

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

5. Lease Designation and Serial No.
ML-27026

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name

1a. Type of Work
DRILL DEEPEN PLUG BACK

7. Unit Agreement Name
NONE

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

8. Farm or Lease Name
BUG

2. Name of Operator
WEXPRO COMPANY

9. Well No.
4

3. Address of Operator
P.O. Box 1129, ROCK SPRINGS, WYO. 82901

10. Field and Pool, or Wildcat
WILDCAT

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface 1928 FWL, 1915 FSL NE 1/4 SW 1/4
At proposed prod. zone --

11. Sec., T., R., M., or Blk. and Survey or Area
16 - 36S. - 26E. SLB&M

14. Distance in miles and direction from nearest town or post office*
11 MILES SOUTHWEST OF DOVE CREEK, COLORADO

12. County or Parrish 13. State
SAN JUAN UTAH

15. Distance from proposed* 1915' FROM NEAREST PROPERTY location to nearest property or lease line, ft. LINE (Also to nearest drlg. line, if any)
16. No. of acres in lease 640
17. No. of acres assigned to this well 2.58 ACRES

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft. 6,382' TO BUG NO. 1 S.12, T.36S., R.25E.
19. Proposed depth 6,385'
20. Rotary or cable tools ROTARY

Desert Creek

21. Elevations (Show whether DF, RT, GR, etc.)
GR 6565' KB 6610'
22. Approx. date work will start*
MAY 1, 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12-1/4"	9-5/8"	36#	2000'	1100 SKS. REG. "G" @ 3% CACL.
8-3/4"	5-1/2"	17#	6385'	50-50 POZMIX "A" AMT. TO BE DETERMINED FROM CALIPER LOGS

WEXPRO COMPANY PROPOSES TO DRILL THE SUBJECT WELL TO A TOTAL DEPTH OF 6,385'. FOR BLOWOUT PREVENTER INFORMATION, SEE ITEM NO. 5 OF THE 10 POINT PLAN.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: 3/27/80
BY: Original Signed By M. T. [Signature]

RECEIVED

MAR 21 1980

DIVISION 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.

24. Signed Holly Marie Keeler ENVIRONMENTAL SPECIALIST Title Date 3/18/80

(This space for Federal or State office use)

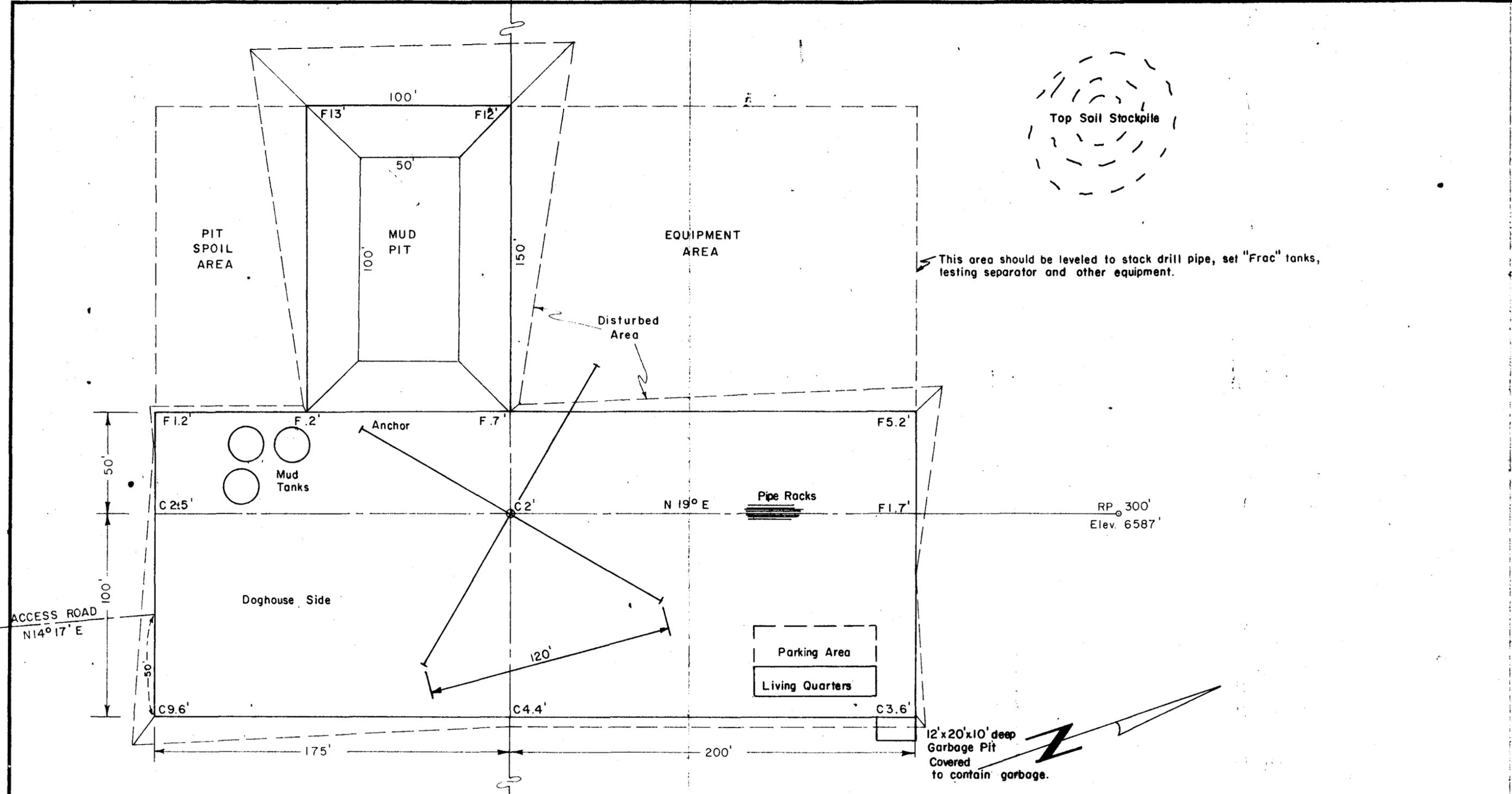
Permit No. 43-037-30542 Approval Date 3/26/80

Approved by _____ Title _____ Date _____
Conditions of approval, if any:

RP 300'
Elev. 6565.4



This area should be leveled to stack drill pipe, set "Frac" tanks, testing separator and other equipment.



ENLARGED WELL SITE PLAN
SCALE 1" = 50'

RP 200'
Elev. 6594.1'

GENERAL NOTES:

At sites where topsoil is present, same is to be removed and stored on the adjacent land for restoration at the site when required. 2083 Cubic yards or the top 6" of topsoil is to be stockpiled.

Mud pit and garbage pit are to be fenced and unlined

For well location profiles see drawing number M-14238

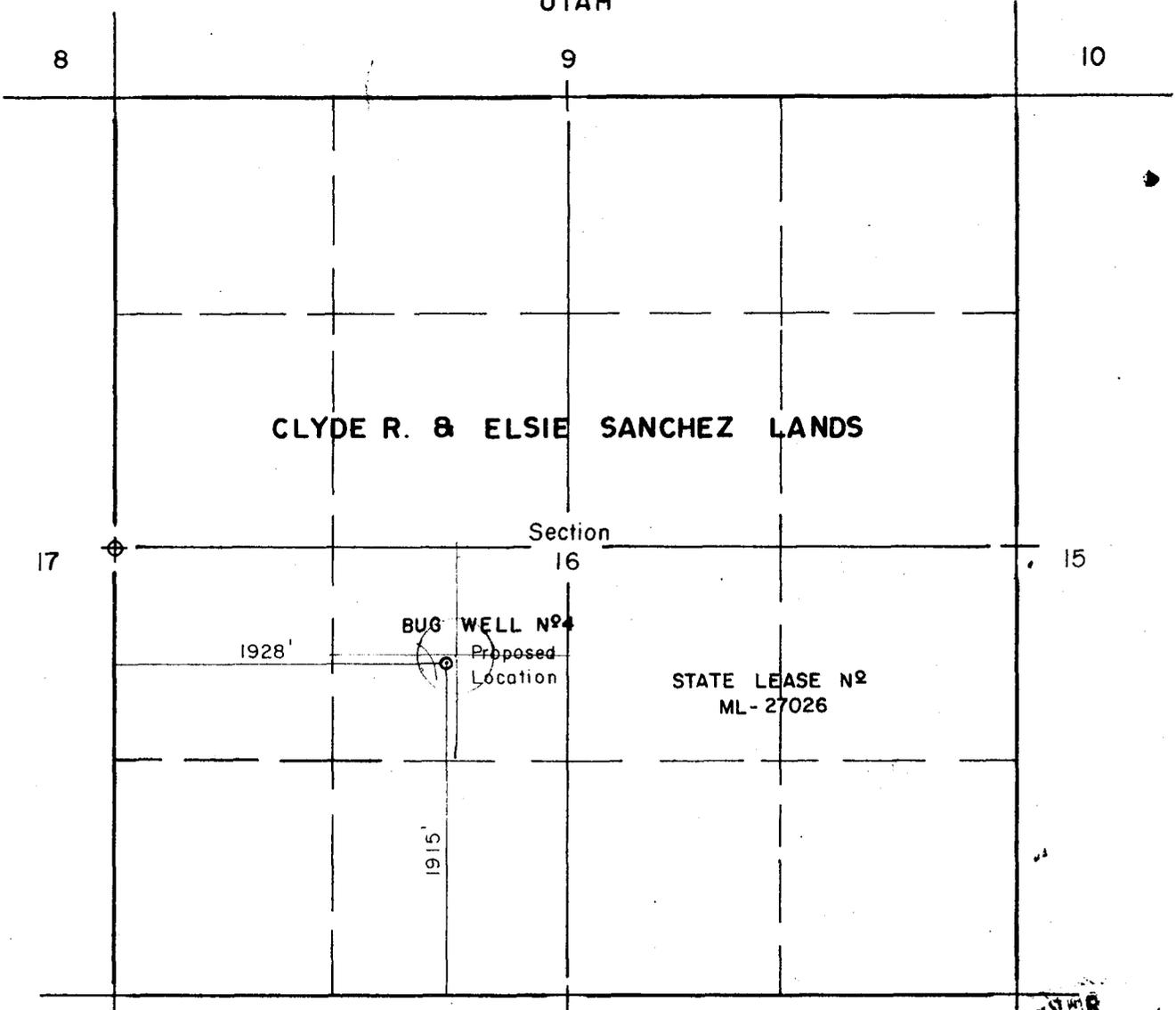
Area for well location is 2.58 Acres

Cuts are at 1:1, Fills are at 2:1

LEGEND		ENGINEERING RECORD	
⊙	Q WELL	SURVEYED BY	CLARK REED & ASSOCS.
⊕	STONE CORNER	REFERENCES	G.L.O. PLAT <input type="checkbox"/> U.S.G.S. QUAD MAP <input type="checkbox"/>
⊕	PIPE CORNER	LOCATION DATA	
		FIELD	
		LOCATION:	1915' North of the South line and 1928' East of the West line of section 16
			NE 1/4 SW 1/4, S. 16, T. 36 S., R. 26 E., SLB&M
		WELL ELEVATION:	6586.6' USGS datum
		GROUND ELEVATION:	6588.6' USGS datum

DRILLING W.O.

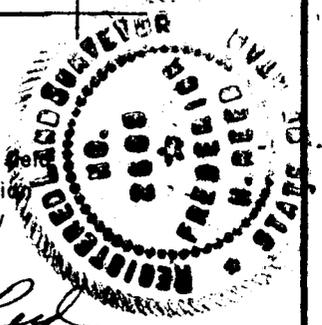
SECTION 16, T. 36 S., R. 26 E.,
 SLB. & M, SAN JUAN COUNTY,
 UTAH



LOCATION PLAN
 SCALE 1" = 1000'

1980
 1428
 52
 1980
 1213
 65

This is to certify that the above plot 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.



Ernest H. Reed
 ENGINEER

DATE: FEB. 29, 1980 FILE NO. 80008

REVISIONS			
NO.	DESCRIPTION	DATE	BY



WEXPRO COMPANY

CERTIFIED WELL LOCATION
 AND
 WELL SITE PLAN
 BUG WELL NO. 4
 SAN JUAN COUNTY, UTAH

DRAWN: _____ SCALE: AS NOTED
 CHECKED: *DTM* DRWG. NO. M-14237
 APPROVED: *RWH*

BUG WELL NO. 4
WEXPRO COMPANY
LEASE NO.: ML-27026
NE 1/4 SW 1/4 Section 16, T.36S., R.26E.
San Juan County, Utah
10-Point Plan

1. The surface formation is Morrison.
2. Estimated tops of important geological markers are:

Morrison	Surface
Entrada	1,065'
Carmel	1,200'
Navajo	1,255'
Wingate	1,700'
Chinle	1,965'
Shinarump	2,705'
Moenkopi	2,785'
Cutler	2,950'
Honaker Trail	4,675'
Paradox	5,350'
Upper Ismay	5,835'
Lower-Upper Ismay (Base 2nd Shale)	6,005'
Lower Ismay Shale	6,075'
Lower Ismay Porosity	6,185'
"B" Zone	6,205'
Desert Creek	6,255'
Lower Zone	6,305'
Producing Porosity Zone	6,310'
Total Depth:	6,385' or 10' above the Salt

Objective Reservoir: Lower-Upper Ismay 6,005'
Desert Creek Porosity 6,310'

3. Estimated depths of anticipated water, oil, gas or other mineral bearing formations expected:
 - A. No water flows expected.
 - B. Oil or gas expected in objective reservoirs (Lower-Upper Ismay 6,005' and Desert Creek Porosity 6,310'. Also, the Lower Ismay Porosity may be productive at 6,185').
 - C. No mineral bearing formations anticipated.
4. Casing Program:

<u>Proposed</u>	<u>Footage</u>	<u>Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Condition</u>	<u>Thread</u>
Surface	2,000'	9-5/8"	K-55	36#	New	8rd ST&C
Production	6,385'	5-1/2"	K-55	17#	New	8rd LT&C

Bug Well No. 4
Wexpro Company
Lease No.: ML-27026
NE 1/4 SW 1/4 Section 16, T.36S., R.26E.
San Juan County, Utah
10-Point Plan

Page Two

Cement Program:

Surface: 1,100 sacks regular type "G" cement treated with 5% Dowell D43A or 3% Calcium Chloride.

Production: Cement volumes and composition to be determined from caliper logs. Cement to be set 1000 feet above the uppermost productive zone.

5. Operator's minimum specifications for pressure control equipment requires a 10-inch, 3000 psi annular preventer, and a 10-inch, 3000 psi double gate blowout preventer from the surface to the total depth. See attached diagrams. Blowout preventer will be tested by rig equipment after each string of casing is run.

6. Fresh water with minimum properties from surface to 6,265'. Spud mud will be used for the surface hole. A mud de-sander will be used from under the surface casing to the total depth. The mud weight will be brought to 12 ppg before drilling into the Desert Creek zone at 6,265'.

A fully manned mud logging unit from 4000' to total depth will catch 10-foot samples. The contractor will catch 10-foot samples from surface casing to 4000 feet.

Sufficient mud materials to maintain mud requirements and to control minor lost circulation and blowout problems will be stored at the well site.

7. Auxiliary equipment will consist of:

1. A manually operated kelly cock
2. No floats at bit
3. Mud will be monitored visually from 1,600' to the total depth
4. Full opening Shafer floor valve manually operated

8. Four drill stem tests - (1) Cutler 2,950'; (2) Lower-Upper Ismay 6,005'; (3) Lower Ismay Porosity 6,185'; (4) Desert Creek Porosity 6,310'.

During drill stem testing or when a completion rig is completing a well, some flaring of natural gases or produced gases will be necessary.

DIL from below surface casing to total depth
CNL-Density 4300' to total depth
Continuous dipmeter 4300' to total depth

One 60' core in the Desert Creek Formation, 6,305'.

The planned stimulation is to acidize the well with approximately 15,000 gallons of HCL acid. Completed programs will be determined after log and D.S.T. information has been fully evaluated.

Bug Well No. 4
Wexpro Company
Lease No.: ML-27026
NE 1/4 SW 1/4 Section 16, T.36S., R.26E.
San Juan County, Utah
10-Point Plan

Page Three

The proposed completion zone is the Lower-Upper Ismay at 6,005' and the Desert Creek Porosity at 6,310'. The Lower Ismay Porosity may also be productive.

9. No abnormal temperatures or H₂S is anticipated. No abnormal pressures anticipated except the Lower Desert Creek zone at 6,305'. The pressure will be controlled with a mud weight of 12 ppg before drilling into the Desert Creek Zone.
10. The anticipated spud date is May 1, 1980.
Duration of drilling will be approximately 15 days with 2 days completion.

CHECKLIST 3000 PSI EQUIPMENT

Company Name _____
 Location _____
 Date _____

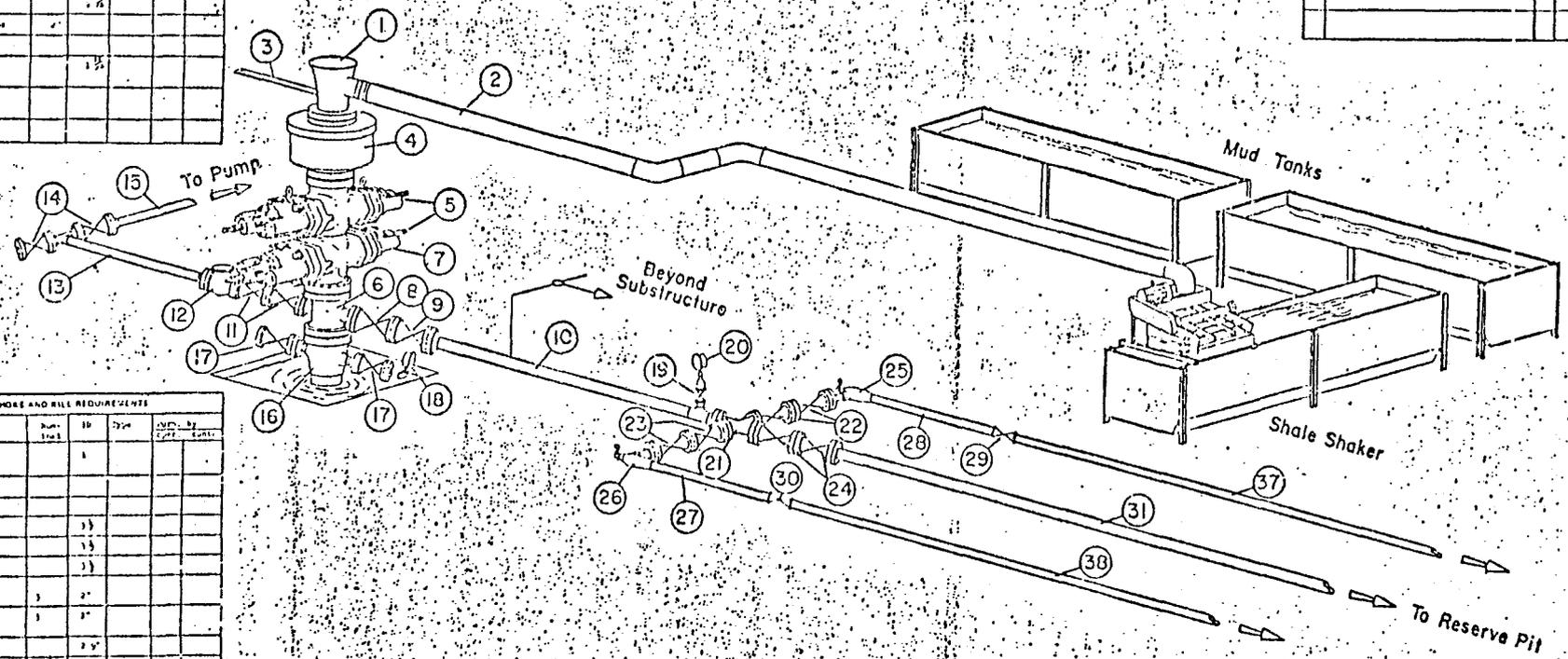
STANDARD CHOKES AND HILL REQUIREMENTS					
No.	Item	QTY	Size	Spec.	By
1	Drilling Rig				
2	Flowline				
3	Fill up line	2"			
4	Shower System				
5	One single or one dual pipe w/ 1" flow				
6	Drilling fluid with 2" and 3" outlets				
7	See reference to (6) flow and well bleed from well to this rig				
8	Valve Gate	3 1/2"			
9	Pressure/temperature recording unit	2 1/2"			
10	Flow line	2 1/2"			
11	Choke line	2 1/2"			
12	Flow line	2 1/2"			
13	Choke line	2 1/2"			
14	Flow line	2 1/2"			
15	Choke line	2 1/2"			
16	Flow line	2 1/2"			
17	Choke line	2 1/2"			
18	Flow line	2 1/2"			
19	Choke line	2 1/2"			
20	Flow line	2 1/2"			
21	Choke line	2 1/2"			
22	Flow line	2 1/2"			
23	Choke line	2 1/2"			
24	Flow line	2 1/2"			
25	Choke line	2 1/2"			
26	Flow line	2 1/2"			
27	Choke line	2 1/2"			
28	Flow line	2 1/2"			
29	Choke line	2 1/2"			
30	Flow line	2 1/2"			
31	Choke line	2 1/2"			
32	Flow line	2 1/2"			
33	Choke line	2 1/2"			
34	Flow line	2 1/2"			
35	Choke line	2 1/2"			
36	Flow line	2 1/2"			
37	Choke line	2 1/2"			
38	Flow line	2 1/2"			
39	Choke line	2 1/2"			
40	Flow line	2 1/2"			
41	Choke line	2 1/2"			
42	Flow line	2 1/2"			
43	Choke line	2 1/2"			
44	Flow line	2 1/2"			
45	Choke line	2 1/2"			
46	Flow line	2 1/2"			
47	Choke line	2 1/2"			
48	Flow line	2 1/2"			
49	Choke line	2 1/2"			
50	Flow line	2 1/2"			
51	Choke line	2 1/2"			
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54	Flow line	2 1/2"			
55	Choke line	2 1/2"			
56	Flow line	2 1/2"			
57	Choke line	2 1/2"			
58	Flow line	2 1/2"			
59	Choke line	2 1/2"			
60	Flow line	2 1/2"			

