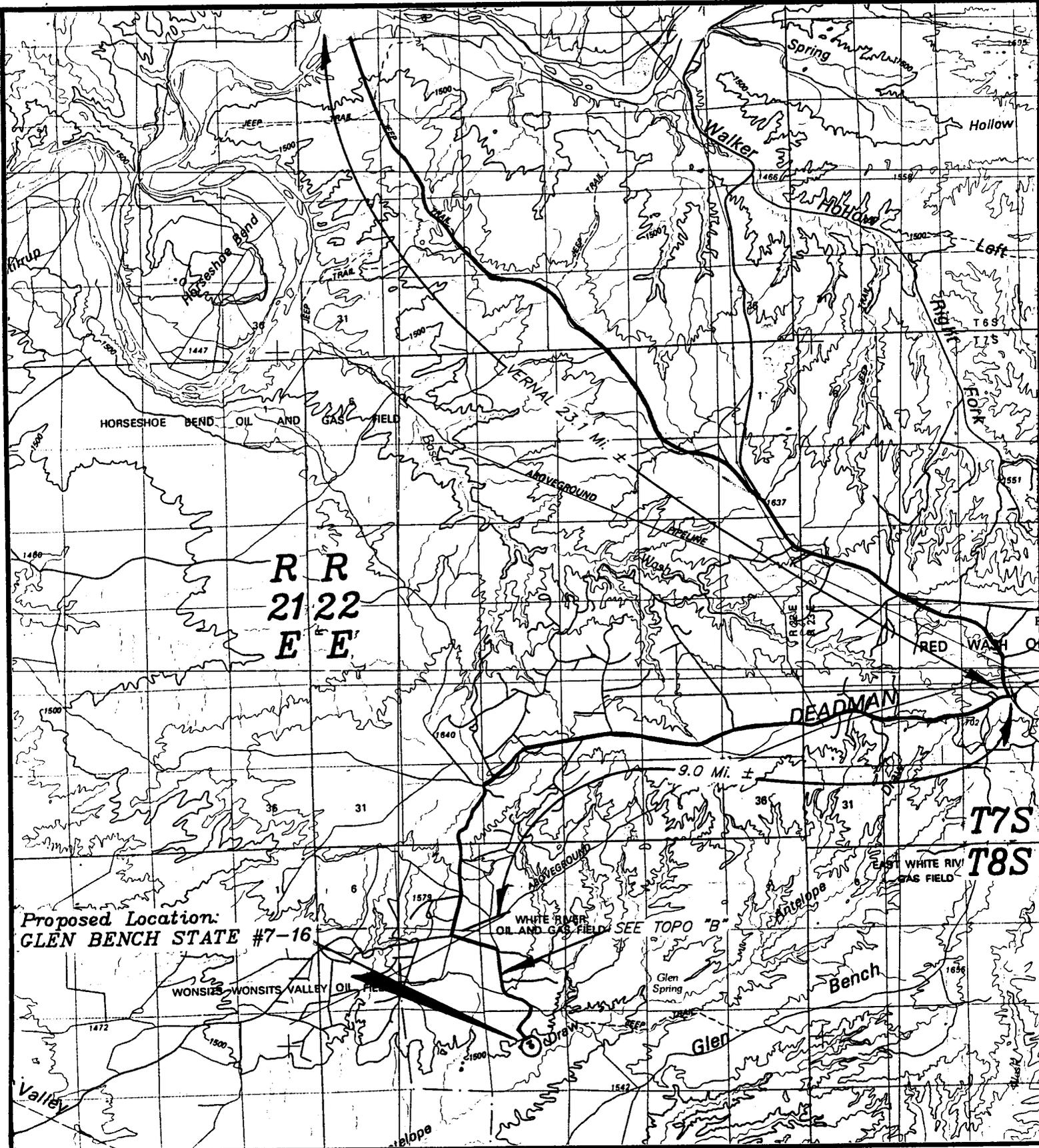
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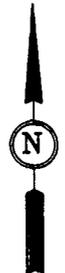


R R
21 22
E E

Proposed Location:
GLEN BENCH STATE #7-16

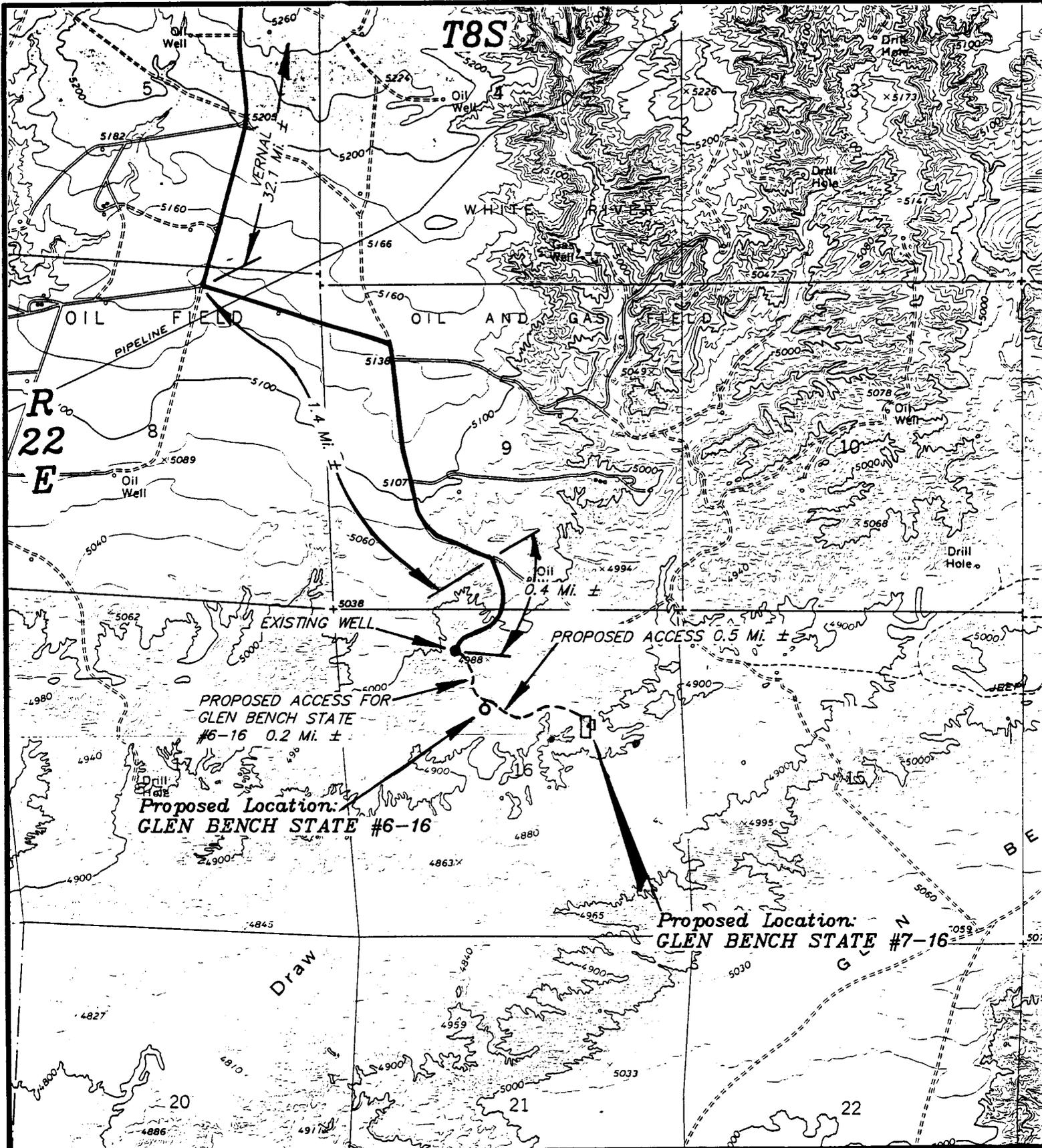
TOPOGRAPHIC
MAP "A"

DATE: 10/14/94 D.C.



CHANDLER & ASSOCIATES, INC.

GLEN BENCH STATE #7-16
SECTION 16, T8S, R22E, S.L.B.&M
1736' FNL 1464' FEL



TOPOGRAPHIC
MAP "B"

SCALE: 1" = 2000'

DATE: 10/14/94 D.C.



CHANDLER & ASSOCIATES, INC.

GLEN BENCH STATE #7-16
SECTION 16, T8S, R22E, S.L.B.&M
1736' FNL 1464' FEL

**WORKSHEET
APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 11/17/94

API NO. ASSIGNED: 43-047-32582

WELL NAME: GLEN BENCH STATE 7-16
 OPERATOR: CHANDLER & ASSOCIATES INC (N3320)

PROPOSED LOCATION:
 SWNE 16 - T08S - R22E
 SURFACE: 1736-FNL-1464-FEL
 BOTTOM: 1736-FNL-1464-FEL
 UINTAH COUNTY
 UNDESIGNATED FIELD (002)

INSPECT LOCATION BY: 11/30/94

TECH REVIEW	Initials	Date
Engineering	<i>JAM</i>	11/20/94
Geology	<i>BA</i>	11/23/94
Surface	<i>DH</i>	11/21/94

LEASE TYPE: STA
 LEASE NUMBER: ML-22049

PROPOSED PRODUCING FORMATION: GRRV

RECEIVED AND/OR REVIEWED:

Plat
 Bond: Federal State Fee
 (Number 19S19040790)
 Potash (Y/N)
 Oil shale (Y/N)
 Water permit
 (Number 53617-43-8496)
 RDCC Review (Y/N)
 (Date: _____)

LOCATION AND SITING:

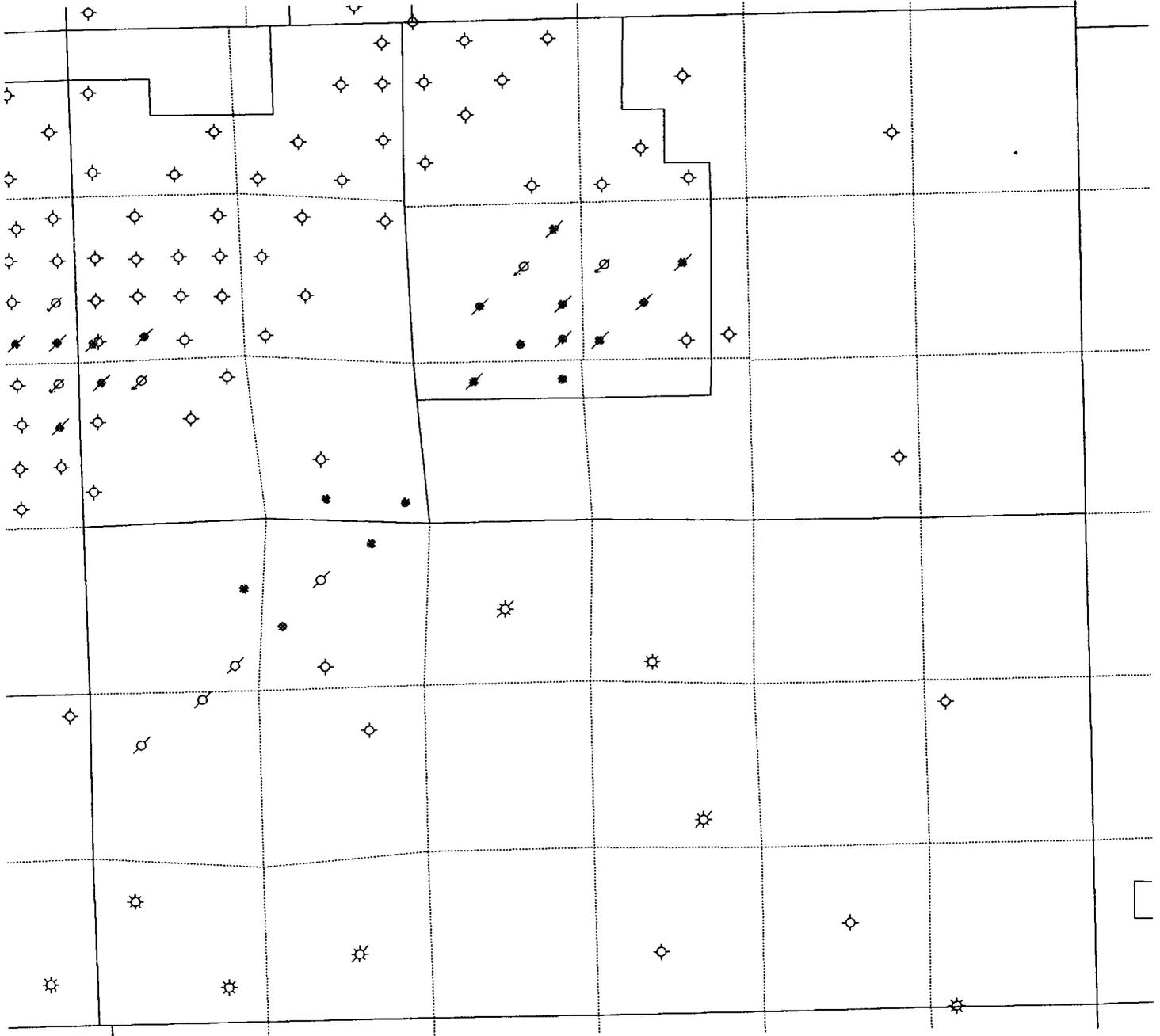
___ R649-2-3. Unit: _____
 ___ R649-3-2. General.
 R649-3-3. Exception.
 ___ Drilling Unit.
 ___ Board Cause no: _____
 Date: _____

CONFIDENTIAL
 PERIOD
 EXPIRES
 ON 2-3-96

COMMENTS: _____

STIPULATIONS: *The* ^{*well to be located*} *Reserve pit on east side of location*
 2. *Location to be surrounded w/ a 12" to 18" berm.*

CHANDLER AND ASSOCIATES INC.
GLEN BENCH STATE WELLS 7-16, & 12-16
SEC. 16, T8S, R22E UINTAH COUNTY



STATE OF UTAH

Operator: CHANDLER & ASSOCIATES	Well Name: GLEN BENCH STATE 7-1
Project ID: 43-047-32582	Location: SEC. 16 - T088 - R22E

Design Parameters:

Mud weight (8.80 ppg) : 0.457 psi/ft
 Shut in surface pressure : 2218 psi
 Internal gradient (burst) : 0.054 psi/ft
 Annular gradient (burst) : 0.000 psi/ft
 Tensile load is determined using buoyed weight
 Service rating is "Sweet"

Design Factors:

Collapse : 1.125
 Burst : 1.00
 8 Round : 1.80 (J)
 Buttress : 1.60 (J)
 Other : 1.50 (J)
 Body Yield : 1.50 (B)

Length (feet)	Size (in.)	Weight (lb/ft)	Grade	Joint	Depth (feet)	Drift (in.)	Cost		
1	5,500	5.500	15.50	K-55	LT&C	5,500	4.825		
	Load (psi)	Collapse Strgth (psi)	S.F.	Burst Load (psi)	Min Int Yield Strgth (psi)	S.F.	Tension Load (kips)	Strgth (kips)	S.F.
1	2514	4040	1.607	2514	4810	1.91	73.78	239	3.24 J

Prepared by : FRM, Salt Lake City, UT
 Date : 11-23-1994
 Remarks :

Minimum segment length for the 5,500 foot well is 1,000 feet.
 SICP is based on the ideal gas law, a gas gravity of 0.69, and a mean gas temperature of 101°F (Surface 74°F , BHT 129°F & temp. gradient 1.000°/100 ft.)
 The mud gradient and bottom hole pressures (for burst) are 0.457 psi/ft and 2,514 psi, respectively.

NOTE: The design factors used in this casing string design are as shown above. As a general guide-line, Lone Star Steel recommends using minimum design factors of 1.125 - Collapse (with evacuated casing), 1.0 - Burst, 1.8 - 8 Round Tension, 1.6 - Buttress Tension, and 1.5 - Body Yield. Collapse strength under axial tension was calculated based on the Westcott, Dunlop and Kemler curve. Engineering responsibility for use of this design will be that of the purchaser. Costs for this design are based on a 1987 pricing model. (Version 1.06)

NOVEMBER 21, 1994

STATE OF UTAH
DIVISION OF OIL GAS & MINING

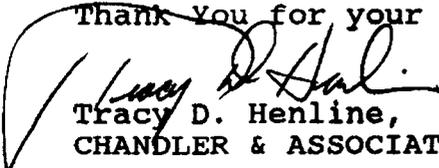
RE: Letter of Exception Locations

Attn: Mike Hebertson

Chandler & Associates, Inc. respectfully submits the following information for an Exception Location on the below mentioned well pads.

The Glen Bench State #12-16, located 1432' FSL & 637' FEL in Section 16, T8S, R22E, S.L.B.&M. and the Glen Bench State #7-16, located 1736' FNL & 1464' FEL in Section 16, T8S, R22E, S.L.B.&M. were both moved from the standard 40 acre location due to the topographical relief in the area, (which is not well represented on the 7.5 min. quad.) We have kept the move of these locations at a minimum and both are at the first available area outside of the window which is suitable to build a location. If you have any questions concerning this matter please feel free to call me at (801) 789-1017.

Thank You for your attention to this matter,



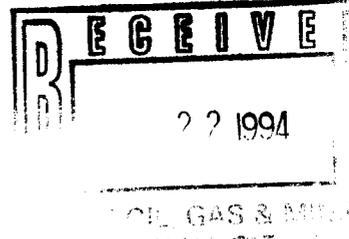
Tracy D. Henline, U.E.L.S./Agent for
CHANDLER & ASSOCIATES, INC.

NOVEMBER 21, 1994

STATE OF UTAH
DIVISION OF OIL GAS & MINING

RE: Letter of Exception Locations

Attn: Mike Hebertson



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Thank You for your attention to this matter,

Tracy D. Henline, U.E.L.S./Agent for
CHANDLER & ASSOCIATES, INC.



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 Trled Center, Suite 350
Salt Lake City, Utah 84100-1203
801-538-5340
801-358-3940 (Fax)
801-538-5319 (TDD)

November 23, 1994

Chandler & Associates, Inc.
475 Seventeenth Street, Suite 1000
Denver, Colorado 80202

Re: Glen Bench State #7-16 Well, 1736' FNL, 1464' FEL, SW NE, Sec. 16, T. 8 S., R. 22 E., Uintah County, Utah

Gentlemen:

Pursuant to Utah Admin. R. 649-3-3, Location and Siting of Wells and Utah Admin. R. 649-3-4, Permitting of Wells to be Drilled, Deepened or Plugged-Back, approval to drill the referenced well is hereby granted.

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

1. The reserve pit will be located on east side of location.
2. Location to be surrounded with a 12" to 18" berm.
3. Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules.
4. Notification to the Division within 24 hours after drilling operations commence.
5. Submittal of Entity Action Form, Form 6, within five working days following commencement of drilling operations and whenever a change in operations or interests necessitates an entity status change.
6. Submittal of the Report of Water Encountered During Drilling, Form 7.



Page 2

Chandler & Associates, Inc.
Glen Bench State #7-16 Well
November 23, 1994

7. Prompt notification prior to commencing operations, if necessary, to plug and abandon the well. Notify Frank R. Matthews, Petroleum Engineer, (Office) (801)538-5340, (Home) (801)476-8613, or K. Michael Hebertson, Reclamation Specialist, (Home) (801)269-9212.
8. Compliance with the requirements of Utah Admin. R. 649-3-20, Gas Flaring or Venting, if the well is completed for production.

This approval shall expire one year after date of issuance unless substantial and continuous operation is underway or a request for an extension is made prior to the approval expiration date. The API number assigned to this well is 43-047-32582.

Sincerely,



R.J. Firth
Associate Director

ldc

Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office
WOI1

CONFIDENTIAL

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: CHANDLER

Well Name: GLEN BENCH STATE 7-16

API NO. 43-047-32582

Section 16 Township 8S Range 22E County UINTAH

Drilling Contractor CHANDLER

Rig # 7

SPUDDED: Date 12/13/94

Time _____

How ROTARY

Drilling will commence _____

Reported by D. HACKFORD-DOGM

Telephone # _____

Date: 12/12/94 Signed: JLT

OPERATOR Chandler & Associates, Inc.
 ADDRESS 475 17th St, Ste 1-00
Denver, Co 80202

OPERATOR ACCT. NO. H 3320

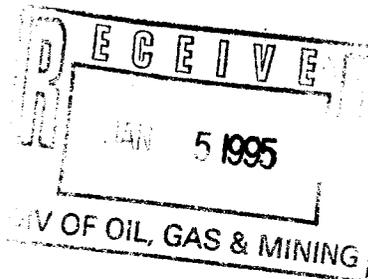
ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	11731	43-047-32582	Glen Bench State 7-16	SWNE	16	8S	22E	Uintah	12/14/94	12/14/94
WELL 1 COMMENTS:											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

- ACTION CODES (See instructions on back of form)
- A - Establish new entity for new well (single well only)
 - B - Add new well to existing entity (group or unit well)
 - C - Re-assign well from one existing entity to another existing entity
 - D - Re-assign well from one existing entity to a new entity
 - E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

[Signature]
 Signature
 Manager of Operations 1/12/95
 Title
 Date
 Phone No. (303) 295-0400



OPERATOR Chandler & Associates, Inc.
 ADDRESS 475 17th St, Ste 1-00
Denver, Co 80202

OPERATOR ACCT. NO. H 3320

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
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A	99999	11731	43-047-32582	Glen Bench State 7-16	SWNE	16	8S	22E	Uintah	12/14/94	12/14/94
WELL 1 COMMENTS: *1-27-95 APPROVED COMMINGLING OF 6-16/43-047-32549 & 7-17, ENTITY 11716. AMENDED ENTITY FOR THE 7-17 WELL FROM 11731 TO 11716 ON 1-31-95. (OPERATOR NOTIFIED)											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
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NOTE: Use COMMENT section to explain why each Action Code was selected.

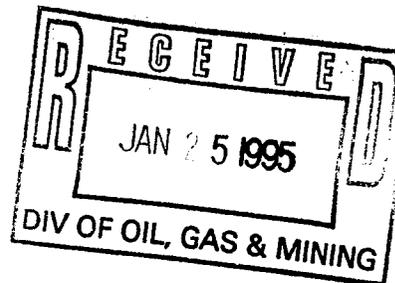
(3/89)

[Signature]
 Signature

Manager of Operations 1/12/95

Title _____ Date _____

Phone No. 303, 295-0400



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

JAN 7 5 1995

6. Lease Designation and Serial Number	ML-22049
7. Indian Allottee or Tribe Name	NA
8. Unit or Communitization Agreement	NA
9. Well Name and Number	Glen Bench State 7-16
10. API Well Number	7-16
11. Field and Pool, or Wildcat	Glen Bench

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 <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)
2. Name of Operator Chandler and Associates
3. Address of Operator 475 17th Street--Suite 1000 Denver, CO 80202
4. Telephone Number 303-295-0400
5. Location of Well Footage : 1730' FNL and 1464' FFL County : Uintah QQ, Sec. T., R., M. : SW/NE Sec. 16-T8S-R22E State : UTAH

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

NOTICE OF INTENT
(Submit in Duplicate)

<input type="checkbox"/> Abandonment	<input checked="" type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Approximate Date Work Will Start 1/20/95

SUBSEQUENT REPORT
(Submit Original Form Only)

<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction
<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing
<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize
<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare
<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Other _____	

Date of Work Completion _____

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.)

Permission is requested to commingle this well with the Glen Bench State 6-16 battery which is located approx. 2500' to the southwest of this well. The wells are covered under the same lease, with the same royalties and both are Green River completions. If well tests are required the other well could be shut down for a brief period of time and the tanks gauged to determine the well production. All gas would be tied together in a common line and should be used on lease. If any excess is taken off lease, the gas volume would be measured by approved methods. The commingled flowline would consist of a 2-7/8" flowline, 2-1-1/2" trace lines and a 2" gas line which would be insulated and set on skids alongside the existing lease road. By commingling, at least one production tank could be avoided and it would limit traffic into the 7-16 well which is an area of clay and subject to erosion and bad roads.

#6-16: 43-047-32549; Ent #11716 POW. Spud: 11/26/94 Compl: 12/19/94. Test Prod'n: 32 BBL oil, 0 gas.
 #7-16: 43-047-32582; Ent #11731 DRL. Spud: 12/13/94 Compl: ? " " ?

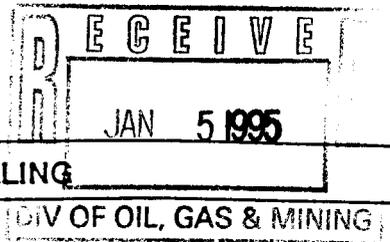
Both wells on ML 22049.

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

Name & Signature James A. Simonton Title Agent Date 1/18/95

(State Use Only)

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING



REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Glen Bench State 7-16

API number: 43-047-32582

2. Well Location: QQ SWNE Section 16 Township 8S Range 22E County Uintah

3. Well operator: Chandler & Associates, Inc.

Address: 475 17th St, Ste 1000

Denver, Co 80202

Phone: (303) 295-0400

4. Drilling contractor: Chandler Drilling Corp

Address: 475 17th St, Ste 1000

Denver, Co 80202

Phone: (303) 295-0400

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
NA	NA	NA	NA

6. Formation tops: Glen Bench SS 5068'

White River SS 5322'

Basal SS 5420'

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: Jan 13, 1995

Name & Signature: *[Signature]*

Title: Mgr, Prod/Operations

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

JAN 7 5 1995

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		6. Lease Designation and Serial Number MT-22049
		7. Indian Allottee or Tribe Name NA
		8. Unit or Communitization Agreement NA
		9. Well Name and Number Glen Bench State 7-16
1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)	2. Name of Operator Chandler and Associates	10. API Well Number 7-16
3. Address of Operator 475 17th Street--Suite 1000 Denver, CO. 80202	4. Telephone Number 303-295-0400	11. Field and Pool, or Wildcat Glen Bench
5. Location of Well Footage : 1730' FNL and 1464' FEL QQ, Sec. T., R., M. : SW/NE Sec. 16-T8S-R22E		County : Uintah State : UTAH

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
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14. I hereby certify that the foregoing is true and correct

Name & Signature James A. Simonton Title Agent Date 1/18/95
(State Use Only)



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)

*Lisha - FYI
re Chandler
entity #*

January 27, 1995

Don Johnson
Chandler & Associates
475 17th Street, Ste 1000
Denver, CO 80202

Re: Glen Bench State 7-16 and Glen Bench State 6-16 Commingling

Dear Mr. Johnson:

Pursuant to the sundry notice filed by Chandler & Associates on January 18, 1995, the Division of Oil, Gas & Mining hereby grants approval to commingle production from the Glen Bench State 7-16 well with production from the Glen Bench State 6-16 well. This approval is granted subject to the performance of 24 hour well tests on a monthly basis in order to properly allocate oil production.

Please advise if there are any questions.

Sincerely,


Steven L. Schneider
Audit Manager

cc: R. J. Firth
Enclosure



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor
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Executive Director
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355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
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January 27, 1995

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Chandler & Associates
475 17th Street, Ste 1000
Denver, CO 80202

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Please advise if there are any questions.

Sincerely,


Steven L. Schneider
Audit Manager

cc: R. J. Firth
Enclosure



STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

RECEIVED
FEB 27 1995
DIVISION OF OIL, GAS & MINING

1. LEASE DESIGNATION AND SERIAL NO.
ML-2049

INDIAN, ALLOTTEE OR TRIBE NAME
NA

7. UNIT AGREEMENT NAME
NA

5. FARM OR LEASE NAME
Glen Bench State

9. WELL NO.
7-16

10. FIELD AND POOL, OR WILDCAT
Glen Bench

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA
Sec 16-T8S-R22E
S.L.B. & M.

12. COUNTY
Uintah

13. STATE
Utah

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1A. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

1B. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other _____

2. NAME OF OPERATOR
Chandler & Associates, Inc

3. ADDRESS OF OPERATOR (303) 295-0400
475 17th St, Ste 1000 Denver, Co 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface 1736'FNL & 1464'FEL (SW NE)

At top prod. interval reported below Same

At total depth Same

CONFIDENTIAL

14. API NO. 43-047-32582

DATE ISSUED 11-23-94

15. DATE SPUDDED 12-12-94

16. DATE T.D. REACHED 12-27-94

17. DATE COMPL. (Ready to prod.) 1-3-95 (Plug & Abd.)

18. ELEVATIONS (DF, BEB, RT, GR, ETC.) 4916'GL 4928'KB

19. ELEV. CASINGHEAD - - -

20. TOTAL DEPTH, MD & TVD 5534

21. PLUG BACK T.S., MD & TVD 5496

22. IF MULTIPLE COMPL. HOW MANY - - -

23. INTERVALS DRILLED BY - - -

ROTARY TOOLS 0-TD

CABLE TOOLS - - -

24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)
5423'-5431 Basal Sd

25. WAS DIRECTIONAL SURVEY MADE
No

26. TYPE ELECTRIC AND OTHER LOGS RUN

DI-FL/GR; CNL-CDL/GR

CBL/MD/ML 1-24-95

27. WAS WELL CORED YES NO (Submit analysis)
DRILL STEM TEST YES NO (See separate table)

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	24	365	12-1/4	265sx Class 'G'	- - -
5-1/2	15.5	5539	7-7/8	750sx Class 'G'	NA

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	5435	

31. PERFORATION RECORD (Interval, size and number)

5423'-5431' w/4JSPF (32 holes)
.38" diameter

32. ACID. SHOT. FRACTURE CEMENT SQUEEZE ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5423'-5431'	Frac'd using 35,200#
	20/40; 37,500# 16/30 &
	459bbbls 2% KCL

33. PRODUCTION

DATE FIRST PRODUCTION 1/25/95
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping 2-1/2"x1-1/2"x16'
WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
02-19-95	24	NA	→	5	TSTM	0	- - -

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
NA	NA	→	- - -	TSTM	- - -	38.7

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

Used for fuel

TEST WITNESSED BY

Randy Smuin

35. LIST OF ATTACHMENTS

Bottom hole pressure survey, CBL

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

SIGNED *[Signature]*

TITLE Mgr, Production/Oper

DATE 2/22/95

See Spaces for Additional Data on Reverse Side

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 producing interval, 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:		38. GEOLOGIC MARKERS				
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.		Bottom	Description, contents, etc.	Name	Top	
Formation	Top				Meas. Depth	True Vert. Depth
Uintah	Surface	2856	Sand, shale, siltstone	Glen Bench Ss	5068'	5068'
Green River	2856'	5430	Sand, shale, oilshale, limestone, dolomite	White River Ss	5322'	5322'
Glen Bench Ss	5068'	5076'	Assumed to be oil bearing; no cores or tests	Basal 'Stray'	5420'	5420'
White River Ss	5338'	5338'	Low porosity, non commercial	Tgr Ss		
Basal 'Stray' Ss	5430'	5430'	Oil bearing, production testing			
Wasatch	5430'	TD	Red shale & Ss			

UTAH DIVISION OF OIL, GAS AND MINING EQUIPMENT INVENTORY

Operator: Chandler and Associates Lease: State: Federal: Indian: Fee:

Well Name: Glen Beach State 7-16 API Number: 43-047-32583

Section: 16 Township: 8S Range: 22E County: Uintah Field: Glen Beach

Well Status: POW Well Type: Oil: Gas:

PRODUCTION LEASE EQUIPMENT: CENTRAL BATTERY:

Well head Boiler(s) Compressor Separator(s)
 Dehydrator(s) Shed(s) Line Heater(s) Heated Separator
 VRU Heater Treater(s)

PUMPS:
 Triplex Chemical Centrifugal

LIFT METHOD:
 Pumpjack Hydraulic Submersible Flowing

GAS EQUIPMENT:

Gas Meters Purchase Meter Sales Meter

TANKS:	NUMBER	SIZE
<input type="checkbox"/>	Oil Storage Tank(s)	_____ BBLS
<input type="checkbox"/>	Water Tank(s)	_____ BBLS
<input type="checkbox"/>	Power Water Tank	_____ BBLS
<input type="checkbox"/>	Condensate Tank(s)	_____ BBLS
<input checked="" type="checkbox"/>	Propane Tank	

REMARKS: Emulsion goes to Glen Beach State 6-16

Location central battery: Qtr/Qtr: SE/POW Section: 16 Township: 8S Range: 22E

Inspector: David W. Bradford Date: 3/10/95

Chandler and Associates

Glen Bondi State 746

43-047-32582

Emulsion to 6-16

line heater

ACCESS

Pump
Jack

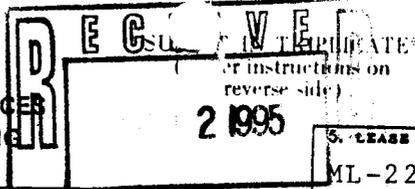
⊗
well/head

Vent/line

Top
Soil



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



SUNDRY NOTICES AND REPORTS ON OIL, GAS & MINING
(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: Chandler & Associates, Inc.

3. ADDRESS OF OPERATOR: 475 17th St, Suite 1000 Denver, Co 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
SWNE (1736'FNL & 1464'FEL)

5. LEASE DESIGNATION AND SERIAL NO.: ML-22049

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: NA

7. UNIT AGREEMENT NAME: NA

8. FARM OR LEASE NAME: Glen Bench State

9. WELL NO.: 7-16

10. FIELD AND POOL, OR WILDCAT: Glen Bench

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: S16-T8S-R22E
S.L.B & M

12. COUNTY OR PARISH: Uintah 13. STATE: Utah

14. PERMIT NO.: 43-047-32582

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 4916'GL 4928'KB

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	

(Other) Complete Glen Bench zone 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.)
1. Set (CIBP) cast iron bridge plug @ 5350'KB±
 2. Pressure test casing to insure plug is holding
 3. Perforate Glen Bench zone: 5070' - 5074' w/4JSPF (16 holes)
 4. Swab test naturally to monitor hydrocarbon shows
 5. Fracture treat using the Western Company
 6. Run bottom hole pressure survey
 7. Put well on pump

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

SIGNED [Signature] TITLE Manager, Operations/Production DATE 4/5/95

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF INTERIOR
BUREAU OF LAND MANAGEMENT

Form Approved
Budget Bureau No. 1004-8135

RECEIVED
JUN 08 1995
DIV. OF OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS
DIV. OF OIL, GAS & MINING

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.

5. Lease Designation and Serial No.
ML-22049
6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE

1. Type of Well
OIL GAS OTHER
WELL WELL

7. If Unit or CA. Agreement Designation
Glen Bench

2. Name of Operator
CHANDLER & ASSOCIATES, INC.

8. Well Name and No.
Glen Bench State #7-16

3. Address and Telephone No.
475 17th Street, Suite #1000
Denver, CO 80202 (303) 295-0400

9. API Well No.
43-047-32582

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
1736'FNL & 1464' FEL (SW NE) Section 16, T8S R22E

10. Field and Pool, or Exploratory Area
Glen Bench
11. County or Parish, State
Uintah, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input checked="" type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Change of plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Other

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

13. 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.)*

Procedure:
1) MIRU service unit
2) Set CIBP @5400' KB(±).
3) Perf. 5070' - 5074'KB w/4 JSPF(16 holes).
4) Breakdown perfs w/ 1000gal 2% KCl water
5) Swab back load and attempt to establish flow rates.
6) Run 72 hr build up test
7) Fracture stimulate perforations pending results of flow tests and pressure buildup tests.

14. I hereby certify that the foregoing is true and correct
Signed Thomas D. Taylor Title Production Geologist Date June 2, 1995

(This space for State office use)
Approved by _____ Title _____ Date _____
Conditions of Approval, if any:

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

RECEIVED
JUL 31 1995
DIV. OF OIL, GAS & MINING

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL GAS WELL DRY Other
 b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. REMVR. Other

2. NAME OF OPERATOR
Chandler & Associates, Inc.
 3. ADDRESS OF OPERATOR
475 17th Street Suite 1000 Denver, CO 80202
 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
 At surface SWNE (1736' FNL/1464' FEL)
 At top prod. interval reported below same
 At total depth Same

14. PERMIT NO. 43-047-32582 DATE ISSUED 11-23-94

5. LAND DESIGNATION AND SERIAL NO. ML-22049
 6. IF INDIAN ALLOTTEE OR TRIBE NAME NA
 7. UNIT AGREEMENT NAME NA
 8. FARM OR LEASE NAME GlenBench State
 9. WELL NO. 7-16
 10. FIELD AND POOL, OR WILDCAT Glenbench
 11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 16-T8S-R22E S.L.B. & M
 12. COUNTY OR PARISH Uintah 13. STATE Utah

15. DATE SPUNDED 12-12-94 16. DATE T.D. REACHED 12-27-94 17. DATE COMPL. (Ready to prod.) 06-18-95 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 4916' GL 4928' KB 19. ELEV. CASINGHEAD -----
 20. TOTAL DEPTH, MD & TVD 5534 21. PLUG. BACK T.D., MD & TVD CIBP@ 5380 22. IF MULTIPLE COMPL., HOW MANY* N.A. 23. INTERVAL DRILLED BY ROTARY TOOLS 0-TD CABLE TOOLS -----
 24. PRODUCING INTERVAL(S) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 5070'-5074' Glen Bench 25. WAS DIRECTIONAL SURVEY MADE NO
 26. TYPE ELECTRIC AND OTHER LOGS RUN DI-FL/GR i CNL-CDL/GR 27. WAS WELL CORED NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	365	12 1/4	265 sx. Class 'G'	N.A.
5 1/2	15.5	5539	7 7/8	750 sx. Class 'G'	N.A.

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 7/8"	5115'	

31. PERFORATION RECORD (Interval, size and number)
5070'-5074' w/4JSPF (16 holes)
.38" diameter

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5070-5074	Brkdwn using 1000 gals. 2% CKCL Frac using gelled water and 14,500 #20/40 & 14,120 #16/30 san

33. PRODUCTION

DATE FIRST PRODUCTION 06-18-95 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Pumping (2 1/2"x1 1/2"x16") WELL STATUS (Producing or shut-in) Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
06-21-95	24	N.A.	→	27	-0-	-0-	-----

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
N.A.	N.A.	→	-----	-----	-----	36.9

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Used for fuel TEST WITNESSED BY Randy Smith

35. LIST OF ATTACHMENTS N.A.

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

SIGNED [Signature] TITLE Manager of Operations DATE 07-19-95

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

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.
Uintah	Surface	2856	Sand, shale, siltstone
Green River	2856'	5430	Sand, shale, oilshale, limestone, dolomite
Glen Bench Ss	5068'	5076'	Assumed to be oil bearing; no cores or tests
White River Ss	5322'	5338'	Low porosity, non commercial
Basal 'Stray' Ss	5420'	5430'	Oil bearing, production testing
Wasatch	5430'	TD	Red shale & Ss

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Glen Bench Ss	5068'	5068'
White River Ss	5322'	5322'
Basal 'Stray' Tgr Ss	5420'	5420'

SUPPLEMENT TO ATTACHMENTS

1. Application for Injection Well - Glen Bench State #7-16:

Chandler and Associates, Inc., is applying to convert the Glen Bench State #7-16 into an Underground Injection Control (UIC) well. The Glen Bench State #7-16 is within the boundaries of an existing, approved Enhanced Recovery Unit (UTU 73974 A) and currently produces from the Glen Bench sandstone of the Green River Formation. All information, such as engineering report, maps, well tests, and logs have been submitted to the State of Utah, Bureau of Land Management, Bureau of Indian Affairs and Environmental Protection Agency.

2. Map of wells and area of review - Attachment A:

Attachment A is a 7.5 minute topographic map which shows the Area of Review (AOR) as defined by an area with ½ mile radius from the proposed injector.

3. Logs:

Copies of electrical, radioactive, and cement bond logs for the wells within the AOR are on file with State of Utah, Division of Oil, Gas and Mining. Photocopy segments of the cement bond logs are attached to the corresponding well bore diagram.

4. Construction details - Attachment B:

The well bore profile for Glen Bench State #7-16 shows the current construction. The string of surface protection consists of 388', 8-5/8", 24#, J-55 casing set with 265 sacks of class 'G' cement in a 12-1/4" hole. Production string consists of 5539' of 5-1/2", 15.5#, J-55 casing set with 750 sacks of class 'G' cement in a 7-7/8" hole. Top of cement at 2100' is derived from the cement bond log. The perforated interval (5070'-5074') or injection zone appears to have cement bond in excess of 95%. The 2-7/8" tubing is secured with a 5-1/2" 'T' anchor set at approximately 5050' w/13,000# tension.

Procedures to convert the Glen Bench State #7-16 well bore for injection would be as follows:

- 1) MIRU, Unseat pump. POOH w/ rods and pump.
- 2) RIH with bit and scraper to 5370'.
- 3) Set ret. Packer @ 5050'
- 4) Test well for Mechanical Integrity (MIT); if passed successfully, hook up surface equipment, place well on injection status, and wait on approval to start injection.

5. Injection Fluid - Attachment C:

A water sample has not been taken from the Glen Bench State #7-16, due to lack of produced water. A produced water analysis was taken from the Glen Bench zone in the nearby Antelope Draw 3-17-3C (SE SE 17, T8S, R22E), results are listed below and compare favorably with the water analyses that have been submitted with the applications for injection permits for the Glen Bench #31-30 and Glen Bench #22-20.

Total Dissolved Solids (TDS) = 50,300 mg/l

ph = 6.3

Specific Gravity = 1.024

The primary water source for injection would be the White River #31-4 well in Section 4, T8S, R22E. A copy of the water analysis for the source water is included in Attachment C, along with a compatibility comparison for one of the existing injection wells in the waterflood unit. The source water has a specific gravity of 1.001 gm/cc, ph of 8.4 and TDS of 2,720 mg/l. The White River #31-4 has been approved as a source water for water floods, State of Utah water user claim Code #49, Serial #287. Chandler and Associates Inc. is the operator of record for this water source well, acquiring it from Flying J.

6. Operating Data - Attachment D:

A Step Rate Injectivity Test was performed on the Glen Bench State #7-16; 2% KCL water was injected and pressures measured when stabilized at five minute intervals. The face fracture gradient for the Glen Bench zone of Green River Formation calculated to be 0.577 psi/ft, the gradient was determined using the breakpoint on the injectivity test. Prior to the Step Rate Test a 72-hour Bottom Hole Pressure survey was performed (06/10/95-06/13/97) resulting in a inconclusive test, the pressures were still building at the end of the test.

Step Rate Results:

- 1) The anticipated initial daily injection volume would be approximately 390 bbls of fluid. The anticipated average daily injection volume is 320 BWPD.
680 psi @ 0.27 BPM = 390 BWPD
500 psi @ 0.2 BPM = 290 BWPD
- 2) Theoretical maximum allowable surface injection pressure (Pm) is 728.5 psi
Pm = maximum pressure at the wellhead
1.001 = specific gravity of injected fluid
0.577 = face fracture gradient
5074' = depth to base sand
.433 = normal pressure gradient
 $Pm = [0.577 - 0.433 (1.001)] 5074 = 728.5 \text{ psig}$

7. Geological data on injection and confining zones - Attachment E:

The proposed injection interval in the Glen Bench State #7-16 is the existing perforations in the Glen Bench (Local Name) pay zone of the Tertiary Green River Formation at 5070' - 5074' KB. The total section of the Green River formation that overlies the proposed injection interval is approximately 2214' thick. The lithology of this rock section consists of shales, siltstones, limestones and thin sandstone lenses. The Glen Bench zone for this well is an interval seven feet (5069' - 76') thick, and is made up of almost entirely of sandstone; described as white to frosted, angular to sub-angular, medium sorted, unconsolidated, friable sandstone. The confining zone above the proposed injection zone consists of 265' of shale (4804' - 5069') that is calcareous in part with occasional thin siltstone and sandstone stringers.

The four-foot Glen Bench pay interval has a calculated log porosity of 13.75%. There were no cores or drill stem tests taken for the Glen Bench #7-16. Permeability of 78 md has been extrapolated for the pay zone in the Glen Bench State #7-16, by using the measured permeability from the Glen Bench Federal #6-16 core.

There were no observed fresh water zones encountered while drilling this well. The base of moderately saline water (TDS 10,000 mg/l or less) is derived from USGS OPEN-FILE REPORT 87-394/Utah Dept. of Natural Resource Technical Pub. No. 92; Base of Moderately Saline Ground Water in the Unita Basin, Utah. 1987; Howell, L., Longson, M.S., and Hunt, G.L. From this publication and corresponding plates, it appears that the base of moderately saline water is between 2,000' and 3,000' below sea level which corresponds approximately to the base Unita/top Green River contact in the Glen Bench State #7-16 well bore at 2856' KB (+2072').

8. Mechanical Conditions of Wells in the AOR - Attachment F:

There are three wells within the Glen Bench State #7-16 AOR. Well bore diagrams and corresponding photocopies of the cement bond log are provided for each well. There are no known water wells or injection wells, active or inactive, within the boundaries of the area of review for the Glen Bench State #7-16.

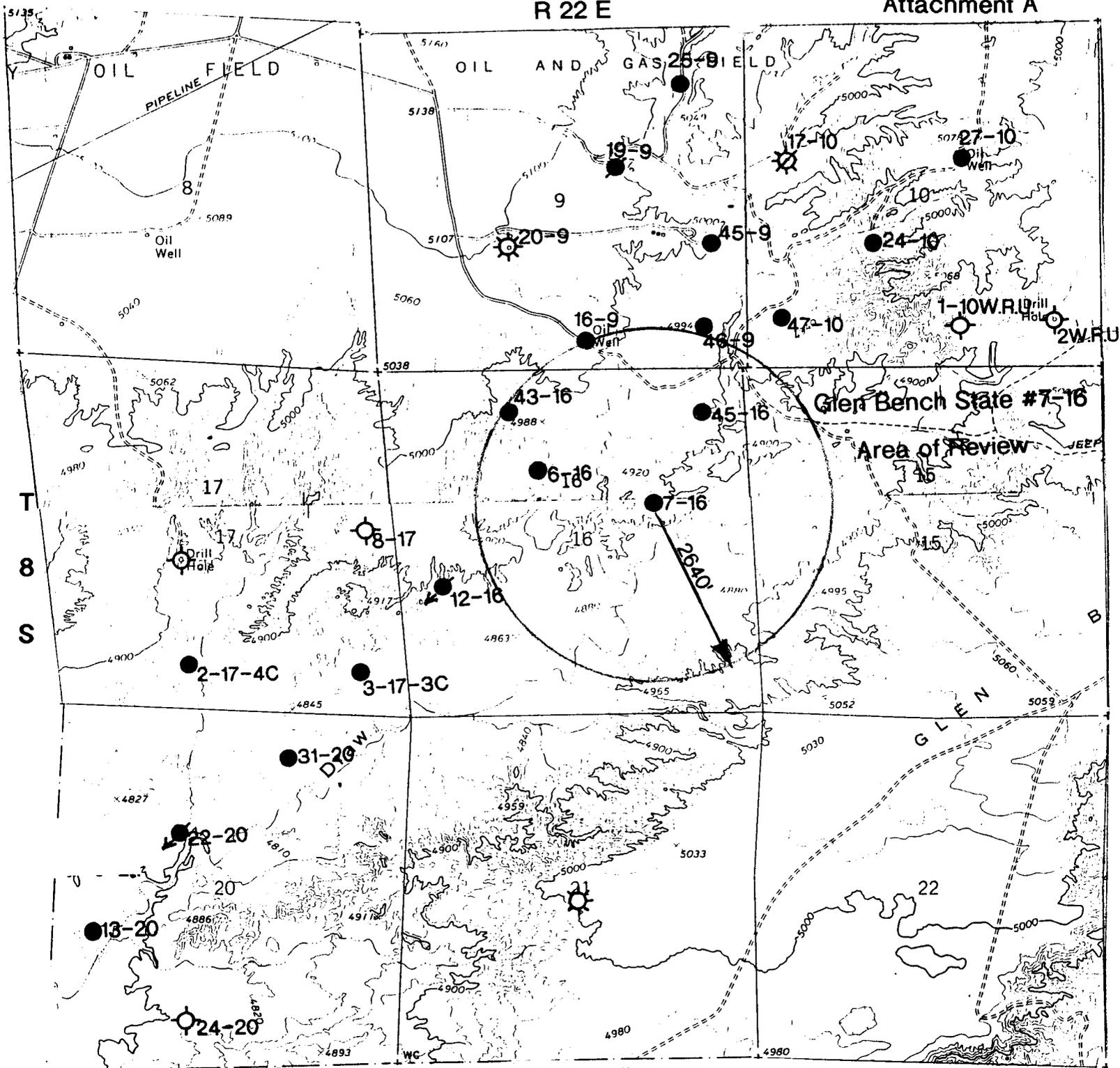
- The Glen Bench State #6-16 is the only well within the AOR that currently produces from the Glen Bench zone.
- The White River Unit #45-16 is currently producing hydrocarbons from a sandstone interval lower in the Green River section designated as the White River zone. The Glen Bench sandstone has been cased off and shows better than 90% bond on the Cement Bond Log.
- The White River Unit #43-16 produces oil from a stray sand in the Green River Formation that is higher up in the section some four hundred feet above the Glen Bench zone. This well bore has been plugged back to 4862' prior to completion; subsequently there is no bond log record over the Glen Bench zone.

9. Surface Ownership Attachment G:

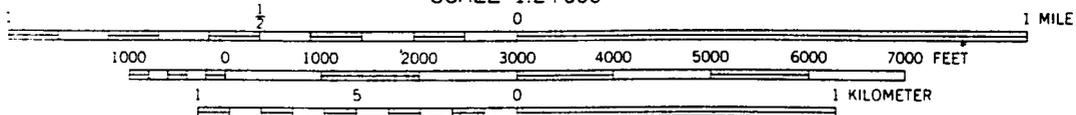
Listed below is the surface ownership for all the lands that fall within the Area of Review. All parties concerned have been notified as to our intent to convert the Glen Bench State #7-16.

- Section 16, T8S R22E; all : State of Utah
School and Institutional Trust Lands Administration
675 East 500 South, Suite 500
Salt Lake City, UT 84102
- Section 9, T8S R22E; S ½: United States Department of Interior
- Section 10, T8S R22E; SW ¼ : Bureau of Land Management
- Section 15, T8S R22E; W ½ : Vernal District Office
170 South 500 East
Vernal, UT 84078

Note: These lands may be held in trust for the Ute Indian Tribe of the Uintah and Ouray Reservation.



SCALE 1:24 000



CONTOUR INTERVAL 20 FEET
 DOTTED LINES REPRESENT 10-FOOT CONTOURS
 DATUM IS MEAN SEA LEVEL

CURRENT CONSTRUCTION

Well Name : Glen Bench State #7-16

Date : 06/22/95

Location : 1464' FEL & 1730' FNL (SWNE) Sec. 16, T8S R22E

County : Uintah

Field : Glen Bench

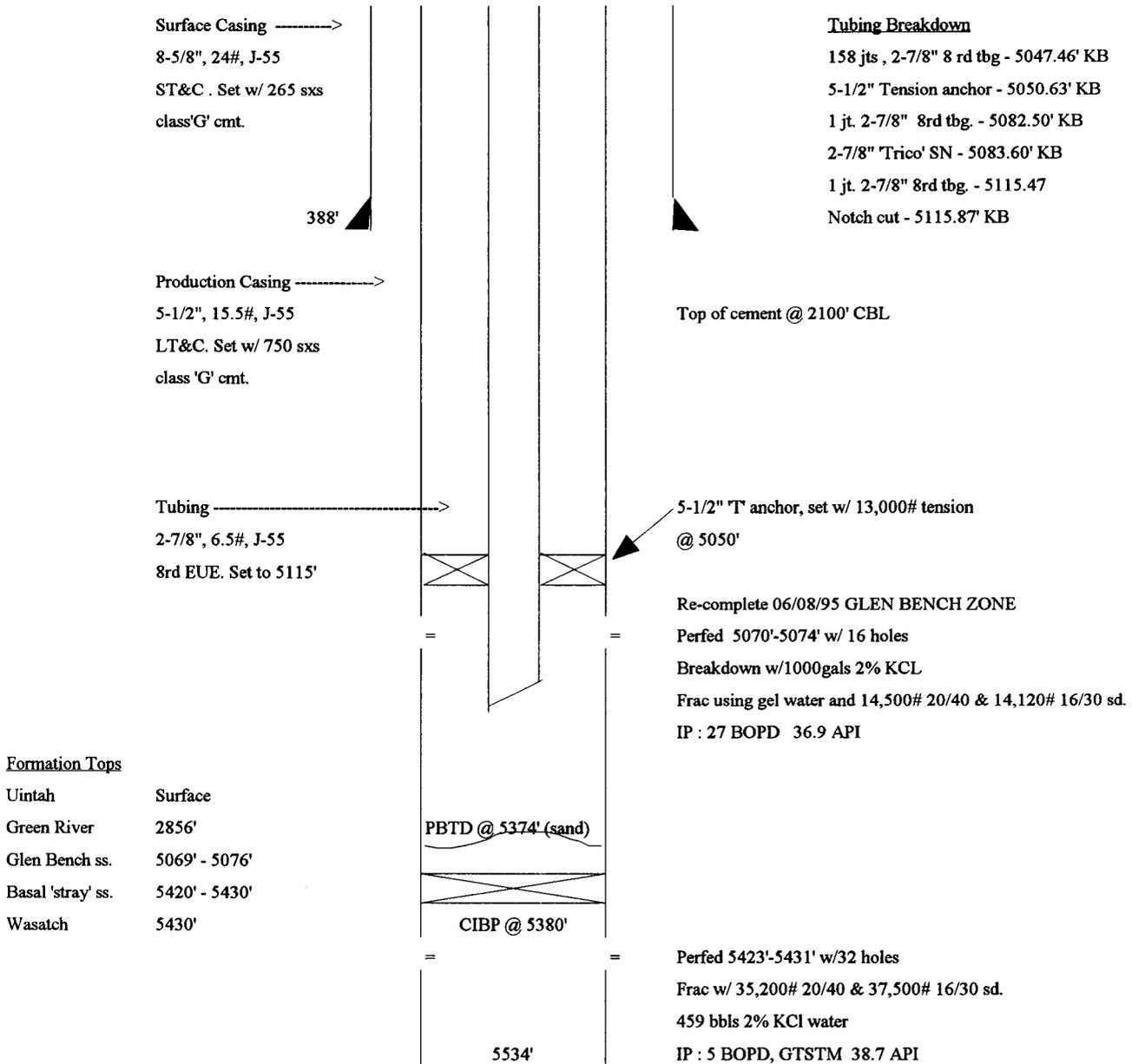
State : Utah

Spud: 12/12/94

KB : 4928'

Comp:

GL : 4916'



Rods & Pump Detail : 2-1/2"x 1/4" x 16' rebuilt Trico RHAC
128-3/4" x 25' (3200'), 73-7/8" x 25' (1825'), 2-6' x 7/8" pon
2-4' x 7/8" ponys (8'), 1 1/4" polish rod w/ 1 1/2" x 6' liner

Schlumberger

CEMENT BOND W/GAMMA RAY-CCL LOG

CO. UINTAH
 FIELD GLEN BENCH
 LOCATION 1464' FEL
 WELL GLEN BENCH #7-16
 COMPANY CHANDLER & ASSOCIATES, IN

COMPANY CHANDLER & ASSOCIATES, INC.

WELL GLEN BENCH #7-16

FIELD GLEN BENCH

COUNTY UINTAH STATE UTAH

Location 1464' FEL
 1730' FNL

Other Services:

THANK YOU!

API Serial No. N/A	Sect. 16	Twp. 8S	Range 22E
-----------------------	-------------	------------	--------------

Permanent Datum	GL	Elev. 4916'	Elev.K.B.4928'
Log Measured From	KB	12' above Perm. Datum	D.F.4827'
Drilling Measured From	KB		G.L.4916'

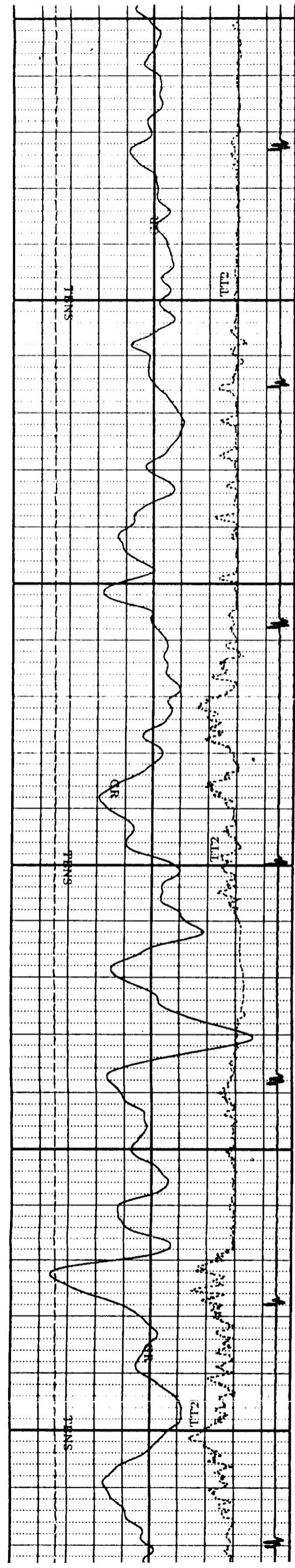
Date	12-31-94	Casing Fluid	WATER	
Run No.	ONE	Fluid Level	FULL	
Depth-Driller	5489'	Max. Rec. Temp.	150 O.H.	
Depth-Logger	5486'	Est. Cement Top	2050'	
Btm. Log Interval	5483'	Unit	131	VERNAL, UT
Top Log Interval	1850'	Recorded By	GREENE/SALVATO	
Open Hole Size	7 7/8	Witnessed By	JIM SIMONTON	

CASING REC.	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String						
Int. String						
Prod. String	5 1/2	15.5			SURF	TD
Liner						

PRIMARY CEMENTING DATA			
STRING	Surface	Protection	Liner
Vol. of Cement			
Type of Cement			
Additive			
Retarder			
Wt. of slurry			
Water loss			
Type fluid in csg.			
Fluid wt.			