MOUNTAIN FUEL SUPPLY COMPANY

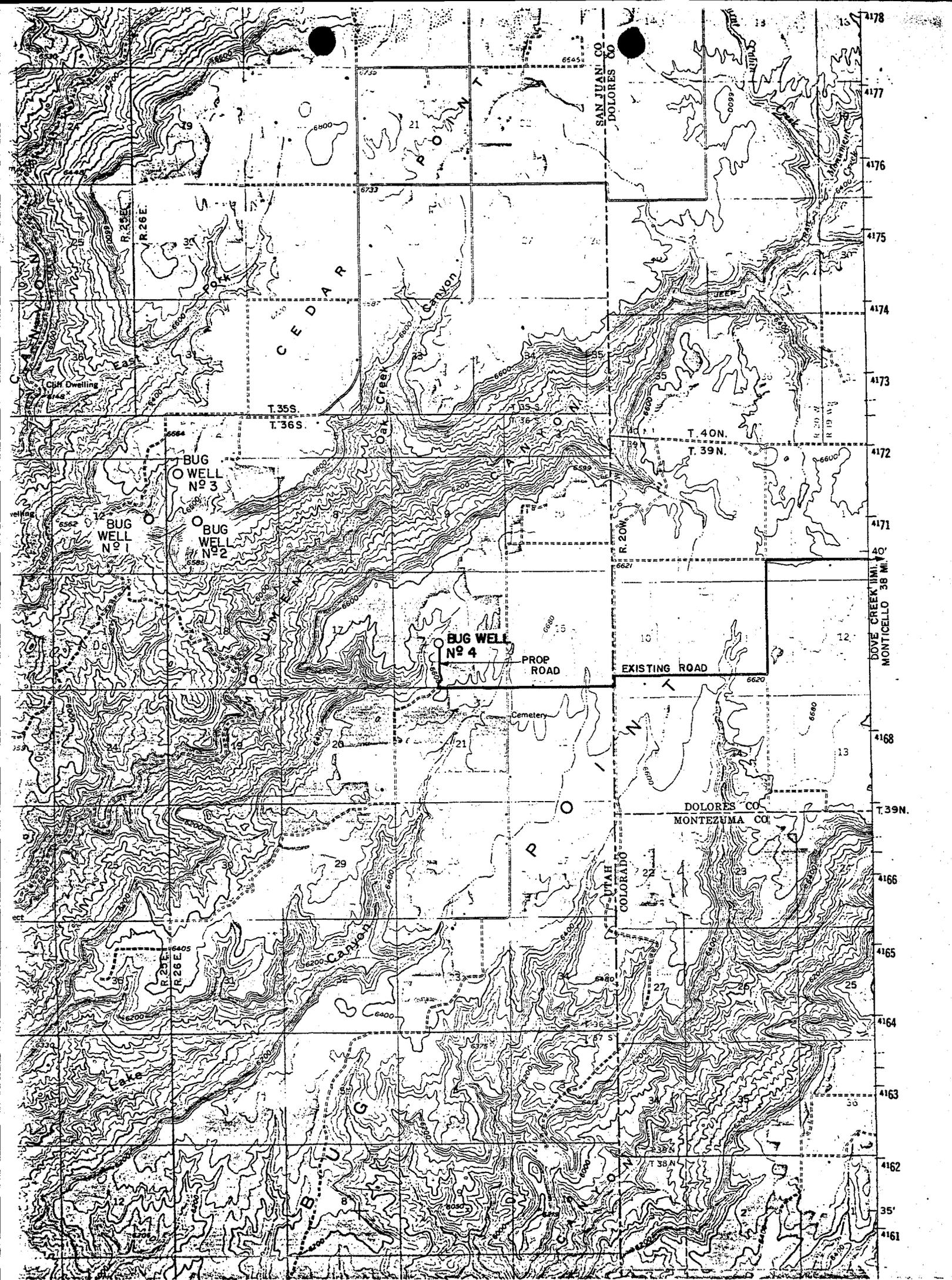
3000 psi BLOWOUT PREVENTION EQUIPMENT

SPECIAL CHOKES AND HILL REQUIREMENTS					

SPECIAL STACK REQUIREMENTS					

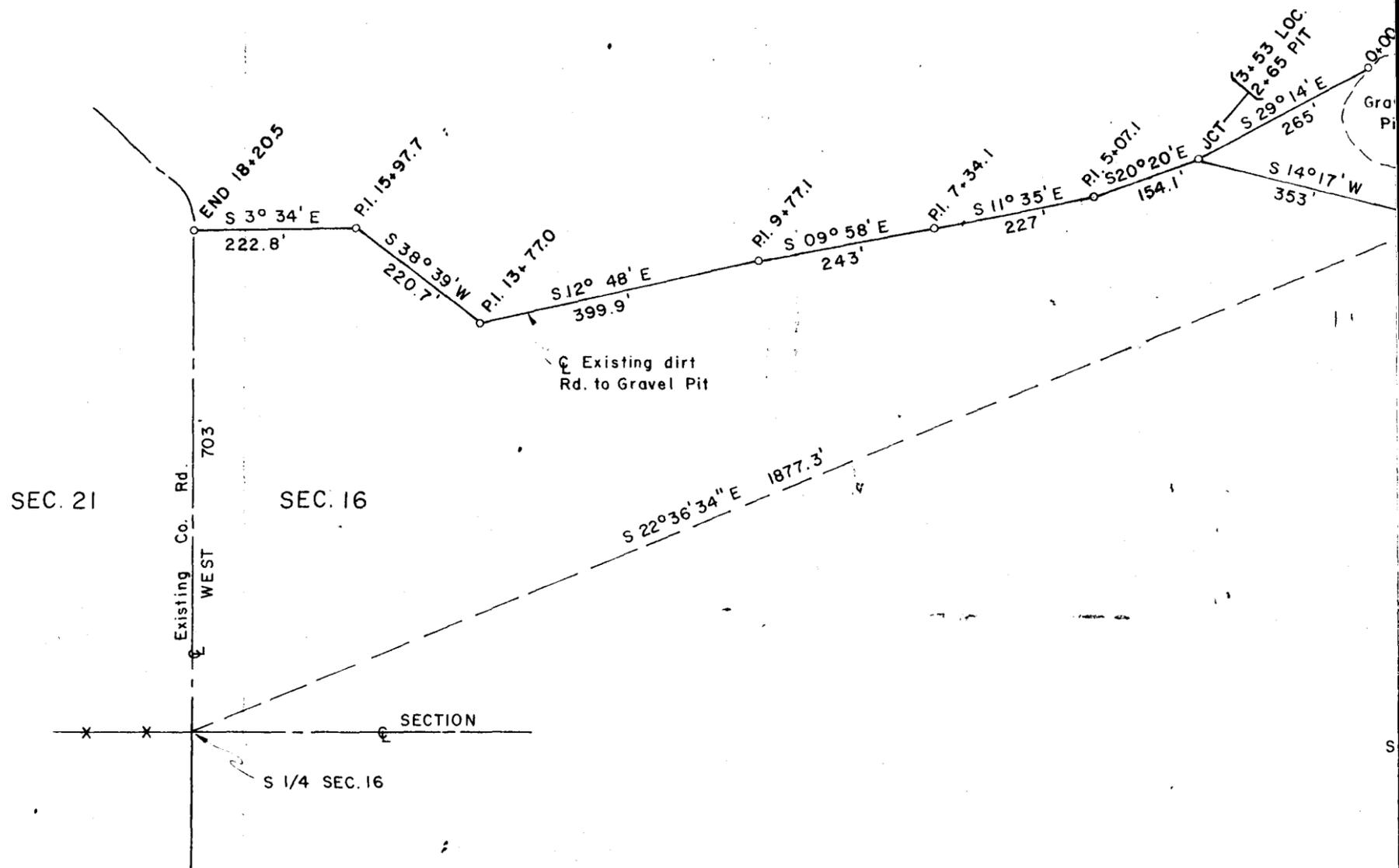


STANDARD CHOKES AND HILL REQUIREMENTS					
No.	Item	QTY	Size	Spec.	By
19	Valve Gate	1			
20	Compound pressure				
21	Choke line	3 1/2"			
22	Flow line	3 1/2"			
23	Flow line	3 1/2"			
24	Flow line	3 1/2"			
25	Choke line	3 1/2"			
26	Flow line	3 1/2"			
27	Flow line separator	2 1/2"			
28	Flow line	2 1/2"			
29	Flow line	2 1/2"			
30	Flow line	2 1/2"			
31	Flow line	2 1/2"			
32	Flow line	2 1/2"			
33	Flow line	2 1/2"			
34	Flow line	2 1/2"			
35	Flow line	2 1/2"			
36	Flow line	2 1/2"			
37	Flow line	2 1/2"			
38	Flow line	2 1/2"			

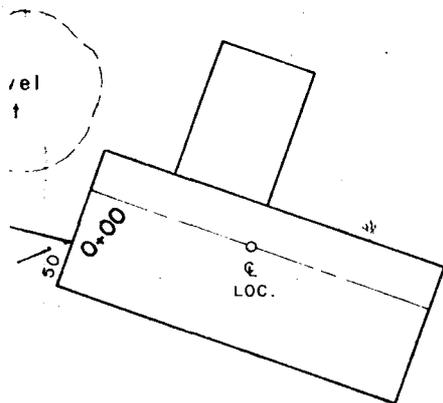


AREA MAP
FOR
BUG WELL N^o 4

SCALE: NONE



REGISTERED
 PROFESSIONAL SURVEYOR
 STATE OF ILLINOIS
 No. 12345
 EXP. 12/31/2024



Scale 1" = 200'

I hereby certify the above plat represents a survey made under my supervision and that it is accurate to the best of my knowledge and belief.

Frederick H. Reed

FREDERICK H. REED
Registered Land Surveyor

WEXPRO COMPANY
ROCK SPRINGS, WYO.

WELL SITE PLAN
BUG WELL NO. 4

T. 36 S., R. 26 E. SECTION 16
SAN JUAN COUNTY, UTAH

CLARK REED & ASSOCS

DATE: FEB. 29, 1980
FILE NO. 80008

CORE ANALYSIS RESULTS FOR

WEXPRO COMPANY

BUG NO. 4

BUG FIELD

SAN JUAN COUNTY, UTAH

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
 DALLAS, TEXAS

PAGE NO. 1

WEXPRO COMPANY
 BUG WELL NO. 4
 BUG FIELD
 SAN JUAN COUNTY

FORMATION : DESERT CREEK
 DRLG. FLUID: CHEM/GEL
 LOCATION : NE,SW SEC.16-36S-26E
 STATE : UTAH

DATE : 7-24-80
 FILE NO. : RP-3-3010
 ANALYSTS : GETZ
 ELEVATION: 6600 KB

WHOLE CORE ANALYSIS--BOYLE'S LAW POROSITY

SAMP. NO.	DEPTH	PERM. TO AIR (MD) MAX.	AIR (MD) 90 DEG.	POR. B.L.	FLUID SATS. OIL	WATER	GR. DNS.	DESCRIPTION
	6278-6283							NO ANALYSIS - ANHYDRITE
	6283-6284							NO ANALYSIS - SHALE
1	6284-85	2.5	0.18	6.9	0.0	6.3	2.74	DOL-DK BRN, F XLN, W/ANHY, SL/VUG, W/SHL
2	6285-86	5.9	5.1	7.8	0.0	11.9	2.81	DOL-MD BRN, M XLN, W/ANHY, VUGGY
3	6286-87	0.81	0.55	5.7	0.0	19.3	2.83	DOL-MD BRN, M XLN, W/ANHY, VUGGY
4	6287-88	86	77	12.5	1.0	13.3	2.80	DOL-MD BRN, M XLN, W/ANHY, VUGGY
5	6288-89	64	63	13.7	4.0	16.7	2.79	DOL-MD BRN, M XLN, W/ANHY, V/VUGGY
6	6289-90	92 *		14.5	5.1	26.3	2.82	DOL-MD BRN, M XLN, W/ANHY, V/VUGGY
7	6290-91	39	21	14.4	5.4	32.3	2.79	DOL-MD BRN, M XLN, W/ANHY, V/VUGGY
8	6291-92	56 *		13.0	3.3	30.0	2.82	DOL-MD BRN, M XLN, W/ANHY, V/VUGGY
9	6292-93	51	47	16.1	1.6	28.8	2.77	DOL-MD BRN, M XLN, W/ANHY, V/VUGGY
10	6293-94	41	26	14.2	4.4	23.1	2.80	DOL-MD BRN, M XLN, W/ANHY, V/VUGGY
11	6294-95	87	78	13.5	0.9	25.7	2.78	DOL-MD BRN, M XLN, W/ANHY, V/VUGGY, H/VUGGY
12	6295-96	39	21	11.9	2.4	18.3	2.80	DOL-MD BRN, M XLN, W/ANHY, V/VUGGY
13	6296-97	27	24	10.2	1.1	14.9	2.79	DOL-MD BRN, M XLN, W/ANHY, V/VUGGY
14	6297-98	18	18	10.5	0.0	19.1	2.78	DOL-MD BRN, M XLN, W/ANHY, V/VUGGY
15	6298-99	7.2	6.2	8.2	5.7	11.5	2.79	DOL-MD BRN, M XLN, W/ANHY, VUGGY
16	6299 -0	7.8	7.8	8.4	2.0	19.6	2.80	DOL-MD BRN, M XLN, W/ANHY, VUGGY
17	6300 -1	1.3	0.17	5.2	0.0	36.4	2.78	DOL-DK BRN, F XLN, W/ANHY, STY
	6301-6302							NO ANALYSIS - DOLOMITE
	6302-6315							NO ANALYSIS - SHALE
	6315-16							CORE LOSS

* SAMPLE NOT SUITABLE FOR WHOLE CORE ANALYSIS, PLUG USED.

CORE LABORATORIES, INC.



Petroleum Reservoir Engineering

COMPANY WEXPRO COMPANY FIELD BUG FILE RP-3-3010
 WELL BUG WELL NO. 4 COUNTY SAN JUAN DATE 7-24-80
 LOCATION NE SW SEC 16-T36S-R26E STATE UTAH ELEV. 6600'KB

CORE-GAMMA CORRELATION

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted), but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

VERTICAL SCALE: 5" = 100'

CORE-GAMMA SURFACE LOG

(PATENT APPLIED FOR)

GAMMA RAY

RADIATION INCREASE →

COREGRAPH

TOTAL WATER

PERCENT TOTAL WATER

80 60 40 20 0

PERMEABILITY

MILLIDARCYs

100 50 10 5 1

POROSITY

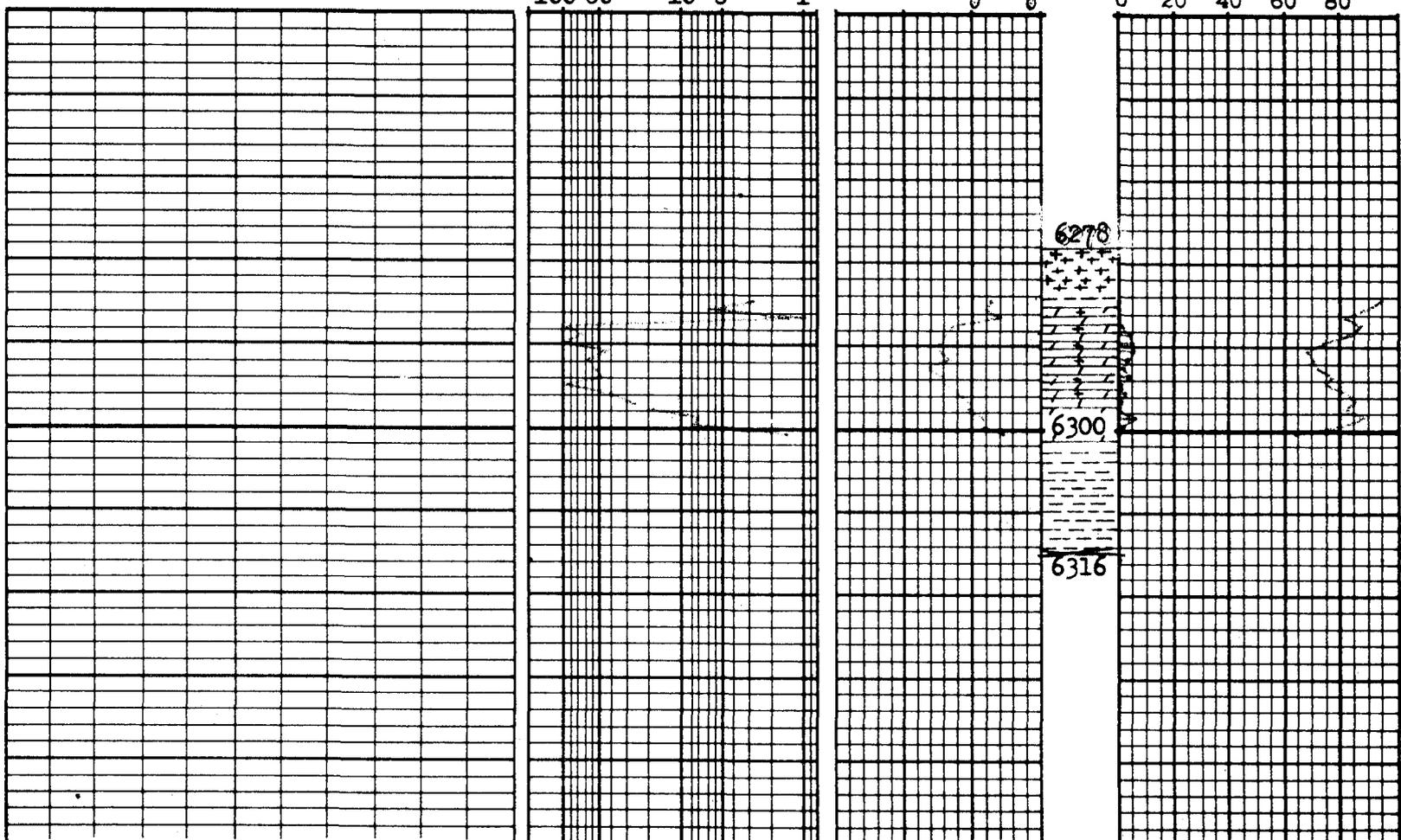
PERCENT

30 20 10 0

OIL SATURATION

PERCENT PORE SPACE

0 20 40 60 80



CORE SUMMARY AND CALCULATED RECOVERABLE OIL

FORMATION NAME AND DEPTH INTERVAL: **Desert Creek - 6284.0-6301.0 Feet**

FEET OF CORE RECOVERED FROM ABOVE INTERVAL	17	AVERAGE TOTAL WATER SATURATION: PER CENT OF PORE SPACE	20.8
FEET OF CORE INCLUDED IN AVERAGES	17	AVERAGE CONNATE WATER SATURATION: PER CENT OF PORE SPACE	
AVERAGE PERMEABILITY: MILLIDARCYs	36.8	OIL GRAVITY: °API	
PRODUCTIVE CAPACITY: MILLIDARCY-FEET	625.5	ORIGINAL SOLUTION GAS-OIL RATIO: CUBIC FEET PER BARREL	
AVERAGE POROSITY: PER CENT	11.0	ORIGINAL FORMATION VOLUME FACTOR: BARRELS SATURATED OIL PER BARREL STOCK-TANK OIL	
AVERAGE RESIDUAL OIL SATURATION: PER CENT OF PORE SPACE	2.2	CALCULATED ORIGINAL STOCK-TANK OIL IN PLACE: BARRELS PER ACRE-FOOT	

Calculated maximum solution gas drive recovery is barrels per acre-foot, assuming production could be continued until reservoir pressure declined to zero psig. Calculated maximum water drive recovery is barrels per acre-foot, assuming full maintenance of original reservoir pressure, 100% areal and vertical coverage, and continuation of production to 100% water cut. *(Please refer to footnotes for further discussion of recovery estimates.)*

(c) Calculated (e) Estimated (m) Measured (*) Refer to attached letter.

INTERPRETATION OF DATA

6284.0-6301.0 Feet - Believed to be gas and/or oil productive.

These recovery estimates represent theoretical maximum values for solution gas and water drive. They assume that production is started at original reservoir pressure; i.e., no account is taken of production to date or of prior drainage to other areas. The effects of factors tending to reduce actual ultimate recovery, such as economic limits on oil production rates, gas-oil ratios, or water-oil ratios, have not been taken into account. Neither have factors been considered which may result in actual recovery intermediate between solution gas and complete water drive recoveries, such as gas cap expansion, gravity drainage, or partial water drive. Detailed predictions of ultimate oil recovery to specific abandonment conditions may be made in an engineering study in which consideration is given to overall reservoir characteristics and economic factors.

These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc., and its officers and employees assume no responsibility and make no warranty or representation as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

CORE LABORATORIES, INC.

Petroleum Reservoir Engineering

DALLAS, TEXAS

PRELIMINARY REPORT

Company WEXPRO COMPANY Formation Desert Creek Page 1 of 1
 Well Bug Well No. 4 Cores Dia. Conv. 4" File RP-3-3010
 Field Bug Drilling Fluid Chem/Gel Date Report 7-24-80
 County San Juan State Utah Elevation 6600 KB Analysts Getz
 Location NE, SW Sec. 16-36S-26E Remarks

CORE ANALYSIS RESULTS

(Figures in parentheses refer to footnote remarks)

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYs		POROSITY PERCENT	RESIDUAL SATURATION		GRN. DEN.	REMARKS
		HORIZONTAL	90°		OIL % PORE	TOTAL WATER % PORE		
WHOLE CORE ANALYSIS WITH BOYLE'S LAW POROSITY								
	6278-83	-	-	-	-	-	-	ANHYDRITE - NO ANALYSIS
	6283-84	-	-	-	-	-	-	SHALE - NO ANALYSIS
1	6284-85	2.5	0.18	6.9	0.0	6.3	2.74	DOL-Dk brn, f xln, w/anhy sl/vug, w/shl
2	6285-86	5.9	5.1	7.8	0.0	11.9	2.81	DOL-Md brn, m xln, w/anhy, vuggy
3	6286-87	0.81	0.55	5.7	0.0	19.3	2.83	"
4	6287-88	86	77	12.5	1.0	13.3	2.80	"
5	6288-89	64	63	13.7	4.0	16.7	2.79	DOL-Md brn, m xln, w/anhy v/vuggy
6	6289-90	92*		14.5*	5.1	26.3	2.82*	"
7	6290-91	39	21	14.4	5.4	32.3	2.79	"
8	6291-92	56*		13.0*	3.3	30.0	2.82*	"
9	6292-93	51	47	16.1	1.6	28.8	2.77	"
10	6293-94	41	26	14.2	4.4	23.1	2.80	"
11	6294-95	87	78	13.5	0.9	25.7	2.78	DOL-Md brn, m xln, w/anhy v/vuggy, H frac
12	6295-96	39	21	11.9	2.4	18.3	2.80	DOL-Md brn, m xln, w/anhy v/vuggy
13	6296-97	27	24	10.2	1.1	14.9	2.79	"
14	6297-98	18	18	10.5	0.0	19.1	2.78	"
15	6298-99	7.2	6.2	8.2	5.7	11.5	2.79	DOL-Md brn, m xln, w/anhy vuggy
16	6299-00	7.8	6.0	8.4	2.0	19.6	2.80	"
17	6300-01	1.3	0.17	5.2	0.0	36.4	2.78	DOL-Dk brn, f xln, w/anhy sl/vug, sty, sl/shl
	6301-02	-	-	-	-	-	-	DOLOMITE - NO ANALYSIS
	6302-15	-	-	-	-	-	-	SHALE - NO ANALYSIS
	6315-16	-	-	-	-	-	-	CORE LOSS

* Sample unsuitable for whole core analysis, plug used.

NOTE:

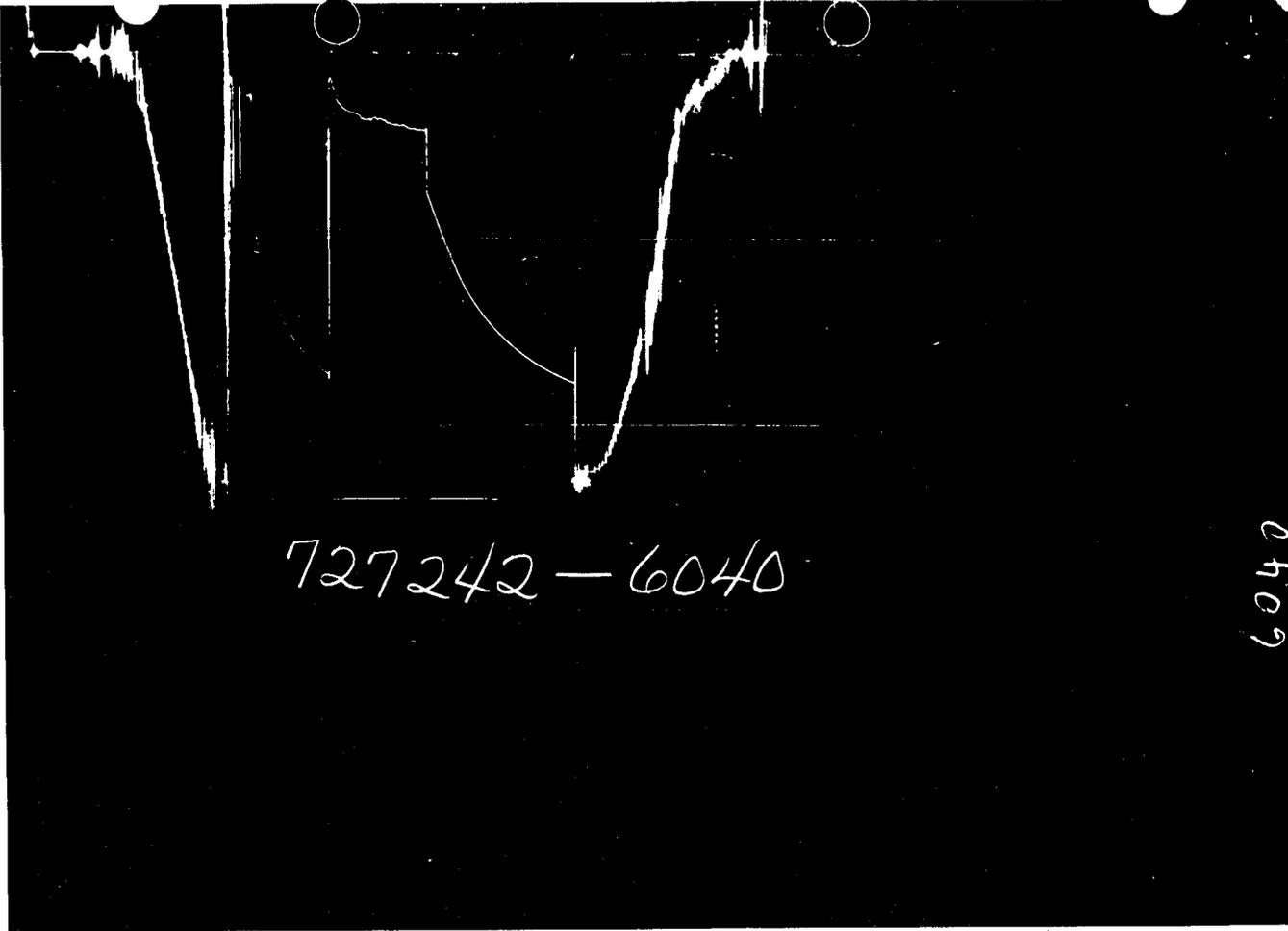
(*) REFER TO ATTACHED LETTER.