REMARKS

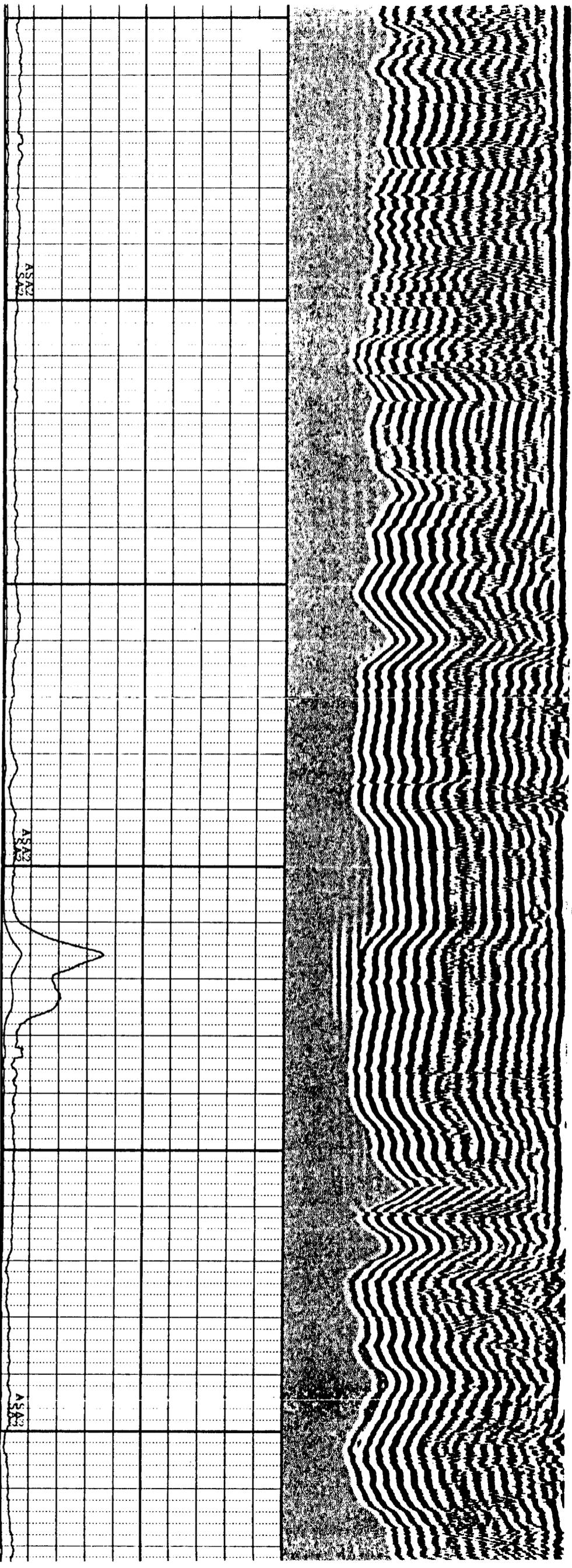
CORRELATED TO S.W.S. O.H. GAMMA RAY 12-26-94

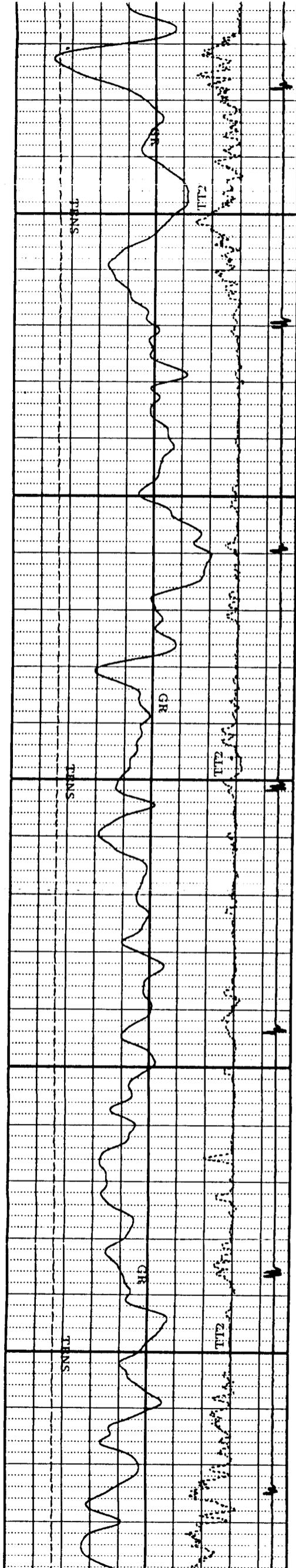


4900

5000

5100

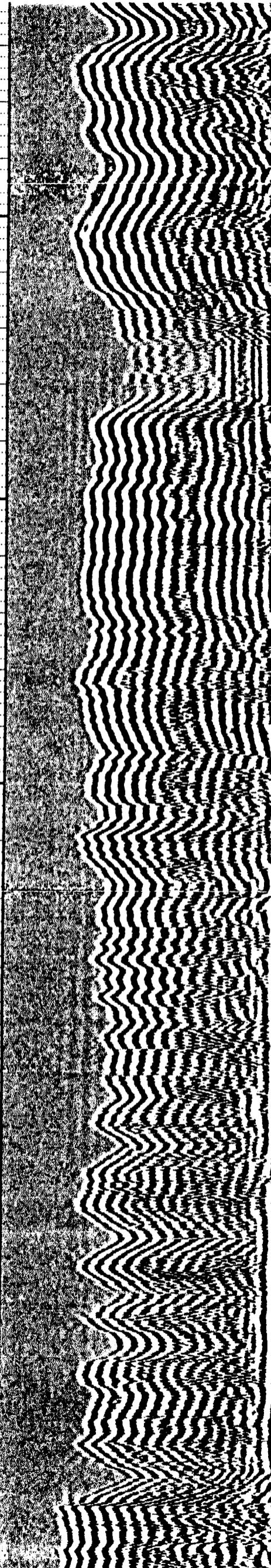
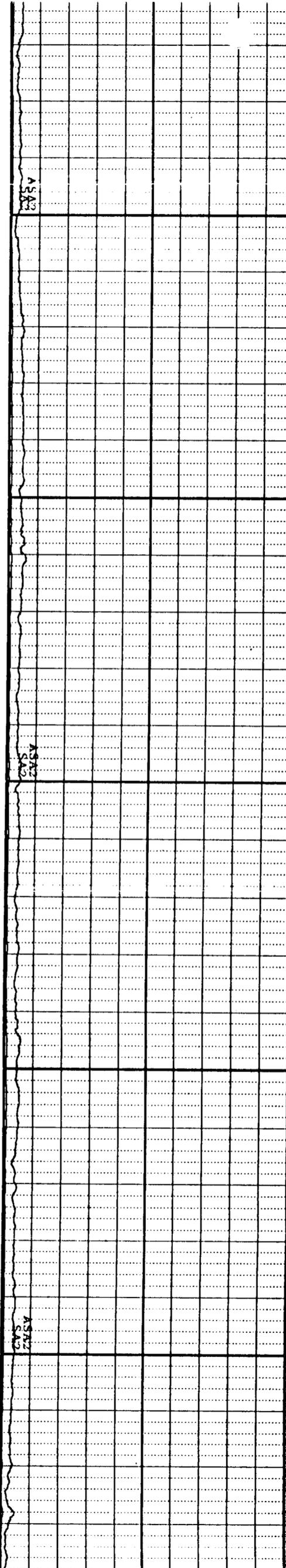


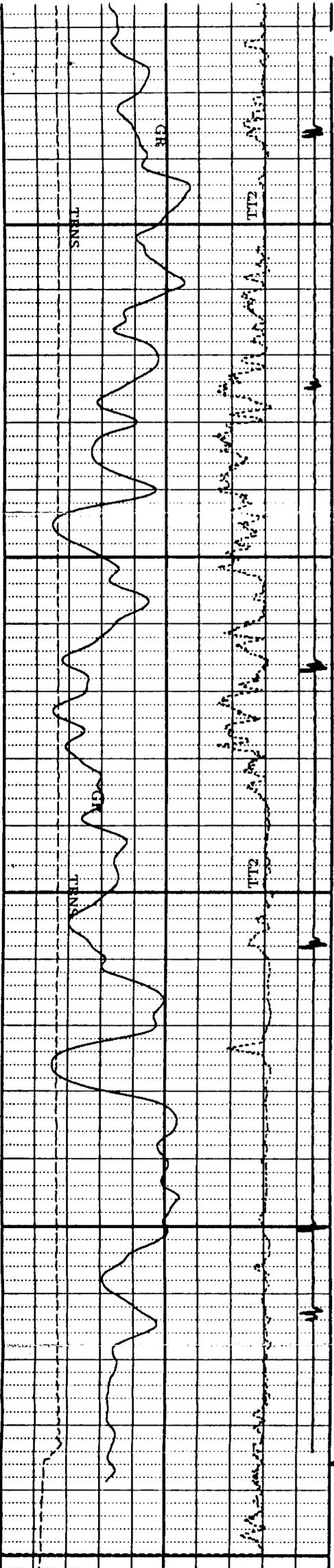


5100

5200

5300

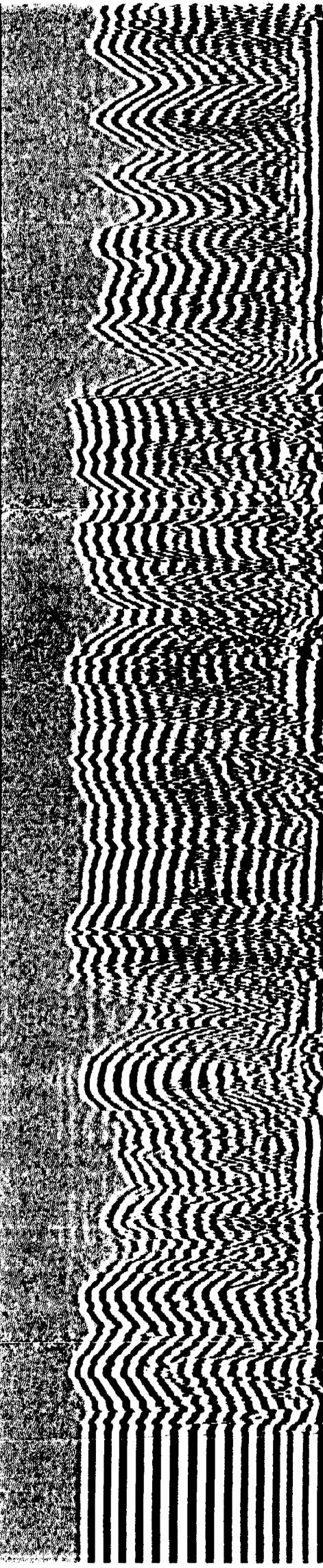
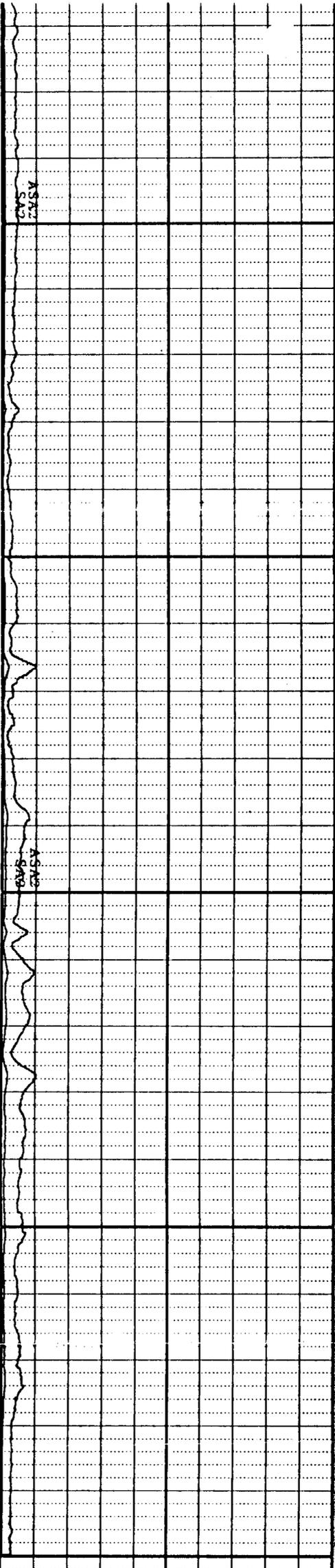




5300

5400

< T.D. >
Main
pass



-250	CCL	250
0	GR	150
420	TT2	220
4000	TENS	0

0	ASA2	20
0	SA2	100

200 VDI 1200

SURTEK

1511 Washington Avenue — Golden, Colorado 80401 — [303] 278-0877 — FAX: [303] 278-2245

April 10, 1995

APR 20 1995

Mr. Tom Taylor
Chandler & Associates, Inc.
1850 Anaconda Tower
555 17th Street
Denver, CO 80202

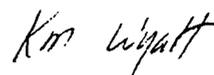
Dear Tom:

Following are the results of the water analysis. I have also enclosed the scale potential analysis for the waters. The table shows the calculated scale volume in lb/Mbbl (PTB). Positive stability index (SI) indicates scaling potential while a negative stability index is corrosive. No calcium or strontium sulfate would be expected but barium sulfate scale (up to 34.8 lb/Mbbl) may be produced.

I hope this helps with your analysis. If you have any questions, please let me know.

Sincerely,

SURTEK INC.
Kon Wyatt



Project Engineer



Western Unichem

P.O. Box 217
Roosevelt, Utah 84066

Attachment C

Office (801) 722-5066
Fax (801) 722-6727

WATER ANALYSIS REPORT

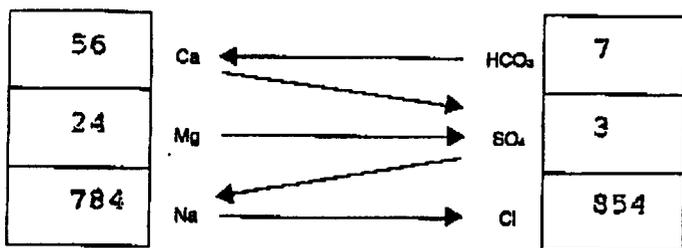
COMPANY Chandler ADDRESS _____ DATE 01-13-95

SOURCE 3-17 DATE SAMPLED 01-11-95 ANALYSIS NO. _____

Analysis	Mg/(ppm)	Meq/l
1. PH	<u>6.9</u>	
2. H ₂ S (Qualitative)	<u>.5</u>	
3. Specific Gravity	<u>1.037</u>	
4. Dissolved Solids	<u>50,300</u>	
5. Suspended Solids		
6. Anaerobic Bacterial Count		C/MI
7. Methyl Orange Alkalinity (CaCO ₃)		
8. Bicarbonate (HCO ₃)	HCO ₃ <u>440</u>	+81 <u>7</u> HCO ₃
9. Chlorides (Cl)	Cl <u>30,300</u>	+35.5 <u>854</u> Cl
10. Sulfates (SO ₄)	SO ₄ <u>150</u>	+48 <u>3</u> SO ₄
11. Calcium (Ca)	Ca <u>1120</u>	+20 <u>56</u> Ca
12. Magnesium (Mg)	Mg <u>292</u>	+12.2 <u>24</u> Mg
13. Total Hardness (CaCO ₃)	<u>4000</u>	
14. Total Iron (Fe)	<u>4.4</u>	
15. Barium (Qualitative)		
16. Phosphate Residuals	<u>0</u>	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION



Compound	Eq. Wt.	X	Meq/l	=	Mg/l
Ca(HCO ₃) ₂	81.04		<u>7</u>		<u>567</u>
CaSO ₄	68.07		<u>3</u>		<u>204</u>
CaCl ₂	55.50		<u>46</u>		<u>2553</u>
Mg(HCO ₃) ₂	73.17				
MgSO ₄	60.19				
MgCl ₂	47.82		<u>24</u>		<u>1143</u>
NaHCO ₃	84.00				
Na ₂ SO ₄	71.03				
NaCl	58.46		<u>784</u>		<u>45,833</u>

Saturation Values	Distilled Water 20°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,090 Mg/l
MgCO ₃	103 Mg/l

REMARKS Resistivity = .22 ohms/meter @ 70° F

Glenn Beach & Well



Western Unichem

P.O. Box 217
Roosevelt, Utah 84066

Office (801) 722-5066
Fax (801) 722-5727

WATER ANALYSIS REPORT

COMPANY Chandler ADDRESS _____ DATE 01-19-95

SOURCE White River Unit 31-4 ^{WSW} DATE SAMPLED 01-19-95 ANALYSIS NO. _____

	Analysis	Mg/l(ppm)	Meq/l
1. PH	<u>8.4</u>		
2. H ₂ S (Qualitative)	<u>33</u>		
3. Specific Gravity	<u>1.001</u>		
4. Dissolved Solids		<u>2720</u>	
5. Suspended Solids			
6. Anaerobic Bacterial Count			CMI
7. Methyl Orange Alkalinity (CaCO ₃)			
8. Bicarbonate (HCO ₃)		<u>1750</u>	+61 <u>29</u> HCO ₃
9. Chlorides (Cl)		<u>150</u>	+35.5 <u>4</u> Cl
10. Sulfates (SO ₄)		<u>0</u>	+48 <u>0</u> SO ₄
11. Calcium (Ca)		<u>4</u>	+20 <u>0</u> Ca
12. Magnesium (Mg)		<u>2</u>	+12.2 <u>0</u> Mg
13. Total Hardness (CaCO ₃)		<u>20</u>	
14. Total Iron (Fe)		<u>.8</u>	
15. Barium (Qualitative)			
16. Phosphate Residuals		<u>0</u>	

*Milli equivalents per liter

PROBABLE MINERAL COMPOSITION

Compound	Eqvly. Wt.	X	Meq/l	=	Mg/l
Ca(HCO ₃) ₂	81.04				
CaSO ₄	68.07				
CaCl ₂	55.50				
Mg(HCO ₃) ₂	73.17				
MgSO ₄	60.19				
MgCl ₂	47.52				
NaHCO ₃	84.00		<u>29</u>		<u>2436</u>
Na ₂ SO ₄	71.03		<u>4</u>		<u>284</u>
NaCl	58.46				

Saturation Values	Distilled Water 20°C
CaCO ₃	13 Mg/l
CaSO ₄ · 2H ₂ O	2,090 Mg/l
MgCO ₃	103 Mg/l

REMARKS Resistivity = 4.60 ohms/meter @ 72° F

Chandler
Water Analysis

ION	Well #WRU 31-4	Well GB-22-20
	Source Water 40-95	41-95
Ion Concentration mg/l		
Calcium	5	562
Magnesium	<1	57
Barium	<5	121
Strontium	<5	114
Sodium	749	7,182
Potassium	<1	2,746
Iron	<1	<1
Chloride	35	17,045
Sulfate	134	3
Carbonate	102	0
Bicarbonate	1,251	325
Total Dissolved Solids	1,781	31,776
pH	8.241	7.628
Resistivity at 72°F ohm-m	4.41	0.265
Viscosity at 72°F cp	0.9402	0.9833
Density at 72°F g/ml	1.0009	1.0198

WATER COMPATIBILITY CALCULATIONS

FIELD NAME:

WATER A :WRU 31-4
SAMPLE NO:40-95

WATER B :WELL GB-22-20
SAMPLE NO:41-95

ION (mg/L)	100%A	90%A	75%A	50%A	25%A	10%A	100%B
Na	749	1392	2357	3966	5574	6539	7182
Ca	5	61	144	284	423	506	562
Mg	0	6	14	29	43	51	57
Ba	0.0	12.1	30.3	60.5	90.8	108.9	121.0
Sr	0.0	11.4	28.5	57.0	85.5	102.6	114.0
Cl	35	1736	4288	8540	12793	15344	17045
SO4	134	121	101	69	36	16	3
CO3	102.0	91.8	76.5	51.0	25.5	10.2	0.0
HCO3	1251.0	1158.4	1019.5	788.0	556.5	417.6	325.0
TDS	2276	4589	8059	13843	19626	23096	25409
pH	8.20	8.10	8.00	7.80	7.70	7.70	7.60
SG	1.009	1.010	1.011	1.013	1.015	1.016	1.017
I(molar)	0.03	0.07	0.13	0.24	0.34	0.40	0.44

WATER INJECTION SYSTEM

CALCIUM CARBONATE SCALING CALCULATIONS

[-----Upstream of Pump-----] [-----Downstream of Pump-----]

%A	TF	Psia	XCO2	pHc	SI	PTB	Is	TF	Psia	pHd	SI _d	PTB	Is
100	145	2000	0	****	1.23	4.1	****	100	50	8.11	.66	3.4	*****
90	145	2000	0	****	2.03	52.4	****	100	50	7.99	1.39	50.7	*****
75	145	2000	0	****	2.05	124.5	****	100	50	7.86	1.36	119.1	*****
50	145	2000	0	****	1.87	240.8	****	100	50	7.7	1.13	214.1	*****
25	145	2000	0	****	1.66	296.8	****	100	50	7.59	.87	221.1	*****
10	145	2000	0	****	1.49	229	****	100	50	7.53	.68	163.4	*****
0	145	2000	0	****	1.36	173.8	****	100	50	7.5	.54	115.5	*****

SULFATE SCALE CALCULATIONS

%A	TF	Psia	[-----CaSO4-----]		[-----BaSO4-----]		[-----SrSO4-----]	
			SR	PTB	SR	PTB	SR	PTB
100	100	50	0	-617.2	*****	*****	0	-45.9
90	100	50	0	-715.1	*****	*****	.1	-56.6
75	100	50	0	-830.2	89.5	17.7	.1	-70.4
50	100	50	0	-991.5	76.6	34.8	.1	-93.1
25	100	50	0	-1096.7	46.6	29	.1	-112.8
10	100	50	0	-1149.5	22.2	12.9	0	-124.5
0	100	50	0	-1180.1	4.3	1.9	0	-132.3

NOTE: Values of SI & PTB for CaCO3, and SR & PTB for CaSO4 and BaSO4 are calculated at 14.7 psia.

$$PTB = 16 / MEBL$$



BJ Services Company — Treatment Report

For Don St.

Attachment D

Date 6-1-96 District Verona UT F. Receipt 102471 Operator Chandler
 Lease Star Buck Well No. 2716 Field Star Ranch Location Sec 12-T8S-R2E
 County Wasatch State UT Stage Number _____ This Zone This Well

WELL DATA OG NG NO OO WD IW Misc. Depth TD/PB 5374 Formation Brown Limer
 Tubing Size 2 7/8 WT. 60.5 Set at: 5032 Type Packer 12 1/2 Set At 5032
 Casing Size 5 1/2 WT. 15.5 Set From 5027 To P/B Liner Size _____ Wt. _____
 Liner Set From _____ To _____ Open Hole: Size _____ From _____ To _____ Casing Perforations: Size _____
 Holes Per Foot _____ Intervals 5070-74
 Previous Treatment _____ Prior Production _____

TREATMENT DATA Pad Used: Yes No Pad Type _____
 Treating Fluid Type: Foam Water Acid Oil Treat. Fluid Vol. 2147 Gal.
 Base Fluid Type 2% KCL water Base Fluid Vol. _____ Gal.
 Foam Qual.: _____ Mitchell Slurry Surface Downhole Total Prop Qty. _____ Lbs.
 Prop Type: Sand WP-1 WP-3 Baux. Other _____
 Prop Mesh Sizes, Types and Quantities _____
 Hole Loaded With 2% KCL water Treat Via: Tubing Casing Anul. Tubing & Anul.
 Ball Sealers: _____ In _____ Stages of _____
 Types and Number of Pumps Used One Acid Fix 700
 Auxiliary Materials _____

LIQUID/GAS PUMPED AND CAPACITIES IN BBLs.
 Tubing Cap. 29.1
 Casing Cap. 1.0
 Annular Cap. _____
 Open Hole Cap. _____
 Fluid to Load 11
 Pad Volume _____
 Treating Fluid 51
 Flush _____
 Overflush _____
 Fluid to Recover 51
 Total N² _____
 Total CO₂ _____

PROCEDURE SUMMARY Load hole, Pump 30 bbls, start stop rate

Time AM/PM	Treating Pressure-Psi		Surface Slurry BBLs. Pumped		Slurry Rate BPM	Surface CO ₂ BBLs. Pumped		CO ₂ Rate BPM	Surface N ² MSCF Pumped		N ² Rate SCFM	Comments
	STP	Annulus	Stage	Total		Stage	Total		Stage	Total		
1124												Test lines
1135	75			11	.2							Start water
1142	75			11	.2							Hole loaded
1234	100			30	.2							Lower rate
1240	230			31	.1							Change rate
1241	190			31	.2							change rate
1245	530			32	.2							pressure reading
1250	535			33	.2							change rate
1455	730			35	.3							pressure reading
100	730			36	.3							change rate
105	860			38	.4							pressure reading
110	860			40	.4							change rate
115	1010			43	.5							pressure reading
120	1025			45	.5							change rate
125	1140			48	.6							pressure reading
130	1145			51	.6							Stop flow

Treating Pressure: Min. 190 Max. 1145 Avg. 740 Customer Representative Jim Summitt
 Inj. Rate on Treating Fluid .1 to .6 Rate on Flush _____ BJ Representative Chandler
 Avg. Inj. Rate .35 I.S.D.P. _____ Flush Dens. lb./gal. _____ Distribution Chandler
 Final Shut-in Pressure _____ in _____ Minutes _____
 Operator's Maximum Pressure _____

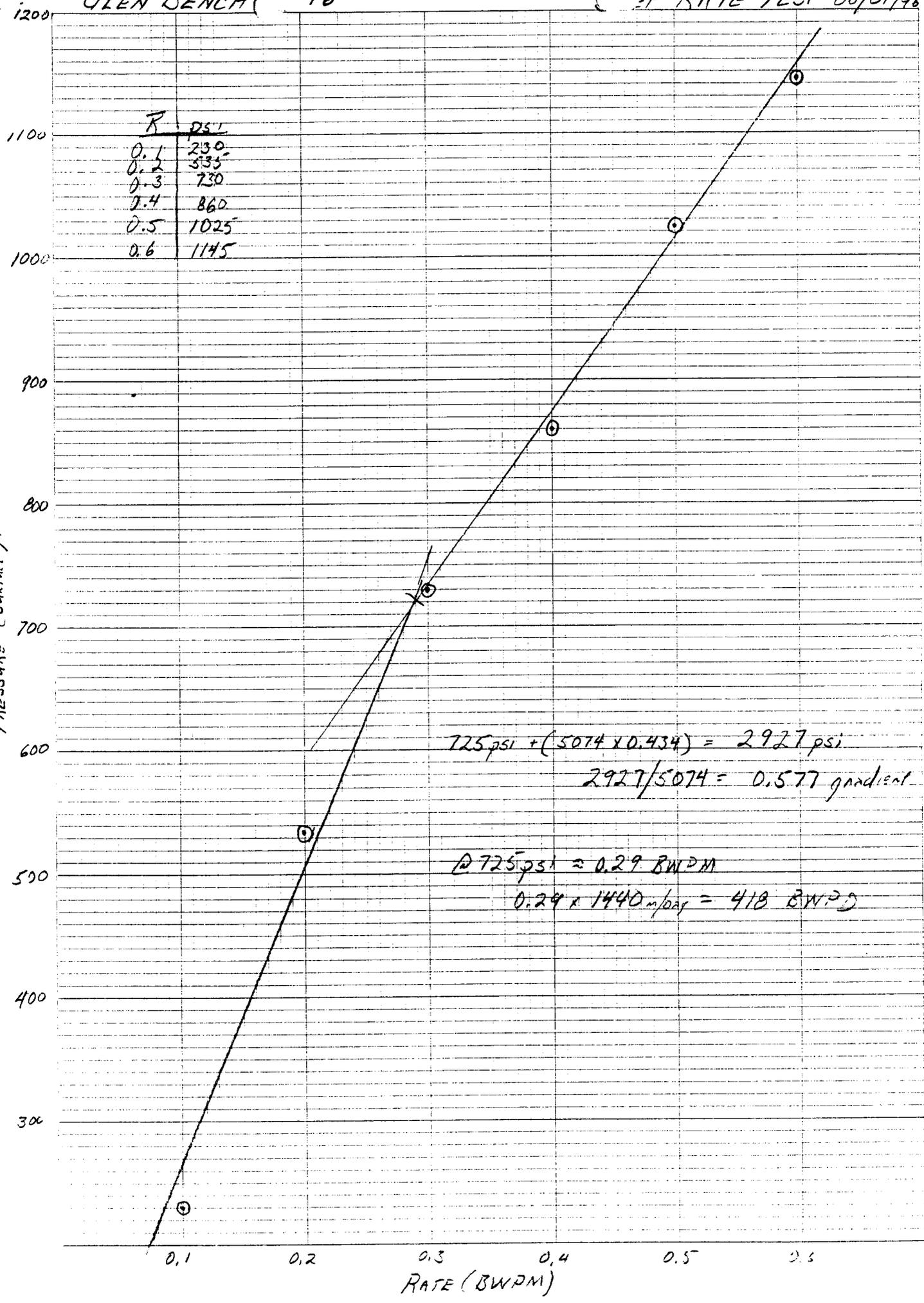
Job Number 149707 Recommendation ID # _____

GLEN BENCH # 7-16

IP RATE TEST 06/01/96

46 0702

10 X 10 TO THE INCH • 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.



Sun Oilfield Service, Inc.

Box 69 • Roosevelt, Utah 84066 • 801-722-3724



SUB-SURFACE SURVEY

Company Chandler & Associates, Inc. Field Glen Bench Lease and Well Glen Bench State #7-16
 County Uintah State Utah Date June 10/13, 1995
 T.D. _____ Formation _____
 Elevation _____ Casing _____
 Perforation 5070/5074' Tubing 5017'
 Datum Point 4980'

69:00 HOUR BHP BUILDUP SURVEY

<u>TIME (HOURS)</u>	<u>PRESSURE (PSI)</u>
---------------------	-----------------------

Top (In)	0
----------	---

0:00	32
------	----

-- On bottom at 11:00 AM, 6-10-95. Start BU.

0:05	34
------	----

0:10	34
------	----

0:15	35
------	----

0:20	35
------	----

0:25	36
------	----

0:30	36
------	----

0:35	37
------	----

0:40	39
------	----

0:45	40
------	----

0:50	40
------	----

0:55	40
------	----

1:00	42
------	----

1:15	44
------	----

1:30	45
------	----

1:45	47
------	----

2:00	49
------	----

2:15	50
------	----

2:30	52
------	----

2:45	54
------	----

3:00	55
------	----

3:30	59
------	----

4:00	64
------	----

4:30	68
------	----

5:00	72
------	----

5:30	74
------	----

6:00	78
------	----

7:00	84
------	----

8:00	92
------	----

9:00	100
------	-----

10:00	105
-------	-----

11:00	111
-------	-----

12:00	118
-------	-----

15:00	136
-------	-----

18:00	155
-------	-----

21:00	171
-------	-----

24:00	188
-------	-----

27:00	203
-------	-----

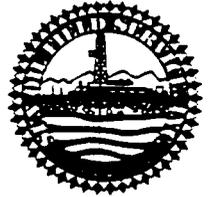
30:00	219
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33:00	233
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Conti. on pg. 2

Sun Oilfield Service, Inc.

Box 69 • Roosevelt, Utah 84066 • 801-722-3724



SUB-SURFACE SURVEY

Company Chandler & Associates, Inc. Field Glen Bench Lease and Well Glen Bench State # 7-16
 County Uintah State Utah Date June 10/13, 1995
 T.D. _____ Formation _____
 Elevation _____ Casing _____
 Perforation _____ Tubing _____
 Datum Point 4980'

Conti. from Pg. 1

<u>TIME (HOURS)</u>	<u>PRESSURE (PSI)</u>
36:00	247
39:00	259
42:00	266
45:00	284
48:00	295
51:00	307
54:00	317
57:00	329
60:00	340
63:00	353
66:00	360
69:00	368

-- Off bottom at 8:00 AM, 6-13-95.

69:00 HOUR BHP STATIC GRADIENT

<u>DEPTH (FEET)</u>	<u>PRESSURE (PSI)</u>	<u>GRADIENT (#/Ft.)</u>
Top	63	
3000	158	.031
4000	261	.103
4500	316	.110
4980	368	.108

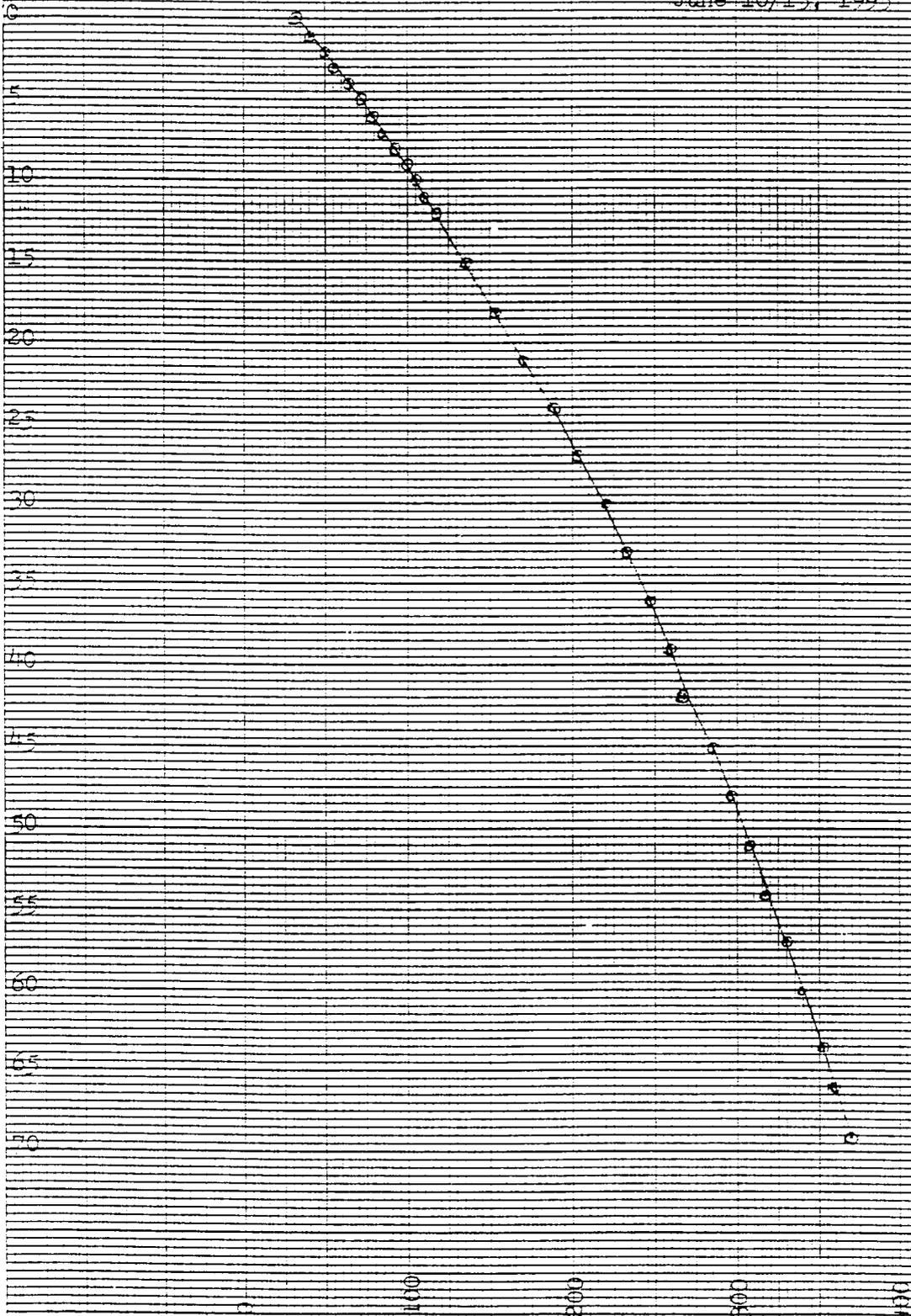
Remarks:

- Amerada instrument # 44999/2500 psi. 72 hr. clock.
- Temp. at 4980'/138°F.
- Approx. FL = 3300'.

46 1323

K&E 10 X 10 TO 1/4 INCH 7 X 10 INCHES
KEUFFEL & ESSER CO. MADE IN U.S.A.

TIME (HOURS)



Chandler & Associates, Inc.
Glen Beach State 7-10
69 W. Building
June 10/13, 1995

PRESSURE (PSI)

MELTON ENTERPRISES INC.

Box 606 Vernal, Utah Phone 801 789 2539

Company CHANDLER & ASSOCIATES
 Well GLEN BENCH STATE 7-16
 Location 1464 PEL 1736 PNL S16-T8S-R22E
 County UINTAH State UTAH

Depth Logged
 From 3500 To 5488
 Date Logged
 From 12-21-94 To 12-26-94
 Elev G.L. 4916' K.B. 4928'
 Mud Type _____

LEGEND

Sand		Siltstone	
Shale		Chert	
Limestone		Coal	
Dolomite		Igneous	
Anhydrite			

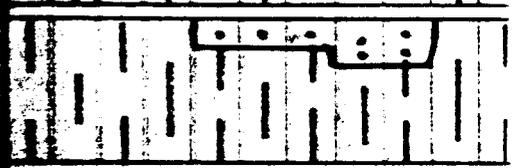
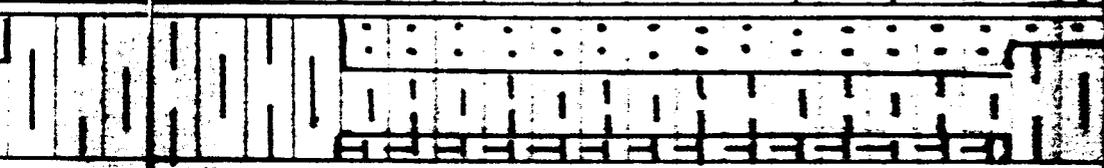
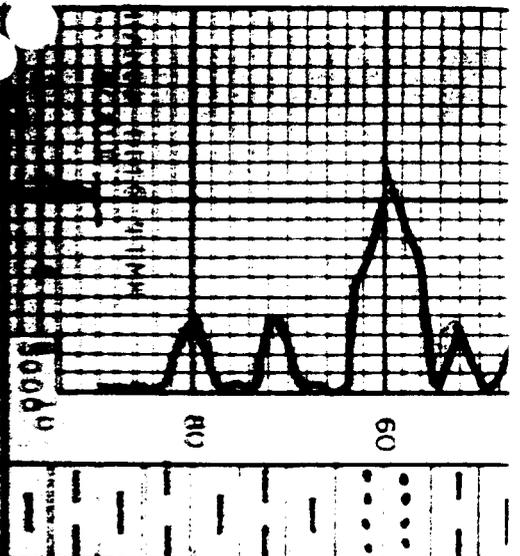
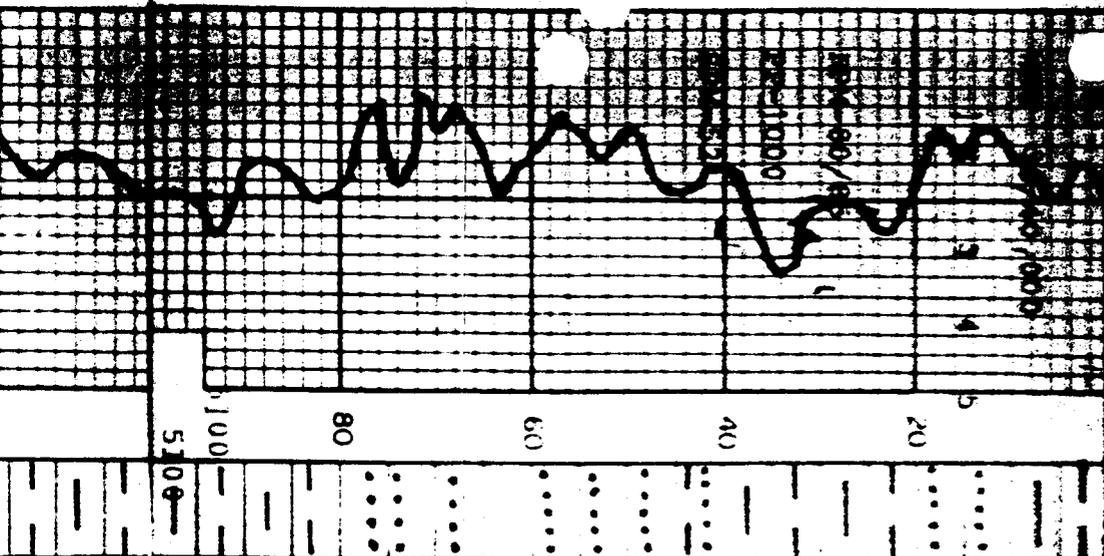
Calibration Chromatograph

5	Pentane
4	Butanes
3	Propanes
2	Ethane
1	Methane

Drill Rate - Min / Ft.				Depth	INTER.	PERCENT	Description	Poro	Cut	Flug	Mud Gas							
15	10	15	20								54	32	1	0	100	200	300	400
						3500	Mud Wt - Vis - WL - FC - Ph - Cl.	TFG	TFG	100 %								
				20			OIL SH LF-DK BRRN, FIRM CALC. I.E. DOLIC I.E.											
				40			OIL SH BEC. MORE TAN PLATY DOLIC.											
				60														
				80			DRLG WITH WATER, SAMPLES V/ FINE GROUND BUT LEGIBLE.											
				3600			OIL SH 50% TAN PLATY, 50% BRN-DK BRN.											

WOB=33740,000
 RPM 30735
 PP 1000
 SPM 52

REV = 2.0



SS WII FG, ANG-SUB ANG.

LIS LIP GY BIRN ABRI.

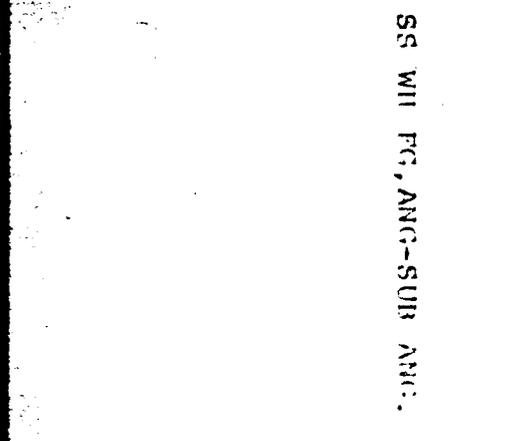
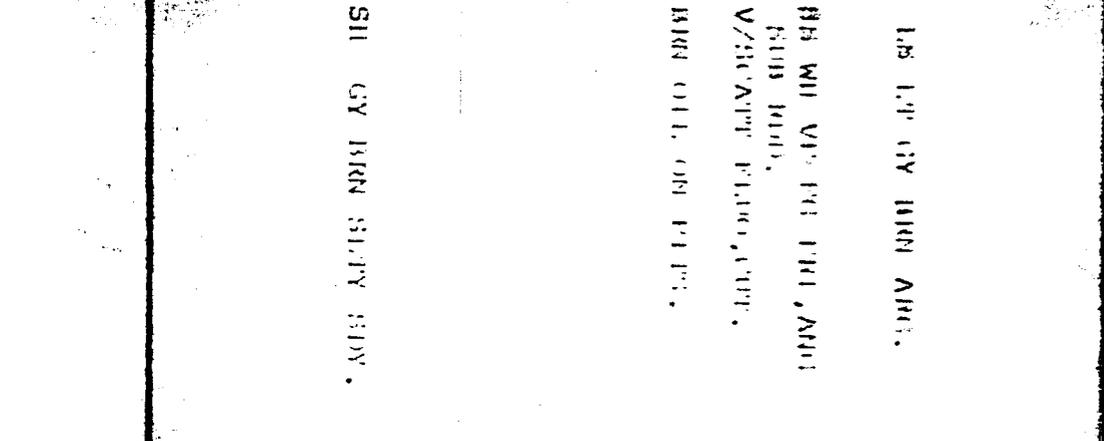
BB WII VU PII PII, AND

SUB BIRD.

V/SIC/AVP PLACD, AVP.

BIRD OIL, ON PII PII.

SII GY BIRN SEIVY BOW.



Precision Core Analysis, Inc.

Chandler and Associates, Inc.
 Glen Bench State #6-16
 SE NW Sec. 16 T8S R22E
 Uinta County, Utah

Job: 9463
 Date: 09-Dec-94

Reference Number	Depth (ft)	Perm Air (md)	Perm Klink (md)	Helium Porosity (%)	Saturations Water (%)	Oil (%)	Grain Density (g/cc)	Sample Description
		<i>Core No. 1</i>		<i>Green River Fm.</i>		<i>5100.0'-5150.0'</i>		<i>Rec. 50.0'/50.0'</i>
1	5113.8	14.2	11.5	9.3	18.6	9.3	2.68	Sst lt gry vf gr calc
2	5114.7	55.2	46.9	12.8	25.3	12.7	2.68	Sst lt gry vf gr calc
3	5115.8	45.1	38.0	13.5	22.4	11.2	2.67	Sst lt gry vf gr calc
4	5116.3	63.8	54.7	13.0	23.5	11.7	2.68	Sst lt gry vf-f gr sl calc
5	5117.5	4.62	3.69	8.9	27.1	8.5	2.69	Sst lt gry f gr sl calc lam
6	5118.1	0.875	0.664	5.2	40.7	10.2	2.67	Sst lt gry f gr sl calc lam

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Glen Bench State 7-16
API number: 43-047-32582
2. Well Location: QQ SWNE Section 16 Township 8S Range 22E County Uintah
3. Well operator: Chandler & Associates, Inc.
Address: 475 17th St, Ste 1000
Denver, Co 80202 Phone: (303) 295-0400
4. Drilling contractor: Chandler Drilling Corp
Address: 475 17th St, Ste 1000
Denver, Co 80202 Phone: (303) 295-0400
5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
NA	NA	NA	NA

6. Formation tops: Glen Bench SS 5068'
- White River SS 5322'
- Basal SS 5420'

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge. Date: Jan 13, 1995

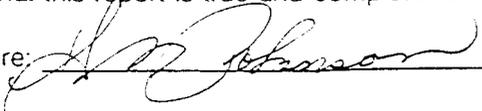
Name & Signature:  Title: Mgr, Prod/Operations

Table 1. Generalized stratigraphic column describing the major bedrock units and their hydrologic characteristics (modified from Hood, 1976, table 1)

Division or Sub-System	Series	Formation or rock unit	Maximum known thickness (feet)	Description	Hydrologic significance	
CENEZOIC MOUNTAIN	Miocene	Browns Park Formation	1,200	Extremely variable deposits of sandstone, tuffaceous rock, and conglomerate.	Very low to moderate permeability. Yields small quantities of fresh water to springs and wells in the Brown Creek and Diamond Mountain areas north and northeast of Vernal. Probable source of some springs on the slopes of the central Uinta Mountains.	
		Bishop Conglomerate	300	Conglomerate of sandstone, quartzite, metamorphic, and volcanic rock fragments. Considered by some geologists to be the basal part of the overlying Browns Park Formation.		
	Oligocene	Extrusive igneous rock	100(?)	Mostly andesitic pyroclastics; may be the Keetley Volcanics or equivalent. Present as erosional remnants on the highest hills near Wolf Creek Pass.	Yields water to some small springs; most of these springs are along fractures or formation contacts.	
		Duchesne River Formation	3,800	A mostly fluvial facies. Shale, mostly red, siltstone, marlstone, sandstone, and conglomerate, unconformably underlying younger rocks from near the Colorado State line to near Strawberry Reservoir. Coarsest grain sizes are near the basin margins where the formation interfingers with other formations. In the central part of the basin it is gradational with the underlying Uinta Formation and consists of interbedded sandstone and shale. Sandstone is most abundant in the lower part and, with conglomerate, is found in the upper part. The sandstone is of two types: a light-colored (commonly yellow) channel deposit, and a darker, more compact, better cemented interchannel (?) lenticular deposit. In most of its extent the formation is slightly to strongly fractured. Fractures are locally re-cemented with calcium sulfate.	Very low to very high permeability. The horizontal intergranular permeability of 19 sandstone samples ranged from 0.00033 to 3.23 md (feet per day). Porosity ranged from 7 to 32 percent. Aquifer permeability is enhanced by fracturing. Yields of wells and springs range from less than 1 to more than 300 gpm (gallons per minute), usually with large drawdowns in wells. The most permeable rocks seem to be near edges of outcrops west of Roosevelt in the central basin; the least permeable rocks seem to be in areas north and east of Fort Duchesne. Water movement may be impeded locally by gilsonite dikes. Near recharge areas, or where the formation is fractured or is moderately permeable, the water usually is fresh. At greater depths where the formation is of very low permeability, the water is slightly saline to briny. Confined conditions are common. In the lower parts of the basin, such as near Roosevelt, artesian heads may be more than 100 feet above land surface, but in other parts of the basin, water levels are below land surface.	
		Uinta Formation	4,000	Calcareous shale, some limestone, claystone, siltstone, and sandstone. It is a fluvial facies in the eastern and western ends of the basin that interfingers with rocks similar in appearance to the overlying Duchesne River Formation. Grades laterally into thinner bedded calcareous lake deposits in the center of the basin.	Very low to very high permeability. Largest primary intergranular permeability of the sandstone seems to be about the same as that of the main part of sandstone in the Duchesne River Formation. Most of the formation is finer grained, and, therefore, of lower primary permeability than the Duchesne River Formation. Permeability is greatly increased where the Uinta Formation is fractured. In most of the area, the formation yields only a few gallons per minute of saline water to wells and springs. In some areas the water has high fluorine and boron concentrations. Locally, flowing wells yield fresh to slightly saline water. In the fluvial facies, particularly where the rocks are fractured, yields are larger.	
	Eocene	Green River Formation	7,000	Mostly lacustrine shale that contains some limestone, marlstone, and siltstone. The formation includes beds of oil shale and of carbonate evaporite. The Green River interfingers with both the overlying Uinta and underlying Wasatch Formations, as well as laterally with other formations near the shores of the basin.	Very low to low permeability, except where fractured. Sandstones near oil-shale beds have values of transmissivity from 0.9 to 0.4 ft ² /day (feet squared per day). In most of the basin the formation yields only saline or brack water, though in and near the area of outcrop in the southern part of the basin the water is fresh to slightly saline, and in the area of outcrop near Strawberry Reservoir the water is fresh where the formation is fractured.	
		Wasatch Formation	5,000	In most of the basin is mainly lacustrine shale, sandstone, and conglomerate. Interfingers with the overlying and underlying formations and laterally with the North Horn, Current Creek, and Green River Formations. Crops out only in the western end of the northern Uinta Basin and in the canyons or deeply-incised streams in the southern Uinta Basin.	Very low to low permeability except where fractured. In the Greater Altamont-Bitterroot oil field the Wasatch cores reportedly have only 4 to 5 percent porosity, but are permeable because of fracturing. Much of the water produced with petroleum is markedly saline to very brackish; however, the water is less mineralized than is water from the Green River Formation.	
	MESOZOIC AND PALAEZOIC OCCUPANTS AND TERRACES	Upper Cretaceous and Paleocene	Current Creek Formation	4,000	Current Creek Formation--fluvial deposits of very coarse conglomerate and cross-bedded conglomeratic sandstone, locally cemented. Diameters of the largest boulders exceed 3 feet. Interfingers laterally with the North Horn and Wasatch Formations. May interfinger with the Green River Formation in the northward from the northwestern corner of the basin.	Low to very high permeability. Primary permeability of a sample from the outcrop in the Duchesne River valley was 1.44 ft ² /day and porosity was 10 percent; these probably are maximum primary values for the formation. Sand and rock has a permeability of more than 100 ft ² /day with 10-15 percent porosity. Water produced with petroleum in areas of outcrop is fresh near the outcrop; water in the formation is fresh.
			North Horn Formation	5,000	North Horn Formation--fluvial, mainly sandstone, and conglomerate, and lacustrine, mainly siltstone, claystone, and shale. Interfingers laterally with the Current Creek and Wasatch Formations, and the intertongues with the underlying Green River Formation. Thinly bedded.	Low to very high permeability. Primary permeability of a sample from the outcrop in the Duchesne River valley was 1.44 ft ² /day and porosity was 10 percent; these probably are maximum primary values for the formation. Sand and rock has a permeability of more than 100 ft ² /day with 10-15 percent porosity. Water produced with petroleum in areas of outcrop is fresh near the outcrop; water in the formation is fresh.
		Water-Covered	Madison Formation	4,000	Madison Formation--fluvial, mainly sandstone, and conglomerate, and lacustrine, mainly siltstone, claystone, and shale. Interfingers laterally with the Current Creek and Wasatch Formations, and the intertongues with the underlying Green River Formation. Thinly bedded.	Very low to low permeability. Primary permeability of a sample from the outcrop in the Duchesne River valley was 1.44 ft ² /day and porosity was 10 percent; these probably are maximum primary values for the formation. Sand and rock has a permeability of more than 100 ft ² /day with 10-15 percent porosity. Water produced with petroleum in areas of outcrop is fresh near the outcrop; water in the formation is fresh.

CURRENT CONSTRUCTION

Well Name : Glen Bench State #6-16

Date : 06/22/95

Location : 2191' FWL & 1559' FNL SENW) Sec. 16, T8S R22E

County : Uintah

Field : Glen Bench

State : Utah

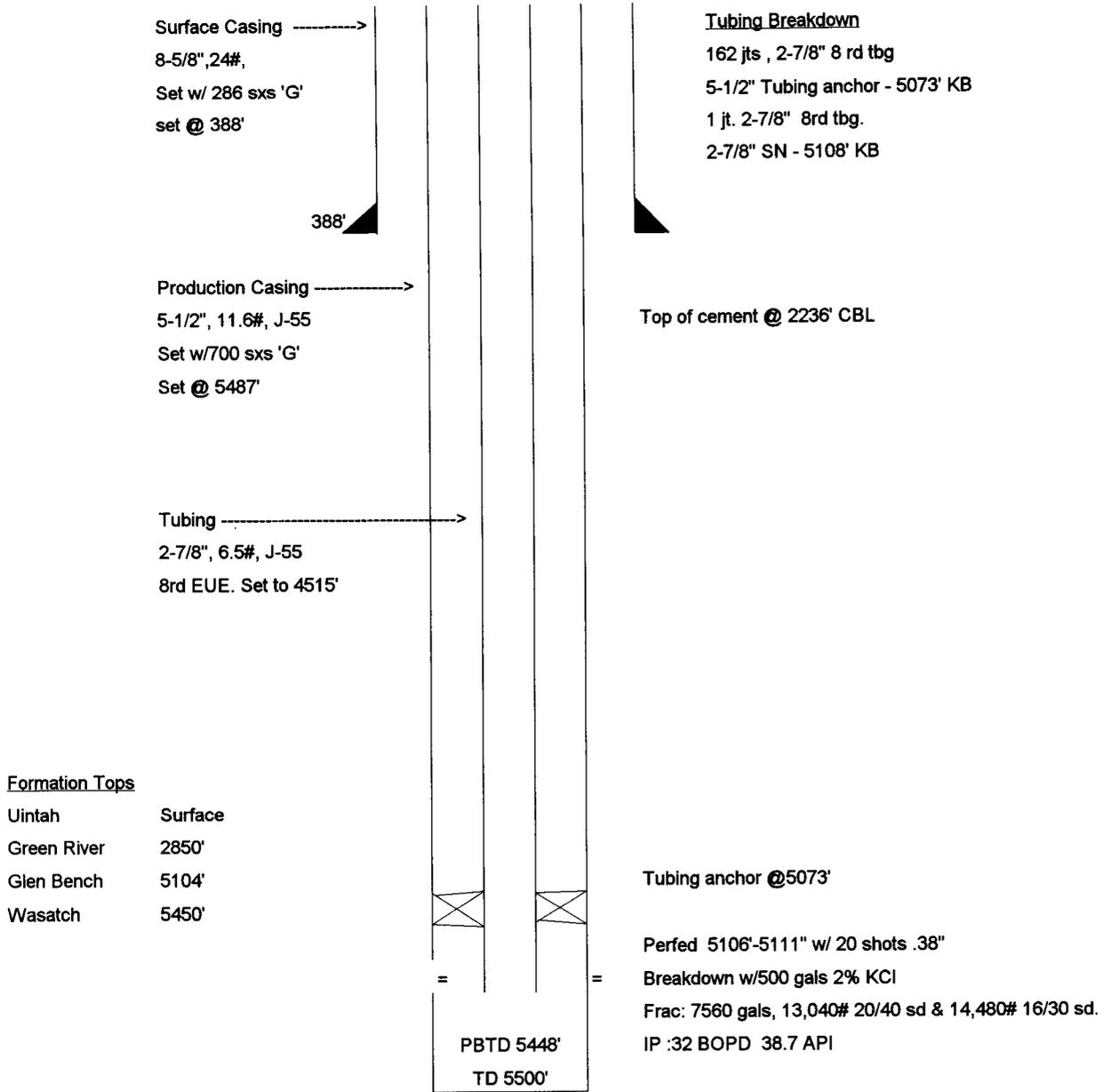
Spud: 11/27/94

KB : 4948'

Comp: 12/19/94

GL : 4936'

API: 43-047-32549



Rods & Pump Detail : 2-1/2"x1 1/2" x 15' Top Hold Down RHAC pump
 154-3/4" rods, 49-7/8" rods, 1-6"x1" polish rod

CEMENT BOND LOG WITH GAMMA RAY & CCL.

COMPANY CHANDLER & ASSOCIATES, INC.

WELL GLEN BENCH STATE #6-16

FIELD GLEN BENCH

COUNTY UINTAH STATE UTAH

Location 1559' FNL & 2191' FWL

API Serial No.	Sect.	Twp.	Range
N/A	16	8S	22E1

Other Services:
CBI
PIRI

Country UINTAH
Field GLEN BENCH
Location 1559' FNL & 2191' FWL
Well GLEN BENCH STATE #6-16
Company CHANDLER & ASSOCIATES, IN

Permanent Datum G1 Elev. 4936
Log Measured From K13 above Perm. Datum
Drilling Measured From K13

Date 10/11/1999
Run No. ONI
Depth-Driller 5440
Depth-Logger 5426
Btm. Log Interval 5426
Top Log Interval 2000
Open Hole Size

Casing Fluid WATER
Fluid Level 1011
Max. Rec. Temp. 91.14
Est. Cement Top 91.14
Unit District EXO 4314
Recorded By GLO. REID
Witnessed By JIM SIMINGTON

CASING REC.	Size	Wt/Ft	Grade	Type Joint	Top	Bottom
Surface String						
Prod. String	4.5	15.5			SURFACE	110
Liner						

PRIMARY CEMENTING DATA

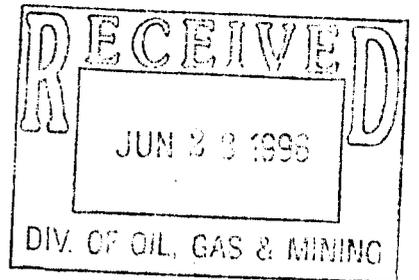
STRING	Surface	Protection	Production	Liner
Vol. of Cement		N/A		
Type of Cement				
Additive				
Retarder				
Wt. of slurry				
Water loss				
Type fluid in csg.				
Fluid wt.				

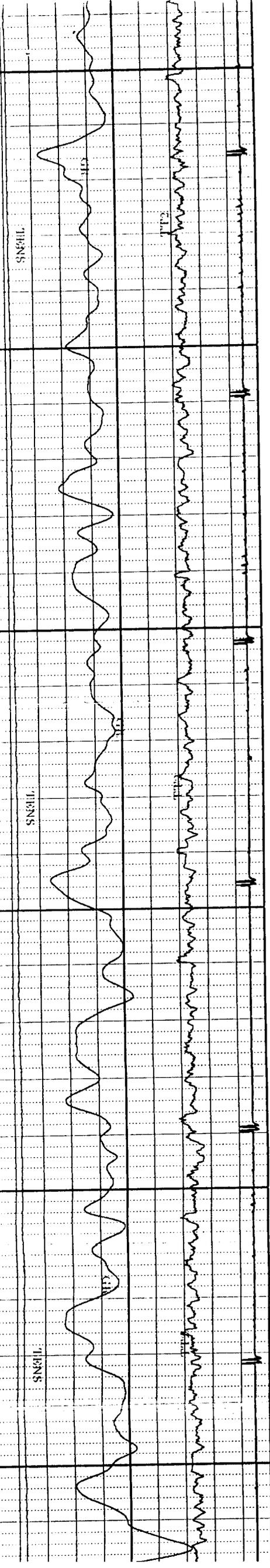
REMARKS

LOGS CORRELATED TO SWS DUAL INDUCTION-SFL
LOGED 09-DEC-1994.

CREW ADOLPH VIERYA.

THANK YOU FOR USING SCHLUMBERGER'S
BLUE STREAK SERVICES!