(1) INCOMPLETE CORE RECOVERY—INTERPRETATION RESERVED.

(2) OFF LOCATION ANALYSES—NO INTERPRETATION OF RESULTS.

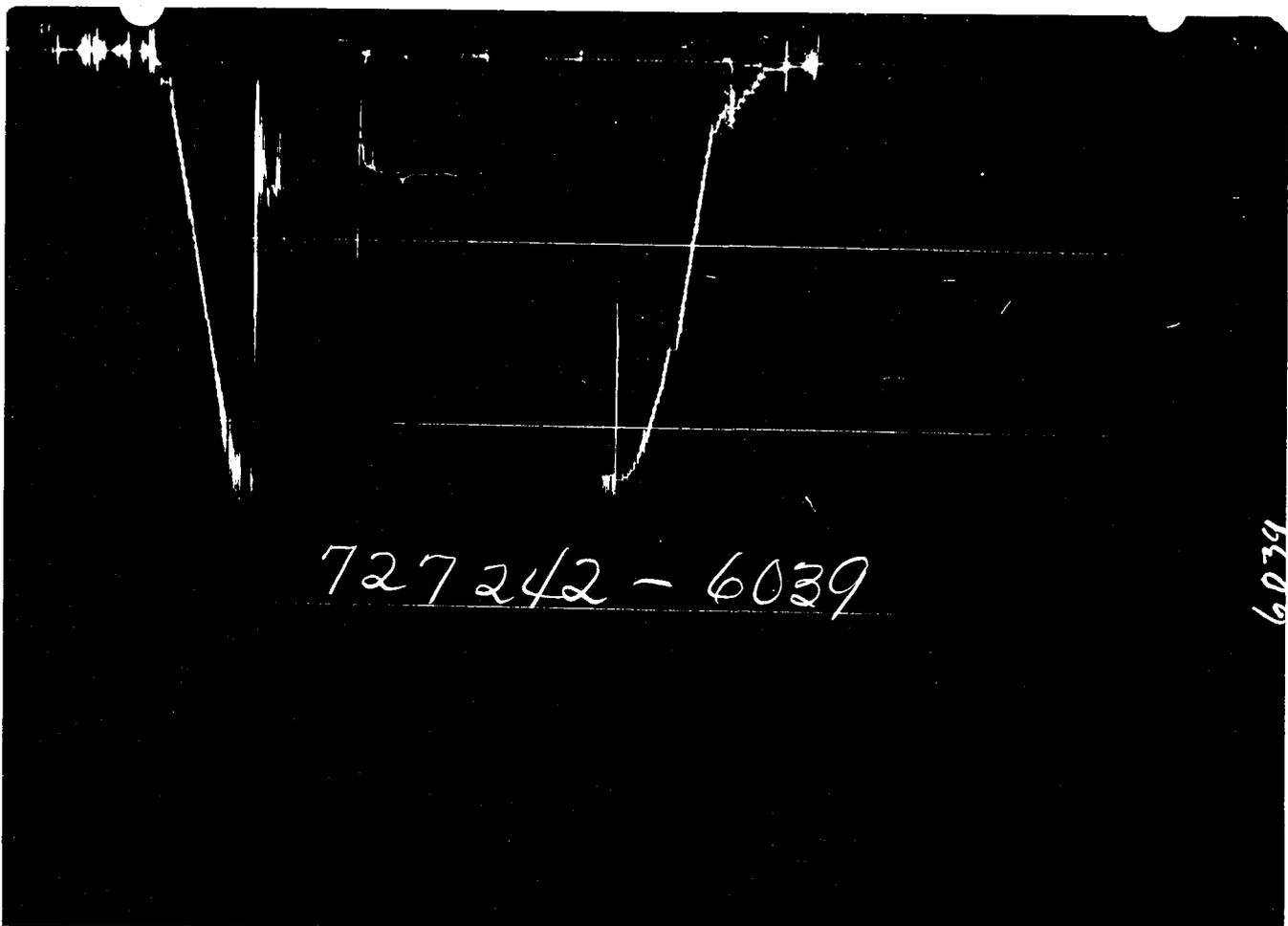
These analyses, opinions or interpretations are based on observations and materials supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc., and its officers and employees, assume no responsibility and make no warranty or representations, as to the productivity, proper operation, or profitability of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

↑ PRESSURE ↓



6040

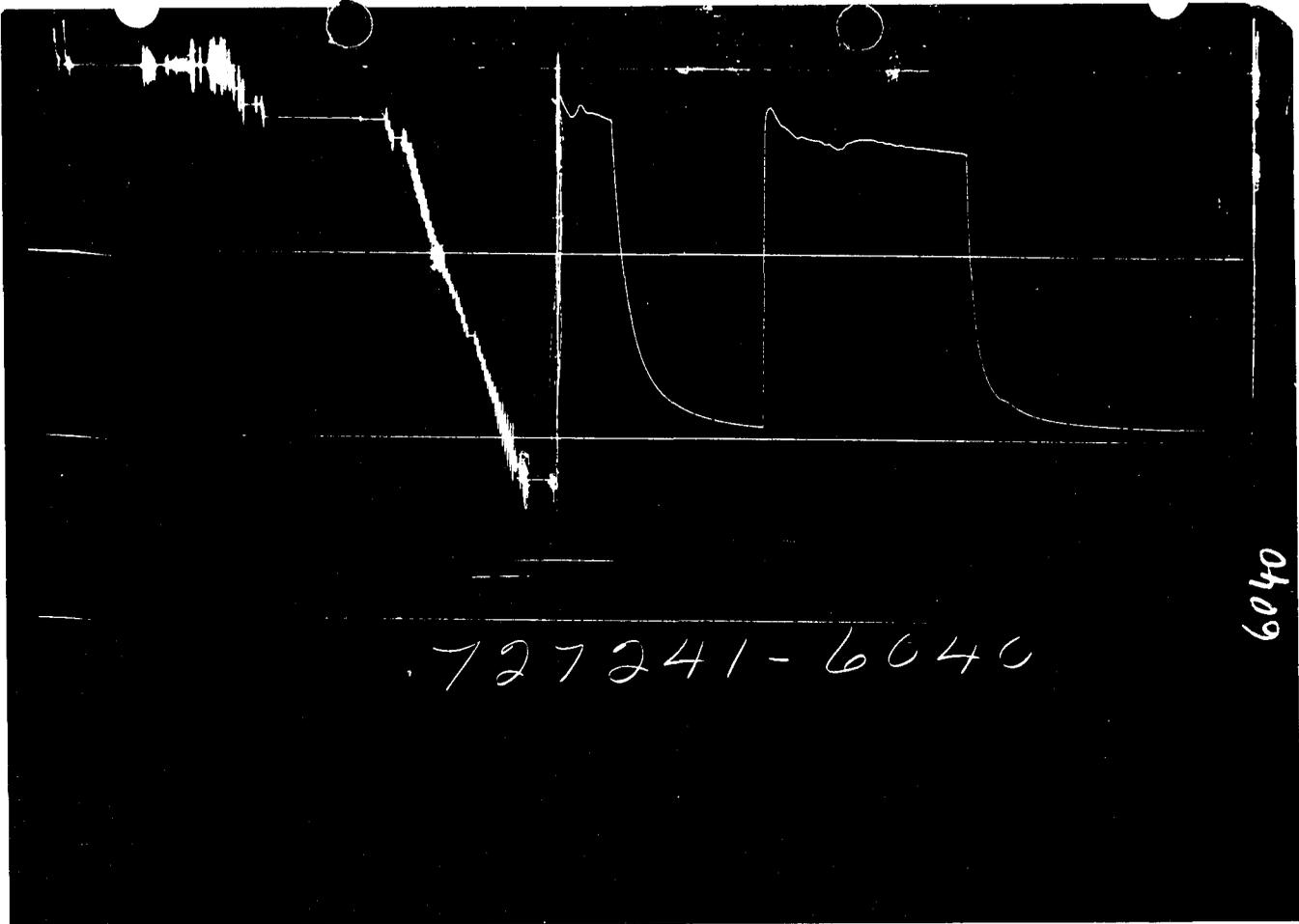
← TIME →



6039

Each Horizontal Line Equal to 1000 p.s.i.

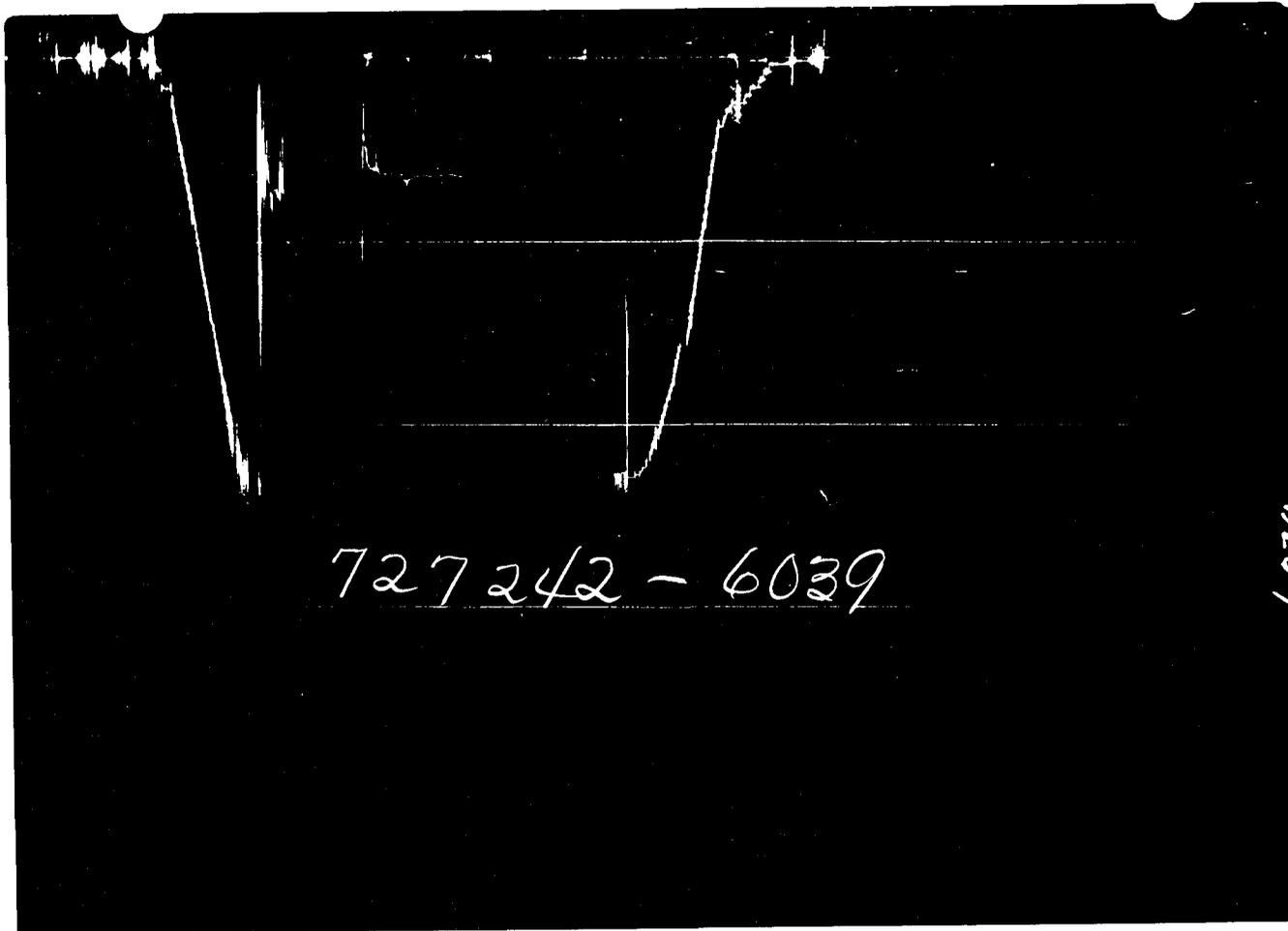
↑ PRESSURE ↓



6040

727241-6040

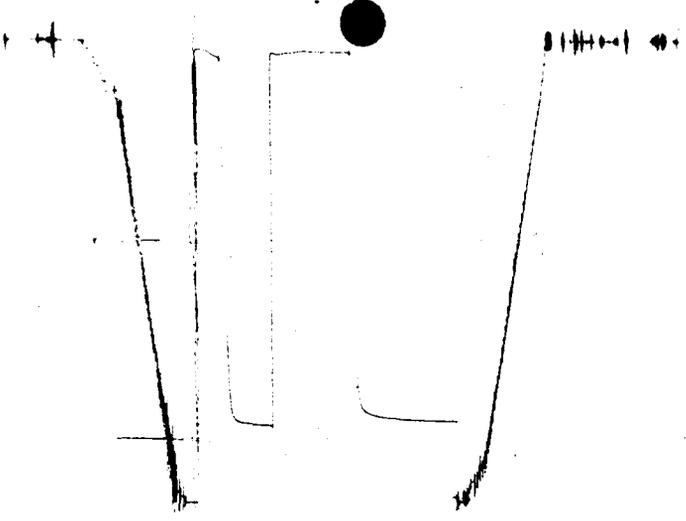
← TIME →



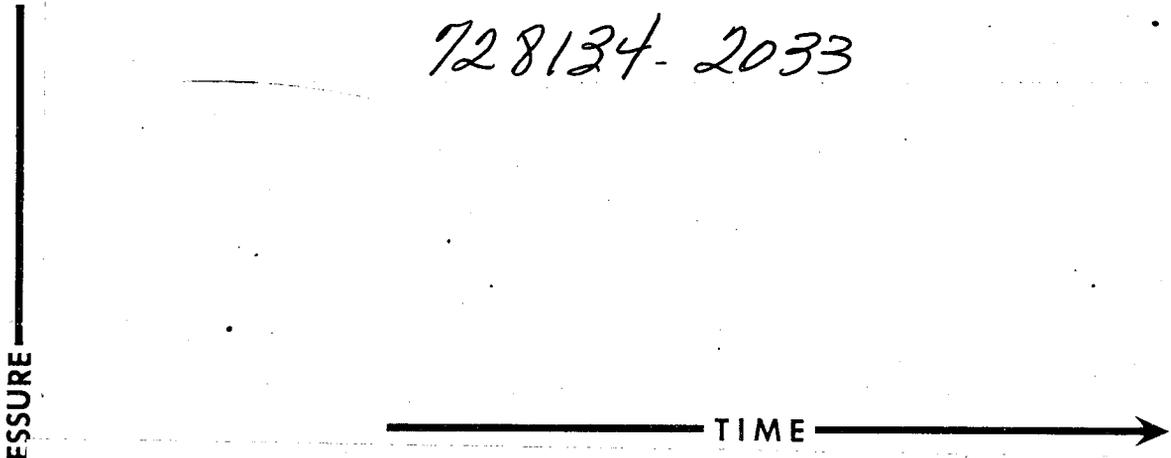
6039

727242-6039

Each Horizontal Line Equal to 1000 p.s.i.



728134-2033



728134-2032

Each Horizontal Line Equal to 1000 p.s.i.

7097

BLU

728263-2033

TIME

PRESSURE

2033

2032

728263-2032

Each Horizontal Line Equal to 1000 p.s.i.

PRESSURE

↓

↓

727243-2033

TIME

→

2033

727243-2032

Each Horizontal Line Equal to 1000 p.s.i.

2033

727244-2033

↑ PRESSURE ↓

← TIME →

727244-2032

2032
CORRECTION

Each Horizontal Line Equal to 1000 p.s.i.

F12032 / 14121

PRESSURE

TIME

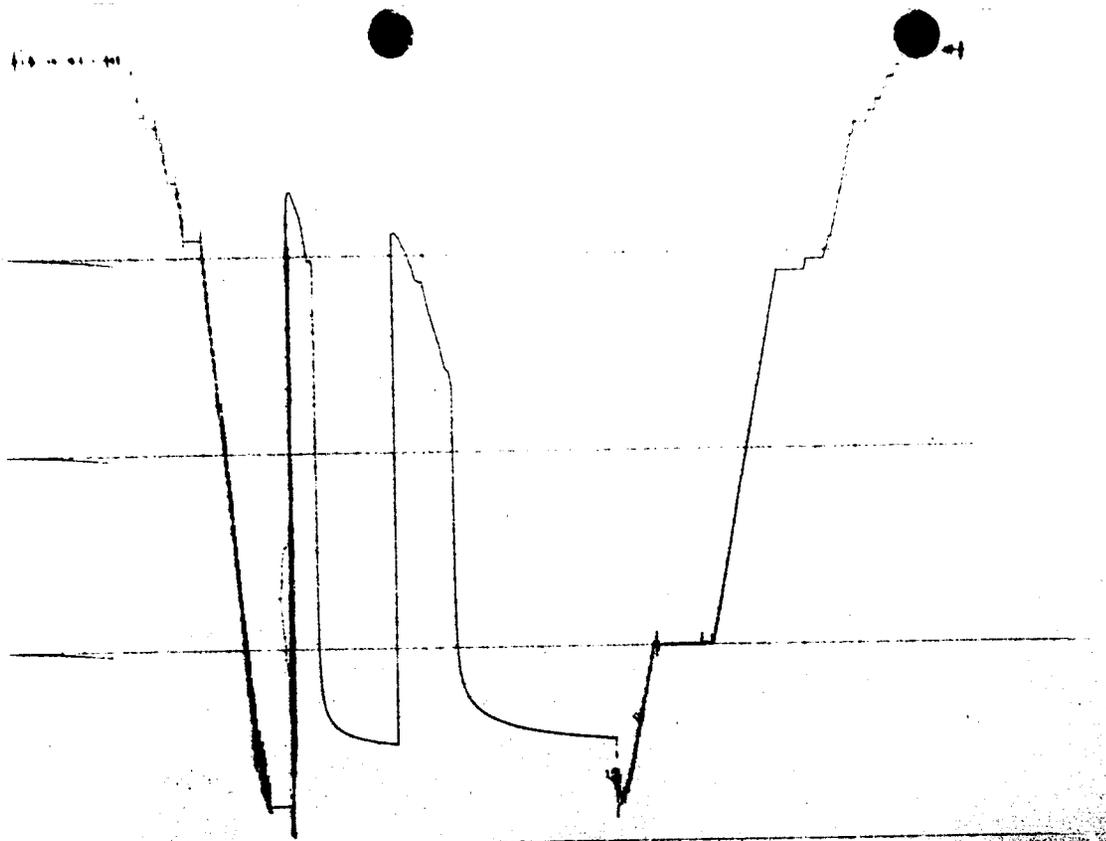
728285-2032[#]

2033/9956x

728285-2033[#]

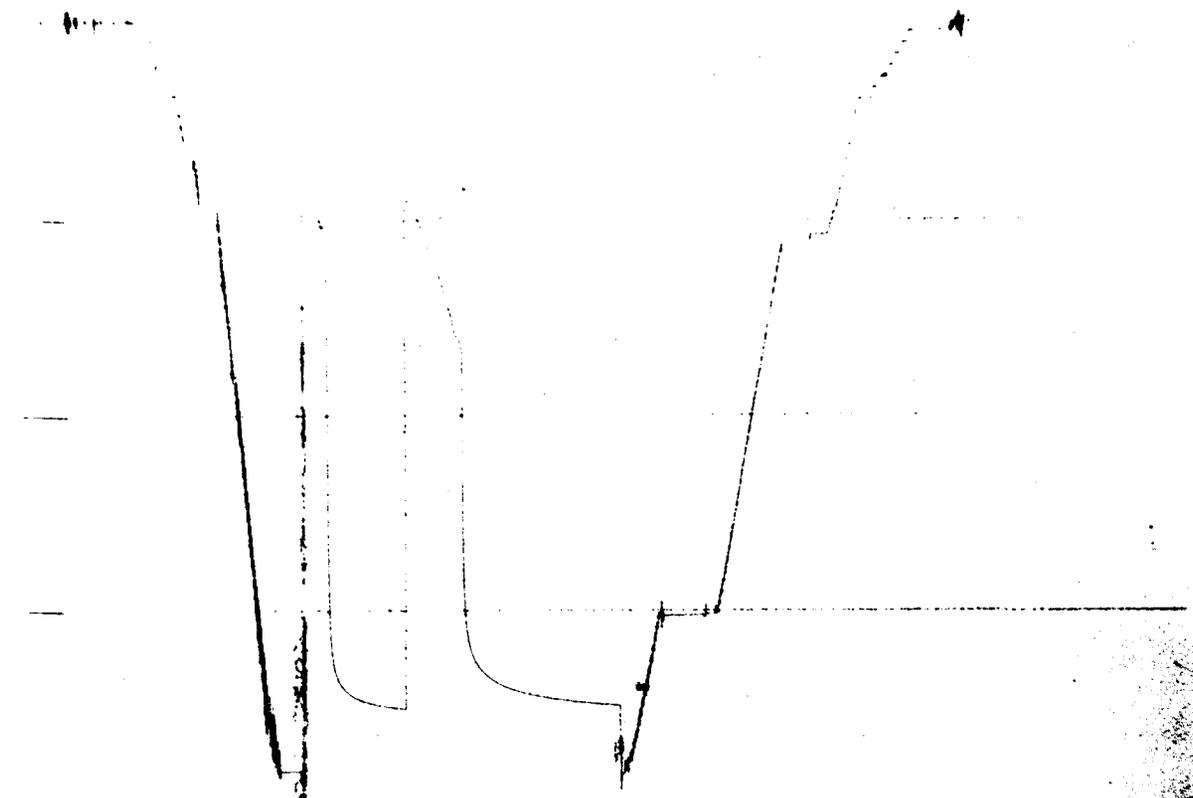
Each Horizontal Line Equal to 1000 p.s.i.

↑ PRESSURE ↓



727245-2033

TIME →



727245-2032

Each Horizontal Line Equal to 1000 p.s.i.