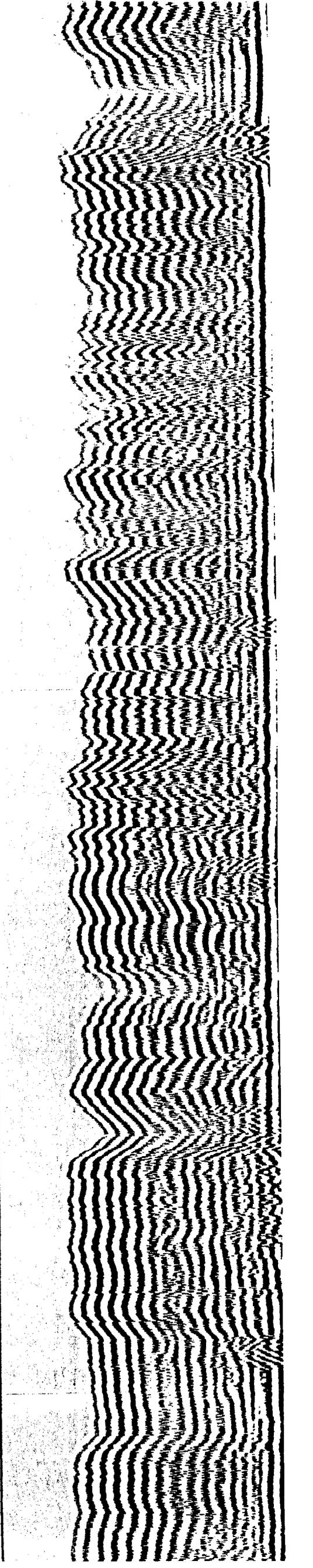
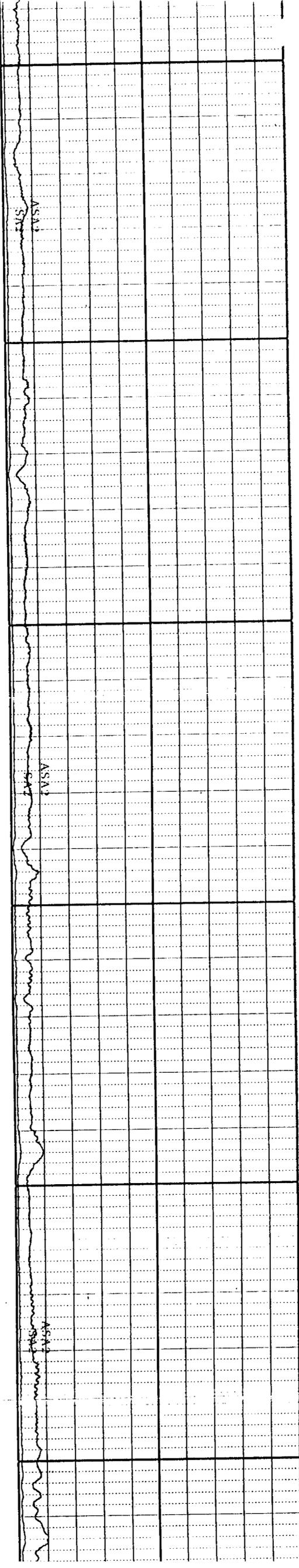


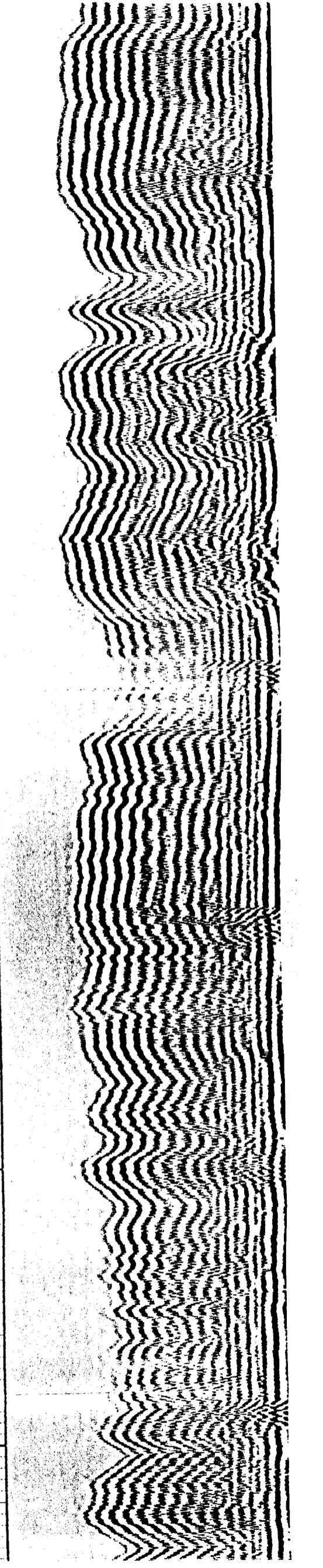
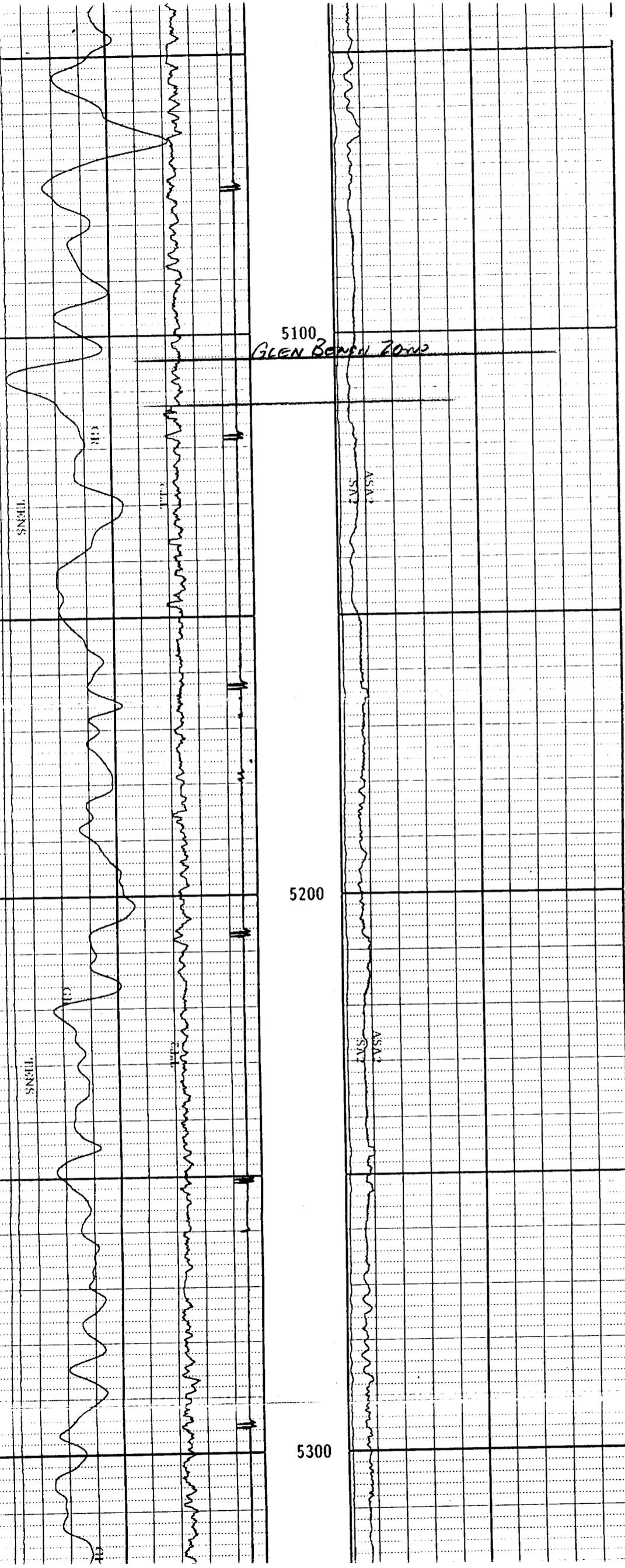


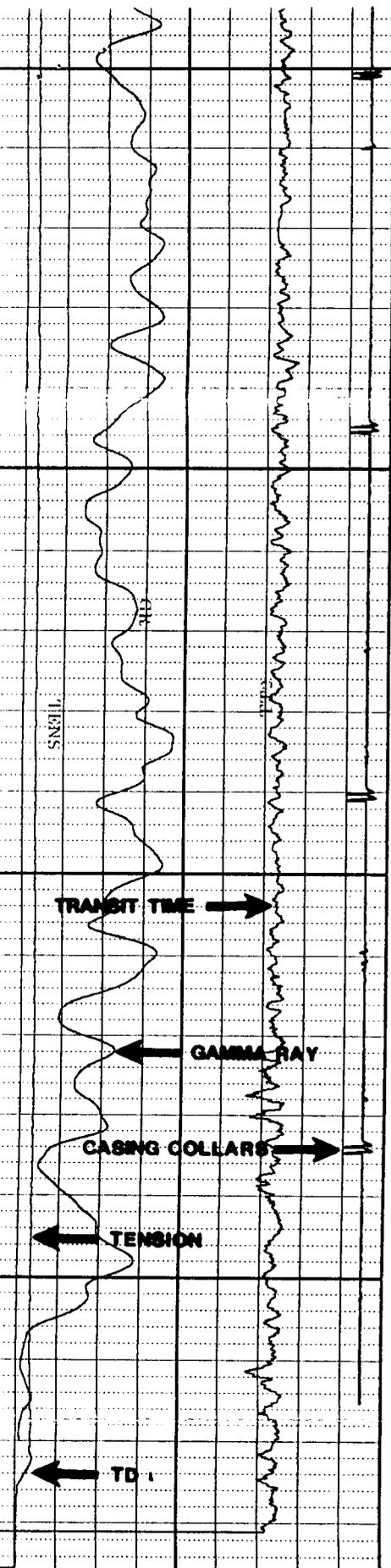
4800

4900

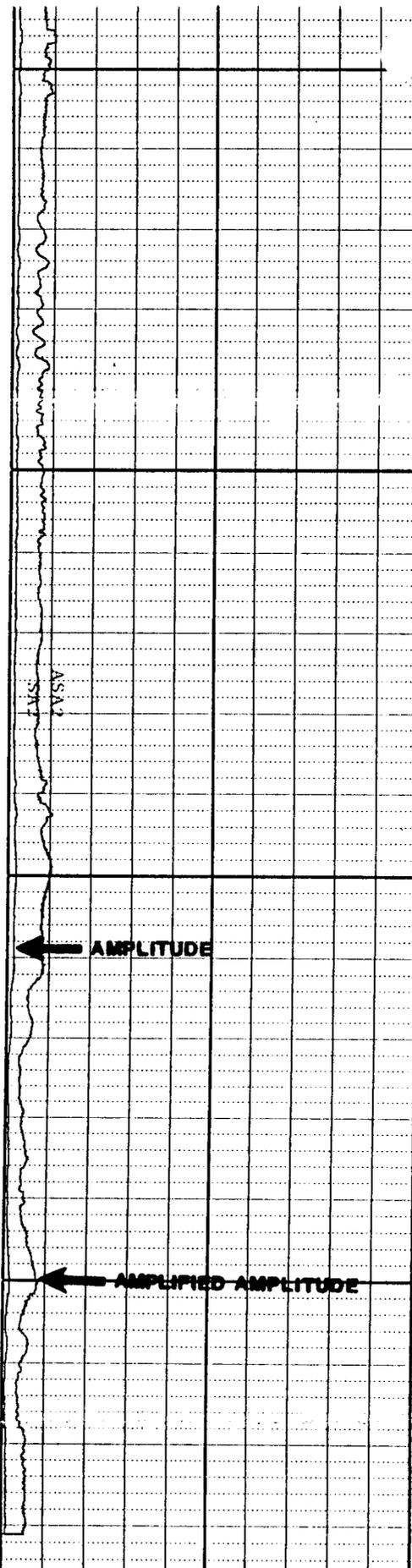
5000



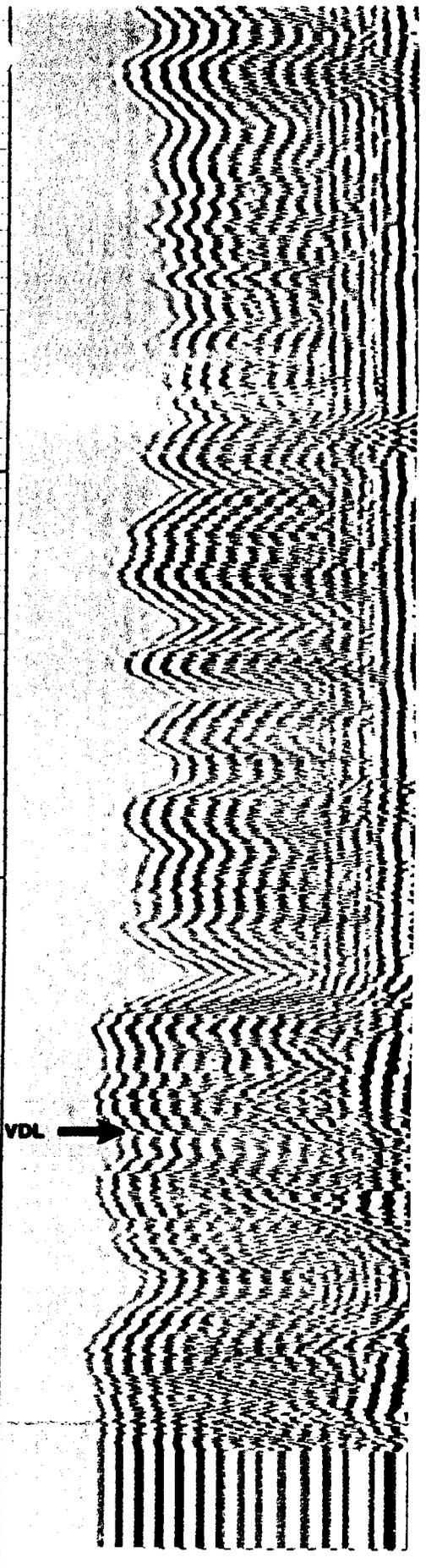




5300



5400



350	CCL	350
	GR	150
00	TT2	200
	TENS	8000

0	ASA2	20
0	SA2	100

200	VDL	1200
-----	-----	------

Film Scale 5 in = 100 feet (5 inch)

Sensor Measure Point to Tool Zero

SLTJ'FREC	3.5	ft.
SLTJ'NREC	4.5	ft.
SGTG'GR	15.5	ft.
CCL-AJ	20.2	ft.
TENS	0.0	ft.
SPEED	0.0	ft.

CURRENT CONSTRUCTION

Well Name : White River Unit #45-16

Date : 06/22/95

Location : 647' FEL & 509' FNL (NENE) Sec. 16, T8S R22E

County : Uintah

Field : White River

State : Utah

Spud: 10/17/84

KB : 4913'

Comp: 11/29/84

GL : 4901'

API: 43-047-31403

Surface Casing ----->
9-5/8", 36#, K-55, STC
Set w/ 200 sxs 'G'
set @ 195'

Tubing Breakdown

168 jts , 2-7/8" 8 rd tbg - 5316.05 KB
5-1/2" Tubing anchor - 5328.05 KB
1 jt. 2-7/8" 8rd tbg.
2-7/8" SN - 5362.46' KB
Tubing landed @ 5395.18' KB

195'

Production Casing ----->
5-1/2", 17#, J-55
Set w/500 sxs 50-50 poz-mix
Set @ 5518.25'

Top of cement @ 4010' CBL

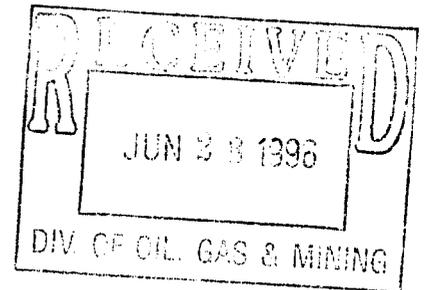
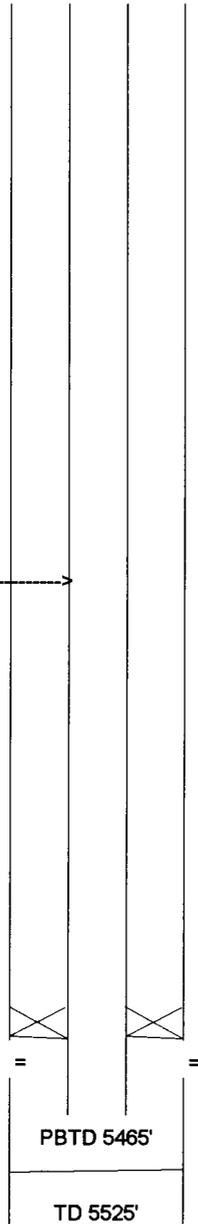
Tubing ----->
2-7/8", 6.5#, J-55
8rd EUE. Set to 5395.46'

Perfed 5350'-5365' w/ 30 holes
Breakdown w/19,800 gals 15% CRA w/inhibitor
5000 gal x linked gel wtr.
IP : 28 BOPD 28.2 API
14 MCFGPD

Formation Tops

Uintah Surface
Green River 2089'
White River Sand 5350'-65'

Tubing anchor @ 5328.05



Rods & Pump Detail : 2-1/2"x1 1/2" x 12'x14'Top Hold Down RHAC pump
10-1", 107-3/4" , 53-7/8" x 25', 43 -1", 101/4"x22' pony w/ 1/2"x10'

JAN 29 1985

FILING NO.

DIV. OF OIL, GAS & MINING

COMPANY BELNORTH PETROLEUM CORPORATION

WELL WHITE RIVER UNIT NO. 45-16

FIELD WHITE RIVER

COUNTY LINNIAH STATE UIAH

LOCATION

Other Services PERFORATE

SEC 16 TWP 8S RGE 22E

Permanent Datum G.L. Elev. 4901'

Log Measured from K.B. 12 Ft. Above Permanent Datum

Drilling Measured from K.B.

Date 11-10-84 Type Fluid in Hole 5% K.C.L.

Run No. ONE

Depth-Driller 5470' Max. Rec. Temp.

Depth-Logger 5453' Est. Cement Top

Htm. Log Interval 5445' Equip. Location 6082/7214 VERNAL UT.

Top Log Interval 3590' Recorded By CHRISTIANSEN

Hole Size 8.75" Witnessed By

CASING REC. Size Wt./Ft Grade Type Joint Top Bottom

Surface String 9 5/8 36# SURFACE 195'

Prot. String 5.50 17# SURFACE 5518'

Prod. String

Liner

PRIMARY CEMENTING DATA

STRING Surface Protection Production Liner

Vol. of Cement

Type of Cement

Additive

Additive by %

Retarder

Retarder by %

Wt. of Slurry

Water Loss

Drill. Mud Type

Drilling Mud Wt.

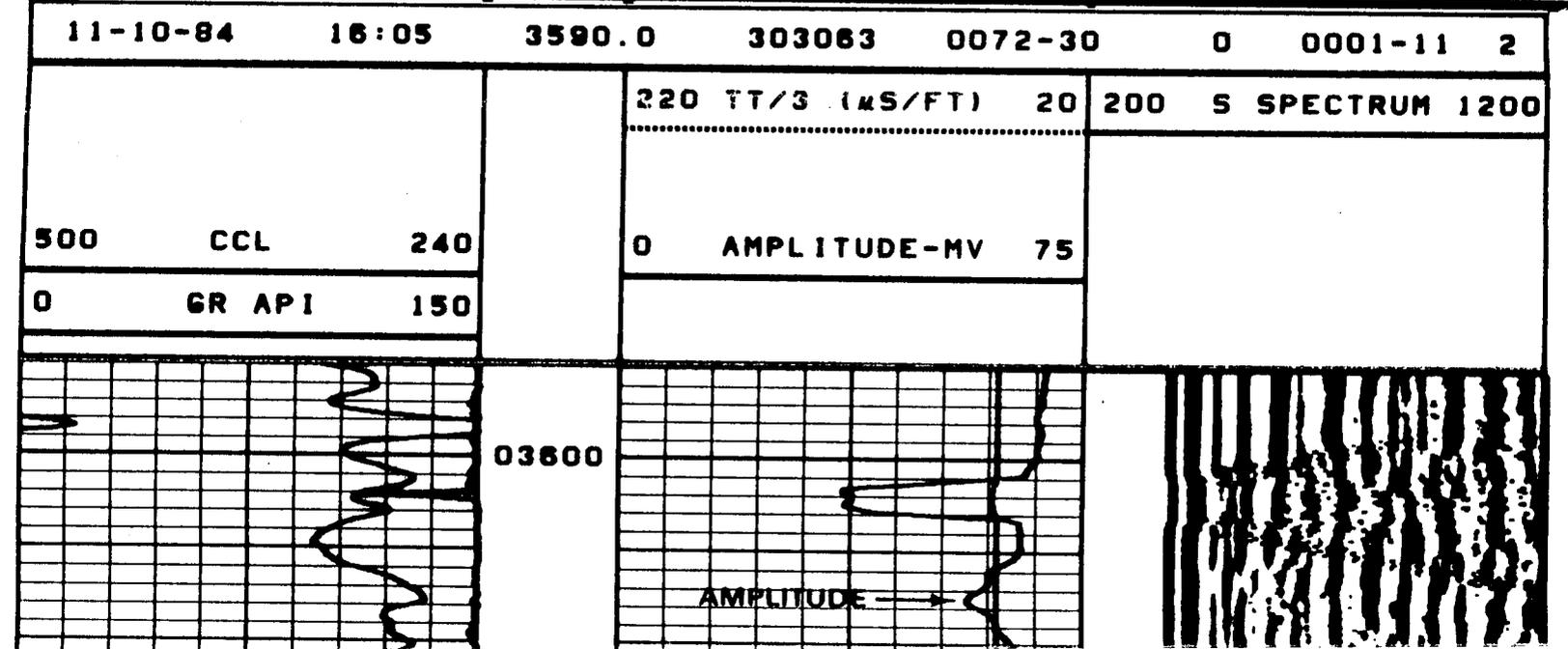
PRIMARY CEMENTING PROCEDURE			BOND EQUIPMENT DATA		
Hour	Date	Tool No.	Tool Type	Tool Size	
Started Pumping Cement		339	COMBO	3.25"	
Plug on Bottom		Centralizer:	Type RUBBER	Size 5.50"	
Release Pressure		No. 2	Position TOP & BOTTOM		
Finish Cementing Operation		Transmitter to Receiver Spacing		3' & 5'	
Start Cement Bond Log	14:52 11-10-84	Amplitude	Seismic Spectrum	Travel Time	
Finish Cement Bond Log	16:05 11-10-84	3'	5'	3'	

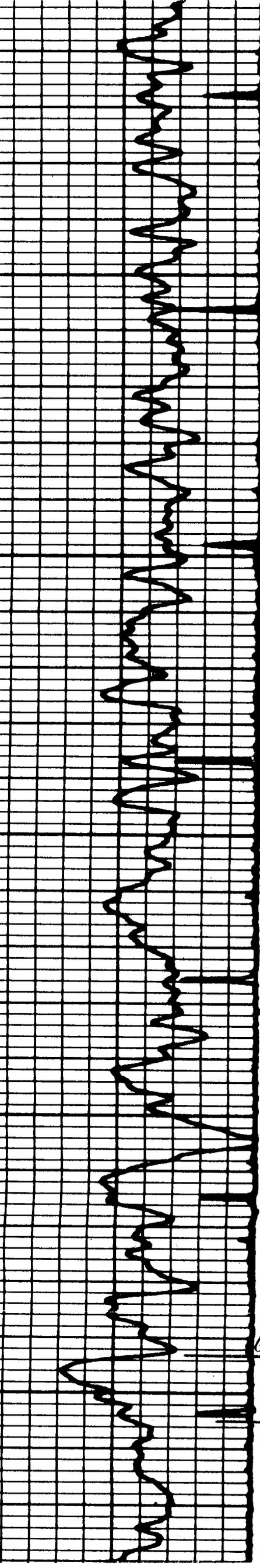
GAMMA RAY EQUIPMENT & LOGGING DATA										
Tool No.	339	Depths		Speed FPM	T. C. Sec.	Bkg. Cps.	Cal. Cps.	Sens.	Zero Div. L or R	Api F Log D
Tool Model No.	COMBO	From	To							
Diameter	3.25"	5440'	3590'	35	AUTO	120	370	250	-	15
Detector Model No.										
Type	SCINT									
Length										
Distance to N. Source										

REMARKS: MAIN LOG RAN WITH 1000 PSI @ SURFACE.
REPEAT LOG RAN WITH NO PRESSURE @ SURFACE.

NOTICE: Gearhart Industries, Inc. cannot and does not guarantee the accuracy or correctness of any log data or of any interpretation thereof and shall not be liable or responsible for any loss, cost, damage or expense incurred or sustained by Customer resulting from any log data or interpretation made by Gearhart Industries, Inc. or any of its agents, servants or employees. Unless there is presently in effect a master or other specific or general contract intended to extend and apply hereto, this Log is provided in accordance with Gearhart Industries, Inc.'s General Terms and Conditions as set out in its current price schedule.

GEARHART INDUSTRIES, INC.



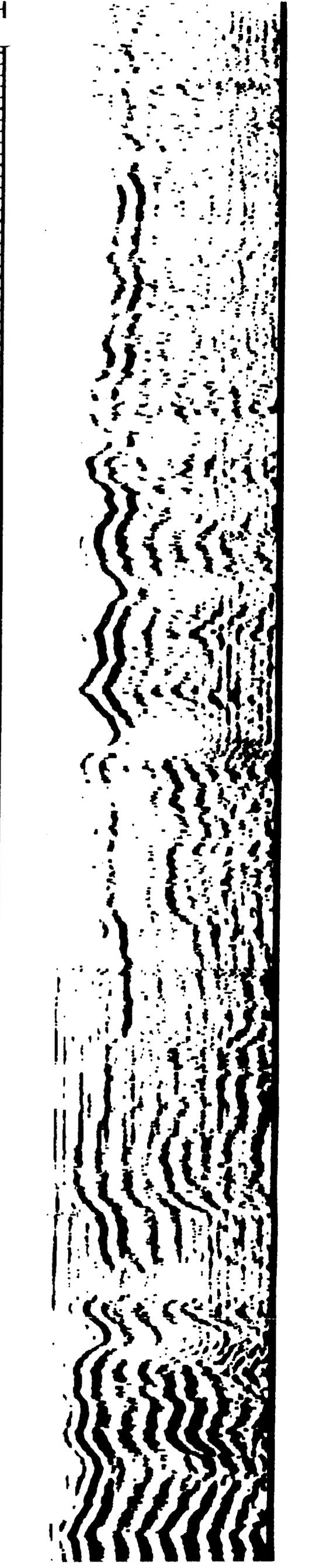
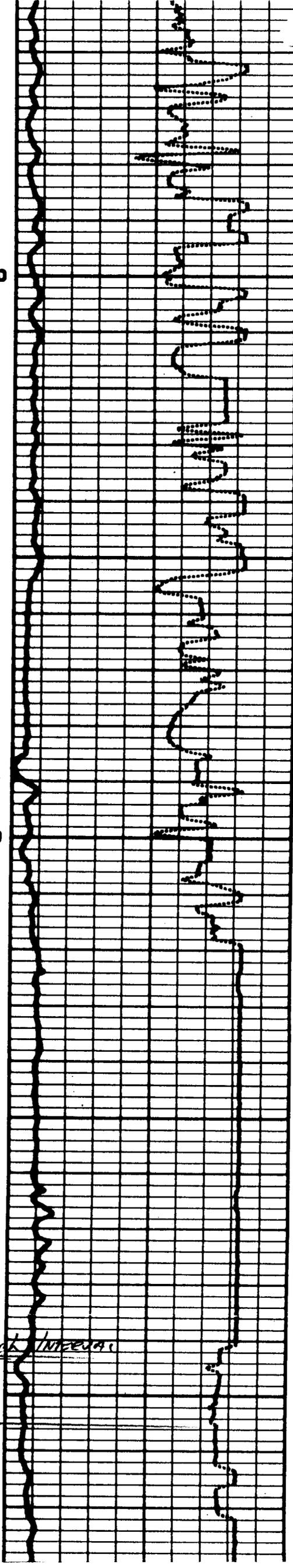


04900

05000

Glen Beach / INTEL

05100



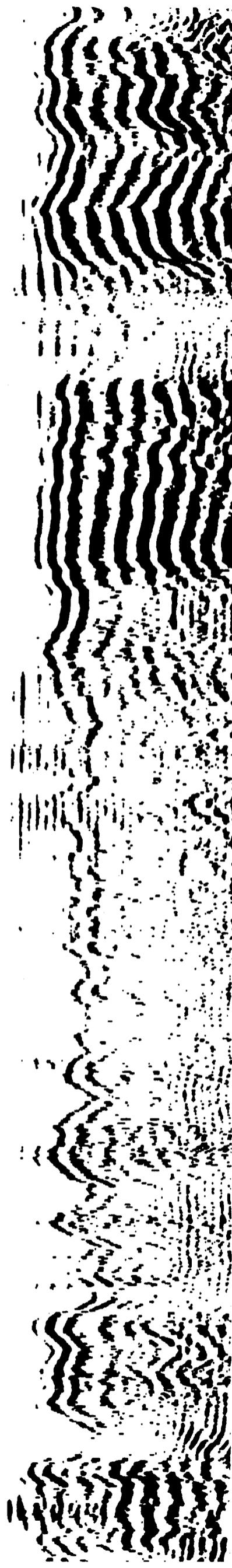
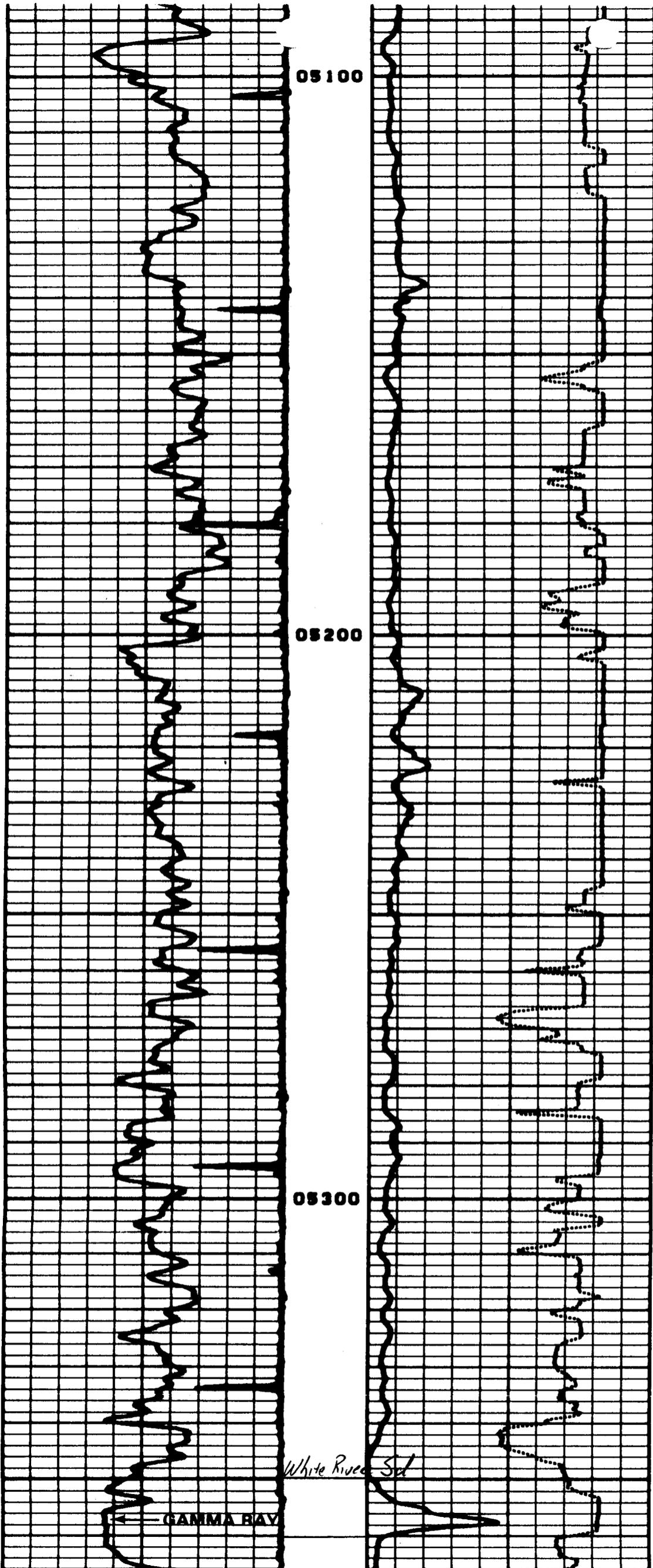
05100