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 727241
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
2400						On location
945						Picked up tools
1140						Trip in hole with tools
1511						
1517						
1523						Strong blow to bottom of bucket
1533						
1538						
1542						Closed tool
1558						Gas to surface
1713						Opened tool
1722		1/8	38	22		Flowed through Orifice tester
1728		1/8	72	37		
1733		1/8	92	45		
1738		1/4	79	130		
1743		1/4	79	130		
1748		1/4	79	130		
1753		1/4	84	140		
1758		1/4	93	150		
1803		1/2	47	305		
1808		1/2	38	265		
1813		1/2	31	230		
1818		1/2	28	220		
1823		1/2	27	210		
1828		1/2	27	210		

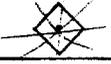
Gauge No. 6040			Depth 4974'			Clock No. -----			12 hour		Ticket No. 727241				
First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	146.8	.000	-----	272.2	.000	203.5	.000	---	451.4					
1	.0269	198.1	.0471*	.746	1051.2	1410**	365.2	.0739***	1.173	1625.6					
2	.0538	257.4	.0874	.539	1394.8	(.142	361.2C)	.1546	.884	1785.1					
3	.0806	218.3	.1278	.429	1581.0	.0275	411.0	.2352	.730	1851.3					
4	.1075	219.6	.1681	.358	1695.9	(.327	397.5C)	.3159	.629	1886.5					
5	.1344	234.4	.2085	.308	1763.5	.4099	373.3	.3966	.555	1906.7					
6	.1613	243.9	.2488	.270	1809.4	.5442	401.6	.4772	.499	1917.5					
7	.1882	261.4	.2892	.241	1844.6	.6786	425.8	.5579	.454	1925.6					
8	.2150	272.2	.3295	.218	1867.5	.8130	451.4	.6385	.417	1931.0					
9			.3699	.199	1887.8			.7192	.385	1935.1					
10			.4102	.183	1902.7			.7998	.359	1939.2					
11			.4506	.169	1913.5			.8805	.336	1941.9					
12			.4909	.158	1924.3			.9611	.316	1944.6					
13			.5313	.148	1931.0			1.0417	.298	1947.3					
14			.5716	.139	1936.5			1.1224	.282	1948.6					
15			.6120	.131	1941.9			1.1410	.279	1948.6***					

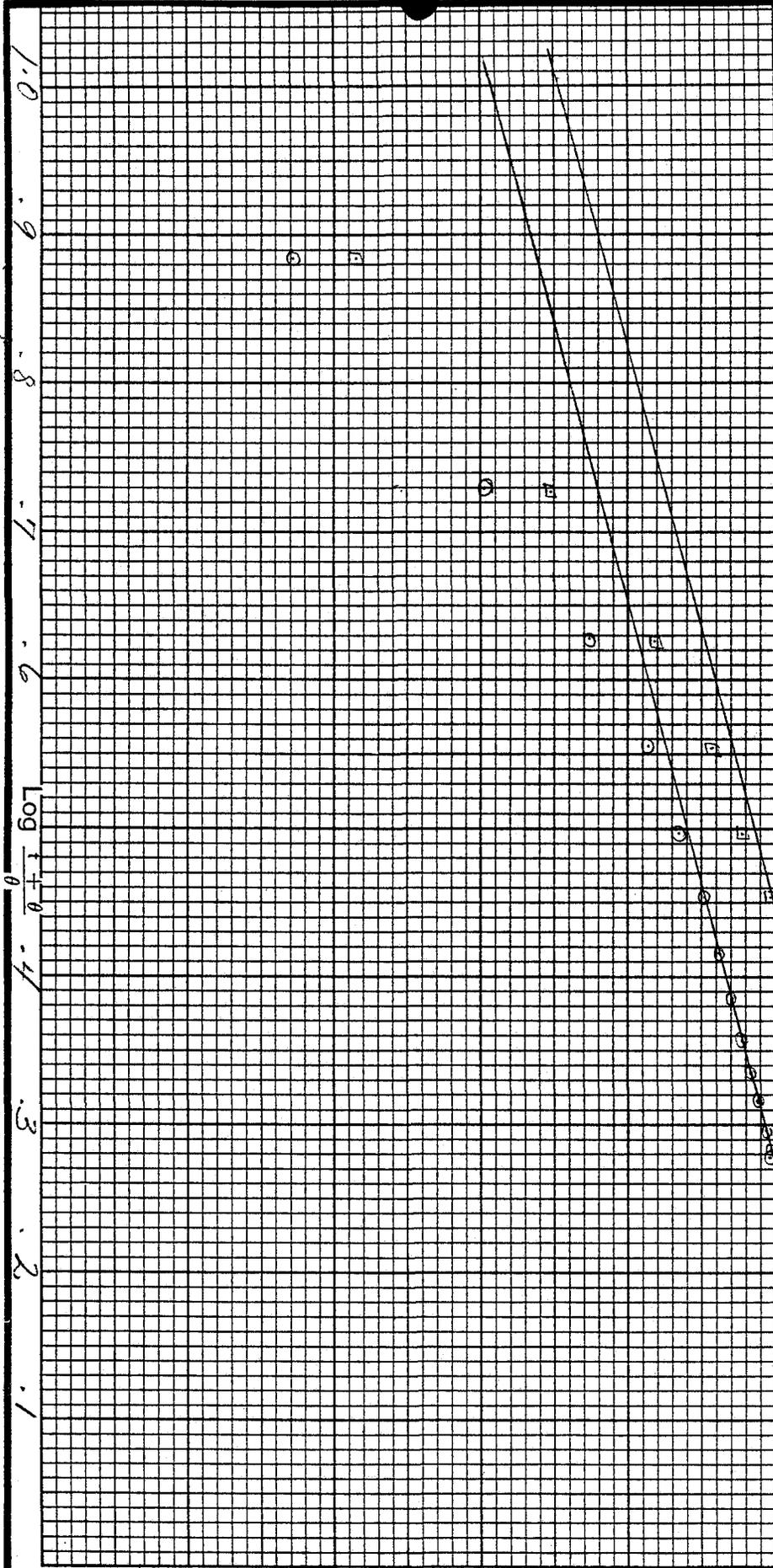
Gauge No. 6039			Depth 5070'			Clock No. -----			hour 24	
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	185.6	.000	-----	302.1	.000	234.4	.000	-----	478.3
1	.0133	239.8	.0235*	.741	1089.4	.0705**	397.0	.0369***	1.172	1651.7
2	.0265	298.1	.0437	.535	1433.6	(.078	392.9C)	.0772	.883	1807.5
3	.0398	258.8	.0639	.425	1616.5	.1376	440.3	.1175	.729	1873.9
4	.0530	252.0	.0841	.354	1724.9	(.166	429.5C)	.1578	.628	1909.2
5	.0663	271.0	.1042	.305	1789.9	.2047	406.5	.1981	.554	1928.1
6	.0795	276.4	.1244	.268	1838.7	.2718	433.6	.2384	.498	1939.0
7	.0928	289.9	.1446	.239	1868.5	.3389	455.2	.2787	.453	1948.5
8	.1060	302.1	.1648	.216	1892.9	.4060	478.3	.3190	.416	1953.9
9			.1849	.197	1911.9			.3593	.385	1957.9
10			.2051	.181	1925.4			.3995	.358	1962.0
11			.2253	.167	1936.3			.4398	.335	1964.7
12			.2455	.156	1947.1			.4801	.315	1967.4
13			.2656	.146	1955.2			.5204	.296	1970.1
14			.2858	.137	1960.6			.5607	.282	1971.5
15			.3060	.129	1966.1			.6010	.268	1972.8

Reading Interval 4 6 20 12 Minutes

REMARKS: *-7 minutes **-21 minutes ***-11 minutes C-Choke change ****-3 minutes-----Chart time expired after 170 minutes.

1
er

TICKET NO.	727241	
BT GAUGE NO.	INITIAL	FINAL
6040		
6039		
FINAL CIP'S ONLY		



1750 1800 1850 1900 Psig 1950 2000

EXTRAPOLATED PRESSURE GRAPH

(15)

Gas Production

B.T. Gauge Numbers			6040	6039	Ticket Number		727241
Initial Hydrostatic			2237.1	2285.3	Elevation		6601 ft.
Final Hydrostatic			CTE	2274.4	Production Rate		1st Flow - MCF
1st Flow	Initial	Time	146.8	185.6	2nd Flow		260 MCF
	Final	32	272.2	302.1	3rd Flow		- MCF
	Closed In Pressure	91	1941.9	1966.1	Hole Size		8.75 in.
2nd Flow	Initial	Time	203.5	234.4	Footage Tested Net 2 zones		22 ft.
	Final	121	451.4	478.3	Mud Weight		8.4 lbs./gal.
	Closed In Pressure	179	1948.6	1972.8	Gas Viscosity		0.018 cp
3rd Flow	Initial	Time			Gas Gravity Est.		0.60
	Final				Gas Compressibility		0.817
	Closed In Pressure				Temperature		117 °F
Extrapolated Static Pressure		1st					
		2nd	1986	2009			
		3rd					
Slope P/10		1st					
		2nd	1854	1877			
		3rd					

Remarks: The initial closed in pressure has insufficient closure for reliable extrapolation. Charts indicate that during the final build up, there may be zones open in the tested interval. Unable to determine how much each zone is contributing to the total production. Calculation based on reported rate, temperature and net pay of 22', total of 2 zones as reported by Greg Martin. CTE-Chart time expired

SUMMARY		B.T. Gauge No. 6040 Depth 4974'			B.T. Gauge No. 6039 Depth 5070'			UNITS
PRODUCT	EQUATION	FIRST	SECOND	THIRD	FIRST	SECOND	THIRD	
Transmissibility	$\frac{Kh}{\mu} = \frac{1637 Q_r ZT}{m}$		350.162			346.017		md. ft. cp
Theoretical Flow Capacity	$Kh = \frac{Kh}{\mu} \mu$		6.302			6.228		md. ft.
Average Effective Permeability	$K = \frac{Kh}{h}$		-			-		md.
Permeability	$K_1 = \frac{Kh}{h_1}$		0.286			0.283		md.
Indicated Flow Capacity	$(Kh)_s = \frac{3200 Q_r \mu ZT \text{Log}(0.472 b/r_w)}{P_s^2 - P_r^2}$		1.596			1.564		md. ft.
Damage Ratio	$DR = \frac{\text{Theo. Flow Cap}}{\text{Indicated Flow Cap}} \frac{Kh}{(Kh)_s}$		3.947			3.980		-
Indicated Flow Rate	$OF_1 = \frac{Q_r P_s^2}{P_s^2 - P_r^2} \text{ Max.}$		242.5			243.8		MCFD
	$OF_2 = \frac{Q_r P_s}{\sqrt{P_s^2 - P_r^2}} \text{ Min.}$		236.1			236.8		MCFD
Theoretical Potential Rate	$OF_3 = OF_1 DR \text{ Max.}$		957			970		MCFD
	$OF_4 = OF_2 DR \text{ Min.}$		932			942		MCFD
Approx. Radius of Investigation	$b \approx \sqrt{Kt} \text{ or } \sqrt{Kt_0}$		-			-		ft.
	$b_1 \approx \sqrt{K_1 t} \text{ or } \sqrt{K_1 t_0}$		7.0			6.9		ft.
Potentiometric Surface *	$\text{Pot.} = (EI - GD) + (2.319 Ps)$		6232			6190		ft.

NOTICE. These calculations are based upon information furnished by you and taken from Drill Stem Test pressure charts, and are furnished you for your information. In furnishing such calculations and evaluations based thereon, Halliburton is merely expressing its opinion. You agree that Halliburton makes no warranty express or implied as to the accuracy of such calculations or opinions, and that Halliburton shall not be liable for any loss or damage, whether due to negligence or otherwise, in connection with such calculations and opinions.



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4446'	
Drill Collars	6"	2 1/4"	527.78'	
Handling Sub & Choke Assembly	6"	3"	1' Change over	
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	7'	4965'
Hydro-Spring Tester	5"	.75"	5'	4972'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	4974'
Hydraulic Jar	5"	1.75 "	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 7/8"	1.55"	6'	4989'
Distributor				
Packer Assembly	7 7/8"	1.52"	6'	4995'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint	6"	3"	2' Change over	
Side Wall Anchor				
Drill Collars	7"	2 1/4"	31'	
Flush Joint Anchor	5 1/4"	3.5"	40'	
Blanked-Off B.T. Running Case	5 1/4"	2.44 "	4'	5070'
Total Depth				5074'

FLUID SAMPLE DATA		Date	7-8-80	Ticket Number	727242
Sampler Pressure	100 P.S.I.G. at Surface	Kind of D.S.T.	OPEN HOLE	Halliburton Location	FARMINGTON
Recovery: Cu. Ft. Gas		Tester	MR. FREIDLINE	Witness	MR. DLIGER
cc. Oil		Drilling Contractor	ALL WESTERN DRILLING COMPANY #2 bj		
cc. Water	1300 ML	EQUIPMENT & HOLE DATA			
cc. Mud		Formation Tested	Honaker Trail		
Tot. Liquid cc.		Elevation	6601' KB	Ft.	
Gravity	° API @ °F.	Net Productive Interval	55'	Ft.	
Gas/Oil Ratio	cu. ft./bbl.	All Depths Measured From	Kelly Bushing		
RESISTIVITY		Total Depth	5074'	Ft.	
CHLORIDE CONTENT		Main Hole/Casing Size	8 3/4"		
Recovery Water	.03 @ 67 °F. ppm	Drill Collar Length	528'	I.D.	2.25"
Recovery Mud	.14 @ 75 °F. 33000 ppm	Drill Pipe Length	4477'	I.D.	3.826"
Recovery Mud Filtrate	@ °F. ppm	Packer Depth(s)	5013'	5019' Ft.	
Mud Pit Sample	.258 @ 76 °F. 17000 ppm	Depth Tester Valve	4995' Ft.		
Mud Pit Sample Filtrate	@ °F. ppm				
Mud Weight	8.4 vis 42 sec.				

TYPE	AMOUNT	Depth Back Ft.	Surface Choke	Bottom Choke
Cushion			3/4" Adj.	3/4"

Recovered	180	Feet of gas cut mud	Med. From Tester Valve
Recovered	180	Feet of water cut mud, gas cut	
Recovered	463	Feet of water	
Recovered		Feet of	
Recovered		Feet of	

Remarks SEE PRODUCTION TEST DATA SHEET....CHARTS INDICATE PARTIAL PLUGGING OF ANCHOR PERFORATIONS DURING BOTH FLOW PERIODS....

TEMPERATURE	Gauge No. 6040	Gauge No. 6039	Gauge No.	TIME (00:00-24:00 hrs.)			
	Depth: 4997' Ft.	Depth: 5070' Ft.	Depth:				
Est. 117 °F.	24 Hour Clock	24 Hour Clock	Hour Clock	Tool Opened 1525			
	Blanked Off NO	Blanked Off YES	Blanked Off	Opened Bypass 1027			
Actual °F.	Pressures		Pressures	Reported	Computed		
	Field	Office	Field	Minutes	Minutes		
First Period	Initial Hydrostatic	2267	2253.8	2289.5	2290.7		
	Flow Initial	135	130.7	81.4	158.5		
	Flow Final	242.6	234.4	731.1	709.4		
	Closed in	1739.2	1731.0	1746.7	1753.3	30	29
Second Period	Flow Initial	134.8	138.8	189.8	483.7	92	95
	Flow Final	404.4	411.0	650	641.8		
	Closed in	1752.8	1772.9	1800.9	1802.1	120	118
Third Period	Flow Initial					180	180
	Flow Final						
	Closed in						
Final Hydrostatic	2239.9	2247.9-Q	2275.9	2266.3			
	Q = Questionable						

Legal Location Sec. - Twp. - Rng. 16 36S 26E
 Well No. 4
 Test No. 2
 Tested Interval 5019' to 5074'
 Field Area WILDCAT
 County SAN JUAN
 State UTAH
 Lease Name BUEG
 Lease Owner/Company Name MEXPRO COMPANY

727242

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. _____
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1100						Picked up tools.
1230						Tripped in hole with tools.
1525						Opened tool with a light blow.
1530						Bubble hose 6" into bucket.
1535						Bubble hose 8" into bucket.
1540						Bubble hose at bottom with a light blow.
1555						Medium blow at bottom of bucket.
						Closed tool.
1727						Opened tool with a strong blow in bucket.
1732			3.5			
1737			7.5			
1742			8			
1747			8			
1752			7.5			
1757			7.25			
1802			7			
1807			6.50			
1812			6			
1817			5.75			
1822			5.50			
1827			5.50			
1832			5.50			
1837			5.25			
1842			5.25			
1847			5.25			



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6.00"	3.00'	1.00'	
Water Cushion Valve				
Drill Pipe	4.50"	3.826"	4477'	
Drill Collars	6.00"-7.00"	2.25"	528'	
Handling Sub & Choke Assembly	6.00"	3.00"	1.00' X OVER	
Dual CIP Valve			3.00'	
Dual CIP Sampler	5.00"	.75"	?	4988'
Hydro-Spring Tester	5.00"	.75"	5.00'	4995'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5.00"	2.25"	4.00'	4997'
Hydraulic Jar	5.00"	1.75"	5.00'	
VR Safety Joint	5.00"	1.00"	3.00'	
Pressure Equalizing Crossover				
Packer Assembly				
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly	7 7/8"	1.53"	6.00'	5013'
Distributor				
Packer Assembly	7 7/8"	1.53"	6.00'	5019'
Anchor Pipe Safety Joint				
Side Wall Anchor	6.00"	3.00"	2.00' X OVER	
Drill Collars	7.00"	2.25"	31'	
Flush Joint Anchor	5.75"	3.50"	17'	
Blanked-Off B.T. Running Case	5.75"	2.44"	4.00'	5070'
Total Depth				5074'

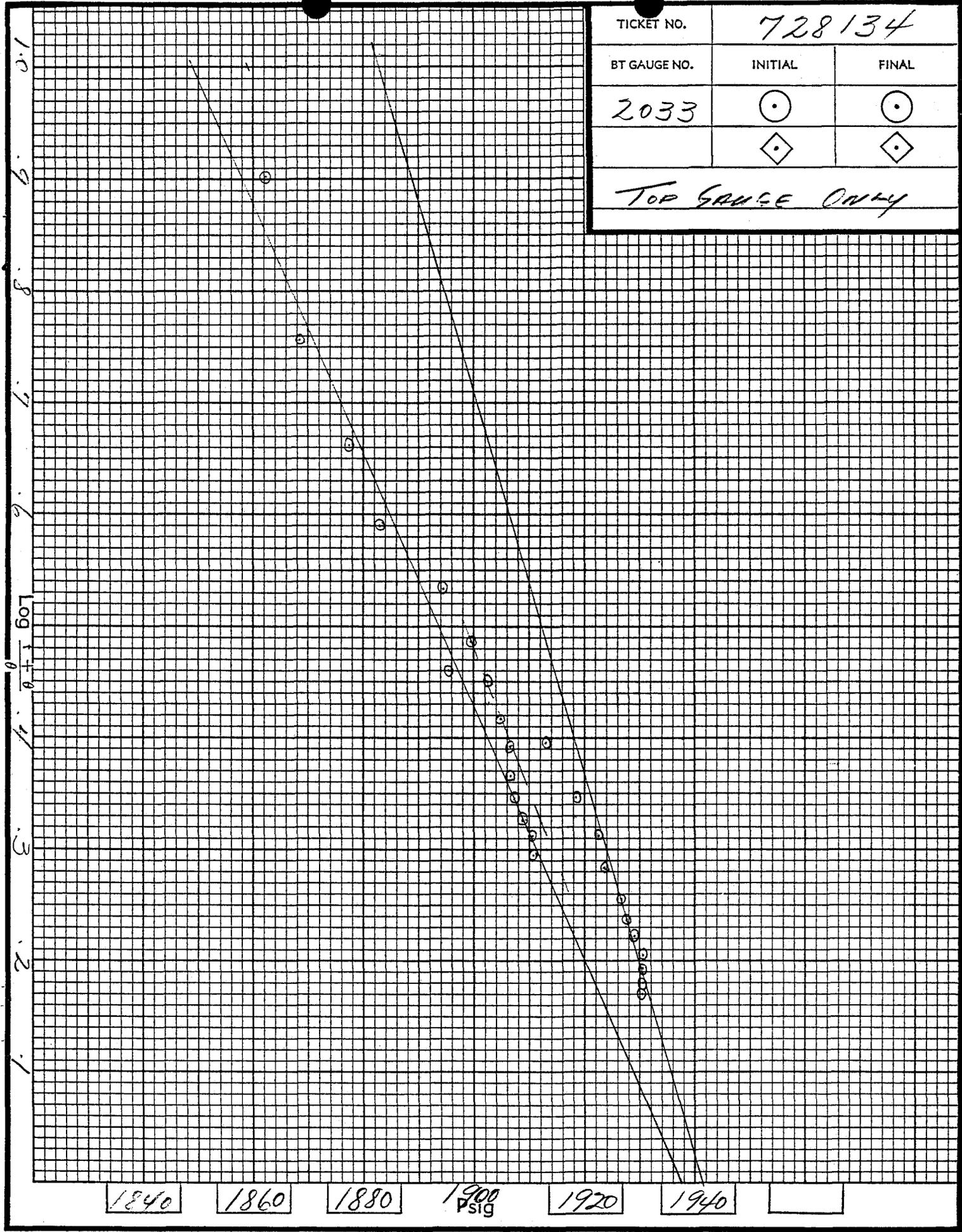
FLUID SAMPLE DATA				Date 7-9-80		Ticket Number 728134				
Sampler Pressure <u>PLUGGED</u> P.S.I.G. at Surface Recovery: Cu. Ft. Gas _____ cc. Oil _____ cc. Water _____ cc. Mud _____ Tot. Liquid cc. _____ Gravity _____ ° API @ _____ °F. Gas/Oil Ratio _____ cu. ft./bbl. RESISTIVITY _____ CHLORIDE CONTENT _____ Recovery Water _____ @ _____ °F. _____ ppm Recovery Mud _____ @ 66 °F. 15,000 ppm Recovery Mud Filtrate .25 @ 73 °F. 16,000 ppm Mud Pit Sample _____ @ _____ °F. _____ ppm Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm Mud Weight _____ 8.6 vis _____ 40 cc.				Kind of D.S.T. <u>OPEN HOLE</u> Tester <u>MR. WRIGHT</u> <u>MR. FREIDLINE</u>		Halliburton Location <u>FARMINGTON</u> Witness <u>???</u>				
Drilling Contractor <u>ALL WESTERN</u> IC				EQUIPMENT & HOLE DATA						
Formation Tested <u>Honaker? Trail</u> Elevation <u>6601'</u> KB Ft. Net Productive Interval _____ Ft. All Depths Measured From <u>Kelly Bushing</u> Total Depth <u>5142'</u> Ft. Main Hole/Casing Size <u>8 3/4"</u> Drill Collar Length <u>557'</u> I.D. <u>2.25"</u> Drill Pipe Length <u>4544'</u> I.D. <u>3.826"</u> Packer Depth(s) <u>5094' - 5100'</u> Ft. Depth Tester Valve <u>5081'</u> Ft.				Field Area <u>WILDCAT</u> Meas. From Tester Valve County <u>SAN JUAN</u> State <u>UTAH</u>		Legal Location Sec. - Twp. - Rng. <u>16 - 36S - 26E</u> Lease Name <u>BUG</u> Well No. <u>4</u> Test No. <u>3</u> Tested Interval <u>5100' - 5142'</u> Lease Owner/Company Name <u>MEXPRO COMPANY</u>				
TYPE AMOUNT Cushion _____ Ft.		Depth Back Pres. Valve _____ Ft.					Surface Choke <u>.75"</u>		Bottom Choke <u>.75"</u>	
Recovered _____ Feet of		NONE REPORTED								
Recovered _____ Feet of										
Recovered _____ Feet of										
Recovered _____ Feet of										
Remarks <u>SEE PRODUCTION TEST DATA SHEET.</u>										
TEMPERATURE		Gauge No. 2033 Depth: 5083' Ft.		Gauge No. 2032 Depth: 5138' Ft.		Gauge No. _____ Depth: _____ Ft.		TIME (00:00-24:00 hrs.)		
Est. _____ °F.		24 Hour Clock Blanked Off <u>NO</u>		24 Hour Clock Blanked Off <u>YES</u>		Hour Clock Blanked Off _____		Tool Opened <u>21:13</u>		
Actual <u>112</u> °F.		Pressures		Pressures		Pressures		Opened Bypass <u>02:10</u>		
		Field Office		Field Office		Field Office		Reported Computed		
Initial Hydrostatic		2324 2326.6						Minutes Minutes		
First Period		Flow Initial 27 46.7		NO READINGS... CLOCK STOPPED.						
		Flow Final 107 89.5				30 28				
		Closed in 1935 1930.4				57 59				
Second Period		Flow Initial 54 61.4								
		Flow Final 54 58.8				90 90				
		Closed in 1921 1910.4				120 121				
Third Period		Flow Initial _____								
		Flow Final _____								
		Closed in _____								
Final Hydrostatic		2324 2322.5								

Gauge No. 2033			Depth 5083'			Clock No. 9756			24 hour		Ticket No. 728134				
First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	46.7	.000	-----	89.5	.000	61.4	.000	-----	58.8					
1	.0136	45.4	.0101	1.017	728.6*	.0505	62.8	.0303	1.150	1767.3**					
2	.0271	46.7	.0235	.703	1426.4	.1010	54.8	.0572	.901	1862.2					
3	.0407	50.8	.0369	.553	1804.8	.1515	54.8	.0841	.758	1878.3					
4	.0543	60.1	.0504	.460	1895.7	.2020	57.4	.1110	.661	1887.7					
5	.0679	72.1	.0638	.396	1913.1	.2525	58.8	.1379	.590	1893.0					
6	.0814	80.2	.0772	.348	1918.4	.3030	58.8	.1649	.533	1894.3					
7	.0950	89.5	.0906	.311	1922.4			.1918	.488	1899.7					
8			.1040	.282	1923.7			.2187	.450	1902.4					
9			.1175	.257	1926.4			.2456	.418	1905.0					
10			.1309	.237	1927.8			.2725	.391	1906.4					
11			.1443	.220	1929.1			.2994	.367	1906.4					
12			.1577	.205	1930.4			.3263	.346	1907.7					
13			.1711	.192	1930.4			.3532	.327	1909.0					
14			.1846	.180	1930.4			.3801	.311	1910.4					
15			.1980	.170	1930.4			.4070	.296	1910.4					

Gauge No. 2032			Depth 5138'			Clock No. ???			24 hour						
0															
1			NO READINGS...CLOCK STOPPED												
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															
13															
14															
15															
Reading Interval	4		4			15			8						Minutes
REMARKS:	*First interval equal to 3 minutes **-9 minutes														

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TICKET NO.	728134	
BT GAUGE NO.	INITIAL	FINAL
2033	⊙	⊙
	◇	◇
<i>TOP GAUGE ONLY</i>		



EXTRAPOLATED PRESSURE GRAPH

Gas Production

B.T. Gauge Numbers			2033	2032	Ticket Number		728134	
Initial Hydrostatic			2326.6		Elevation		6601	ft.
Final Hydrostatic			2322.5		Production Rate		1st Flow	- MCF
1st Flow	Initial	Time	46.7		Hole Size	8.75 in.		
	Final	28	89.5	C		2nd Flow	177 MCF	
	Closed In Pressure	59	1930.4	L		3rd Flow	- MCF	
2nd Flow	Initial	Time	61.4	O	Footage Tested		NET	11 ft.
	Final	90	58.8	C	Mud Weight		8.6	lbs./gal.
	Closed In Pressure	121	1910.4	K	Gas Viscosity		0.018	cp
3rd Flow	Initial	Time			Gas Gravity		Est.	0.60
	Final			S	Gas Compressibility		0.816	-
	Closed In Pressure			T	Temperature		112	°F
Extrapolated Static Pressure		1st	1941	O				
		2nd	1938	P				
		3rd		P				
Slope P/10		1st		E				
		2nd	1849	D				
		3rd						

Remarks: Calculation based on reported and total net pay of both reported zones. There appear to be 2 zones in the tested interval and unable to ascertain how much each zone is contributing to total production. If net pay is less than total of 2 zones, then the permeability valve and radius of investigation will increase and the damage ratio valve will decrease.

SUMMARY		B.T. Gauge No. 2033 Depth 5083'			B.T. Gauge No. Depth			
PRODUCT	EQUATION	FIRST	SECOND	THIRD	FIRST	SECOND	THIRD	UNITS
Transmissibility	$\frac{Kh}{\mu} = \frac{1637 Q_r ZT}{m}$		401.257					md. ft. cp
Theoretical Flow Capacity	$Kh = \frac{Kh}{\mu} \mu$		7.222					md. ft.
Average Effective Permeability	$K = \frac{Kh}{h}$ $K_1 = \frac{Kh}{h_1}$		0.656					md.
Indicated Flow Capacity	$(Kh)_s = \frac{3200 Q_r \mu ZT \text{Log}(0.472 b/r_w)}{P_s^2 - P_r^2}$		1.362					md. ft.
Damage Ratio	$DR = \frac{\text{Theo. Flow Cap}}{\text{Indicated Flow Cap}} \frac{Kh}{(Kh)_s}$		5.301		CLOCK STOPPED			-
Indicated Flow Rate	$OF_1 = \frac{Q_r P_s^2}{P_s^2 - P_r^2}$ Max.		177.1					MCFD
	$OF_2 = \frac{Q_r P_s}{\sqrt{P_s^2 - P_r^2}}$ Min.		177.0					MCFD
Theoretical Potential Rate	$OF_3 = OF_1 DR$ Max.		939					MCFD
	$OF_4 = OF_2 DR$ Min.		938					MCFD
Approx. Radius of Investigation	$b \approx \sqrt{Kt}$ or $\sqrt{Kt_0}$							ft.
	$b_1 \approx \sqrt{K_1 t}$ or $\sqrt{K_1 t_0}$		9.1					ft.
Potentiometric Surface *	$\text{Pot.} = (EI - GD) + (2.319 Ps)$		5989					ft.

NOTICE: These calculations are based upon information furnished by you and taken from Drill Stem Test pressure charts, and are furnished you for your information. In furnishing such calculations and evaluations based thereon, Halliburton is merely expressing its opinion. You agree that Halliburton makes no warranty express or implied as to the accuracy of such calculations or opinions, and that Halliburton shall not be liable for any loss or damage, whether due to negligence or otherwise, in connection with such calculations and opinions.



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	4544'	
Drill Collars	6"-7"	2.25"	557'	
Handling Sub & Choke Assembly	6"	3"	1' X OVER	
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	7'	5074'
Hydro-Spring Tester	5"	.75s	5'	5081'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3"	4'	5083'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	6.5"	1.53"	6'	5094'
Distributor				
Packer Assembly	6.5"	1.53"	6'	5100'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5.75"	3.5"	32'	
Blanked-Off B.T. Running Case	5.75"	2.5"	4'	5138'
Total Depth				5142'

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Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 728263
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F
INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

Date Time	7-10-80 a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
2122						On location.
2200						Picked up tool.
2303						Tool on trip in.
7-11-80 0140		Bubble Hose	3 Oz.			Opened tool with a weak blow.
0145		"	14 "			
0150		"	18 "			
0155		"	23 "			
0200		"	2#			
0205		"	2#			
0210		"	2#			Closed tool.
0345		"	3 Oz.			Reopened tool with a weak blow.
0355		"	11 "			
0405		"	19 "			
0415		"	2#			
0425		"	2.5 #			
0435		"	2.75 #			
0445		"	3.00 #			
0455		"	3.25 #			
0505		"	3.50 #			
0515		"	3.75 #			
0525		"	4.00 #			
0535		"	4.25 #			
0549		"	4.50 #			
0555		"	5.00 #			
0605		"	5.25 #			
0615		"	5.50 #			

Gauge No. 2033			Depth 5154'				Clock No. 14128			24 hour		Ticket No. 728263		
First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure		
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0 .0000	73.5	.0000		251.3	.0000	291.4	.0000		595.7					
1 .0141*	80.2	.0207**		1399.9	.0788***	343.5	.0515****		1651.0					
2 .0316	128.3	.0449		1736.6	.1644	409.0	.0995		1800.8					
3 .0492	169.7	.0691		1847.5	.2501	462.5	.1475		1863.6					
4 .0668	209.8	.0932		1903.7	.3357	510.6	.1956		1895.7					
5 .0844	232.6	.1174		1935.8	.4214	554.5	.2436		1917.1					
6 .1020	251.3	.1416		1958.5	.5070	595.7	.2916		1931.8					
7		.1657		1974.5			.3396		1945.1					
8		.1899		1985.2			.3877		1954.5					
9		.2141		1994.6			.4357		1962.5					
10		.2382		2001.3			.4837		1967.9					
11		.2624		2006.7			.5318		1973.2					
12		.2866		2012.0			.5798		1978.6					
13		.3108		2016.1			.6278		1983.9					
14		.3350		2018.8			.6759		1986.6					
15							.7240		1990.6					

Gauge No. 2032			Depth 5219'				Clock No. 13840			24 hour				
Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
0 .0000	108.4	.0000		284.4	.0000	337.3	.0000		631.5					
1 .0135*	119.0	.0200**		1412.7	.0768***	378.3	.0500****		1699.7					
2 .0304	164.0	.0433		1761.9	.1602	444.4	.0966		1837.3					
3 .0473	205.0	.0666		1875.6	.2437	496.0	.1433		1895.5					
4 .0642	247.3	.0899		1936.5	.3271	543.4	.1899		1931.2					
5 .0811	268.5	.1132		1969.5	.4105	588.1	.2365		1952.3					
6 .0980	284.4	.1365		1992.0	.4940	631.5	.2832		1968.2					
7		.1598		2006.6			.3298		1980.1					
8		.1831		2018.6			.3765		1988.1					
9		.2064		2027.9			.4231		1996.0					
10		.2297		2034.6			.4697		2002.6					
11		.2530		2039.9			.5164		2009.3					
12		.2763		2043.9			.5630		2014.6					
13		.2996		2047.9			.6097		2018.6					
14		.3230		2053.3			.6563		2022.6					
15							.7030		2025.3					

Reading Interval 5 7 25 14 Minutes

REMARKS: * INTERVAL = 4 MINUTES ** INTERVAL = 6 MINUTES *** INTERVAL = 23 MINUTES **** INTERVAL = 15 MINUTES



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6.00"	3.00"	1.00'	5043'
Water Cushion Valve				
Drill Pipe	4.50"	3.826"	4578'	
Drill Collars	7"-6"	?- 2.25"	558'	
Handling Sub & Choke Assembly X OVER	6.00"	3.00"	1.00'	5136'
Dual CIP Valve				
Dual CIP Sampler	5.00"	.75"	7.00'	5142'
Hydro-Spring Tester	5.00"	.75"	5.00'	5149'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5.00"	2.25"	4.00'	5151'
Hydraulic Jar	5.03"	1.75"	5.00'	
VR Safety Joint	5.00"	1.00"	3.00'	
Pressure Equalizing Crossover				
Packer Assembly	7.75"	1.53"	6.00'	5166'
Distributor				
Packer Assembly	7.75"	1.53"	6.00'	5172'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5.75"	3.50"	45'	
Blanked-Off B.T. Running Case	5.75"	2.44"	4.00'	5219'
Total Depth				5223'

FLUID SAMPLE DATA				Date	Ticket Number		
Sampler Pressure <u>1400</u> P.S.I.G. at Surface		Date <u>7-14-80</u>		Ticket Number <u>727243</u>			
Recovery: Cu. Ft. Gas <u>13.7</u>		Kind of D.S.T. <u>OPEN HOLE</u>		Halliburton Location <u>FARMINGTON</u>			
cc. Oil _____		Tester <u>FREIDLINE</u>		Witness <u>SLIGER</u>			
cc. Water _____		Drilling Contractor <u>ALL WESTERN # 2</u>		DR			
cc. Mud <u>1300 ML</u>		EQUIPMENT & HOLE DATA					
Tot. Liquid cc. _____		Formation Tested <u>Paradox</u>					
Gravity _____ ° API @ _____ °F.		Elevation <u>6602' KB</u>		Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.		Net Productive Interval <u>76'</u>		Ft.			
RESISTIVITY _____ CHLORIDE CONTENT _____		All Depths Measured From <u>Kelly Bushing</u>					
Recovery Water _____ @ _____ °F. _____ ppm		Total Depth <u>5763'</u>		Ft.			
Recovery Mud <u>2.2</u> @ <u>67</u> °F. _____ ppm		Main Hole/Casing Size <u>8 3/4"</u>					
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm		Drill Collar Length <u>528'</u> I.D. <u>2 1/4"</u>					
Mud Pit Sample _____ @ _____ °F. _____ ppm		Drill Pipe Length <u>5106'</u> I.D. <u>3.826"</u>					
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm		Packer Depth(s) <u>5681-5687'</u>		Ft.			
Mud Weight <u>9.3</u> vis <u>45</u> sec.		Depth Tester Valve <u>5661'</u>		Ft.			
TYPE AMOUNT		Depth Back Surface		Bottom			
Cushion _____ Ft. Pres. Valve _____		Choke <u>3/4" Adj.</u>		Choke <u>3/4"</u>			
Recovered <u>280</u> Feet of gas cut mud							
Recovered _____ Feet of							
Recovered _____ Feet of							
Recovered _____ Feet of							
Recovered _____ Feet of							
Remarks <u>See production test data sheet</u>							
<u>Q-Questionable</u>							
<u>Unable to extrapolate final build up due to insufficient curve development. Zone</u>							
<u>in tight or low permeability and does not indicate any well bore damage.</u>							
TEMPERATURE		Gauge No. <u>2033</u>		Gauge No. <u>2032</u>		Gauge No. _____	
Depth: <u>5663</u> Ft.		Depth: <u>5759</u> Ft.		Depth: _____ Ft.		TIME (00:00-24:00 hrs.)	
Est. _____ °F.		Blanked Off <u>NO</u>		Blanked Off <u>YES</u>		Blanked Off _____	
Actual <u>125F.</u>		Pressures		Pressures		Pressures	
		Field Office		Field Office		Field Office	
Initial Hydrostatic <u>2741</u>		<u>2768.8</u>		<u>2794</u>		<u>2793.8</u>	
Flow Initial <u>107</u>		<u>131.0 Q</u>		<u>159</u>		<u>161.3</u>	
Flow Final <u>134</u>		<u>143.0</u>		<u>212</u>		<u>194.4</u>	
Closed in <u>508</u>		<u>486.6</u>		<u>529</u>		<u>528.9</u>	
Flow Initial <u>107</u>		<u>101.6</u>		<u>132</u>		<u>126.9</u>	
Flow Final <u>134</u>		<u>128.3</u>		<u>172</u>		<u>162.7</u>	
Closed in <u>1600</u>		<u>1591.9</u>		<u>1638</u>		<u>1624.3</u>	
Flow Initial _____		_____		_____		_____	
Flow Final _____		_____		_____		_____	
Closed in _____		_____		_____		_____	
Final Hydrostatic <u>2754</u>		<u>2750.0</u>		<u>2794</u>		<u>2789.8</u>	

Legal Location Sec. - Twp. - Rng. **16-36S-26E**
 Lease Name **BUG**
 Well No. **4**
 Test No. **5**
 Field Area **MILDCAT**
 Tested Interval **5687-5763'**
 County **SAN JUAN**
 State **UTAH**
 Lease Owner/Company Name **MEXPRO COMPANY**

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 727243
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1200						On location
1230						Picked up tools
1430						Trip in hole with tools
1712						Opened tool with a light blow
1717			7 oz.			
1727			10			
1742			10			Closed tool
1842						Opened tool with a strong blow in bucket.
1857			5			
1907			5.5			
1922			6.5			
1932			7.5			
1942			8.5			
1952			9.5			
2002			10.5			
2012			11.5			
2022			12.5			
2032			14			
2042			15			
2052			16			
2102			17			Gas to surface
2112			18			
2126		3/8	18			Flowed through Orifice tester
2131			10			
2141			3 1/2			

Gauge No. 2033			Depth 5663'			Clock No. -----			12 hour		Ticket No. 727243				
First Flow Period		First Closed In Pressure			Second Flow Period		Second Closed In Pressure			Third Flow Period		Third Closed In Pressure			
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	131.0	.000		143.0	.000	101.6	.000	-----	128.3					
1	.0332	109.6	.405		486.6	.2475*	163.1	.0811	1.276	319.5					
2	.0663	118.9				.4482	164.4	.1623	.997	498.6					
3	.0995	124.3				.6489	164.4	.2434	.842	667.5					
4	.1326	131.0				.8496	159.0	.3245	.738	828.4					
5	.1658	136.3				1.0502	156.4	.4057	.660	980.0					
6	.1990	143.0				1.2510	128.3	.4868	.600	1113.3					
7								.5679	.551	1230.6					
8								.6490	.510	1327.9					
9								.7302	.475	1402.6					
10								.8113	.445	1447.9					
11								.8924	.419	1499.9					
12								.9736	.396	1537.3					
13								1.0547	.376	1562.6					
14								1.1358	.357	1579.9					
15								1.2170	.341	1591.9					

Gauge No. 2032			Depth 5759'			Clock No. -----			hour 24						
	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
0	.000	161.3	.000		194.4	.000	126.9	.000	-----	162.7					
1	.0165	162.7	.197		528.9	.1229*	205.0	.040	1.279	354.5					
2	.0330	170.6				.2225	201.0	.080	1.000	531.5					
3	.0495	177.2				.3221	201.0	.120	.845	705.2					
4	.0660	182.5				.4218	195.7	.160	.740	865.7					
5	.0825	187.8				.5214	191.8	.200	.663	1007.9					
6	.0990	194.4				.6210	162.7	.240	.602	1142.8					
7								.280	.553	1256.6					
8								.320	.512	1354.5					
9								.360	.477	1431.2					
10								.400	.447	1492.0					
11								.440	.421	1539.6					
12								.480	.398	1568.7					
13								.520	.377	1593.9					
14								.560	.359	1611.1					
15								.600	.342	1624.3					

Reading Interval 5 30 12 Minutes

REMARKS: *-37 minutes Q=Questionable All readings on B.T. 2033 may be questionable

SPECIAL PRESSURE DATA

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	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	5106'	
Drill Collars	7"	2 1/4"	528'	
Handling Sub & Choke Assembly	6"	3"	1' Change over	
Dual CIP Valve	5"	.75"	7'	5654'
Dual CIP Sampler	5"	.75"	5'	5661'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	5663'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 7/8"	1.53"	6'	5681'
Distributor				
Packer Assembly	7 7/8"	1.53"	6'	5687'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor	6"	3"	2' X over	
Drill Collars	7"	2 1/4"	31'	
Flush Joint Anchor	5 3/4"	3.5"	40'	
Blanked-Off B.T. Running Case	5 3/4"	2.44"	4'	5759'
Total Depth				5763'

FLUID SAMPLE DATA			Date	7-16-80	Ticket Number	727244
Sampler Pressure	200	P.S.I.G. at Surface	Kind of D.S.T.	OPEN HOLE	Halliburton Location	FARMINGTON
Recovery: Cu. Ft. Gas	1.875		Tester	LARRY GIBSON	Witness	MIKE SLIGER
cc. Oil			Drilling Contractor	ALLWESTERN DRILLING COMPANY SM		
cc. Water			EQUIPMENT & HOLE DATA			
cc. Mud	1850		Formation Tested	Paradox		
Tot. Liquid cc.			Elevation	6610'	Ft.	
Gravity		° API @	Net Productive Interval	70'	Ft.	
Gas/Oil Ratio		cu. ft./bbl.	All Depths Measured From	Kelly bushing		
			Total Depth	5845'	Ft.	
			Main Hole/Casing Size	8 3/4"		
			Drill Collar Length	520'	I.D.	2 1/4"
			Drill Pipe Length	5225'	I.D.	3.826"
			Packer Depth(s)	5764-5770 Ft.		
			Depth Tester Valve	5752' Ft.		

TYPE	AMOUNT	Depth Back Ft.	Surface Choke	Bottom Choke
Cushion			3/4" Adj	3/4"
Recovered	279 Feet of mud			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			
Recovered	Feet of			

Remarks SEE PRODUCTION TEST DATA SHEET

TEMPERATURE	Gauge No. 2033		Gauge No. 2032		Gauge No.		TIME (00:00-24:00 hrs.)
	Depth:	5756 Ft.	Depth:	5840 Ft.	Depth:	Ft.	
Est. °F.	12 Hour Clock		24 Hour Clock		Hour Clock		Tool
	Blanked Off NO		Blanked Off YES		Blanked Off		Opened 0334
Actual 130 °F.	Pressures		Pressures		Pressures		Opened Bypass 0834
	Field	Office	Field	Office	Field	Office	Reported Minutes
Initial Hydrostatic	2807.8	2818.5	2833.8	2861.7			Computed Minutes
First Period	Flow Initial	107.0	109.6	145.6	157.4		
	Flow Final	133.7	122.9	158.8	160.0		30
	Closed in	294.2	267.3	344	304.2		60
Second Period	Flow Initial	80.3	86.8	105.9	107.1		
	Flow Final	133.7	120.3	185.2	160.0		90
	Closed in	347.6	300.8	370.4	339.9		120
Third Period	Flow Initial						
	Flow Final						
	Closed in						
Final Hydrostatic	2807.8	2817.2	2833.8	2857.7			

Legal Location Sec. - Twp. - Rng. 16 36 26
 Lease Name BUG
 Well No. 4
 Test No. 6
 Tested Interval 5770 - 5845'
 County WILDCAT
 State SAN JUAN
 Lease Owner/Company Name WEXPRO COMPANY

FORMATION TEST DATA

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 727244
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
2000	7-15-80					On location
2200						Picked up tools
2400						Started in hole
0332	7-16-80					On bottom
0334						Opened with weak blow
0340						Very weak blow
0350						Weak blow, 6" in bucket
0400						Steady blow - 6" in bucket
0404						Closed tool
0504			3#			Opened tool with a good blow
0511			3#			Steady blow
0523			3#			"
0525			2 3/4#			"
0530			2#			"
0545			2#			"
0600			2#			"
0615			1 3/4#			"
0634			1 3/4#			Closed tool - steady blow
0834						Pulled loose
1150						Started breaking down tools
1158						Laid down tools.



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6"	3"	1'	5743.75'
Water Cushion Valve				
Drill Pipe	4 1/2"	3.826"	5225'	
Drill Collars	7"	2.25"	520'	
Handling Sub & Choke Assembly				
Dual CIP Valve-sampler	5"	.75"	7'	5744.75'
Dual CIP Sampler Hydro-spring tester	5"	.75"	5'	5752'
Hydro-Spring Tester				
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3"	4.1'	5756'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 7/8"	1.53"	6'	5764'
Distributor				
Packer Assembly	7 7/8"	1.53"	6'	5770'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars	7"	2 1/4"	31'	
Flush Joint Anchor	5 3/4"	3 1/2"	33'	
Blanked-Off B.T. Running Case	5 3/4"	2 1/2"	4.5'	5840'
Total Depth				5845'

FLUID SAMPLE DATA				Date	7-19-80	Ticket Number	728285
Sampler Pressure <u>1800</u> P.S.I.G. at Surface				Kind of D.S.T.	OPEN HOLE	Halliburton Location	FARMINGTON
Recovery: Cu. Ft. Gas <u>25.6</u>				Tester	DAVIS	Witness	-
cc. Oil _____				Drilling Contractor	ALL WESTERN		NM S
cc. Water _____				EQUIPMENT & HOLE DATA			
cc. Mud _____				Formation Tested	Lower Ismay		
Tot. Liquid cc. <u>0</u>				Elevation	<u>6601'</u> Ft.		
Gravity _____ ° API @ _____ °F.				Net Productive Interval	<u>6162' - 6182'</u> Ft.		
Gas/Oil Ratio _____ cu. ft./bbl.				All Depths Measured From	<u>Kelly Bushing</u>		
RESISTIVITY _____ CHLORIDE CONTENT _____				Total Depth	<u>6182'</u> Ft.		
Recovery Water _____ @ _____ °F. _____ ppm				Main Hole/Casing Size	<u>8 3/4"</u>		
Recovery Mud <u>.59</u> @ <u>75</u> °F. <u>6100</u> ppm				Drill Collar Length	<u>558.78'</u>	<u>2.25"</u>	
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm				Drill Pipe Length	<u>5562'</u>	<u>3.826"</u>	
Mud Pit Sample <u>.92</u> @ <u>85</u> °F. <u>4000</u> ppm				Packer Depth(s)	<u>6153' - 6159'</u> Ft.		
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm				Depth Tester Valve	<u>6135'</u> Ft.		
Mud Weight _____ vis _____ sec.							
Cushion		TYPE	AMOUNT	Depth Back Pres. Valve	Surface Choke	Bottom Choke	
		NONE		NONE	3/4" ADJ.	3/4"	
Recovered	<u>180'</u>	Feet of mud - slightly gas cut					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Recovered		Feet of					
Remarks							
SEE PRODUCTION TEST DATA SHEET...							
CTE = CHART TIME EXPIRED....							
TEMPERATURE		Gauge No. <u>2032</u>	Gauge No. <u>2033</u>	Gauge No.	TIME (00:00-24:00 hrs.)		
		Depth: <u>6140'</u> Ft.	Depth: <u>6177'</u> Ft.	Depth: _____ Ft.			
Est. <u>125</u> °F.		Hour Clock <u>12</u>	Hour Clock <u>24</u>	Hour Clock _____	Tool <u>7-19-80</u>		
Blanked Off <u>NO</u>		Blanked Off <u>YES</u>	Blanked Off _____	Blanked Off _____	Opened <u>19:43</u>		
Actual <u>134</u> °F.		Pressures		Pressures		Opened <u>7-20-80</u>	
		Pressures		Pressures		Bypass <u>4:49</u>	
		Field	Office	Field	Office	Field	Office
Initial Hydrostatic		<u>3073.0</u>	<u>3067.6</u>	<u>3143.9</u>	<u>3090.0</u>	Reported	Computed
						Minutes	Minutes
First Period	Flow	Initial <u>66.2</u>	<u>78.0</u>	<u>50.9</u>	<u>77.5</u>		
		Final <u>76.8</u>	<u>58.2</u>	<u>74.9</u>	<u>69.5</u>	<u>30</u>	<u>30</u>
	Closed in	<u>2474.7</u>	<u>2471.9</u>	<u>2506.8</u>	<u>2479.8</u>	<u>90</u>	<u>89</u>
Second Period	Flow	Initial <u>26.5</u>	<u>87.3</u>	<u>26.8</u>	<u>72.1</u>		
		Final <u>166.7</u>	<u>120.3</u>	<u>133.7</u>	<u>128.3</u>	<u>179</u>	<u>178</u>
	Closed in	<u>2461.4</u>	<u>2447.9</u>	<u>2458.4</u>	<u>2461.0</u>	<u>247</u>	<u>248</u>
Third Period	Flow	Initial _____	_____	_____	_____		
		Final _____	_____	_____	_____		
	Closed in	_____	_____	_____	_____		
Final Hydrostatic		CHART TIME EXPIRED.		<u>3076.7</u>	<u>3077.9</u>		