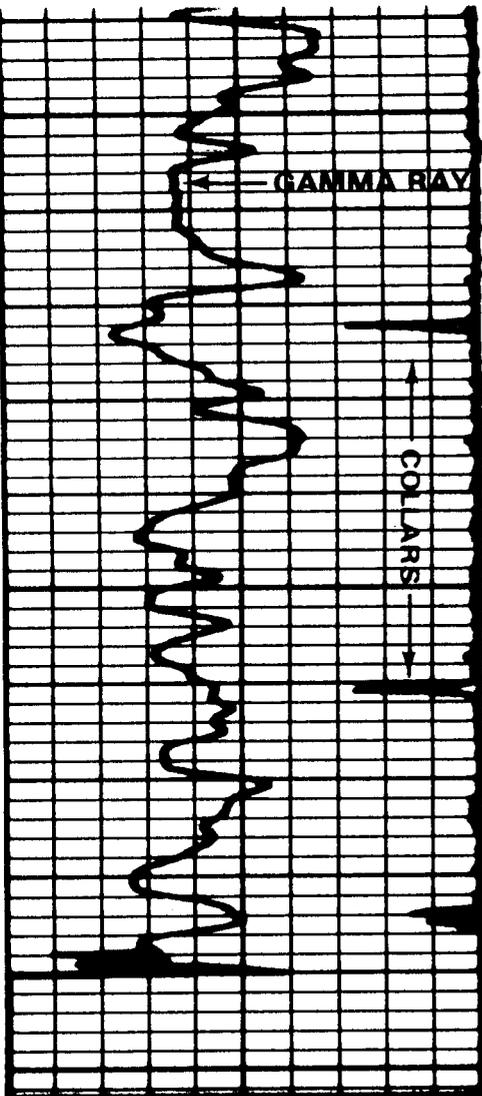
05200

05300

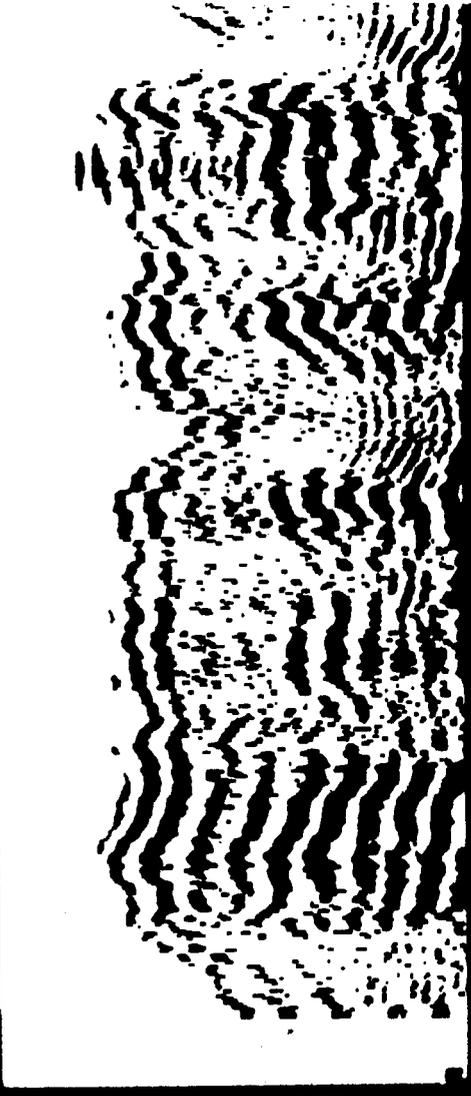
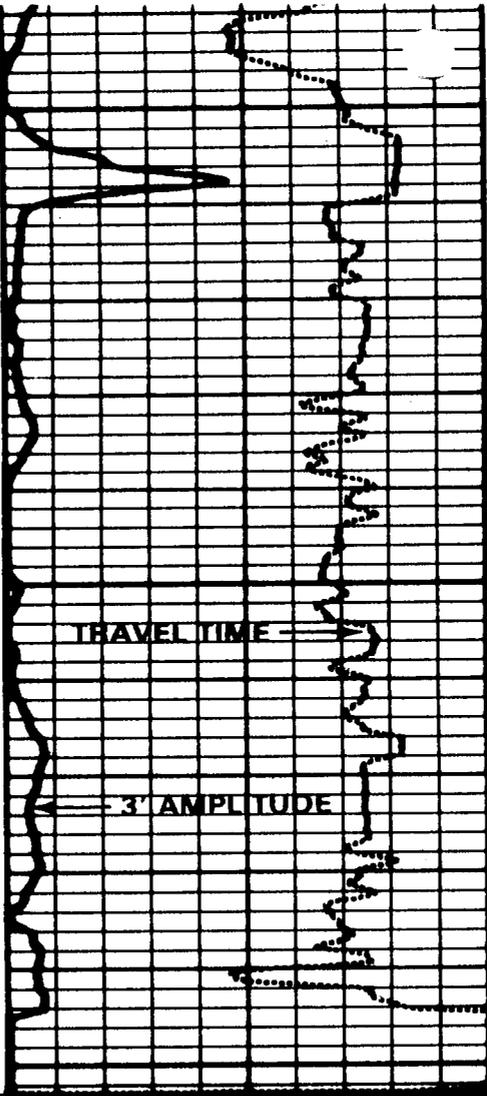
White River Sed

GAMMA RAY





05400



			220 TT/3 (MS/FT) 20	200 S SPECTRUM 1200
500 CCL 240				0 AMPLITUDE-MV 75
0 GR API 150				
11-10-84 15:15	5453.0	303063	0072-30	0 0001-11 2

REPEAT SECTION

11-10-84 14:58			5253.0	303063	0072-30	0 0001-11 1
			220 TT/3 (MS/FT) 20	200 S SPECTRUM 1200		
500 CCL 240				0 AMPLITUDE-MV 75		
0 GR API 150						
			05300			

CURRENT CONSTRUCTION

Well Name : White River Unit #43-16

Date : 06/22/95

Location : 1856' FWL & 630' FNL (NENW) Sec. 16, T8S R22E

County : Uintah

Field : White River

State : Utah

Spud: 08/09/83

KB : 4987'

Comp: 09/23/83

GL : 4972'

API: 43-047-31354

Surface Casing ----->
9-5/8", 36#, K-55, STC
Set w/ 200 sxs 'G'
set @ 211'

211

Production Casing ----->
5-1/2", 17#, J-55
Set w/950 sxs 50-50 poz-mix
Set @ 4900'

Tubing ----->
2-7/8", 6.5#, J-55
8rd EUE. Set to 4515'

Tubing Breakdown

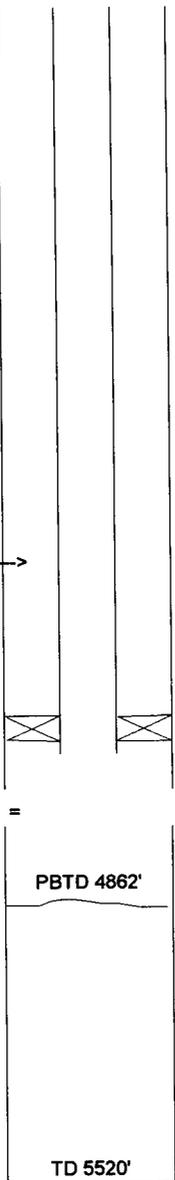
138 jts , 2-7/8" 8 rd tbg - 4364.44 KB
5-1/2" Baker Tubing anchor - 4368.04 KB
1 jt. 2-7/8" 8rd tbg.
2-7/8" SN - 4400.68' KB
Tubing landed @4432.32' KB

Top of cement @ 4055' CBL

Tubing anchor @4368.04'

Formation Tops

Uintah	Surface
Green River	2200'
Pay Sand	4663'-4700'



Perf'd 4663'-74 & 4695'-4700' w/ 2 jspf
Breakdown w/1000 gals 15% HCl
Frac: 27,890 gals, 64,000# 20/40 sd
IP : 80 BOPD 28.1 API
15 BWPD

Rods & Pump Detail : 2-1/2"x1 1/4" x 15' Top Hold Down RHAC pump
1-2"x3/4" pony, 10-1" rods, 94-3/4"rods,64-7/8"rods, 10-1"rods, 1-6"x1" poiish

RECEIVED

O.W.P.

ACoustic CEMENT BOND -
GAMMA RAY LOG

DIV. OF OIL & GAS

JUN 23 1983

WELL OPERATORS

COMPANY CO
 WELL WHITE RIVER 43-16
 FIELD WHITE RIVER
 County UINTAH
 State UTAH
 File _____

COMPANY BELO PETROLEUM CORPORATION
 WELL WHITE RIVER UNIT #43-16
 FIELD WHITE RIVER
 COUNTY UINTAH STATE UTAH

Location NE/NW
1856'FWL & 630'FNL

Sec. 16 Twp. 8S Rge. 22E

GROUND LEVEL Elev. 4972
 Log Measured From K.B. 15' ABOVE GROUND LEVEL KB. 4987
 Drilling Measured From K.B. DF. 4972
 GL. 4972

Other Logs _____

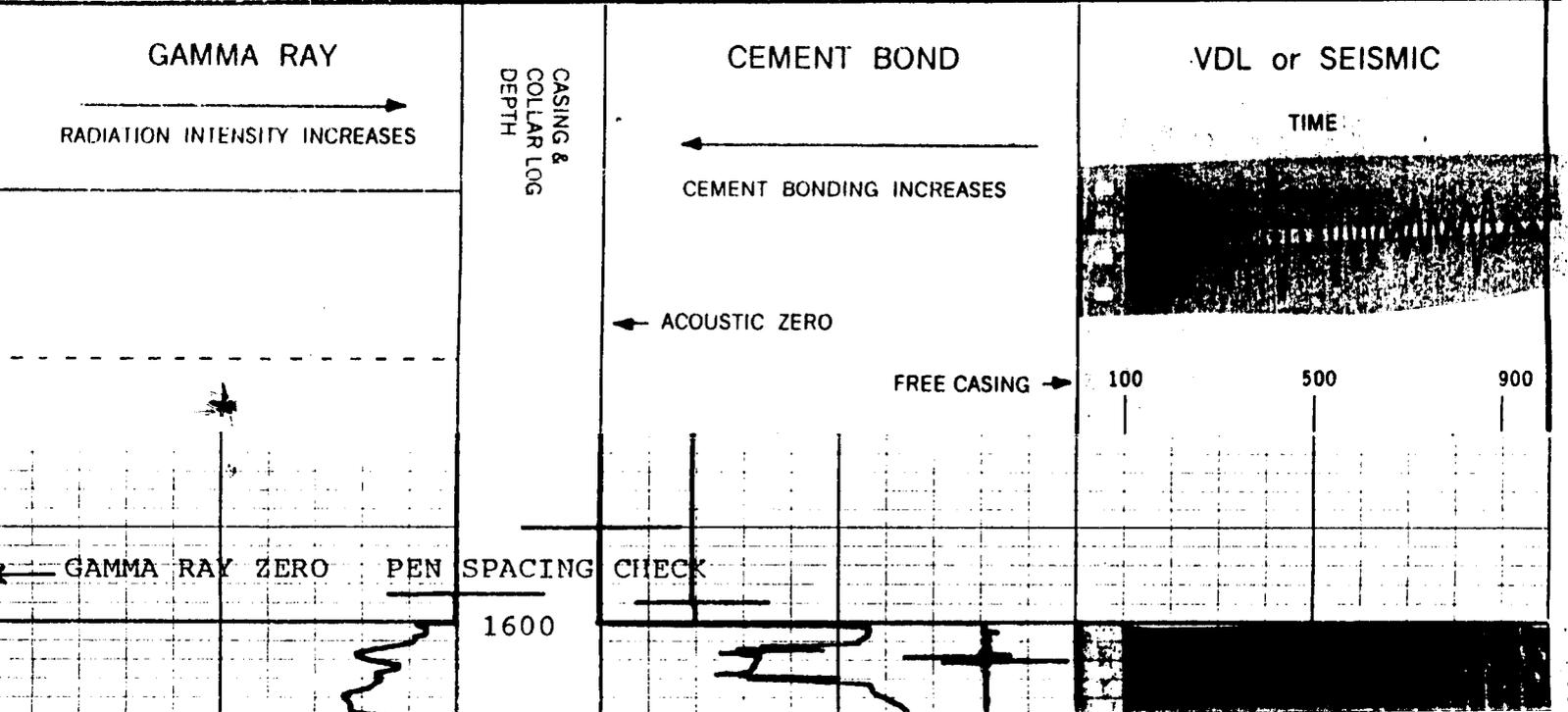
Type Log	SCBL-GR	SCBL-GR
Run No.	ONE	ONE
Date	9-13-83	
Total Depth Driller	5504	
Present Depth Driller	4862	
Total Depth O.W.P.	4825	
Key Begins	3900	1600
Key Ends	4825	3300
Truck No.	529	
Location	VERNAL	
Type Fluid In Hole	WATER	
Salinity PPM Cl		
Weight lb./gal.		
Fluid Level	FULL WITH	1000 PSI
Max. Hole Temp.	131° F	
Recorded By	COUGHLIN	
Witnessed By	MR. BALL	

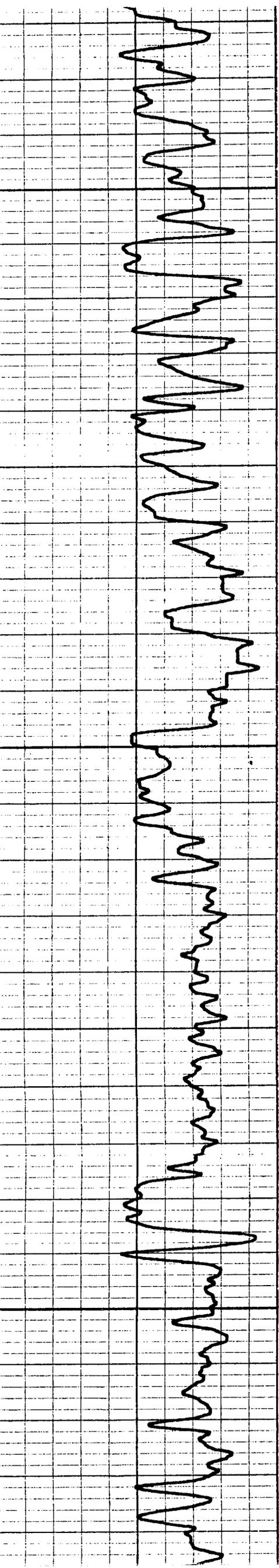
BORE HOLE RECORD				CASING RECORD			
Run	Bit	From	To	Size	Wall	From	To
				9 5/8		SURFACE	222
				5 1/2	17#	SURFACE	4910

LOGGING TOOL DATA			
Truck No. <u>529</u>	Inst. Truck No. _____	Tool Serial No. <u>6</u>	_____
<u>GAMMA RAY</u>		<u>CEMENT BOND</u>	
Tool Model No. <u>10CS</u>	Dia. <u>3.375</u>	Log Type <u>ACOUSTIC</u>	
Detector Model No. _____		Tool Model No. <u>10CS</u>	Dia. <u>3.375</u>
Type <u>SCINTILLATION</u>	Length <u>4'</u>	Detector Model No. _____	
Distance To Bond Ref. <u>7'</u>		Free Casing = <u>10</u>	API Div. _____
		Spacing <u>3'</u>	

LOGGING DATA										
Depth		Speed	T. C.	Gamma Ray Selling			T. C.	Bond Setting		
From	To	Fl / min	Sec.	Sensitivity	Zero	Scale	Sec.	Sensitivity	Zero	Scale
3900	4825	30	2	456	SEE LOG	CORRELATION		GAIN	DELAY	CASING
								90	485	5 1/2

Calibration Data BOND LOG WAS CALIBRATED IN FREE CASING @900' LOG WAS RUN WITH 1000 PST
 CEMENTING DATA & REMARKS: _____

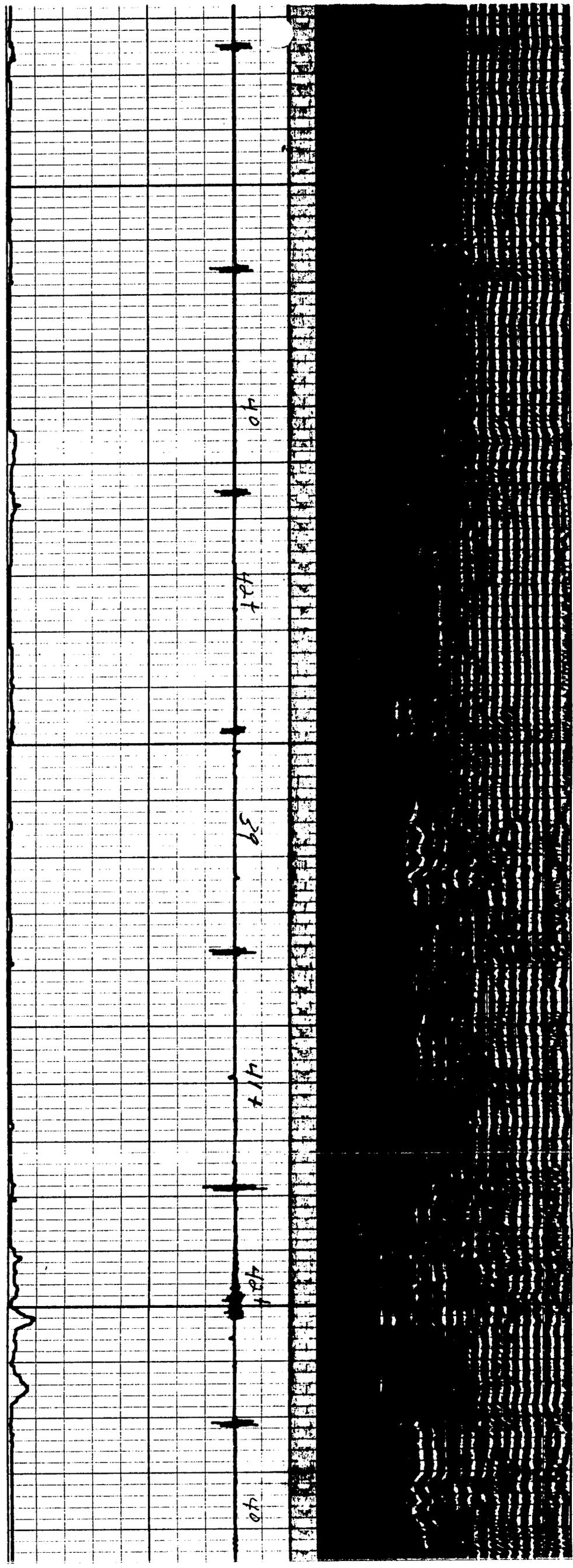


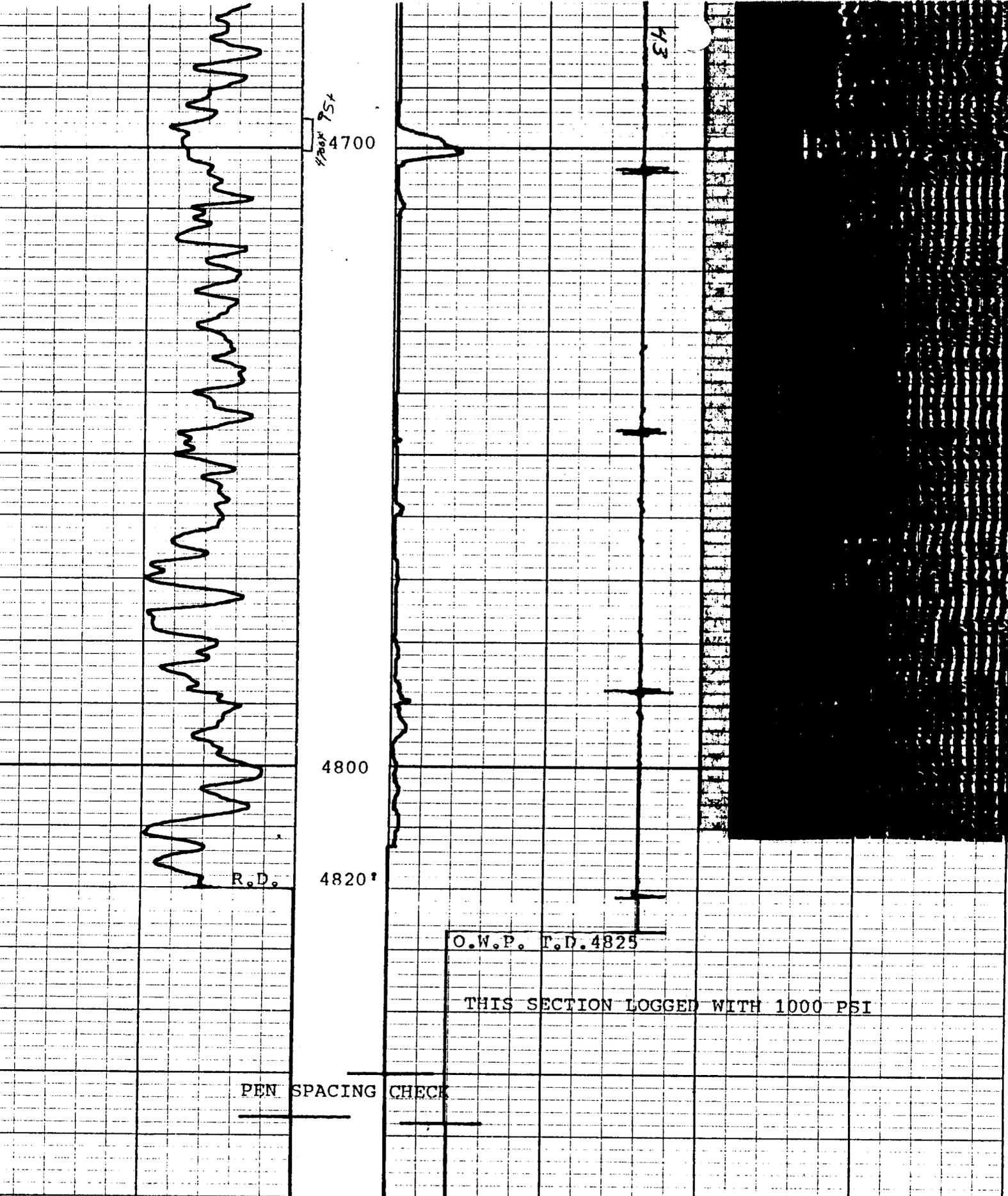


4400

4500

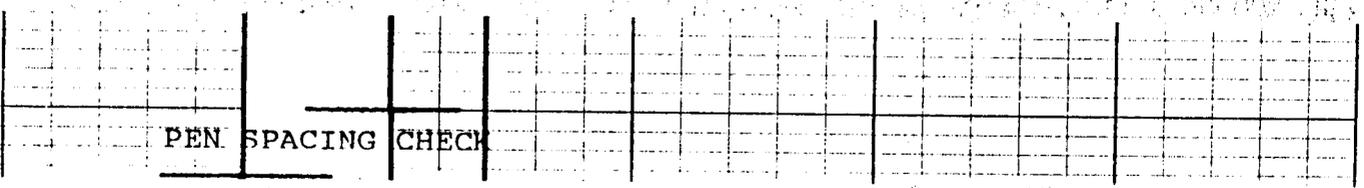
4600

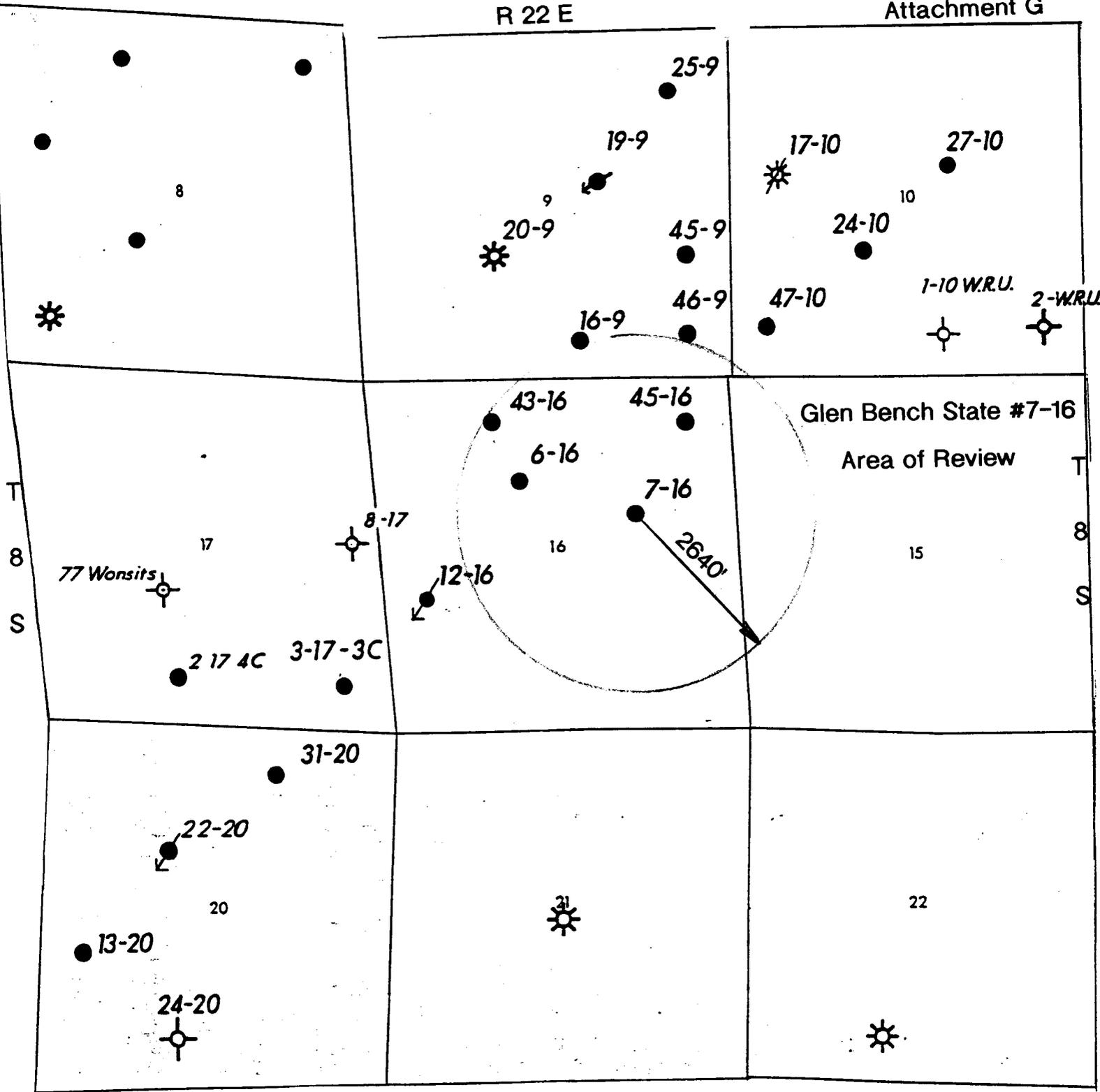




RADIATION INTENSITY INCREASES → GAMMA RAY ←	← ACOUSTIC ZERO CEMENT BONDING INCREASES ← CEMENT BOND	100 500 900 MICROSECONDS VDL or SEISMIC
--- DEPTH		

REPEAT SECTION





Scale 1 : 2000

Surface Ownership

- Section 16; all: State of Utah
- Section 9; USA, BLM
- Section 10; USA, BLM
- Section 15; USA, BLM

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS <small>(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.)</small>		3. LEASE DESIGNATION & SERIAL NO. U-9617	
		6. IF INDIAN ALLOTTEE OR TRIBE NAME N/A	
1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		7. UNIT AGREEMENT NAME UTU 73974X	
2. NAME OF OPERATOR Chandler & Associates, Inc.		8. FARM OR LEASE NAME GLEN BENCH	
3. ADDRESS OF OPERATOR 475 17th Street Suite 1000, Denver, CO 80202		9. WELL NO. #7-16	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface 1736' FNL & 1464' FEL (SW NE) Sec. 16 At proposed prod. zone Same		10. FIELD AND POOL, OR WILDCAT GLEN BENCH	
14. API NO. 43-047-32582		15. ELEVATIONS (Show whether DF, RT, GR, etc.)	
		12. COUNTY Uintah	13. STATE Utah
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 16-T8S-R22E S.L.B. & M.	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input checked="" type="checkbox"/>	(Other) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
APPROX. DATE WORK WILL START Aug 1996		DATE OF COMPLETION _____	

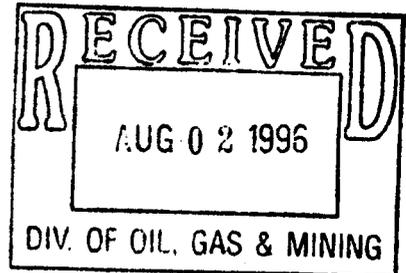
17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

* Must be accompanied by a cement verification report.

Chandler & Associates, Inc., proposes to trench and install water injection line from the existing line that service the Glen Bench Unit to the Glen Bench #7-16, which is a proposed new injector for the unit.

The attached plat shows the stacking of the proposed pipeline. Trenching would be along side the existing road in the barrow ditch to the Glen Bench #7-16. 3" Schedule 40 coated line pipe will be laid in a trench approximately 16" wide by a minimal depth of four feet.