Legal Location Sec. - Twp. - Rng. **16 - 36S - 26E**
 Lease Name **BUG**
 Well No. **4**
 Test No. **8**
 Tested Interval **6159' - 6182'**
 County **SAN JUAN**
 State **UTAH**
 Lease Owner/Company Name **WEXPRO COMPANY**



Casing perms. _____ Bottom choke 3/4" Surf. temp _____ °F Ticket No. 728285
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED

Date Time	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
7-19-80 a.m. p.m.					
7:00 AM					On location.
8:00					Picked up the tools.
9:02					Tools in the hole.
11:15					Leak in test string - tools out of hole.
16:00					Out of the hole - change charts in gauges.
16:45					Tools in the hole.
19:33					On bottom - rigged up surface equipment.
19:43	BUBBLE HOSE	1.5#			Opened hydrospring - good blow.
19:46	"	2.0			Increasing.
19:50	"	3.0			'
19:54	"	4.0			'
20:01	"	5.0			'
20:10	"	6.0			'
20:13	"	6.5			Closed tool - first CIP.
21:43	"	15.0			Opened CIP valve.
21:48	"	19.5			Blow increasing - no gas.
21:58	"	25.5			"
22:15	1/4"				Gas to the surface - switched to blow line.
22:28	"	4#			Increasing.
22:38	"	12			"
22:48	"	17.5			"
22:58	"	22.0			"
23:08	"	26.5			"
23:28	"	29.0			"
23:38	"	33.0			"

SEE PAGE # 2

15

B.T. 2032

B.T. 2033

B.T. _____

Depth 6140'

Depth 6177'

Depth _____

12 Hour Clock

24 Hour Clock

	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
	FIRST FLOW PERIOD -			FIRST FLOW PERIOD -			(30 MINUTES)		
P-0	.000		78.0	.000		77.5			
P-1	.0335		50.2	.0167		64.1			
P-2	.0670		56.8	.0333		65.5			
P-3	.1005		56.8	.0500		65.5			
P-4	.1340		58.2	.0667		65.5			
P-5	.1675		58.2	.0833		68.1			
P-6	.2010		58.2	.1000		69.5			
	5 MINUTE INTERVALS.			5 MINUTE INTERVALS.					
	FIRST CLOSED IN PRESSURE			1ST CLOSED IN PRESSURE			(89 MINUTES)		
P-0	.000	-----	58.2	.000	-----	69.5			
P-1	.0068	1.487	189.1	.0033	1.491	184.4			
P-2	.0135	1.201	325.4	.0067	1.202	287.4			
P-3	.0203	1.037	419.3	.0100	1.041	378.3			
P-4	.0270	.927	523.6	.0133	.930	487.9			
P-5	.0338	.842	644.7	.0167	.844	594.4			
P-6	.0405	.775	736.8	.0200	.778	679.5			
P-7	.0473	.720	822.3	.0234	.722	827.1			
P-8	.0541	.674	936.8	.0267	.676	932.1			
P-9	.0609	.634	1050.2	.0300	.637	984.0			
P-10	.0676	.599	1142.8	.0334	.601	1119.9			
	1 MINUTE INTERVALS			1 MINUTE INTERVALS.					
P-11	.0812	.541	1317.4	.0400	.544	1266.6			
P-12	.0947	.495	1482.8	.0467	.497	1414.6			
P-13	.1082	.456	1644.1	.0534	.458	1598.9			
P-14	.1218	.423	1800.2	.0601	.426	1740.6			
P-15	.1353	.395	1924.6	.0667	.398	1867.6			
P-16	.1488	.371	2042.6	.0734	.374	2032.2			
P-17	.1623	.350	2150.6	.0801	.352	2142.4			
P-18	.1759	.331	2231.9	.0868	.333	2196.2			
P-19	.1894	.314	2285.3	.0934	.316	2279.5			
P-20	.2029	.292	2335.9	.1001	.301	2330.6			
	2 MINUTE INTERVALS			2 MINUTE INTERVALS.					
P-21	.2367	.267	2399.9	.1168	.269	2400.5			
P-22	.2706	.241	2427.9	.1335	.243	2431.4			
P-23	.3044	.220	2439.9	.1502	.222	2447.5			
P-24	.3382	.203	2449.3	.1669	.204	2458.3			
P-25	.3720	.188	2454.6	.1835	.189	2463.7			
P-26	.4058	.175	2458.6	.2002	.176	2467.7			
	5 MINUTE INTERVALS			5 MINUTE INTERVALS.					
P-27	.4735	.154	2465.3	.2336	.155	2474.6			
P-28	.5411	.137	2469.3	.2670	.138	2477.1			
	10 MINUTE INTERVALS			10 MINUTE INTERVALS					

Remarks: 1ST CLOSED IN PRESSURE CONTINUED ON PAGE #, 2

Lease Owner/Company Name

Ticket Number

B.T. 2032

B.T. 2033

B.T. _____

Depth 6140'

Depth 6177'

Depth _____

12 Hour Clock

24 Hour Clock

P-29

P-0
P-1
P-2
P-3
P-4
P-5
P-6
P-7
P-8
P-9
P-10

P-0
P-1
P-2
P-3
P-4
P-5
P-6
P-7
P-8
P-9
P-10

P-11
P-12
P-13
P-14
P-15
P-16
P-17
P-18
P-19

	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
	1ST CLOSED IN PRESSURE			1ST CLOSED IN PRESSURE					
	CONTINUED...			CONTINUED...					
	.6020	.125	2471.9	.2970	.126	2479.8			
	9 MINUTE INTERVAL			9 MINUTE INTERVAL					
	SECOND FLOW PERIOD-			SECOND FLOW PERIOD			(178 MINUTES)		
	.000		87.3	.000		72.1			
	.1081		75.3*	.0531		85.5*			
	.2298		95.2CC	.1129		105.6CC			
	.3514		64.8	.1727		74.8			
	.4731		80.6	.2324		88.2			
	.5947		91.2	.2922		98.9			
	.7164		92.5	.3519		101.6			
	.8380		105.8	.4117		113.6			
	.9597		111.1	.4715		120.3			
	1.0813		116.4	.5312		124.3			
	1.2030		120.3	.5910		128.3			
	18 MINUTE INTERVALS			18 MINUTE INTERVALS					
	* INTERVAL = 16 MINUTES.			* INTERVAL = 16 MINUTES.					
	CC = CHOKE CHANGE.			CC = CHOKE CHANGE.					
	SECOND CLOSED IN PRESSURE			SECOND CLOSED IN PRESSURE			(248 MINUTES)		
	PERIOD-			PERIOD-					
	.000	-----	120.3	.000	-----	128.3			
	.0068	2.320	502.6	.0033	2.320	371.6			
	.0135	2.021	809.2	.0066	2.024	668.8			
	.0203	1.846	1047.6	.0100	1.846	956.1			
	.0270	1.724	1289.6	.0133	1.724	1263.9			
	.0338	1.629	1455.0	.0166	1.630	1474.6			
	.0405	1.552	1617.7	.0199	1.553	1647.0			
	.0473	1.487	1722.2	.0233	1.487	1758.0			
	.0540	1.431	1814.8	.0266	1.431	1883.6			
	.0608	1.382	1923.2	.0299	1.382	1939.8			
	.0675	1.338	1997.3	.0332	1.339	1990.6			
	1 MINUTE INTERVALS			1 MINUTE INTERVALS.					
	.0810	1.263	2089.3	.0398	1.264	2090.0			
	.0946	1.200	2153.3	.0465	1.200	2158.6			
	.1081	1.146	2198.6	.0532	1.146	2200.2			
	.1216	1.099	2231.9	.0598	1.099	2235.2			
	.1351	1.057	2258.6	.0664	1.057	2260.7			
	.1486	1.019	2278.6	.0731	1.019	2280.9			
	.1621	.985	2294.6	.0797	.985	2294.3			
	.1756	.954	2307.9	.0864	.954	2311.8			
	.1891	.926	2319.9	.0930	.926	2323.9			

Remarks: SECOND CLOSED IN PRESSURE CONTINUED ON PAGE # 3

Lease Owner/Company Name

Ticket Number

B.T. 2032

B.T. 2033

B.T. _____

Depth 6140'

Depth 6177'

Depth _____

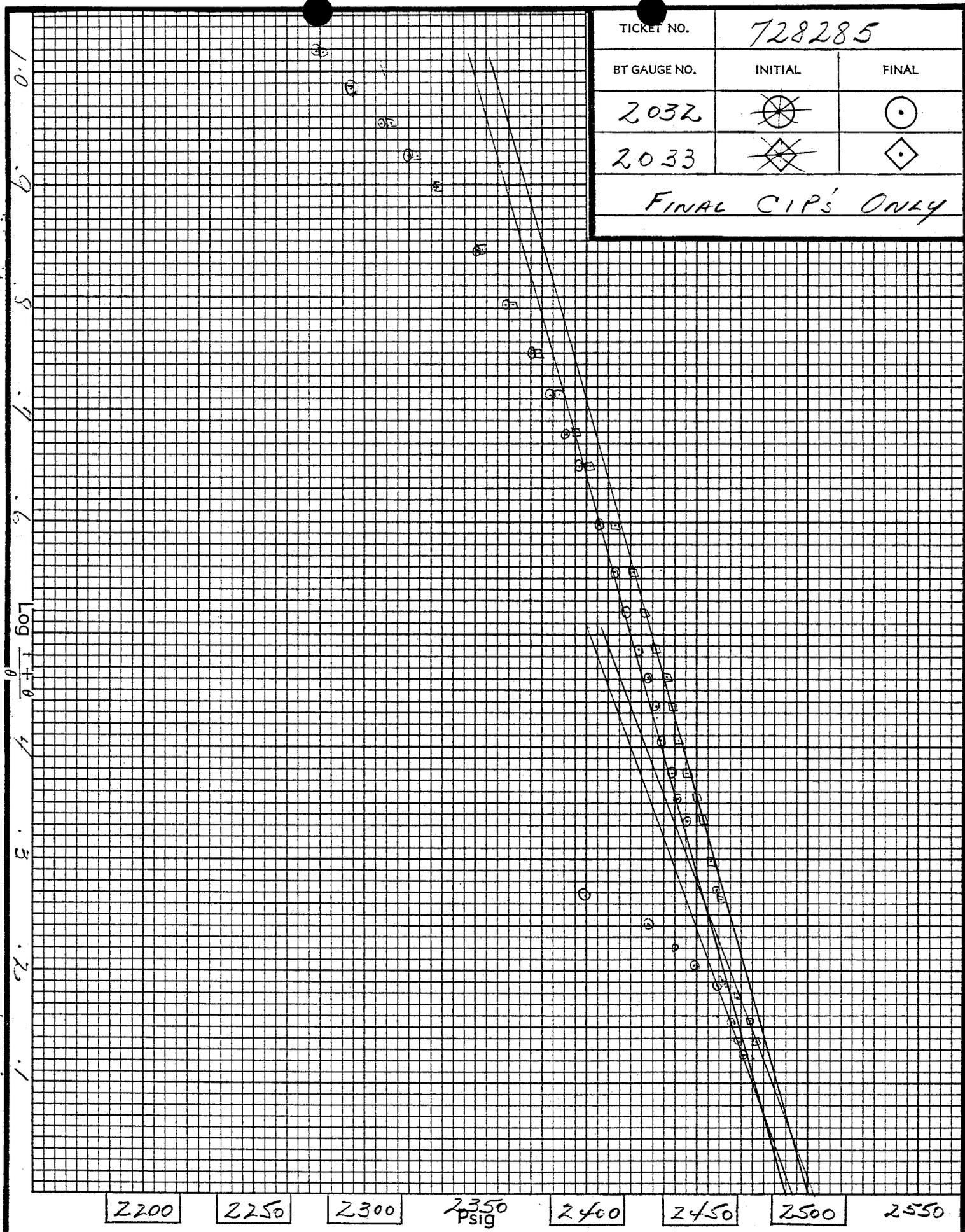
12 Hour Clock

24 Hour Clock

	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
	SECOND CLOSED IN PRESSURE			SECOND CLOSED IN PRESSURE					
	CONTINUED...			CONTINUED....					
P-20	.2026	.899	2331.9	.0997	.899	2333.3			
	2 MINUTE INTERVALS			2 MINUTE INTERVALS					
P-21	.2364	.841	2350.6	.1163	.841	2353.4			
P-22	.2702	.792	2363.9	.1329	.792	2366.9			
P-23	.3039	.750	2375.9	.1495	.750	2379.0			
P-24	.3377	.712	2383.9	.1661	.713	2388.4			
P-25	.3715	.679	2390.6	.1827	.680	2395.1			
P-26	.4052	.650	2397.3	.1993	.650	2401.8			
	5 MINUTE INTERVALS			5 MINUTE INTERVALS.					
P-27	.4728	.599	2405.3	.2326	.599	2412.6			
P-28	.5403	.556	2413.3	.2658	.556	2420.7			
P-29	.6079	.520	2418.6	.2990	.520	2427.4			
P-30	.6754	.488	2423.9	.3323	.488	2431.4			
P-31	.7430	.461	2427.9	.3655	.461	2436.8			
P-32	.8105	.437	2431.9	.3987	.437	2439.5			
	10 MINUTE INTERVALS.			10 MINUTE INTERVALS.					
P-33	.9118	.405	2434.6	.4485	.405	2442.2			
P-34	1.0131	.378	2439.9	.4984	.378	2446.2			
P-35	1.1144	.354	2441.3	.5482	.354	2450.2			
P-36	1.2158	.333	2445.3	.5981	.334	2452.9			
	15 MINUTE INTERVALS			15 MINUTE INTERVALS.					
P-37	1.3440	.311	2447.9(CTE)	.6977	.299	2455.6			
P-38	CHART TIME EXPIRED...			.7974	.271	2459.6			
	30 MINUTE INTERVALS.			30 MINUTE INTERVALS					
P-39	CHART TIME EXPIRED...			.8240	.264	2461.0			
	8 MINUTE INTERVAL.			8 MINUTE INTERVAL.					
CTE = READ AT THE END OF									
198.9 MINUTES WHEN CHART									
TIME EXPIRED. LAST									
INTERVAL = 19 MINUTES.									

Remarks: _____

TICKET NO.	728285	
BT GAUGE NO.	INITIAL	FINAL
2032		
2033		
<i>FINAL CIP'S ONLY</i>		



EXTRAPOLATED PRESSURE GRAPH

Gas Production

B.T. Gauge Numbers			2032	2033	Ticket Number	728285
Initial Hydrostatic			PRESSURE	PRESSURE	Elevation	6601 ft.
Final Hydrostatic			3067.6	3090.0		
1st Flow	Initial	Time	78.0	77.5	Production Rate	1st Flow MCF
	Final	30	58.2	69.5		2nd Flow MCF
	Closed In Pressure	89	2471.9	2479.8		3rd Flow MCF
2nd Flow	Initial	Time	87.3	72.1	Hole Size	8.75 in.
	Final	178	120.3	128.3	Footage Tested	NET 11' ft.
	Closed In Pressure	248	CTE	2459.6	Mud Weight	CALC. 9.6 lbs./gal.
3rd Flow	Initial	Time			Gas Viscosity	0.021 cp
	Final				Gas Gravity	EST. 0.60
	Closed In Pressure				Gas Compressibility	0.837
Extrapolated Static Pressure					Temperature	134 °F
			1st	2498	2502	
			2nd	2492	2500	
			3rd			
Slope P/10			1st	2308	2325	
			2nd	2350	2358	
			3rd			

Remarks:

SUMMARY

B.T. Gauge No. 2032/
Depth 6140'

B.T. Gauge No. 2033/
Depth 6177'

PRODUCT	EQUATION	FIRST	SECOND	THIRD	FIRST	SECOND	THIRD	UNITS
Transmissibility	$\frac{Kh}{\mu} = \frac{1637 Q_r ZT}{m}$		116.972			116.483		md. ft. / cp
Theoretical Flow Capacity	$Kh = \frac{Kh}{\mu} \mu$		2.456			2.448		md. ft.
Average Effective Permeability	$K = \frac{Kh}{h}$		-			-		md.
Permeability	$K_1 = \frac{Kh}{h_1}$		0.223			0.222		md.
Indicated Flow Capacity	$(Kh)_s = \frac{3200 Q_r \mu ZT \text{Log}(0.472 b/r_w)}{P_s^2 - P_r^2}$		0.516			0.512		md. ft.
Damage Ratio	$DR = \frac{\text{Theo. Flow Cap}}{\text{Indicated Flow Cap}} \frac{Kh}{(Kh)_s}$		4.760			4.777		-
Indicated Flow Rate	$OF_1 = \frac{Q_r P_s^2}{P_s^2 - P_r^2} \text{ Max.}$		98.93			98.96		MCFD
	$OF_2 = \frac{Q_r P_s}{\sqrt{P_s^2 - P_r^2}} \text{ Min.}$		98.81			98.83		MCFD
Theoretical Potential Rate	$OF_3 = OF_1 DR \text{ Max.}$		470.9			472.7		MCFD
	$OF_4 = OF_2 DR \text{ Min.}$		470.4			472.1		MCFD
Approx. Radius of Investigation	$b \approx \sqrt{Kt} \text{ or } \sqrt{Kt_0}$		-			-		ft.
	$b_1 \approx \sqrt{K_1 t} \text{ or } \sqrt{K_1 t_0}$		6.8			6.8		ft.
Potentiometric Surface *	$\text{Pot.} = (EI - GD) + (2.319 P_s)$		6240			6222		ft.

NOTICE. These calculations are based upon information furnished by you and taken from Drill Stem Test pressure charts, and are furnished you for your information. In furnishing such calculations and evaluations based thereon, Halliburton is merely expressing its opinion. You agree that Halliburton makes no warranty express or implied as to the accuracy of such calculations or opinions, and that Halliburton shall not be liable for any loss or damage, whether due to negligence or otherwise, in connection with such calculations and opinions.



	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	4.5"	3.826"	5562'	
Drill Collars	8 1/4"	2.25"	558.78'	
Handling Sub & Choke Assembly				
Dual CIP Valve	5"	.87"	3'	6129'
Dual CIP Sampler	5"	.75"	3'	6132'
Hydro-Spring Tester	5"	.75"	5'	6135'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3"	5'	6140'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly				
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly	6 1/2"	1.53"	6'	6153'
Distributor				
Packer Assembly	6 1/2"	1.53"	6'	6159'
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5 3/4"	3 1/2"	18'	
Blanked-Off B.T. Running Case	5 3/4"	2 1/2"	4.5'	6177.5'
Total Depth				6182'

FLUID SAMPLE DATA				Date		Ticket Number			
Sampler Pressure <u>150</u> P.S.I.G. at Surface				7 22-80		727245			
Recovery: Cu. Ft. Gas <u>3.3</u>				Kind of D.S.T. <u>OPEN HOLE</u>		Halliburton Location <u>FARMINGTON</u>			
cc. Oil _____				Tester <u>MR. FREIDLINE</u>		Witness <u>MR. SLIGER</u>			
cc. Water _____				Drilling Contractor <u>ALL WESTERN DRILLING COMPANY #2 DRbc</u>					
cc. Mud _____				EQUIPMENT & HOLE DATA					
Tot. Liquid cc. _____				Formation Tested <u>Desert Creek</u>					
Gravity <u>44.7</u> ° API @ <u>60</u> °F.		RESISTIVITY		Elevation <u>6601'</u> Ft.		Net Productive Interval <u>30'</u> Ft.			
Gas/Oil Ratio _____ cu. ft./bbl.		CHLORIDE CONTENT		All Depths Measured From <u>Kelly Bushing</u>		Total Depth <u>6316'</u> Ft.			
Recovery Water _____ @ _____ °F. _____ ppm		Recovery Mud <u>.09</u> @ <u>73</u> °F. <u>56,000</u> ppm		Main Hole/Casing Size <u>8 3/4"</u>		Drill Collar Length <u>558'</u> I.D. <u>2.25"</u>			
Recovery Mud Filtrate _____ @ _____ °F. _____ ppm		Mud Pit Sample <u>.55</u> @ <u>78</u> °F. <u>7,000</u> ppm		Drill Pipe Length <u>5697'</u> I.D. <u>3.826"</u>		Packer Depth(s) <u>6280' - 6286'</u> Ft.			
Mud Pit Sample Filtrate _____ @ _____ °F. _____ ppm		Mud Weight <u>11.4</u> vis <u>40</u> sec.		Depth Tester Valve <u>6263'</u> Ft.					
Cushion <u>Water</u> <u>1500</u>		TYPE AMOUNT		Surface Choke <u>3/4"</u>		Bottom Choke <u>3/4"</u>			
Recovered <u>1300</u> Feet of <u>Gas cut oil</u>		Depth Back Pres. Valve _____ Ft.		Field Area <u>WILDCAT</u> Meas. From Tester Valve _____ County <u>SAN JUAN</u> State <u>UTAH</u>					
Recovered <u>558</u> Feet of <u>Gas and water cut mud</u>		Remarks <u>SEE PRODUCTION TEST DATA SHEET.</u>							
Recovered _____ Feet of _____		Remarks _____							
Recovered _____ Feet of _____		Remarks _____							
Recovered _____ Feet of _____		Remarks _____							
TEMPERATURE		Gauge No. <u>2033</u>		Gauge No. <u>2032</u>		Gauge No. _____		TIME (00:00-24:00 hrs.)	
Depth: <u>6268'</u> Ft.		Depth: _____ Ft.		Depth: _____ Ft.		_____ Hour Clock		Tool Opened <u>0945</u>	
Est. _____ °F.		Blanked Off <u>NO</u>		Blanked Off <u>YES</u>		Blanked Off _____		Opened Bypass <u>1559</u>	
Actual <u>136</u> °F.		Pressures		Pressures		Pressures		Reported Minutes	
		Field Office		Field Office		Field Office		Computed Minutes	
Initial Hydrostatic		<u>3816</u> <u>3815.8</u>		<u>3843</u> <u>3836.4</u>					
Flow Initial		<u>668</u> <u>772.6</u>		<u>700</u> <u>709.2</u>					
Flow Final		<u>1040</u> <u>1037.3</u>		<u>1056</u> <u>1050.2</u>				<u>30</u> <u>28</u>	
Closed in		<u>3493</u> <u>3497.3</u>		<u>3524</u> <u>3513.2</u>				<u>90</u> <u>92</u>	
Flow Initial		<u>894</u> <u>898.9</u>		<u>911</u> <u>899.4</u>					
Flow Final		<u>1600</u> <u>1671.1</u>		<u>1690</u> <u>1673.2</u>				<u>73</u> <u>69</u>	
Closed in		<u>3480</u> <u>3479.8</u>		<u>3511</u> <u>3494.7</u>				<u>181</u> <u>186</u>	
Flow Initial									
Flow Final									
Closed in									
Final Hydrostatic		<u>3776</u> <u>3815.8</u>		<u>3843</u> <u>3836.4</u>					

Legal Location Sec. - Twp. - Rng. _____
 Lease Name BUG
 Well No. 4
 Test No. 9
 Tested Interval 6286' - 6316'
 County SAN JUAN
 State UTAH
 Lease Owner/Company Name WEXPRO COMPANY

Casing perms. _____ Bottom choke _____ Surf. temp. _____ °F Ticket No. _____

Gas gravity _____ Oil gravity _____ GOR _____

Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F Page 1

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
0030						On location
0445						Picked up tools
0615						Trip in hole with tools
0945						Opened tool with a light blow
0947						Strong blow, to bottom of bucket
0950			2			
0955			5			
1000			20			
1005			117			
1008						Opened 3/4" choke, gas to surface
1010			80			Water cushion to surface
1015						Closed tool
1145		3/4"				Opened tool with a light blow throughout
1203						Closed choke, opened bubble hose
1204			5			
1206			20			
1207		"				Opened 3/4" choke, closed bubble hose
1209		"	80			Unloaded oil cut water
1214		"	150			
1219		"	200			
1221		9/64"	375			Opened line to separator
1226		13/64"	420			
1231		16/64"	400			
1236		18/64"	500			
1241		"	550			
1246		"	580			