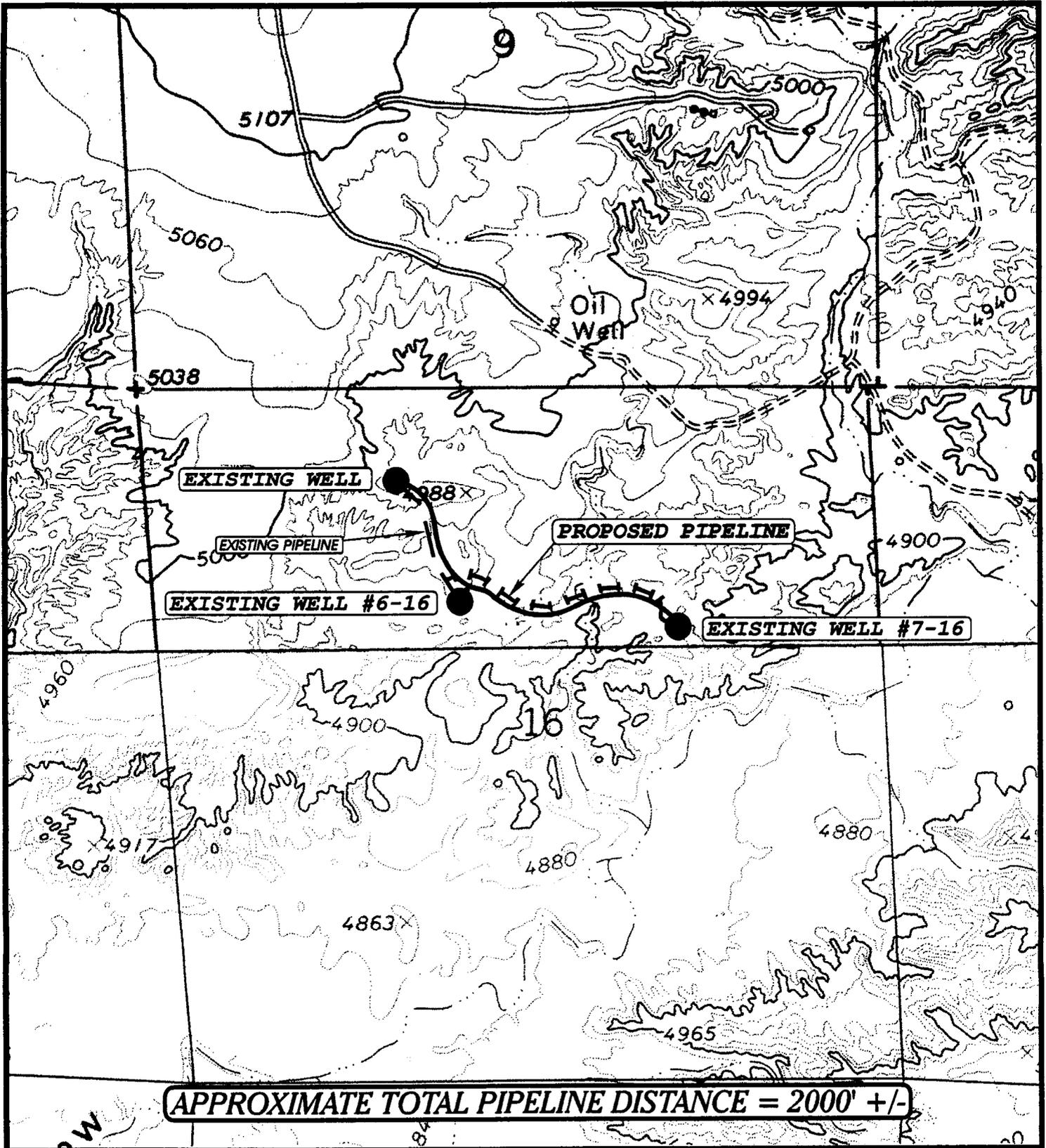
Attachments: Survey Plat



18. I hereby certify that the foregoing is true and correct
SIGNED [Signature] TITLE Production Geologist DATE July 31, 1996

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



**TOPOGRAPHIC
MAP**

UELS

----- Existing Pipeline
 HHHHHHHH Proposed Pipeline



CHANDLER & ASSOCIATES, INC.

PROPOSED PIPELINE
 SECTION 16, T8S, R22E, S1.E.B. & M1

DATE: 7/10/96 2 1996
 Drawn by: D. COX

UNTAH ENGINEERING & LAND SURVEYING
 85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017

DIV. OF OIL, GAS & MINING



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)

August 7, 1996

Newspaper Agency Corporation
Legal Advertising
Tribune Building, Front Counter
143 South Main
Salt Lake City, Utah 84111

Re: Notice of Agency Action - Cause No. UIC-176

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Lorraine Platt

Lorraine Platt
Secretary

Enclosure





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)

August 7, 1996

Vernal Express
P.O. Box 1000
54 North Vernal Avenue
Vernal, Utah 84078

Re: Notice of Agency Action - Cause No. UIC-176

Gentlemen:

Enclosed is a copy of the referenced Notice of Agency Action. Please publish the Notice, once only, as soon as possible. Please send proof of publication and billing to the Division of Oil, Gas and Mining, 1594 West North Temple, Suite 1210, P.O. Box 145801, Salt Lake City, Utah 84114-5801.

Sincerely,

Lorraine Platt

Lorraine Platt
Secretary

Enclosure



**Chandler & Associates, Inc.
Glen Bench State 7-16 and Glen Bench 15-19-8-22 Wells
Cause No. UIC-176**

Publication Notices were sent to the following:

Chandler & Associates, Inc.
475 17th Street Suite 1000
Denver, Colorado 80202

Newspaper Agency Corporation
Legal Advertising
157 Regent Street
Salt Lake City, Utah 84110

Vernal Express
P.O. Box 1000
54 North Vernal Avenue
Vernal, Utah 84078

Bureau of Land Management
Vernal District Office
170 South 500 East
Vernal, Utah 84078

School & Institutional Trust Lands
675 East 500 South
Salt Lake City, Utah 84102

U.S. Environmental Protection Agency
Region VIII
Attn: Dan Jackson
999 18th Street
Denver, Colorado 80202-2466

Lorraine Platt

Lorraine Platt
Secretary



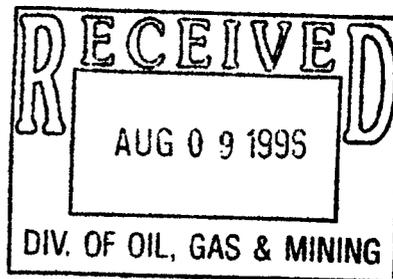
CHANDLER & ASSOCIATES, INC.

475 17TH ST. • SUITE 1000 • DENVER, COLORADO 80202 • 303 295-0400

OIL & GAS EXPLORATION AND PRODUCTION

FAX 303 295-0222

August 6, 1996



Dan Jarvis
Utah Division of Oil, Gas and Mining
1594 W. North Temple
Salt Lake City, Utah 84114

**RE: Glen Bench Unit #15-19-8-22
SW SE, Section 19, T8S, R22E
Glen Bench State #7-16
SE NE, Section 16, T8S, R22E
Uintah County, Utah**

Mr. Jarvis;

I wish to inform you and your agency that Chandler and Associates, Inc., have notified the surface ownership within the individual Area of Reviews, by letter of intention to convert the aforementioned wells into a Class II underground injection well, utilizing the existing perforations within the wellbore. The applications for the wells are in process with the Environmental Protection Agency.

Sincerely,

CHANDLER AND ASSOCIATES, INC.

Thomas D. Taylor
Production Geologist

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

---ooOoo---

IN THE MATTER OF THE	:	NOTICE OF AGENCY
APPLICATION OF CHANDLER &	:	ACTION
ASSOCIATES, INC. FOR	:	
ADMINISTRATIVE APPROVAL OF	:	CAUSE NO. UIC-176
THE GLEN BENCH STATE 7-16 AND	:	
GLEN BENCH UNIT 15-19-8-22	:	
WELLS LOCATED IN SECTIONS 16	:	
AND 19, TOWNSHIP 8 SOUTH,	:	
RANGE 22 EAST, S.L.M., UINTAH	:	
COUNTY, UTAH, AS CLASS II	:	
INJECTION WELLS	:	

---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 (the "Division") is commencing an informal adjudicative proceeding to consider the application of Chandler & Associates, Inc. for administrative approval of the Glen Bench State 7-16 and Glen Bench Unit 15-19-8-22 wells, located in Sections 16 and 19, Township 8 South, Range 22 East, S.L.M., Uintah County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

The interval from 5070 feet to 5074 feet in the Glen Bench State 7-16, and the interval from 4759 feet to 4765 feet in the Glen Bench Unit 15-19-8-22 (Glen Bench Zone of Green River Formation) will be selectively perforated for water injection. The maximum requested injection pressure will be limited to 680 PSIG for the 7-16 well and 750 PSIG for the 15-19-8-22 well.

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 following 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 7th day of August 1996.

STATE OF UTAH
DIVISION OF OIL, GAS & MINING



R. J. Firth
Associate Director, Oil & Gas

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

CUSTOMER'S
 COPY

PROOF OF PUBLICATION

CUSTOMER NAME AND ADDRESS	ACCOUNT NUMBER	DATE
DIV OF OIL, GAS & MINING 1594 W NORTH TEMPLE STE # 1210 SALT LAKE CITY UT 84114	D5385340L-07	08/15/96

ACCOUNT NAME	
DIV OF OIL, GAS & MINING	
TELEPHONE	INVOICE NUMBER
801-538-5340	TL8C8201161
SCHEDULE	
START 08/15/96 END 08/15/96	
CUST. REF. NO.	

NOTICE OF AGENCY ACTION
 CAUSE NO. UIC-176
 BEFORE THE DIVISION OF OIL, GAS AND MINING
 DEPARTMENT OF NATURAL RESOURCES, STATE OF UTAH

UIC-176	
CAPTION	
TITLE OF AGENCY ACTION CAUSE N	
SIZE	
47 LINES	2.00 COLUMN
RATE	
	1.64
AD CHARGES	
	154.16
TOTAL COST	
	154.16

IN THE MATTER OF THE APPLICATION OF CHANDLER & ASSOCIATES, INC. FOR ADMINISTRATIVE APPROVAL OF THE GLEN BENCH STATE 7-16 AND GLEN BENCH UNIT 15-19-8-22 WELLS LOCATED IN SECTIONS 16 AND 19, TOWNSHIP 8 SOUTH, RANGE 22 EAST, S.L.M., UTAH COUNTY, UTAH, AS CLASS II INJECTION WELLS.

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 (the "Division") is commencing an informal adjudicative proceeding to consider the application of Chandler & Associates, Inc. for administrative approval of the Glen Bench State 7-16 and Glen Bench Unit 15-19-8-22 wells, located in Sections 16 and 19, Township 8 South, Range 22 East, S.L.M., Utah County, Utah, for conversion to Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

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DATED this 7th day of August, 1996.

STATE OF UTAH
 DIVISION OF OIL, GAS AND MINING
 /s/ R. J. Firth
 Associate Director, Oil & Gas
 8C820110

CORPORATION LEGAL BOOKKEEPER, I CERTIFY THAT THE ATTACHED NOTICE OF AGENCY ACTION CAUSE N _____ FOR & 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 08/15/96 END 08/15/96

SIGNATURE _____

DATE 08/15/96

STATE OF UTAH
 PUBLIC
 JAMES E. MCNEELY
 205 Hartford St.
 Salt Lake City, UT 84103
 My Commission Expires
 March 31, 2000
 501-538-1234

OFFICE COPY

**THIS IS NOT A STATEMENT BUT A "PROOF OF PUBLICATION"
 PLEASE PAY FROM BILLING STATEMENT.**

PROOF OF PUBLICATION

STATE OF UTAH,

} ss.

County of Uintah

NOTICE OF AGENCY ACTION

**CAUSE NO. UIC-176
BEFORE THE DIVISION OF OIL, GAS AND MINING DEPARTMENT OF NATURAL RESOURCES STATE OF UTAH**

IN THE MATTER OF THE APPLICATION OF CHANDLER & ASSOCIATES, INC. FOR ADMINISTRATIVE APPROVAL OF THE GLEN BENCH STATE 7-16 AND GLEN BENCH UNIT 15-19-8-22 WELLS LOCATED IN SECTIONS 16 AND 19, TOWNSHIP 8 SOUTH, RANGE 22 EAST, S.L.M., UINTAH COUNTY, UTAH AS CLASS II INJECTION WELLS

THE STATE OF UTAH TO ALL PERSON INTERESTED THE ABOVE ENTITLED MATTER.

Notice is hereby given that the Division of Oil, Gas and Mining (the "Division") is commencing an informal adjudicative proceeding to consider the application of Chandler & Associates, Inc. for administrative approval of the Glen Bench State 7-16 and Glen Bench Unit 15-19-8-22 wells, located in Sections 16 and 19, Township 8 South, Range 22 East, S.L.M., Uintah County, Utah, for conversion of Class II injection wells. The proceeding will be conducted in accordance with Utah Admin. R.649-10, Administrative Procedures.

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Dated this 7th day of August 1996.

STATE OF UTAH DIVISION OF OIL, GAS & MINING

R.J. FIRTH
Associate Director, Oil & Gas

Published in the Vernal Express Aug. 14, 1996.

I, SHEILA S. WHEELER,
being duly sworn, depose and say, that I am the Business Manager of The Vernal Express, a weekly newspaper of general circulation, published each week at Vernal, Utah, that the notice attached hereto was published in said newspaper

for 1 publications,

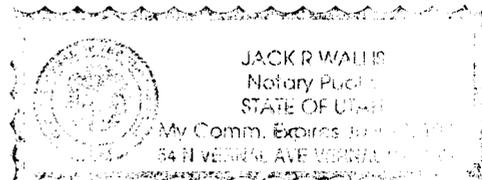
the first publication having been made on the 14th day of August, 1996 and the last on the 14th day of August, 1996, that

said notice was published in the regular and entire issue of every number of the paper during the period and times of publication, and the same was published in the newspaper proper and not in a supplement.

By *Sheila S. Wheeler*
Manager

Subscribed and sworn to before me, this 14th day of August A.D. 1996.

Jack R. Wallis
Notary Public, Residence, Vernal, Utah





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)

September 25, 1996

Chandler and Associates, Inc.
475 17TH Street, Suite 1000
Denver, Colorado 80202

Re: Glen Bench State 7-16 well, Section 16, Township 8 South, Range 22 East, Uintah County, Utah

Gentlemen:

Pursuant to Utah Admin. Code R649-5-3-3, the Division of Oil, Gas and Mining (the "Division") issues its administrative approval for conversion of the referenced well to a Class II injection well. Accordingly, the following stipulations shall apply for full compliance with this approval:

1. Compliance with all applicable requirements for the operation, maintenance and reporting for Underground Injection Control ("UIC") Class II injection wells pursuant to Utah Admin. Code R649-1 et seq.
2. Conformance with all conditions and requirements of the complete application submitted by Chandler and Associates.

If you have any questions regarding this approval or the necessary requirements, please contact Dan Jarvis at this office.

Sincerely,

R.J. Firth
Associate Director

cc: Dan Jackson, Environmental Protection Agency
Bureau of Land Management, Vernal



**DIVISION OF OIL, GAS AND MINING
UNDERGROUND INJECTION CONTROL PROGRAM**

**PERMIT
STATEMENT OF BASIS**

Applicant: Chandler and Associates **Well:** Glen Bench State 7-16

Location: Glen Bench Unit, Uintah County

Ownership Issues: The proposed well is located in section 16, township 8 south, range 22 east, Uintah, County, Utah. The surface and minerals within a 1/2 mile of the well is owned by the State of Utah and the federal government. Chandler has provided an affidavit stating that all interested parties have been notified of their intent to convert the well to injection.

Well Integrity: The well proposed for injection is the Glen Bench State 7-16. The well has a 8 5/8" surface casing at 388 feet and cemented to surface. A 5 1/2" longstring is set at 5539 feet and is cemented to 2100 feet and was verified by a cement bond log. The injection interval is from 5070 feet to 5074 feet (Glen Bench Member of Green River Formation). A 2 3/8" tubing will be set in a packer at 5050 feet. This construction should adequately protect all USDW's. There are 3 producing wells in the 1/2 mile area of review. The construction of these wells is adequate to prevent any migration of fluid up the hole. A casing test should be performed at the time of conversion and a casing/tubing pressure test should be performed prior to injection.

Ground Water Protection: The base of moderately saline water is at a depth of approximately 2-3000 feet located at the base of the Uinta Formation in the area of the project. Any shallow fresh water zones will be adequately protected by existing constructions. A maximum injection pressure of 680 psi (surface pressure) was requested. The fracture gradient for the well is .577 psi/ft., which calculates a parting pressure of 728 psig.. Injection below a pressure of 728 psig. should prevent fracturing of the overlying confining zone. The confining zone above the Glen Bench sand consists of approximately 650 feet of shales, silts, calcareous mudstones and limestones. No corrective action is needed on the proposed well or any of the wells in the area of review.

Oil/Gas & Other Mineral Resources Protection: The project (Glen Bench Unit) was heard before the Board of Oil Gas and Mining on May 24th, 1995. Injection into this well should have no adverse affects on any offsetting production outside the unit area.

Bonding: All the wells in the project are operated by Chandler and Associates. The proposed well is located on State land and will be bonded by the Trust Land Administration.

Actions Taken and Further Approvals Needed: A public notice for the injection well will be published in both the Salt Lake Tribune and the Vernal Express. The application for conversion of the injection well is technically complete. Injection of fluids as per the conditions stated in the application will cause no degradation of any USDW's.

DJJ
Reviewers

08-7-96
Date



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)

UNDERGROUND INJECTION CONTROL PERMIT

Cause No. UIC-176

Operator: Chandler and Associates, Inc.
Well: Glen Bench State 7-16
Location: Section 16, Township 8 South, Range 22 East,
County: Uintah
API No.: 43-047-32582
Well Type: Enhanced Recovery (waterflood)

Stipulations of Permit Approval

1. Approval for conversion to Injection Well issued on September 26, 1996
2. Maximum Allowable Injection Pressure: 680 psig
3. Maximum Allowable Injection Rate: (restricted by pressure limitation)
4. Injection Interval: 5070 feet to 5074 feet (Green River Formation)

Approved by:


R.J. Firth
Associate Director, Oil and Gas

9/25/96
Date



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

<p>SUNDRY NOTICES AND REPORTS ON WELLS</p> <p>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</p>		6. Lease Designation and Serial Number
		7. Indian Allottee or Tribe Name
		8. Unit or Communitization Agreement
1. Type of Well		9. Well Name and Number
<input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other (specify)		10. API Well Number
2. Name of Operator <i>Shenandoah Energy Inc.</i>		11. Field and Pool, or Wildcat
3. Address of Operator <i>475 17th Street, Suite #1000 Denver, Colorado 80202</i>	4. Telephone Number <i>303-295-0400</i>	
5. Location of Well		
Footage : Please see attached spreadsheet		County :
QQ, Sec. T., R., M. :		State :

12. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA																											
<p align="center">NOTICE OF INTENT (Submit in Duplicate)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Recompletion</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Multiple Completion</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input type="checkbox"/> Other _____</td> <td></td> </tr> </table> <p>Approximate Date Work Will Start _____</p>	<input type="checkbox"/> Abandonment	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> Other _____		<p align="center">SUBSEQUENT REPORT (Submit Original Form Only)</p> <table style="width: 100%;"> <tr> <td><input type="checkbox"/> Abandonment *</td> <td><input type="checkbox"/> New Construction</td> </tr> <tr> <td><input type="checkbox"/> Casing Repair</td> <td><input type="checkbox"/> Pull or Alter Casing</td> </tr> <tr> <td><input type="checkbox"/> Change of Plans</td> <td><input type="checkbox"/> Shoot or Acidize</td> </tr> <tr> <td><input type="checkbox"/> Conversion to Injection</td> <td><input type="checkbox"/> Vent or Flare</td> </tr> <tr> <td><input type="checkbox"/> Fracture Treat</td> <td><input type="checkbox"/> Water Shut-Off</td> </tr> <tr> <td><input checked="" type="checkbox"/> Other <u>Change of Operator</u></td> <td></td> </tr> </table> <p>Date of Work Completion _____</p> <p><small>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.</small></p>	<input type="checkbox"/> Abandonment *	<input type="checkbox"/> New Construction	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Shoot or Acidize	<input type="checkbox"/> Conversion to Injection	<input type="checkbox"/> Vent or Flare	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off	<input checked="" type="checkbox"/> Other <u>Change of Operator</u>	
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<input type="checkbox"/> Change of Plans	<input type="checkbox"/> Recompletion																										
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<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Vent or Flare																										
<input type="checkbox"/> Multiple Completion	<input type="checkbox"/> Water Shut-Off																										
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<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Water Shut-Off																										
<input checked="" type="checkbox"/> Other <u>Change of Operator</u>																											

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.)

Please be advised that effective 1/1/200 Chandler & Associates, Inc has changed its name to Shenandoah Energy Inc. Shenandoah Energy Inc. is responsible under the terms and conditions of the lease for the operation conducted upon the leased lands. Shenandoah Energy Inc. is bonded in the amount of \$80,000.00 to the School and Inst. Trust Lands via a name change rider filed with the State. Continental Casualty Bond # 159261960.

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

Name & Signature Thomas D. Taylor Title Production Geologist Date 05/25/2000

(State Use Only)

**SHENANDOAH ENERGY INC.
UTAH OPERATED WELLS**

A.P.I. #	ENTITY	WELL NAME	WELL #	LOCATION	FIELD NAME	PROD. ZONE	FORMATION	WELL TYPE	AGREEMENT
43-047-15090-00	04915	WRU	#31-4	SWSE 4, 8S-22E	WHITE RIVER		GREENRIVER	WSW	8910035090
43-047-15081-00	04915	WRU	#16-9	SWSE 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15084-00	04915	WRU	#20-9	NESW 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15087-00	04915	WRU	#25-9	NENE 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-31354-00	05170	WRU	#43-16	NENW 16, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	
43-047-31399-00	09915	WRU	#45-16	NENE 16, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	
43-047-32052-00	11468	DESERT SPRINGS FED.	#20-1	NESW 20, 10S-18E	WILDCAT	GRRV	GREEN RIVER	OW	
43-013-32088-00	12497	W. DESERT SPRING	#11-20	NESW 20, 10S-17E	WILDCAT	WSTC	WASATCH	OW	
43-013-32057-00	12497	W. RIVER BEND	#16-17-10-17	SESE 17, 10S-17E	WILDCAT	GRRV	GREEN RIVER	OW	
43-013-31888-00	12497	W. RIVER BEND	#3-12-10-15	NENW 12, 10S-15E	WILDCAT	GRRV	GREEN RIVER	OW	
43-013-32084-00	12497	WILKIN RIDGE	#13-23	SWSW 23, 10S-16E	WILDCAT	WSTC	GREEN RIVER	OW	
43-047-33163-00		DESERT SPRING	#7-30-10-18	SWNE 30, T10S-R18E	APD	WSTC			

RECEIVED

MAY 30 2000

DIVISION OF
OIL, GAS AND MINING

RECEIVED

MAY 30 2000

DIVISION OF
OIL, GAS AND MINING

SHENANDOAH ENERGY INC.
UTAH OPERATED WELLS

A.P.I. #	ENTITY	WELL NAME	WELL #	LOCATION	FIELD NAME	PROD. ZONE	FORMATION	WELL TYPE	AGREEMENT
43-015-30168-00	10684	BUZZARD BENCH FED	#6-3	SENW 3, 19S-7E	BUZZARD BENCH	FRSD	FERRON	GW	8910204190
43-015-30229-00	10670	BUZZARD BENCH FED	#3-24	SESW 3, 19S-7E	BUZZARD BENCH	FRSD	FERRON	GW	8910204190
43-015-30110-00	10685	FERRON FED	#16-20	SESE 20, 17S-8E	BUZZARD BENCH	FRSD	FERRON	OW	
43-015-30257-00	11837	FERRON FEDERAL	#7-12-19-7	SWNE 12, 19S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	
43-015-30000-00		FERRON FEDERAL	#16-9-10-7	SESE 9, 19S-7E	FERRON		FERRON	DRG	
43-015-3025300	11836	FERRON STATE	#4-36	SWNW 36, 18S-7E	BUZZARD BENCH	FRSD	FERRON	GW	
43-015-30222-00	11029	ORANGEVILLE FED	#1-11	NENE 11, 19S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	891020388A
43-015-30221-00	10600	ORANGEVILLE FED	#4-1	NWNW 1, 19S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	
43-015-30102-00	10920	ORANGEVILLE ST	#1-36	SESE 36, 18S-7E	BUZZARD BENCH	FRSD	UPPER FERRON	GW	8910203880
43-015-30179-00	00535	ORANGEVILLE STATE	#10-2	NWSE 2, 19S-7E	BUZZARD BENCH	FRSD	LOWER FERRON	GW	891020388A
43-015-30108-00	10978	ORANGEVILLE UNIT	#16-6	SESE 6, 18S-8E	BUZZARD BENCH	FRSD	FERRON	OW	
43-047-33164-00	12496	DESERT SPRING	#16-19-10-18	SESE 19, 10S-18E	DESERT SPRING	GRRV	GREEN RIVER	OW	
43-047-3316200	12523	DESERT SPRING	#3-29-10-18	NWNE 29, 10S-18E	DESERT SPRING	GRRV	GREEN RIVER	OW	
43-047-32493-00	11630	E COYOTE FEDERAL	#14-4-8-25	SESW 4, 8S-25E	EAST COYOTE FEDERAL	GRRV	GREENRIVER	OW	
43-047-31555-00	09497	ANTELOPE DRAW	#2-17-4C	SESW 17, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31556-00	09498	ANTELOPE DRAW	#3-17-3C	SESE 17, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-32476-00	11862	GLEN BENCH	#8-19	SENE 19, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31257-00	11587	GLEN BENCH FED	#44-19	L 20 19, 8S-22W	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-31355-00	11588	GLEN BENCH FED	#13-20	NWSW 20, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31356-00	06135	GLEN BENCH FED	#22-20	SENW 20, 8S-22E	GLEN BENCH		GREEN RIVER	WIW	UTU73974X
43-047-31433-00	06196	GLEN BENCH FED	#31-20	NWNE 20, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-31008-00	06045	GLEN BENCH FED	#31-30	L 6 30, 8S-22E	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-31260-00	06050	GLEN BENCH FED	#22-30	SENW 30, 8S-22E	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-32549-00	11716	GLEN BENCH STATE	#6-16	SENW 16, 8S-22E	GLEN BENCH	GRRV	GREENRIVER	OW	UTU73974X
43-047-32582-00	11716	GLEN BENCH STATE	#7-16	SENE 16, 8S-22E	GLEN BENCH		GREENRIVER	WIW	UTU73974X
43-047-32583-00	11732	GLEN BENCH STATE	#12-16	NWSW 16, 8S-22E	GLEN BENCH		GREENRIVER	WIW	UTU73974X
43-047-32756-00	11955	GLEN BENCH UNIT	#15-19-8-22	SWSE 19, 8S-22E	GLEN BENCH		GREEN RIVER	WIW	UTU73974X
43-047-32755-00	12014	GLEN BENCH UNIT	#4-30-8-22	NWNW 30, 8S-22E	GLEN BENCH	GRRV	GREEN RIVER	OW	UTU73974X
43-047-32857-00	12219	GLEN BENCH UNIT	#11-16-8-22	NESW 16, 8S-22E	GLEN BENCH	GRGBS	GREEN RIVER	OW	UTU73974X
43-013-3147700	12248	UTD WALTON	#26-03	NENW 26, 9S-16E	MONUMENT BUTTE	GRRV	GREEN RIVER	OW	
43-047-33252-00	12527	GLEN BENCH STATE	#2-36-8-21	NENW 36, 8S-21E	NATURAL BUTTES	WSTC	WASATCH	GW	
43-047-33037-00	12377	GLEN BENCH STATE	#8A-36-8-21	SWNE 36, 8S-21E	NATURAL BUTTES	WSTC	WASATCH	GW	
43-047-33038-00	12378	GLEN BENCH STATE	#6-36-8-21	SENW 36, 8S-21E	NATURAL BUTTES	WSTC	WASATCH	GW	
43-047-32746-00	11944	SAGE GROUSE FEDERAL	#6-14-8-22	SENW 14, 8S-22E	NATURAL BUTTES	GRRV	GREEN RIVER	GW	
43-047-32724-00	12361	SAGE GROUSE FEDERAL	#8-36-8-21	SENE 36, 8S-21E	NATURAL BUTTES	GRRV	GREEN RIVER	GW	
43-047-3309500	12528	WHITE RIVER UNIT	#13-35-8-22	SWSW 35, 8S-22E	NATURAL BUTTES	WSTC	WASATCH	GW	891003509B
43-047-3306100	12528	WHITE RIVER UNIT	#15-35-8-22	SWSE 35, 8S-22E	NATURAL BUTTES	WSTC	WASATCH	GW	891003509B
43-047-3275400	12003	FLU KNOLLS FED.	#23-3	NESW 3, 10S-18E	UTELAND BUTTE	GRRV	GREEN RIVER	OW	
43-047-15083-00	04915	WHITE RIVER UNIT	#19-9	SENE 9, 8S-22E	WHITE RIVER		GREENRIVER	WIW	891003509D
43-047-15080-00	04915	WRU	#15-9	NESE 9, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15085-00	04915	WRU	#24-10	NESW 10, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-15086-00	04915	WRU	#27-10	SWNE 10, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	891003509D
43-047-31561-00	10000	WRU	#47-10	L1 10, 8S-22E	WHITE RIVER	GRRV	GREENRIVER	OW	

GB #22-20
GB STATE #7-16
GB STATE #12-16
GBU #15-19-8-22
WRU #19-9

SENE SEC 20, T8S, R22E
SWNE SEC16, T8S, R22E
NWSW SEC 16, T8S, R22E
SWSE SEC 19, T8S, R22E
SWNE SEC 9, T8S, R22E

UT2755-04235
UT2803-04335
UT2765-04248
UT2806-04338
UT2000-02549



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

In Reply Refer To:
3100
U-058 et al
(UT-932)

JUN 5 2000

NOTICE

Shenandoah Operating Company, LLC : Oil and Gas Leases
475 17th Street, Suite 1000 :
Denver, CO 80202 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the change of name of Chandler & Associates, LLC to Shenandoah Operating Company, LLC on Federal oil and gas leases.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our automated records system. We have not abstracted the lease files to determine if the entity affected by the name change holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the name change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

A rider to statewide Surety Bond No. 124 29 03 64 (BLM Bond No. UT0969) changing the name on the bond from Chandler & Associates, LLC to Shenandoah Energy Inc. has been accepted by this office effective January 26, 2000. However, the rider makes no mention of Shenandoah Operating Company, LLC. A rider to the above bond adding the name of Shenandoah Operating Company, LLC needs to be submitted to this office.