WEXPRO COMPANY
Lease Owner/Company Name

727245
Ticket Number

B.T. 2033

B.T. 2032

B.T. _____

Depth 6268'

Depth 6312'

Depth _____

24 Hour Clock

24 Hour Clock

PAGE 1

P-0
1
2
3
4
5
6
7

Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
FIRST FLOW			FIRST FLOW					
.000		772.6	.000		709.2			
.0139		672.8	.0132		692.1			
.0277		706.1	.0263		735.5			
.0416		756.6	.0395		782.8			
.0554		821.8	.0526		850.0			
.0693		945.4	.0658		975.0			
.0831		1022.6	.0789		1033.0			
.0970		1037.3	.0920		1050.2			

4 Minute Intervals

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Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
FIRST CIP			First CIP					
.000		1037.3	.000		1050.2			
.0033		2103.4	.0033		2809.8			
.0066		3047.0	.0066		3022.6			
.0099		3142.4	.0099		3132.9			
.0132		3197.5	.0132		3211.4			
.0165		3232.5	.0165		3253.3			
.0198		3260.7	.0197		3278.5			
.0231		3290.3	.0230		3301.0			
.0264		3307.8	.0263		3319.6			
.0297		3319.9	.0296		3336.8			
.0330		3330.6	.0329		3347.4			

1 Minute Intervals

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.0396		3352.1	.0395		3368.7			
.0462		3368.2	.0461		3385.9			
.0528		3381.7	.0527		3397.8			
.0594		3393.8	.0592		3409.8			
.0660		3403.2	.0658		3419.1			
.0727		3411.3	.0724		3427.0			
.0793		3418.0	.0790		3433.7			
.0859		3424.7	.0856		3441.6			
.0925		3430.1	.0922		3446.9			
.0991		3435.4	.0988		3452.2			
.1057		3440.8	.1053		3457.5			

2 Minute Intervals

22
23
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25
26
27

.1222		3448.9	.1218		3465.5			
.1387		3457.0	.1382		3476.1			
.1553		3465.0	.1548		3481.4			
.1718		3470.4	.1712		3488.0			
.1883		3475.8	.1877		3493.3			
.2048		3479.8	.2042		3496.0			

5 Minute Intervals

Continued On page 2

Remarks: _____

WEXPRO COMPANY
 Lease Owner/Company Name

727245
 Ticket Number

B.T. 2033

B.T. 2032

B.T. _____

Depth 6268'

Depth 6312'

Depth _____

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P-0
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P-0
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Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t + \theta}{\theta}$	PSIG Temp. Corr.
FIRST CIP CONTINUED:			FIRST CIP CONTINUED:					
.2544		3490.6	.2536		3506.6			
.3040		3497.3	.3030		3513.2			
15 Minute Intervals			15 Minute Intervals					
SECOND FLOW			SECOND FLOW					
.000		898.9	.000		899.4			
.0296*		904.2	.0295*		919.3			
.0625		993.3	.0622		1009.2			
.0954		1125.0	.0950		1140.2			
(.119		1132.90)	(.118		1149.40)			
.1283		1196.8	.1277		1202.3			
.1612		1367.0	.1605		1383.6			
(.214		1586.80)	(.213		1605.80)			
.227		1671.1	.2260		1673.2			
10 Minute Intervals			10 Minute Intervals					
*-9 Minute Intervals			*-9 Minute Intervals					
SECOND CIP			SECOND CIP					
.000		1671.1	.000		1673.2			
.0033		2827.9	.0033		2831.1			
.0066		2986.5	.0066		2965.4			
.0099		3052.4	.0099		3057.0			
.0132		3092.7	.0132		3098.1			
.0165		3129.0	.0165		3132.6			
.0198		3150.5	.0197		3155.1			
.0231		3169.3	.0230		3181.7			
.0264		3188.1	.0263		3202.9			
.0297		3200.2	.0296		3214.8			
.0330		3215.0	.0329		3228.1			
1 Minute Intervals			1 Minute intervals					
.0396		3235.2	.0395		3251.9			
.0462		3254.0	.0461		3277.1			
.0528		3268.8	.0526		3285.1			
.0594		3287.6	.0592		3298.4			
.0660		3295.7	.0658		3307.7			
.0726		3303.7	.0724		3319.6			
.0792		3313.1	.0789		3327.5			
.0858		3321.2	.0855		3335.5			
.0924		3329.3	.0921		3343.5			
.0990		3336.0	.0987		3350.1			
2 Minute Intervals			2 Minute Intervals					
.1155		3350.8	.1152		3358.1			
.1320		3364.2	.1316		3380.6			

Remarks: CONTINUED ON PAGE 3

C-Choke change

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing				
Drill Collars				
Reversing Sub	6"	3"	1'	
Water Cushion Valve				
Drill Pipe	4½"	3.826"	5697'	
Drill Collars	7"	2.25"	558'	
Handling Sub & Choke Assembly X over	6"	3"	1'	
Dual CIP Valve	5"	.87"	3'	6256'
Dual CIP Sampler	5"	2.75"	4'	6159'
Hydro-Spring Tester	5"	.75"	5'	6263'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	2.25"	4'	6268'
Hydraulic Jar	5"	1.75"	5'	
VR Safety Joint	5"	1"	3'	
Pressure Equalizing Crossover				
Packer Assembly	7 7/8"	1.53"	6'	6280'
Distributor				
Packer Assembly	7 7/8"	1.53"	6'	6286'
Flush Joint Anchor				
Pressure Equalizing Tube				
Blanked-Off B.T. Running Case				
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor	5 3/4"	3.5"	25'	
Blanked-Off B.T. Running Case	5 3/4"	2.44"	4'	6312'
Total Depth				6316'

** FILE NOTATIONS **

DATE: March 21, 1980

Operator: Wexpro Company

Well No: Bus # 4

Location: Sec. 16 T. 36S R. 26E County: San Juan

File Prepared:

Entered on N.I.D.:

Card Indexed:

Completion Sheet:

API Number 43-037-30542

CHECKED BY:

Geological Engineer: _____

Petroleum Engineer: M.S. Minder 3/24/80 in accordance with pending order 186-1 which provides a tolerance of 200' from the center of the NE 1/4 of the 1/4 section, where well bore intersects Desert
Director: Creek fm.

APPROVAL LETTER:

Bond Required:
Pending Order
Order No. 186-1 2/27/80

Survey Plat Required:
O.K. Rule C-3

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site

Lease Designation State Plotted on Map

Approval Letter Written

#3
hl
PI

March 27, 1980

Wexpro Company
P.O. Box 1129
Rock Springs, Wyoming 82901

Re: Well No. Bug #4
Sec. 16, T. 36S, R. 26E.,
San Juan County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with the Order issued in Cause No. 186-1 dated February 27, 1980.

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

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

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

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

The API number assigned to this well is 43-037-30542.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Geological Engineer

/b:tm

cc: Donald Prince

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Wexpro Company

WELL NAME: Bug #4

SECTION 16 NE SW TOWNSHIP 36S RANGE 26E COUNTY San Juan

DRILLING CONTRACTOR All Western Drilling

RIG #

SPUDDED: DATE 6/25/80

TIME 5:30 p.m.

How rotary

DRILLING WILL COMMENCE presently

REPORTED BY Paul Zubatch

TELEPHONE # 307-362-5611

DATE June 26, 1980

SIGNED *M. J. M*

cc: Donald Prince

Please add or replace the enclosed material in your DST report folder.

Lease owner WEXPRO COMPANY

Lease name B U G Well No. 4

DST# 9 Halliburton Ticket No. 727245

Date of test 7-22-80

Lease Owner/Company Name

Ticket Number

B.T. 2033

B.T. 2032

B.T.

Depth 6268'

Depth 6312'

Depth

24 Hour Clock

24 Hour Clock

PAGE 1

	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
	FIRST FLOW			FIRST FLOW					
P-0	.000		772.6	.000		709.2			
1	.0139		672.8	.0132		692.1			
2	.0277		706.1	.0263		735.5			
3	.0416		756.6	.0395		782.8			
4	.0554		821.8	.0526		850.0			
5	.0693		945.4	.0658		975.0			
6	.0831		1022.6	.0789		1033.0			
7	.0970		1037.3	.0920		1050.2			
	4 Minute Intervals			4 Minute Intervals					
	FIRST CIP			First CIP					
P-0	.000	-----	1037.3	.000	----	1050.2			
1	.0033	1.483	2103.4	.0033	1.461	2809.8			
2	.0066	1.196	3047.0	.0066	1.174	3022.6			
3	.0099	1.033	3142.4	.0099	1.013	3132.9			
4	.0132	.922	3197.5	.0132	.901	3211.4			
5	.0165	.838	3232.5	.0165	.818	3253.3			
6	.0198	.771	3260.7	.0197	.754	3278.5			
7	.0231	.716	3290.3	.0230	.699	3301.0			
8	.0264	.670	3307.8	.0263	.653	3319.6			
9	.0297	.630	3319.9	.0296	.614	3336.8			
10	.0330	.595	3330.6	.0329	.579	3347.4			
	1 Minute Intervals			1 Minute intervals					
11	.0396	.538	3352.1	.0395	.522	3368.7			
12	.0462	.491	3368.2	.0461	.476	3385.9			
13	.0528	.453	3381.7	.0527	.439	3397.8			
14	.0594	.420	3393.8	.0592	.407	3409.8			
15	.0660	.393	3403.2	.0658	.380	3419.1			
16	.0727	.368	3411.3	.0724	.356	3427.0			
17	.0793	.347	3418.0	.0790	.335	3433.7			
18	.0859	.328	3424.7	.0856	.317	3441.6			
19	.0925	.311	3430.1	.0922	.301	3446.9			
20	.0991	.296	3435.4	.0988	.286	3452.2			
21	.1057	.283	3440.8	.1053	.273	3457.5			
	2 Minute Intervals			2 Minute Intervals					
22	.1222	.254	3448.9	.1218	.244	3465.5			
23	.1387	.230	3457.0	.1382	.222	3476.1			
24	.1553	.211	3465.0	.1548	.203	3481.4			
25	.1718	.194	3470.4	.1712	.187	3488.0			
26	.1883	.180	3475.8	.1877	.173	3493.3			
27	.2048	.168	3479.8	.2042	.162	3496.0			
	5 Minute Intervals			5 Minute Intervals					
	Continued On page 2			Continued on page 2					

Remarks:

15

WEXPRO COMPANY
Lease Owner/Company Name

727245
Ticket Number

B.T. 2033

B.T. 2032

B.T. _____

Depth 6268'

Depth 6312'

Depth _____

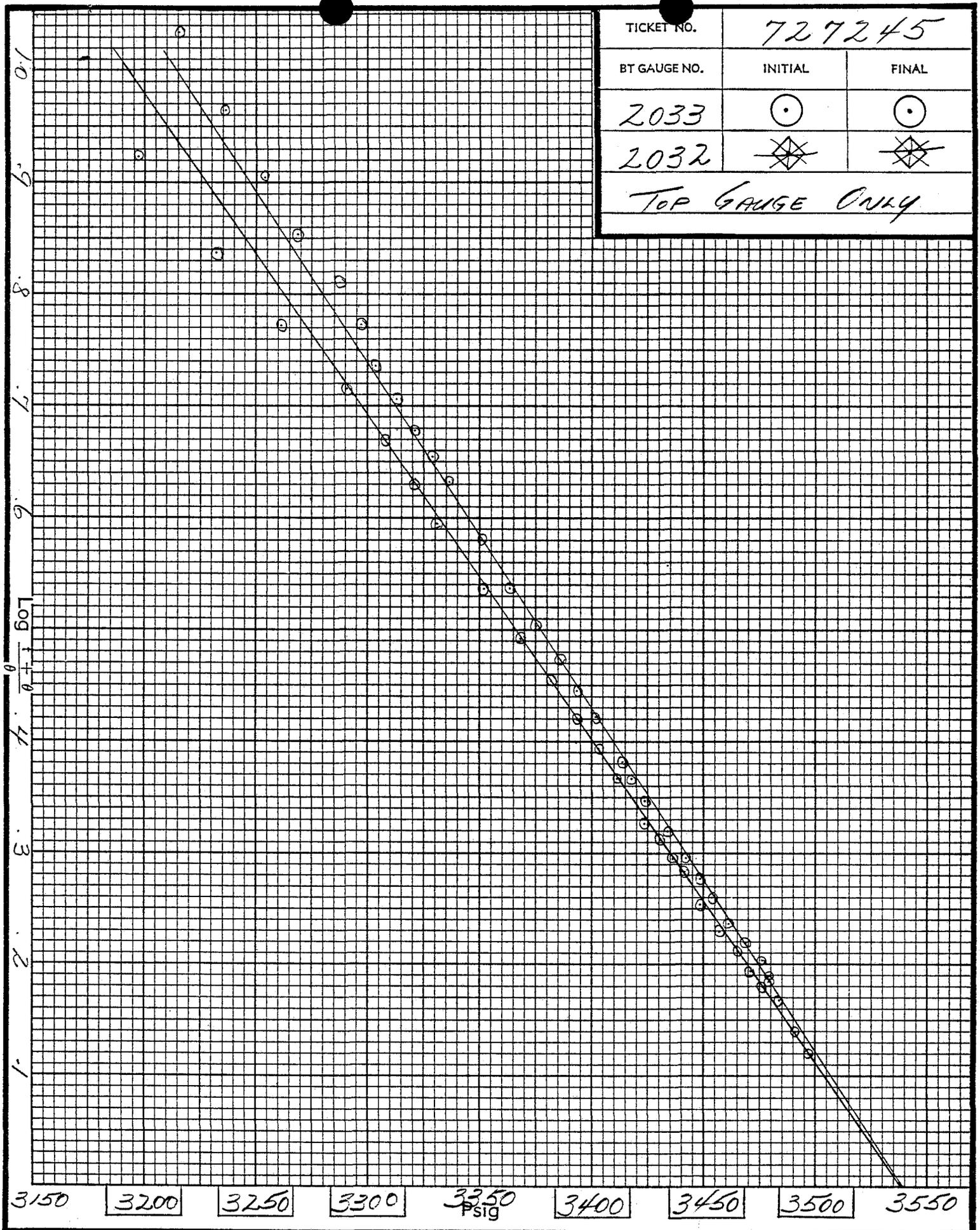
	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time Defl. .000"	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
	FIRST CIP CONTINUED:			FIRST CIP CONTINUED:					
P-28	.2544		3490.6	.2536		3506.6			
29	.3040		3497.3	.3030		3513.2			
	15 Minute Intervals			15 Minute Intervals					
	SECOND FLOW			SECOND FLOW					
P-0	.000		898.9	.000		899.4			
1	.0296*		904.2	.0295*		919.3			
2	.0625		993.3	.0622		1009.2			
3	.0954		1125.0	.0950		1140.2			
4	(.119		1132.90)	(.118		1149.40)			
5	.1283		1196.8	.1277		1202.3			
6	.1612		1367.0	.1605		1383.6			
	(.214		1586.80)	(.213		1605.80)			
	.227		1671.1	.2260		1673.2			
	10 Minute Intervals			10 Minute Intervals					
	*-9 Minute Intervals			*-9 Minute Intervals					
	SECOND CIP			SECOND CIP					
P-0	.000	-----	1671.1	.000	-----	1673.2			
1	.0033	1.996	2827.9	.0033	1.989	2831.1			
2	.0066	1.700	2986.5	.0066	1.692	2965.4			
3	.0099	1.528	3052.4	.0099	1.520	3057.0			
4	.0132	1.407	3092.7	.0132	1.400	3098.1			
5	.0165	1.314	3129.0	.0165	1.307	3132.6			
6	.0198	1.240	3150.5	.0197	1.234	3155.1			
7	.0231	1.177	3169.3	.0230	1.171	3181.7			
8	.0264	1.123	3188.1	.0263	1.117	3202.9			
9	.0297	1.076	3200.2	.0296	1.070	3214.8			
10	.0330	1.034	3215.0	.0329	1.028	3228.1			
	1 Minute Intervals			1 Minute intervals					
11	.0396	.963	3235.2	.0395	.957	3251.9			
12	.0462	.904	3254.0	.0461	.898	3277.1			
13	.0528	.853	3268.8	.0526	.848	3285.1			
14	.0594	.810	3287.6	.0592	.804	3298.4			
15	.0660	.772	3295.7	.0658	.766	3307.7			
16	.0726	.737	3303.7	.0724	.732	3319.6			
17	.0792	.707	3313.1	.0789	.702	3327.5			
18	.0858	.679	3321.2	.0855	.674	3335.5			
19	.0924	.654	3329.3	.0921	.649	3343.5			
20	.0990	.631	3336.0	.0987	.626	3350.1			
	2 Minute Intervals			2 Minute Intervals					
21	.1155	.580	3350.8	.1152	.575	3358.1			
22	.1320	.538	3364.2	.1316	.534	3380.6			

Remarks: CONTINUED ON PAGE 3

c-Choke change

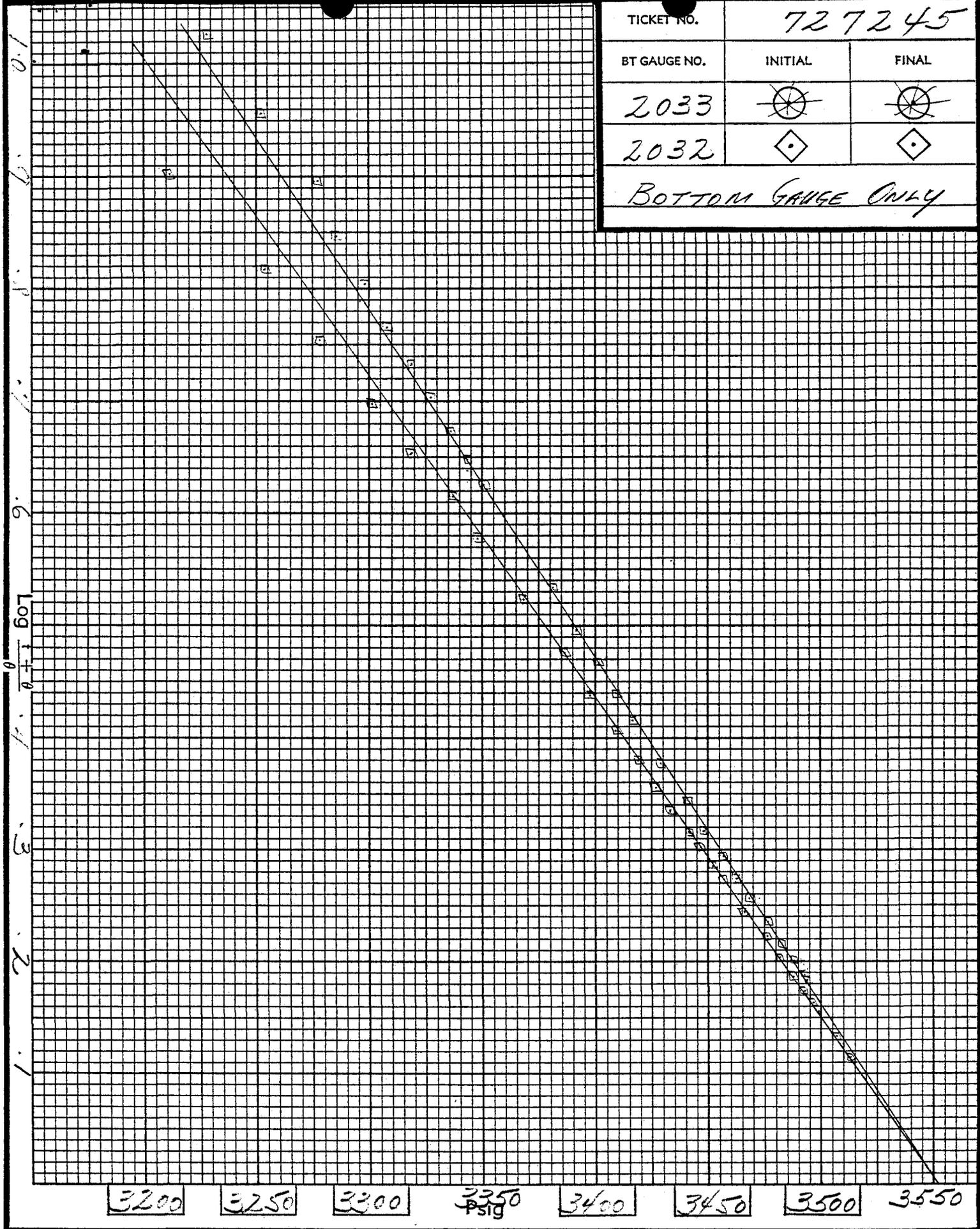
15

TICKET NO.	727245	
BT GAUGE NO.	INITIAL	FINAL
2033	⊙	⊙
2032	⊗	⊗
TOP GAUGE ONLY		



EXTRAPOLATED PRESSURE GRAPH

TICKET NO.	727245	
BT GAUGE NO.	INITIAL	FINAL
2033		
2032		
BOTTOM GAUGE ONLY		



EXTRAPOLATED PRESSURE GRAPH

Liquid Production

B.T. Gauge Numbers			2033	2032	Ticket Number	727245
			PRESSURE	PRESSURE		
Initial Hydrostatic			3815.8	3836.4	Elevation	6601 ft.
Final Hydrostatic			3815.8	3836.4	Indicated Production	1st Flow 836 bbls./day
1st Flow	Initial	Time	772.6	709.2		2nd Flow 683 bbls./day
	Final	28	1037.3	1050.2		3rd Flow - bbls./day
Closed In Pressure			92	3497.3	3513.2	Drill Collar Length 558 ft.
2nd Flow	Initial		898.8	899.4	Drill Collar I.D. 2.25 in.	
	Final	69	1671.1	1673.2	Drill Pipe Factor 0.01422 bbls./ft.	
	Closed In Pressure			186	3479.8	3494.7
3rd Flow	Initial	Time			Footage Tested Net 14 * ft.	
	Final				Mud Weight 11.4 lbs./gal.	
	Closed In Pressure					Viscosity, Oil or Water 0.6 * cp
Extrapolated Static Pressure		1st	3538	3552	Oil API Gravity 44.7 —	
		2nd	3539	3552	Water Specific Gravity - —	
		3rd			Temperature 136 °F	
Slope P/10		1st	3192	3202		
		2nd	3213	3229		
		3rd				

Remarks: *-Net pay reported by Mr. Greg Martin.
 The viscosity valve used in the calculations is for 44.7° A.P.I. Gravity oil and an estimated G.O.R. of 500 cu. ft. per barrel.

SUMMARY		B.T. Gauge No. 2033 Depth 6268'			B.T. Gauge No. 3032 Depth 6312'			UNITS
PRODUCT	EQUATION	FIRST	SECOND	THIRD	FIRST	SECOND	THIRD	
Production	$Q = \frac{1440 R}{t}$	858.3	681.3		836.	683.		bbls. day
Transmissibility	$\frac{Kh}{\mu} = \frac{162.6 Q}{m}$	403.37	339.85		388.62	344.12		md. ft. cp
Indicated Flow Capacity	$Kh = \frac{Kh}{\mu} \mu$	242.05	203.93		233.17	206.47		md. ft.
Average Effective	$K = \frac{Kh}{h}$	-	-		-	-		md.
Permeability	$K_i = \frac{Kh}{h_i}$	17.287	14.565		16.655	14.748		md.
Damage Ratio	$DR = .183 \frac{P_s - P_f}{m}$	1.322	1.048		1.308	1.064		—
Theoretical Potential w/Damage Removed	$Q_1 = Q DR$	1135	714		1094	727		bbls. day
Approx. Radius of Investigation	$b \approx \sqrt{Kt}$ or $\sqrt{Kt_0}$	-	-		-	-		ft.
	$b_1 \approx \sqrt{K_1 t}$ or $\sqrt{K_1 t_0}$	22.0	37.5		21.6	37.8		ft.
Potentiometric Surface *	$Pot. = EI - GD + 2.319 P_s$	8538	8540		8526	8526		ft.

NOTICE: These calculations are based upon information furnished by you and taken from Drill Stem Test pressure charts, and are furnished you for your information. In furnishing such calculations and evaluations based thereon, Halliburton is merely expressing its opinion. You agree that Halliburton makes no warranty express or implied as to the accuracy of such calculations or opinions, and that Halliburton shall not be liable for any loss or damage, whether due to negligence or otherwise, in connection with such calculations and opinions.