/s/ Robert Lopez

Robert Lopez
Chief, Branch of
Minerals Adjudication

Enclosure
Exhibit of Leases

RECEIVED

JUN 06 2000

DIVISION OF
OIL, GAS AND MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-931

August 24, 2000

Attn: Scott M. Webb
Shenandoah Energy Inc.
465 17th Street, Suite 1000
Denver, Colorado 80202

Re: Glen Bench Unit
Uintah County, Utah

Gentlemen:

On August 24, 2000, we received an indenture dated August 18, 2000, whereby Shenandoah Operating Company, L.L.C. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the Glen Bench Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective August 24, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Glen Bench Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Glen Bench Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Glen Bench Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:8/24/00

Results of query for MMS Account Number UTU73974X

API Number	Operator	Well Name	Well Status	Lease or CA Number	Inspection Item	Township	Range	Section	Qu
4304731008	CHANDLER & ASSOCIATES LLC	31-30 GLEN BENCH	POW	UTU9617	UTU73974X	8S	22E	30	NW
4304731257	CHANDLER & ASSOCIATES LLC	44-19 GLENBENCH	ABD	UTU9617	UTU73974X	8S	22E	19	SE
4304731260	CHANDLER & ASSOCIATES LLC	22-30 BENCH GLEN	TA	UTU9617	UTU73974X	8S	22E	30	SE
4	CHANDLER & ASSOCIATES LLC		POW	STATE					
4304731355	CHANDLER & ASSOCIATES LLC	13-20 NGC	POW	UTU9617	UTU73974X	8S	22E	20	NW
4304731356	CHANDLER & ASSOCIATES LLC	22-20 NGC	WIW	UTU69001	UTU73974X	8S	22E	20	SE
4304731399	CHANDLER & ASSOCIATES LLC	45-16 WHITE RIVER	POW	STATE	UTU73974X	8S	22E	16	NE
4304731433	CHANDLER & ASSOCIATES LLC	31-20 FEDERAL	POW	UTU69001	UTU73974X	8S	22E	20	NW
4304731555	CHANDLER & ASSOCIATES LLC	2-17-4C ANTELOPE	POW	UTU65276	UTU73974X	8S	22E	17	SE
4304731556	CHANDLER & ASSOCIATES LLC	3-17-3C ANTELOPE	POW	UTU65276	UTU73974X	8S	22E	17	SE
	CHANDLER								

4304732476	& ASSOCIATES LLC	GLEN BENCH 8-19	POW	UTU65404	UTU73974X	8S	22E	19	SEI
4304732549	CHANDLER & ASSOCIATES LLC	GLEN BENCH 6-16	POW	STATE	UTU73974X	8S	22E	16	SEI
4304732582	CHANDLER & ASSOCIATES LLC	GLEN BENCH 7-16	WIW	STATE	UTU73974X	8S	22E	16	SW
4304732583	CHANDLER & ASSOCIATES LLC	GLEN BENCH 12-16	WIW	STATE	UTU73974X	8S	22E	16	NW
4304732718	CHANDLER & ASSOCIATES LLC	GLEN BENCH 8-17	P+A	UTU65276	UTU73974X	8S	22E	17	SEI
4304732755	CHANDLER & ASSOCIATES LLC	4-30-8-22	POW	UTU9617	UTU73974X	8S	22E	30	NW
4304732756	CHANDLER & ASSOCIATES LLC	GLEN BENCH 15-19	POW WIW	UTU9617	UTU73974X	8S	22E	19	SW
4304732857	CHANDLER & ASSOCIATES LLC	GLEN B 11-16-8-22	POW	STATE	UTU73974X	8S	22E	16	NE

DISCLAIMER for online data: No warranty is made by the BLM for use of the data for purposes not intended by the BLM.

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

UIC FORM 5

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number SEE ATTACHMENT	API Number
Location of Well	Field or Unit Name
Footage : _____ County : _____	Lease Designation and Number
QQ, Section, Township, Range: _____ State : UTAH	

EFFECTIVE DATE OF TRANSFER: _____

CURRENT OPERATOR

Company: CHANDLER & ASSOCIATES	Name: JAMES A SIMONTON
Address: 475 17TH ST #1000	Signature: <i>James A Simonton</i>
city DENVER state CO zip 80202	Title: Operations Supervisor
Phone: _____	Date: _____
Comments: _____	

NEW OPERATOR

Company: SHENANDOAH ENERGY INC.	Name: J. T. CONLEY
Address: 11002 E. 17500 S.	Signature: <i>J. T. Conley</i>
city VERNAL state UT zip 84078	Title: DISTRICT MANAGER
Phone: 435-781-4300	Date: 10-19-00
Comments: _____	

(This space for State use only)

Transfer approved by: *[Signature]* Approval Date: 11-2-00
Title: *Tech. Services Manager*

Comments: MIT needed for 22-20, 7-16, 15-19.

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH		4-KAS	<input checked="" type="checkbox"/>
2. CDW		5-810	<input checked="" type="checkbox"/>
3. JLT		6-FILE	

Enter date after each listed item is completed

X Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

Merger

The operator of the well(s) listed below has changed, effective: **8-24-2000**

FROM: (Old Operator):
CHANDLER & ASSOCIATES INC
Address: 475 17TH STREET STE 1000
DENVER, CO 80202
Phone: 1-(303)-295-0400
Account No. N3320

TO: (New Operator):
SHENANDOAH ENERGY INC
Address: 475 17TH STREET STE 1000
DENVER, CO 80202
Phone: 1-(303)-295-0400
Account No. N4235

CA No.

Unit: GLEN BENCH

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
GLEN BENCH STATE 17-16	43-047-32582	11716	16-08S-22E	STATE	WI	A
GLEN BENCH STATE 12-16	43-047-32583	11732	16-08S-22E	STATE	WI	A
GLEN BENCH STATE 15-19	43-047-32756	11955	19-08S-22E	FEDERAL	WI	A
GLEN BENCH FEDERAL 22-20	43-047-31356	6135	20-08S-22E	FEDERAL	WI	A

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 05/30/2000
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 05/30/2000
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 11/02/2000
4. Is the new operator registered in the State of Utah: YES Business Number: 1467732-0143
5. If **NO**, the operator was contacted on: _____
6. **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: 06/05/2000
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 08/24/2000
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator

change for all wells listed involved in a ~~cert.~~ on: N/A

9. Underground Injection Control ("UIC") Prog: 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: 11/03/2000

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database** on: 11/02/2000
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 11/02/2000
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: 159261960

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A
The Division sent response by letter on: N/A
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: _____

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 3.2.01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filed in each well file on: _____

COMMENTS:

**MECHANICAL INTEGRITY TEST
CASING OR ANNULUS PRESSURE TEST**

U.S. ENVIRONMENTAL PROTECTION AGENCY
UNDERGROUND INJECTION CONTROL PROGRAM, UIC IMPLEMENTATION SECTION (8ENF-T)
999 18TH STREET, SUITE 500, DENVER, CO. 80202-2466

EPA WITNESS: _____

DATE: 10/2/2001

TIME: ~~11:00~~ 11:00 AM/PM

TEST CONDUCTED BY: MIKE JOHNSON

OTHERS PRESENT: N/A

WELL:	<u>GLEN BENCH 7-16</u>	WELL ID. EPA#-UT2803-04335
		<u>API#- 43-047-32592</u>
FIELD:	<u>GLEN BENCH</u>	COMPANY: <u>SHENANDOAH ENERGY INC.</u>
WELL LOCATION:	<u>SE/NE-16T8S R22E</u>	ADDRESS: <u>11002 EAST 17500 SOUTH</u>
		<u>VERNAL, UTAH 84078</u>
WELL STATUS:	<u>ACTIVE</u>	

TIME	TEST #1		TIME	TEST #2		TEST #3	
		CASING PRESSURE			CASING PRESSURE	TIME	CASING PRESSURE
<u>8:10</u>	0 MIN	<u>1200</u>	_____	_____	_____	_____	_____
<u>8:05</u>	5	<u>1200</u>	_____	_____	_____	_____	_____
<u>8:10</u>	10	<u>1190</u>	_____	_____	_____	_____	_____
<u>8:15</u>	15	<u>1190</u>	_____	_____	_____	_____	_____
<u>8:20</u>	20	<u>1190</u>	_____	_____	_____	_____	_____
<u>8:25</u>	25	<u>1180</u>	_____	_____	_____	_____	_____
<u>8:30</u>	30 MIN	<u>1180</u>	_____	_____	_____	_____	_____
_____	35	_____	_____	_____	_____	_____	_____
_____	40	_____	_____	_____	_____	_____	_____
_____	45	_____	_____	_____	_____	_____	_____
_____	50	_____	_____	_____	_____	_____	_____
_____	55	_____	_____	_____	_____	_____	_____
_____	60 MIN	_____	_____	_____	_____	_____	_____

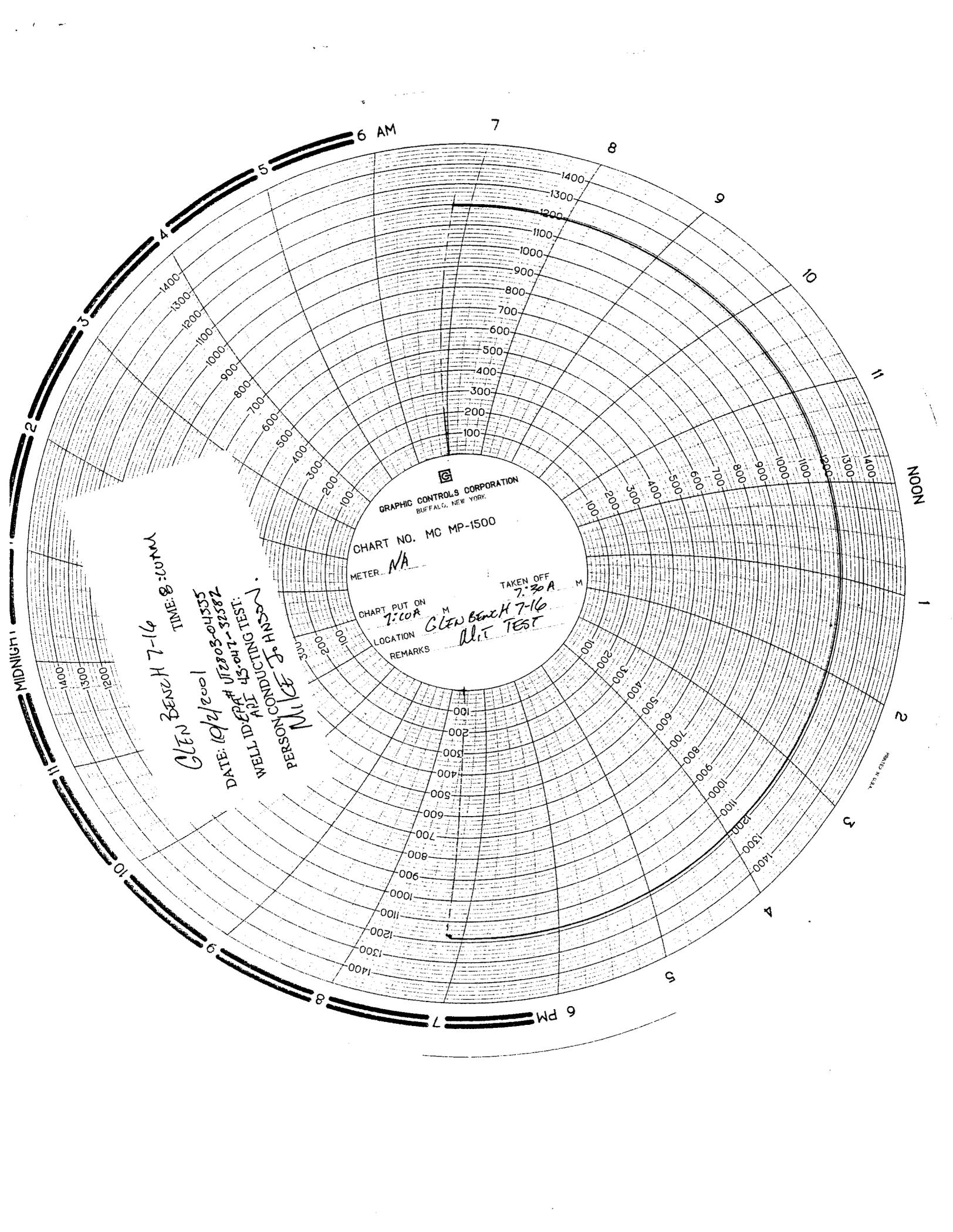
START TUBING PRESSURE, PSIG 550

END TUBING PRESSURE, PSIG 550

RESULTS (CIRCLE) PASS FAIL

SIGNATURE OF EPA WITNESS: Mike Johnson

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY



GRAPHIC CONTROLS CORPORATION
BUFFALO, NEW YORK

CHART NO. MC MP-1500
METER. NA

CHART PUT ON 7:00 A M
LOCATION GLEN BENCH 7-16
REMARKS ALL TEST

TAKEN OFF 7:30 A M

PERSON CONDUCTING TEST: M. J. HANSN
WELL ID: EPA # VT2805-01535
DATE: 10/2/2001
GLEN BENCH 7-16
YMW: 8:00 AM

APP. X 11/19/88



May 28, 2003

Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attention: John Baza/Jim Thompson

Gentlemen:

This will serve as notice that through the internal corporate changes described below, activities formerly conducted in the name of either Shenandoah Operating Company, LLC (SOC) and/or Shenandoah Energy, Inc. (SEI) will hereafter be conducted in the name of QEP Uinta Basin, Inc.: i) the Shenandoah entities were purchased in July, 2001 by Questar Market Resources, Inc., which is a mid-level holding company for the non-utility businesses of Questar Corporation, ii) Shenandoah Operating Company, LLC has now been merged into Shenandoah Energy, Inc. (SEI), iii) Shenandoah Energy, Inc. has now been re-named **QEP Uinta Basin, Inc.** pursuant to a State of Delaware Amended and Restated Certificate of Incorporation, iv) the same employees will continue to be responsible for operations of the former SOC and SEI properties, both in the field and in the office. Accordingly, the change involves only an internal corporate name change and no third party change of operator is involved. Please alter your records to reflect the entity name change. Attached is a spreadsheet listing all wells affected by this change.

Should you have any questions, please call me at 303 - 308-3056.

Yours truly,

Frank Nielsen
Division Landman

Enclosure

RECEIVED

JUN 02 2003

DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

June 9, 2003

QEP Uinta Basin, Inc.
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Glen Bench Enhanced Recovery Unit
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed its name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Glen Bench Enhanced Recovery Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Glen Bench Enhanced Recovery Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Glen Bench Enhanced Recovery Unit.

It is requested that you notify all interested parties of the name change of unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File – Glen Bench Enhanced Recovery Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron

UT922:TAThompson:tt:6/9/03

JUL 07 2003

3104 (932.34)WF
Nationwide Bond ESB000024

NOTICE

QEP Uinta Basin, Inc.
1050 17th Street Suite 500
Denver, Colorado 80265

:
: Oil and Gas
: lease
:

Name Change Recognized

Acceptable evidence has been filed in this office concerning the name change of Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated. QEP Uinta Basin, Incorporated is the surviving entity. This name change is recognized effective April 17, 2003.

Eastern States will notify the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this notice.

If you have any questions, please contact Bill Forbes at 703-440-1536.

S/Wilbert B. Forbes

Wilbert B. Forbes
Land Law Examiner
Branch of Use Authorization
Division of Resources Planning,
Use and Protection

bc: JFO,MMS, ES RF, 930 RF, 932.34 RF, E-932: wbf:07 /07/03:440-1536/ QEP Uinta Basin
MFO

TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List	API Number
Location of Well	Field or Unit Name Glen Bench
Footage :	County: Uintah
QQ, Section, Township, Range:	State: UTAH
	Lease Designation and Number

EFFECTIVE DATE OF TRANSFER: _____

CURRENT OPERATOR

Company: Shenandoah Energy Inc	Name: John Busch
Address: 11002 East 17500 South	Signature: John Busch
city Vernal state UT zip 84078	Title: District Foreman
Phone: (435) 781-4300	Date: 9-02-03
Comments:	

NEW OPERATOR

Company: QEP Uinta Basin, Inc.	Name: John Busch
Address: 11002 East 17500 South	Signature: John Busch
city Vernal state UT zip 84078	Title: District Foreman
Phone: _____	Date: 9-02-03
Comments:	

(This space for State use only)

Transfer approved by: [Signature]
Title: Field Services Manager

Approval Date: 9-10-03

Comments: Case # 235-01
located in Indian Country, EPA
is primary UIC Agency.

RECEIVED
SEP 04 2003
DIV. OF OIL, GAS & MINING

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	Field	Footages
GLEN BENCH FED 22-20	20	080S	220E	4304731356	13727	Federal	WI	A	Natural Buttes	1895 FNL, 1822 FWL
GLEN BENCH U 15-19-8-22	19	080S	220E	4304732756	13727	Federal	WI	A	Natural Buttes	329' FSL, 1987' FEL
GLEN BENCH ST 12-16	16	080S	220E	4304732583	13727	State	WI	A	Kennedy Wash	1432' FSL, 637' FWL
GLEN BENCH ST 6-16	16	080S	220E	4304732549	13727	State	WI	A	Kennedy Wash	1559' FNL, 2191 FWL
GLEN BENCH ST 7-16	16	080S	220E	4304732582	13727	State	WI	A	Kennedy Wash	1736 FNL, 1464 FEL

OPERATOR CHANGE WORKSHEET

ROUTING

1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold)

Designation of Agent/Operator

X Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective:		2/1/2003
FROM: (Old Operator):	TO: (New Operator):	
N4235-Shenandoah Energy Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	N2460-QEP Uinta Basin Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	

CA No. Unit:

WELL(S)									
NAME	SECT	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
BRENNAN BOTTOM UNIT									
BRENNAN FED 5	18	070S	210E	4304715420	5261	Federal	WI	A	
BRENNAN FED 11	18	070S	210E	4304732772	5261	Federal	WI	A	
GLEN BENCH UNIT									
GLEN BENCH ST 12-16	16	080S	220E	4304732583	13727	State	WI	A	
GLEN BENCH ST 6-16	16	080S	220E	4304732549	13727	State	WI	A	
GLEN BENCH ST 7-16	16	080S	220E	4304732582	13727	State	WI	A	
GLEN BENCH U 15-19-8-22	19	080S	220E	4304732756	13727	Federal	WI	A	
GLEN BENCH FED 22-20	20	080S	220E	4304731356	13727	Federal	WI	A	
GYPSUM HILLS UNIT									
GYPSUM HILLS 12	19	080S	210E	4304732458	5355	Federal	WI	A	
COSTAS FED 1-20-4B	20	080S	210E	4304731006	5355	Federal	WI	A	
COSTAS FED 2-20-3B	20	080S	210E	4304731066	5355	Federal	WI	A	
GYPSUM HILLS 15	20	080S	210E	4304732648	5355	Federal	WI	A	
GYPSUM HILLS 17	20	080S	210E	4304732649	5355	Federal	WI	A	
GYPSUM HILLS 3	20	080S	210E	4304720002	5355	Federal	WI	A	
GYPSUM HILLS 6	20	080S	210E	4304730099	5251	Federal	WI	A	
SRU 8-I	20	080S	210E	4304731932	5355	Federal	WI	A	
COSTAS FED 3-21-1D	21	080S	210E	4304731604	5355	Federal	WI	A	
GYPSUM HILLS 10	21	080S	210E	4304732306	5355	Federal	WI	A	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2003
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/2003
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/19/2003
- Is the new operator registered in the State of Utah: YES Business Number: 5292864-0151

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET

ROUTING

1. DJJ
2. CDW

Change of Operator (Well Sold)

X - Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:

1/1/2007

FROM: (Old Operator): N2460-QEP Uinta Basin, Inc. 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 672-6900	TO: (New Operator): N5085-Questar E&P Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 672-6900
---	--

WELL NAME	CA No.	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS					*				

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 1/31/2005
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2)Waste Management Plan has been received on: IN PLACE
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: n/a
- 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 4/23/2007 BIA
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: _____
- 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: _____

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 4/30/2007 and 5/15/2007
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 4/30/2007 and 5/15/2007
- Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
- Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
- Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 799446
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** 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: n/a

COMMENTS: THIS IS A COMPANY NAME CHANGE.

SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
 GLEN BENCH (ENHANCED RECOVERY) UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
GB 8D-20-8-22	GB 8D-20-8-22	SENE	20	080S	220E	4304737665	15977	Federal	GW	DRL
WHITE RIVER U 16-9	WR 16-9	SWSE	09	080S	220E	4304715081	4915	Federal	OW	S
GLEN BENCH 31-30	GLEN BENCH 31-30	NWNE	30	080S	220E	4304731008	13727	Federal	OW	P
NGC 13-20	GB 13-20	NWSW	20	080S	220E	4304731355	13727	Federal	OW	P
GLEN BENCH FED 22-20	GB 22-20	SENE	20	080S	220E	4304731356	13727	Federal	WI	A
FED 31-20	GB 31-20	NWNE	20	080S	220E	4304731433	13727	Federal	OW	P
ANTELOPE DRAW 2-17-4C	GB 2-17	SESW	17	080S	220E	4304731555	13727	Federal	OW	P
ANTELOPE DRAW 3-17-3C	GB 3-17	SESE	17	080S	220E	4304731556	13727	Federal	OW	S
GLEN BENCH 8-19	GB 8-19	SENE	19	080S	220E	4304732476	13727	Federal	OW	P
GLEN BENCH 4-30-8-22	GB 4-30-8-22	NWNW	30	080S	220E	4304732755	13727	Federal	OW	S
GLEN BENCH U 15-19-8-22	GB 15-19-8-22	SWSE	19	080S	220E	4304732756	13727	Federal	WI	A
OU GB 1G-19-8-22	OU GB 1G-19-8-22	NENE	19	080S	220E	4304734696	13727	Federal	OW	S
OU GB 2W-30-8-22	GB 2ML-30-8-22	NWNE	30	080S	220E	4304735080	14816	Federal	GW	P
GB 8ML-17-8-22	GB 8ML-17-8-22	SENE	17	080S	220E	4304737995		Federal	GW	APD
WHITE RIVER U 43-16	WR 43-16	NENW	16	080S	220E	4304731354	5170	State	OW	S
WHITE RIVER U 45-16	GB 45-16	NENE	16	080S	220E	4304731399	13727	State	OW	P
GLEN BENCH ST 6-16	GB 6-16	SENE	16	080S	220E	4304732549	13727	State	WI	A
GLEN BENCH ST 7-16	GB 7-16	SWNE	16	080S	220E	4304732582	13727	State	WI	A
GLEN BENCH ST 12-16	GB 12-16	NWSW	16	080S	220E	4304732583	13727	State	WI	A
GLEN BENCH U 11-16-8-22	GB 11-16-8-22	NESW	16	080S	220E	4304732857	13727	State	OW	P
GB 1MU-16-8-22	GB 1MU-16-8-22	NENE	16	080S	220E	4304734656	14251	State	GW	P
OU GB 7W-16-8-22	OU GB 7W-16-8-22	SWNE	16	080S	220E	4304734659	13747	State	GW	P

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265		7. UNIT or CA AGREEMENT NAME: see attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached		8. WELL NAME and NUMBER: see attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: attached
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT:
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

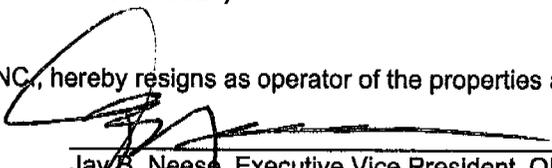
Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:

Federal Bond Number: 965002976 (BLM Reference No. ESB000024)

Utah State Bond Number: 965003033

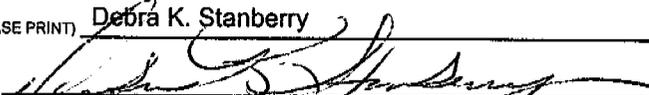
Fee Land Bond Number: 965003033

Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.


Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list


Jay B. Neese, Executive Vice President
Questar Exploration and Production Company

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs
SIGNATURE  DATE 3/16/2007

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APR 19 2007

DIV. OF OIL, GAS & MINING

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

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.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 Denver STATE: CO ZIP: 80265		7. UNIT or CA AGREEMENT NAME: see attached
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached		8. WELL NAME and NUMBER: see attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:		9. API NUMBER: attached
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT:
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>1/1/2007</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Well Name Changes</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) <u>Debra K. Starberry</u>	TITLE <u>Supervisor, Regulatory Affairs</u>
SIGNATURE	DATE <u>4/17/2007</u>

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APR 19 2007
DIV. OF OIL, GAS & MINING



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155



IN REPLY REFER TO
3180
UT-922

April 23, 2007

Questar Exploration and Production Company
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Glen Bench Enhanced Recovery Unit
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Glen Bench Enhanced Recovery Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Glen Bench Enhanced Recovery Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Glen Bench Enhanced Recovery Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure

bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
File - Glen Bench Enhanced Recovery Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files

UT922:TAThompson:tt:4/23/07

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APR 30 2007

DIV. OF OIL, GAS & MINING

Division of Oil, Gas and Mining
OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
 CDW

Change of Operator (Well Sold)

X - Operator Name Change

The operator of the well(s) listed below has changed, effective:

6/14/2010

FROM: (Old Operator): N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	TO: (New Operator): N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048
--	--

CA No. Unit: GLEN BENCH ENH REC

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
GB 22-20	20	080S	220E	4304731356	13727	Federal	WI	A
GB 6-16	16	080S	220E	4304732549	13727	State	WI	A
GB 7-16	16	080S	220E	4304732582	13727	State	WI	A
GB 12-16	16	080S	220E	4304732583	13727	State	WI	A
GB 15-19-8-22	19	080S	220E	4304732756	13727	Federal	WI	A

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 6/24/2010
- Is the new operator registered in the State of Utah: Business Number: 764611-0143
- (R649-9-2) Waste Management Plan has been received on: Requested
- Inspections of LA PA state/fee well sites complete on: n/a
- Reports current for Production/Disposition & Sundries on: ok
- 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 8/16/2010 BIA not yet
- Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
- Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
- Underground Injection Control ("UIC")** 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: 6/29/2010

DATA ENTRY:

- Changes entered in the **Oil and Gas Database** on: 6/30/2010
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 6/30/2010
- Bond information entered in RBDMS on: 6/30/2010
- Fee/State wells attached to bond in RBDMS on: 6/30/2010
- Injection Projects to new operator in RBDMS on: 6/30/2010
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

- Federal well(s) covered by Bond Number: ESB000024
- Indian well(s) covered by Bond Number: 965010693
- (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
- The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

- (R649-2-10) The **NEW** 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: n/a

COMMENTS:

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

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

5. LEASE DESIGNATION AND SERIAL NUMBER:
See attached

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
See attached

7. UNIT or CA AGREEMENT NAME:
See attached

8. WELL NAME and NUMBER:
See attached

9. API NUMBER:
Attached

10. FIELD AND POOL, OR WILDCAT:
See attached

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.

1. TYPE OF WELL OIL WELL GAS WELL OTHER _____

2. NAME OF OPERATOR:
Questar Exploration and Production Company *N5085*

3. ADDRESS OF OPERATOR:
1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 672-6900

4. LOCATION OF WELL
FOOTAGES AT SURFACE: See attached COUNTY: Attached
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: <u>6/14/2010</u>	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Operator Name Change</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024) *N3700*
Utah State Bond Number: ~~965003033~~
Fee Land Bond Number: ~~965003033~~ } *965010695*
BIA Bond Number: ~~799446~~ } *965010693*

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst
SIGNATURE *Morgan Anderson* DATE 6/23/2010

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JUN 28 2010

DIV. OF OIL, GAS & MINING

(See Instructions on Reverse Side)

APPROVED 6/30/2009
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:
3100
(UT-922)

JUL 28 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals

Roger L. Bankert

Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

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AUG 16 2010

DIV. OF OIL, GAS & MINERAL

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

UIC FORM 5

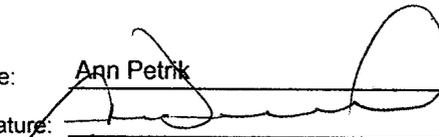
TRANSFER OF AUTHORITY TO INJECT

Well Name and Number See Attached List		API Number Attached
Location of Well		Field or Unit Name Attached
Footage : Attached	County :	Lease Designation and Number Attached
QQ, Section, Township, Range:	State : UTAH	

EFFECTIVE DATE OF TRANSFER: 6/14/2010

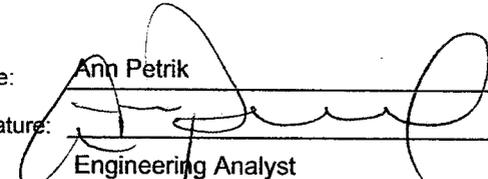
CURRENT OPERATOR

Company: Questar Exploration and Production Company
 Address: 1050 17th Street, Suite 500
city Denver state CO zip 80265
 Phone: (303) 672-6900
 Comments:

Name: Ann Petrik
 Signature: 
 Title: Engineering Analyst
 Date: 6/28/2010

NEW OPERATOR

Company: QEP Energy Company
 Address: 1050 17th Street, Suite 500
city Denver state CO zip 80265
 Phone: (303) 672-6900
 Comments:

Name: Ann Petrik
 Signature: 
 Title: Engineering Analyst
 Date: 6/28/2010

(This space for State use only)

Transfer approved by: _____

Approval Date: _____

Title: _____

Comments:

**Accepted by the
Utah Division of
Oil, Gas and Mining**

EPA approved well

Date: 6/29/10
 By: D. Jones

RECEIVED
JUN 28 2010