15

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

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>		5. LEASE DESIGNATION AND SERIAL NO. ML-27026
1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
2. NAME OF OPERATOR Wexpro Company		7. UNIT AGREEMENT NAME -
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		8. FARM OR LEASE NAME Bug
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE SW 1915' FSL, 1928 FWL		9. WELL NO. 4
14. PERMIT NO. API #: 43-037-30542		10. FIELD AND POOL, OR WILDCAT Wildcat
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6601.90' GR 6588.60'		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA 16-36S-26E., SLB&M
		12. COUNTY OR PARISH 13. STATE San Juan Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <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) <u>Supplementary History</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		<small>(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)</small>	

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.)*

Depth 6370', nipples up tubing spool.
Spudded June 25, 1980 at 5:30 p.m., landed 9-5/8", 36#, K-55, 8rd thd, ST&C casing at 2040.43', set with 700 sacks regular B cement, tailed in with 300 sacks regular B cement treated with 3% calcium chloride, returned 70 barrels to surface, cement in place at 9:00 a.m. on June 30, 1980.

DST #1: 4996-5074', Honaker Trail, IO 1/2 hr, ISI 1-1/2 hrs, FO 2 hrs, FSI 3 hrs, opened weak, no gas, reopened, 25 minutes 130 Mcf, 55 minutes 265 Mcf, 70 minutes to 110 minutes 220 Mcf, recovered 150' mud, and 1107' water, IHP 2267, IOFP's 134-270, ISIP 1942, FOFP's 216-431, FSIP 1958, FHP 2262.

DST #2: 5020-5074', Honaker Trail, IO 1/2 hr, ISI 92 minutes, FO 2 hrs, FSI 3 hrs, opened weak, no gas, reopened strong, no gas, recovered 360' gas and water cut mud and 463' water, IHP 2267, IOFP's 135-243, ISIP 1739, FOFP's 135-404, FSIP 1752, FHP 2240.

DST #3: 5104-5142', Honaker Trail, IO 1/2 hr, ISI 1 hr, FO 1-1/2 hrs, FSI 2 hrs, opened strong, no gas, reopened, 1/2 hr 150 Mcf, 55 minutes 160 Mcf, 1-1/2 hrs 172 Mcf, recovered 133' mud, IHP 2324, IOFP's 27-107, ISIP 1935, FOFP's 54-54, FSIP 1921, FHP 2324.

DST #4: 5172-5223', Honaker Trail, IO 1/2 hr, ISI 1 1/2 hrs, FO 2 1/2 hrs, FSI 3 1/2 hrs, opened weak, 1/2 hr 2 psi, reopened weak, no gas, recovered 216' gas cut mud and 1023' water, IHP 2364, IOFP's 80-254, ISIP 2015, FOFP's 281-588, FSIP 2001, FHP 2364.

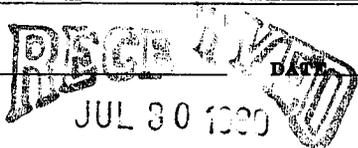
SEE ATTACHED SHEET -

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

SIGNED Lee Martin TITLE Asst. Drilling Supt. DATE July 25, 1980

(This space for Federal or State office use)

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



Bug Well No. 4

DST #5: 5684-5762', Paradox, IO 1/2 hr, ISI 1 hr, FO 3 hrs, FSI 3 hrs, opened weak, no gas, reopened, strong blow of gas in 140 minutes, 164 minutes 91 Mcf, 169 minutes 65 Mcf, 174 minutes not enough to gauge, recovered 280' gas cut mud, IHP 2741, IOFP's 107-134, ISIP 508, FOFP's 107-134, FSIP 1600, FHP 2754.

DST #6: 5774-5845', Paradox, IO 1/2 hr, ISI 1 hr, FO 1-1/2 hrs, FSI 2 hrs, opened weak, no gas, reopened with a medium blow, no gas, recovered 279' gas cut mud, IHP 2808, IOFP's 107-134, ISIP 294, FOFP's 80-134, FSIP 348, FHP 2808.

DST #7: 6162-6182', Lower Ismay, mis-run.

DST #8: 6159-6182', Lower Ismay, IO 1/2 hr, ISI 1-1/2 hrs, FO 3 hrs, FSI 4 hrs, opened with medium blow, no gas, reopened strong, gas in 32 minutes, 74 minutes 17 Mcf, 124 minutes 70 Mcf, 174 minutes 90 Mcf, recovered 180' mud, IHP 3073, IOFP's 56-77, ISIP 2475, FOFP's 27-167, FSIP 2461, FHP 3076.

DST #9: 6286-6316', Desert Creek, 1500' water cushion, IO 1/2 hr, ISI 1-1/2 hrs, FO 73 minutes, FSI 3 hours, opened strong, gas in 23 minutes, water cushion in 25 minutes, reopened strong, unloaded water cushion in 23 minutes, oil in 33 minutes, 33 minutes 767 Mcf, 60 minutes 614 Mcf, 11-1/2 barrels oil, recovered 558' water cut mud and 1300' gas cut oil, IHP 3816, IOFP's 668-1040, ISIP 3493, FOFP's 894-1600, FSIP 3480, FHP 3776.

OIL & GAS CONSERVATION COMMISSION

SUNDRY NOTICES AND REPORTS ON WELLS

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

<p>1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/></p> <p>2. NAME OF OPERATOR Wexpro Company</p> <p>3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE SW 1915' FSL, 1928 FWL</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. ML-27026</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME -</p> <p>7. UNIT AGREEMENT NAME -</p> <p>8. FARM OR LEASE NAME Bug</p> <p>9. WELL NO. 4</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 16-36S-26E., SLB&M</p> <p>12. COUNTY OR PARISH San Juan</p> <p>13. STATE Utah</p>
<p>14. PERMIT NO. API #: 43-037-30542</p>	<p>15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 6601.90' GR 6588.60'</p>	

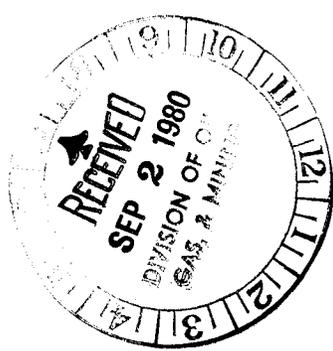
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

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) <u>Supplementary History</u> <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(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.)*

TD 6370', landed 5 1/2", 17#, K-55, 8rd thd, LT&C casing at 6366.67', set with 675 sacks 50-50 Pozmix cement treated with 2% gel and 6# per sack gilsonite, good returns while circulating, mixing and displacing, float equipment held OK, cement in place 7-25-80 at 1:30 a.m., rig released July 25, 1980.

Rigged up Dresser Atlas, PBD 6292', landed 2-7/8" tubing at 6179.77', perforated from 6284' to 6298', rig released 7-31-80, preparing to acidize.



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

SIGNED A.J. Maxer TITLE Dir. Supt. DATE 8-26-80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

SUBMIT IN DUPLICATE*

STATE OF UTAH

(See other instructions on reverse side)

OIL & GAS CONSERVATION COMMISSION

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. RESVR. Other _____

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 1129, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface NE SW 1915' FSL, 1928' FWL
At top prod. interval reported below
At total depth

14. PERMIT NO. 43-037-30542 DATE ISSUED 3-26-80

API #: 43-037-30542

15. DATE SPUDDED 6-25-80 16. DATE T.D. REACHED 7-23-80 17. DATE COMPL. (Ready to prod.) 8-29-80 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* KB 6601.90' GR 6588.60' 19. ELEV. CASINGHEAD -

20. TOTAL DEPTH, MD & TVD 6370 21. PLUG, BACK T.D., MD & TVD 6320 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 0-6370 ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6284 - 6298' -- Desert Creek 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN DIL, FDC/CNL, HDP 27. WAS WELL CORED Yes

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8	36	2,040.43	12-1/4	1000	0
5-1/2	17	6,366.67	8-3/4	675	0

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8	6179.77	-

31. PERFORATION RECORD (Interval, size and number) 6284-6298', jet, 2 holes per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6284-6298	2500 gals 28% HCL and 8000 gals WF-30

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
Shut in	Flowing	Shut in					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8/27-29/80	35	18/64	→				1917:1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
895	1390	→	758	1453	-		

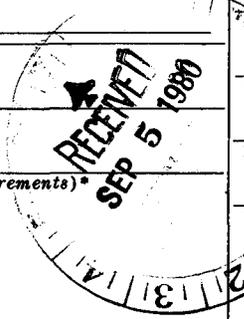
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented while testing TEST WITNESSED BY

35. LIST OF ATTACHMENTS
Logs as above, Well Completion to be sent at a later date.

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

SIGNED Thomas C. ... TITLE Director, Petroleum Engrg DATE 9-3-80

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



5. LEASE DESIGNATION AND SERIAL NO. ML - 27026
6. IF INDIAN, ALLOTTEE OR TRIBE NAME -
7. UNIT AGREEMENT NAME -
8. FARM OR LEASE NAME Bug
9. WELL NO. 4
10. FIELD AND POOL, OR WILDCAT Bug WILDCAT
11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA 16-36S-26E., SLB&M

12. COUNTY OR PARISH San Juan
13. STATE Utah

INSTRUCTIONS

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

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

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

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	MEAS. DEPTH
					TOP
					THRU VERT. DEPTH
				Log tops:	0'
				Morrison	1,085
				Entrada	1,224
				Carmel	
				Navajo	1,274
				Shinarump	2,666
				Honaker Trail	2,936
				Hermosa	4,624
				Paradox	5,324
				Upper Ismay	5,793
				Lower Upper Ismay	5,975
			Lower	Ismay Shale	6,033
				B Zone	6,173
				Desert Creek	6,227
				Lower Bench	
				Desert Creek	6,274
			Desert	Creek Porosity	6,283
				Base of Desert	6,300
				Creek Porosity	6,366
				Salt	

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

SUBMIT IN TRIPLICATE*
(See instructions on
reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Wexpro Company

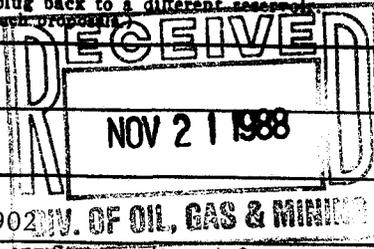
3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82902

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

NE SW, 1915' FSL, 1928' FWL

14. PERMIT NO.
43-037-30542

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
GR 6588.60'



5. LEASE DESIGNATION AND SERIAL NO.
ML-27026

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
--

7. UNIT AGREEMENT NAME
--

8. FARM OR LEASE NAME
Bug

9. WELL NO.
4

10. FIELD AND POOL, OR WILDCAT
Bug

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
16-36S-26E, SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input checked="" 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) <input type="checkbox"/>	(Other) <input type="checkbox"/>

(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.)*

Wexpro Company proposes to workover the Desert Creek with the following fracture treatment:

- 200 gallons Xylene
- 6000 gallons of D. C. Emulsion
- 2000 gallons of D. C. Emulsion 28% HCL acid
- 4000 gallons of D. C. Emulsion
- 2000 gallons of D. C. Emulsion 28% HCL acid
- 4000 gallons of D. C. Emulsion
- 2000 gallons of D. C. Emulsion 28% HCL acid
- 4000 gallons of D. C. Emulsion
- 2000 gallons of D. C. Emulsion 28% HCL acid
- 4000 gallons of D. C. Emulsion
- 2000 gallons of 28% HCL
- Flush acid with 200 barrels of D. C. Brine

The fracture treatment will be pumped at a maximum rate of 20 BPM at a maximum pressure of 4200 psi.

Following the acid treatment the well will be pumped to a rental tank with any casing head gas being vented. It is anticipated that approximately 100 MCFPD will be vented for approximately five days.

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

SIGNED [Signature] TITLE District Manager DATE 11/16/88

(This space for Federal or State office use)

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

DATE: 11-30-88

BY: [Signature]

*See Instructions on Reverse Side

See attachment.

CONDITIONS OF APPROVAL FOR WORKOVER OPERATIONS

Bug Well No. 4

Section 16, Township 36 South, Range 26 East

San Juan County

API No. 43-037-30542

November 30, 1988

1. The operator shall notify the Division of Oil, Gas and Mining at least 24 hours prior to the commencement of gas venting or flaring as proposed in the submitted sundry notice dated November 16, 1988.

OI3/17

Division of Oil, Gas and Mining
PHONE CONVERSATION DOCUMENTATION FORM

Route original/copy to:

Well File Bug #4

Suspense
(Return Date) _____
(To - Initials) _____

Other

(Location) Sec 16 Twp 36S Rng 26E
(API No.) 43-037-30542

1. Date of Phone Call: 12-16-88 Time: 2:45

2. DOGM Employee (name) Adlene Seltis (Initiated Call)
Talked to:
Name Kathy (Initiated Call) - Phone No. (307) 382-9791
of (Company/Organization) Wepper (Cooper, Wyo.)

3. Topic of Conversation: Reporting flaring as per workover approval of 11-30-88.

4. Highlights of Conversation: Flaring ^{request} was acknowledged per JRB (per AWP) Flaring will commence 12/17/88.

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

SUBMIT IN TRIPLICATE*
(See instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
DEC 29 1988

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML-27026
2. NAME OF OPERATOR Wexpro Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME --
3. ADDRESS OF OPERATOR P. O. Box 458, Rock Springs, Wyoming 82902		7. UNIT AGREEMENT NAME --
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NE SW, 1915' FSL, 1928' FWL		8. FARM OR LEASE NAME Bug
14. PERMIT NO. 43-037-30542		9. WELL NO. 4
15. ELEVATIONS (Show whether OF, RT, GR, etc.) GR 6588.60'		10. FIELD AND POOL, OR WILDCAT Bug
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 16-36S-26E, SLB&M
		12. COUNTY OR PARISH San Juan
		13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <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 checked="" 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) <input type="checkbox"/>	(Other) <input type="checkbox"/>

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

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

The Desert Creek formation was acid fractured on December 15, 1988. The acid fracture treatment consisted of:

1. 200 gallons of Xylene
2. 8,000 gallons of 70%-30% Emulsified 28% HCL
3. 15,890 gallons of K-1 fluid.
4. 2,000 gallons of 28% HCL.
5. 8,000 gallons of Brine.

The treatment was pumped at an average treating pressure of 4000 psi at 4 BPM.

Following the acid treatment, the well was pumped to a frac tank from 12/17-21/88. The associated gas was vented off the frac tank and is estimated at 60-80 MCFPD. The gas estimate is based on known GOR's for the well.

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

SIGNED H.K. Logan TITLE District Manager DATE 12-23-88

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY: _____

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

5. LEASE DESIGNATION AND SERIAL NO.

ML-27026

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Bug

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Bug

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

16-36S-26E, SLB&M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming

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

NE SW, 1915' FSL, 1928' FWL

14. PERMIT NO.

43-037-30542

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

KB 6601.90' GR 6588.60'

RECEIVED
APR 17 1989

DIVISION OF
OIL, GAS & MINING

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other) Venting

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

XX

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(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.)*

On April 13, 1989 Bug Battery B Compressor will be shut in for routine maintenance. It is anticipated the minor overhaul will be completed in two - three working days. While the compressor is down approximately 350 MCF/D will be vented to the atmosphere. The vented gas is produced from Bug Wells No. 4, 14 and 13. The volume of flared gas will be reported on the Monthly Report of Operations as required.

This procedure was approved by Mr. Bill Stringer of the BLM on April 12, 1989.

Work already performed - cannot approve

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

SIGNED

G. T. Nimmo

TITLE

District Manager

DATE

April 13, 1989

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

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

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL GAS WELL OTHER

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, WY 82902 307-382-0711

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
1915' FSL, 1928' FWL, NE SW, 16-36S-26E

14. PERMIT NO. 43-037-30542 *pow*

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
KB 6601.90' GR 6588.60'

5. LEASE DESIGNATION AND SERIAL NO.
ML-27026

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bug

9. WELL NO.
4

10. FIELD AND POOL, OR WILDCAT
Bug

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
16-36S-26E, SLB&M

12. COUNTY OR PARISH
San Juan

13. STATE
Utah

RECEIVED
OCT 03 1990
DIVISION OF OIL, GAS & MINING

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) <input type="checkbox"/>	
(Other) Flare Gas <input checked="" type="checkbox"/>			

(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.)

On October 2, 1990, Bug Battery B Compressor was shut-in for emergency overhaul. It is anticipated that the overhaul will be completed in seven days. While the compressor is down, approximately 214 MCFPD will be vented to the atmosphere. The vented gas is produced from Bug Wells No. 4, 13, 14, 15 and 16. The volume of flared gas will be reported on the Monthly Report of Operations.

This procedure was approved by Eric Jones of the Moab District Office.

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10/15/90
BY: [Signature]

OIL AND GAS	
DFN	RJF
JFB	GLH
DIS	2 SLS
3 SBH	
4 DME	
5	MICROFILM
6	FK E

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

SIGNED [Signature] TITLE District Manager DATE 10/02/90

(This space for Federal or State office use)

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0135
Expires: Nov. 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well <input checked="" type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SEE BELOW
2. Name of Operator WEXPRO COMPANY		6. If Indian, Allottee or Tribe Name NA
3a. Address P. O. BOX 458, ROCK SPRINGS, WYOMING 82902-0458	3b. Phone No. (include area code) 307-382-9791	7. If Unit or CA/Agreement, Name and/or No. BUG FIELD
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) SEE BELOW		8. Well Name and No. SEE BELOW
		9. API Well No. SEE BELOW
		10. Field and Pool, or Exploratory Area BUG FIELD
		11. County or Parish, State SAN JUAN COUNTY, UTAH

43-037-30542

12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other VARIANCE
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion is a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Wexpro Company is requesting a variance from Onshore Order No. 5, III.B.17 which requires meter calibrations on a quarterly basis. Wexpro Company is requesting that meter calibrations be performed on the following wells on a semi-annual basis:

Bug Well No. 4 NE SW 16-36S-26E San Juan County, Utah Lease No. M-27026 Meter Location 0371 API No. 43-037-30542 Produces 57 MCFPD	Bug Well No. 15 NE NE 17-36S-26E San Juan County, Utah Lease No. U-23161 Meter Location 2518 API No. 43-037-30606 Produces 85 MCFPD	Bug Well No. 16 NE SW 17-36S-26E San Juan County, Utah Lease No. U-23161 Meter Location 3743 API No. 43-037-30607 Produces 18 MCFPD
--	---	---

RECEIVED
JUL 18 2001
DIVISION OF
OIL, GAS AND MINING

CONTINUED ON PAGE TWO

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

Name (Printed/Typed) G. T. Nimmo	Title Operations Manager
Signature 	Date July 12, 2001

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 WEXPRO COMPANY

3a. Address
 P. O. BOX 458, ROCK SPRINGS, WYOMING 82902-0458

3b. Phone No. (include area code)
 307-382-9791

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 SEE BELOW

5. Lease Serial No.
 SEE BELOW

6. If Indian, Allottee or Tribe Name
 NA

7. If Unit or CA/Agreement, Name and/or No.
 BUG FIELD

8. Well Name and No.
 SEE BELOW

9. API Well No.
 SEE BELOW

10. Field and Pool, or Exploratory Area
 BUG FIELD

11. County or Parish, State
 SAN JUAN COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) 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"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other VARIANCE	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion is a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

- The request for variance is based on the following reasons:
- (1) Questar Gas Management takes delivery of the gas produced from the Bug B Battery located in the NW NW 16-36S-26E, through Meter Location 375 (Master Meter) which is the delivery and royalty point for the gas produced from the above wells.
 - (2) The well meters listed are for allocation purposes only.
 - (3) A change from quarterly to semi-annual meter calibrations would be more cost effective for Wexpro due to the low gas production.
 - (4) Conducting meter calibrations on a semi-annual basis would not have a negative impact on royalties or royalty payments.

Accepted by the
Utah Division of
Oil, Gas and Mining

Date: 7/23/01
 By: D. R. Duff

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR
 FIELD: 17-23-01
 OFFICE: CHD

RECEIVED

JUL 18 2001

DIVISION OF
OIL, GAS AND 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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Bug Field</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: Multiple
2. NAME OF OPERATOR: Wexpro Company N 1070		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: PO Box 45601 CITY <u>Salt Lake City</u> STATE <u>UT</u> ZIP <u>84145</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY:		8. WELL NAME and NUMBER: Bug Field (Multiple Wells)
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 36S 26E		9. API NUMBER: Multiple
		10. FIELD AND POOL, OR WILDCAT: Desert Creek / Ismay
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<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"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 type="checkbox"/> OTHER: _____
	<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 conversation w/ Earlene Russell. Effective 08/01/2005, Synergy Operating, LLC (N2795) has taken over the operator responsibility of the following wells.

- Bug # 4 (43-037-30542) - State of Utah Lease ML-27026
- Bug # 8 (43-037-30589) - BLM Lease U-43653
- Bug # 13 (43-037-30610) - BLM Lease U-23161
- Bug # 14 (43-037-30605) - BLM Lease U-23161
- Bug # 15 (43-037-30606) - BLM Lease U-23161
- Bug # 16 (43-037-30607) - BLM Lease U-23161
- Bug # 17 (43-037-30793) - State of Utah Lease ML-27026
- Bug # 12 (SWD) - (43-037-30595) - Fee Lease
- Bug "B" Battery
- Bug "C" Battery
- Bug Compressor

no impact at DOGM (ERussell)

A copy of this document will also be submitted to the State of Utah directly from Synergy Operating, LLC's office.

NAME (PLEASE PRINT) James R. Livsey TITLE Vice President
SIGNATURE *James R. Livsey* DATE February 6, 2006

(This space for State use only)

APPROVED 2128106
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

RECEIVED
FEB 10 2006

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 checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <u>Bug Field</u>		5. LEASE DESIGNATION AND SERIAL NUMBER: Multiple
2. NAME OF OPERATOR: Synergy Operating, LLC N2795		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: PO Box 5513 CITY <u>Farmington</u> STATE <u>NM</u> ZIP <u>87499</u>		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: COUNTY:		8. WELL NAME and NUMBER: Bug Field (Multiple Wells)
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: 36S 26E STATE: UTAH		9. API NUMBER: Multiple
		10. FIELD AND POOL, OR WILDCAT: Desert Creek / Ismay

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<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"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input checked="" 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 checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<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 type="checkbox"/> OTHER: _____
	<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.

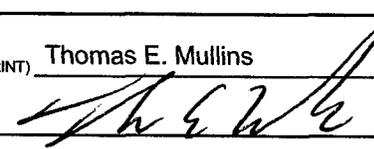
Per conversation w/ Earlene Russell. Effective 08/01/2005, Synergy Operating, LLC (N2795) has taken over the operator responsibility of the following wells.

- Bug # 4 (43-037-30542) - State of Utah Lease ML-27026
- Bug # 8 (43-037-30589) - BLM Lease U-43653
- Bug # 13 (43-037-30610) - BLM Lease U-23161
- Bug # 14 (43-037-30605) - BLM Lease U-23161
- Bug # 15 (43-037-30606) - BLM Lease U-23161
- Bug # 16 (43-037-30607) - BLM Lease U-23161
- Bug # 17 (43-037-30793) - State of Utah Lease ML-27026
- Bug # 12 (SWD) - (43-037-30595) - Fee Lease
- Bug "B" Battery
- Bug "C" Battery
- Bug Compressor

BLM UT-924

no impact at DOGM (Erussell)

A copy of this document will also be submitted to the State of Utah directly from Wexpro/QEP's office.

NAME (PLEASE PRINT) <u>Thomas E. Mullins</u>	TITLE <u>Engineering Manager</u>
SIGNATURE 	DATE <u>1-31-2006</u>

(This space for State use only)

APPROVED 2/28/06
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000)

(See Instructions on Reverse Side)

RECEIVED
FEB 10 2006

DIV. OF OIL, GAS & MINING

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM not yet BIA n/a

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: n/a

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 2/15/2006

DATA ENTRY:

1. Changes entered in the Oil and Gas Database on: 2/28/2006
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 2/28/2006
3. Bond information entered in RBDMS on: 2/28/2006
4. Fee/State wells attached to bond in RBDMS on: 2/28/2006
5. Injection Projects to new operator in RBDMS on: n/a
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: UT0924

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: n/a

FEE & STATE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The NEW operator of any fee well(s) listed covered by Bond Number BOK06SDP01525

2. The FORMER operator has requested a release of liability from their bond on: **
The Division sent response by letter on: **Joint bond with QEP, & QEP Uinta Basin

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The FORMER operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS: