Form OGC-1a

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

5. Lease Designation and Serial No.
U-39254

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

6. If Indian, Allottee or Tribe Name
--

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

7. Unit Agreement Name
None

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

8. Farm or Lease Name
Bug

2. Name of Operator
Wexpro Company

9. Well No.
6

3. Address of Operator
P.O. Box 1129, Rock Springs, Wyo. 82901

10. Field and Pool, or Wildcat
~~Wildcat~~ Bug Field

4. Location of Well (Report location clearly and in accordance with any State requirements.*)
At surface
NE 1/4 SE 1/4 2258' FSL, 783' FEL

11. Sec., T., R., M., or Blk. and Survey or Area
S.7, T.36S., R.26E.

At proposed prod. zone
--

14. Distance in miles and direction from nearest town or post office*
15 miles southwest of Dove Creek, Colorado

12. County or Parrish San Juan 13. State Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any) 783' FEL, 2,258' FSL

16. No. of acres in lease 974.33 acres

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. May Bug. 2 6384', NE SW S.7,T.36S., R.26E.

19. Proposed depth 6,065' Desert Creek

20. Rotary or cable tools
Rotary

21. Elevations (Show whether DF, RT, GR, etc.)
GR 6275'; KB 6285'

22. Approx. date work will start*
Upon Approval

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#	1675'	900 Sks. Reg. "G" Cement, w/3%CaCl
8-3/4"	5-1/2"	17#	6065'	To be determined from caliper logs

Wexpro Company proposes to drill the subject well to a total depth of 6,065 feet.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING
DATE: 7-8-80
BY: M.J. Minder

RECEIVED
JUN 20 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.

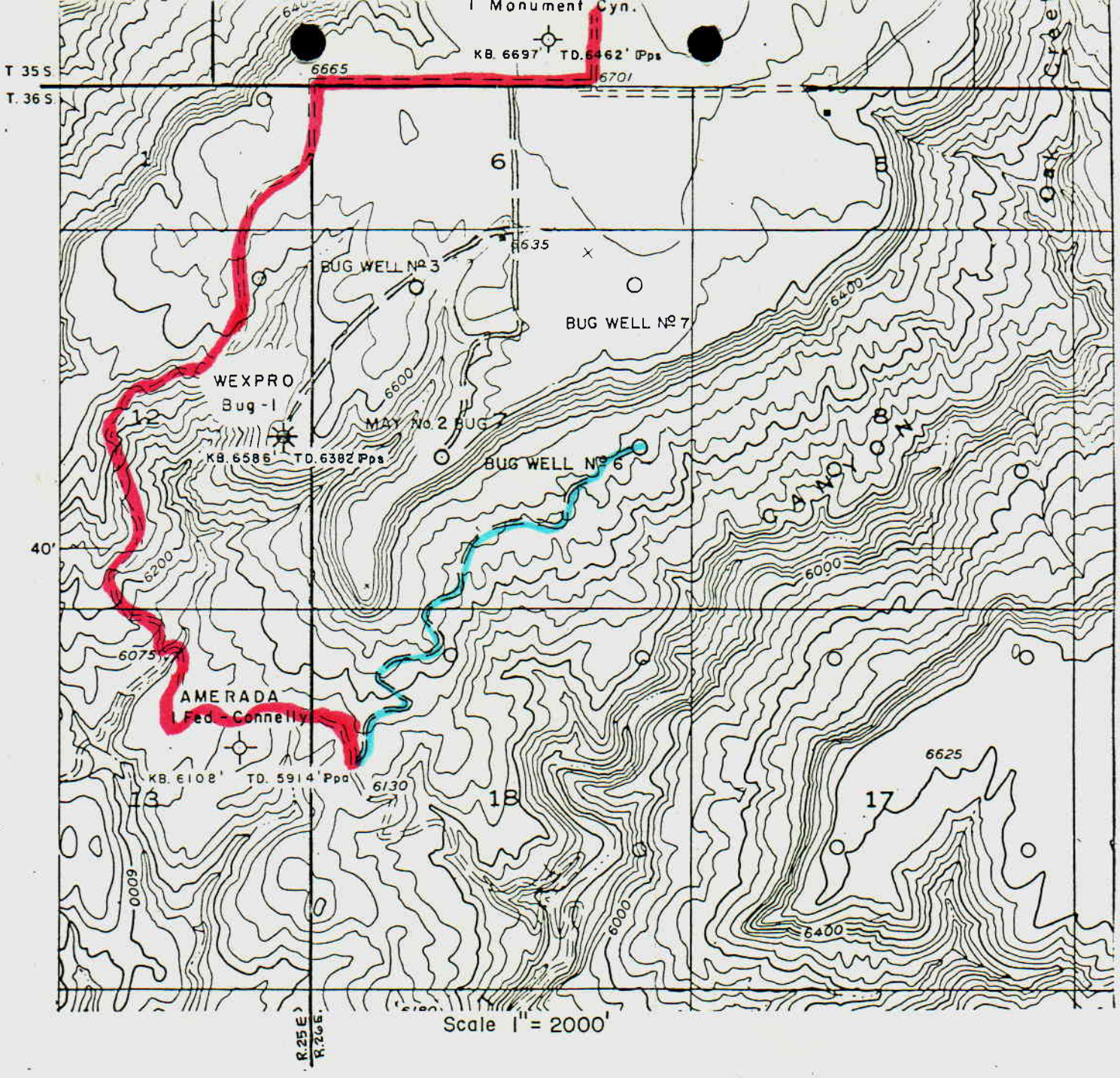
24.
Signed Lex W. Hendel Title Div. Engr. Date 6/10/80

(This space for Federal or State office use)

Permit No. 43-037-30573 Approval Date 7/8/80

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

*See Instructions On Reverse Side



NOTE:
ACCESS ROAD WILL APPROVED UNDER THE LEASE AGREEMENT.

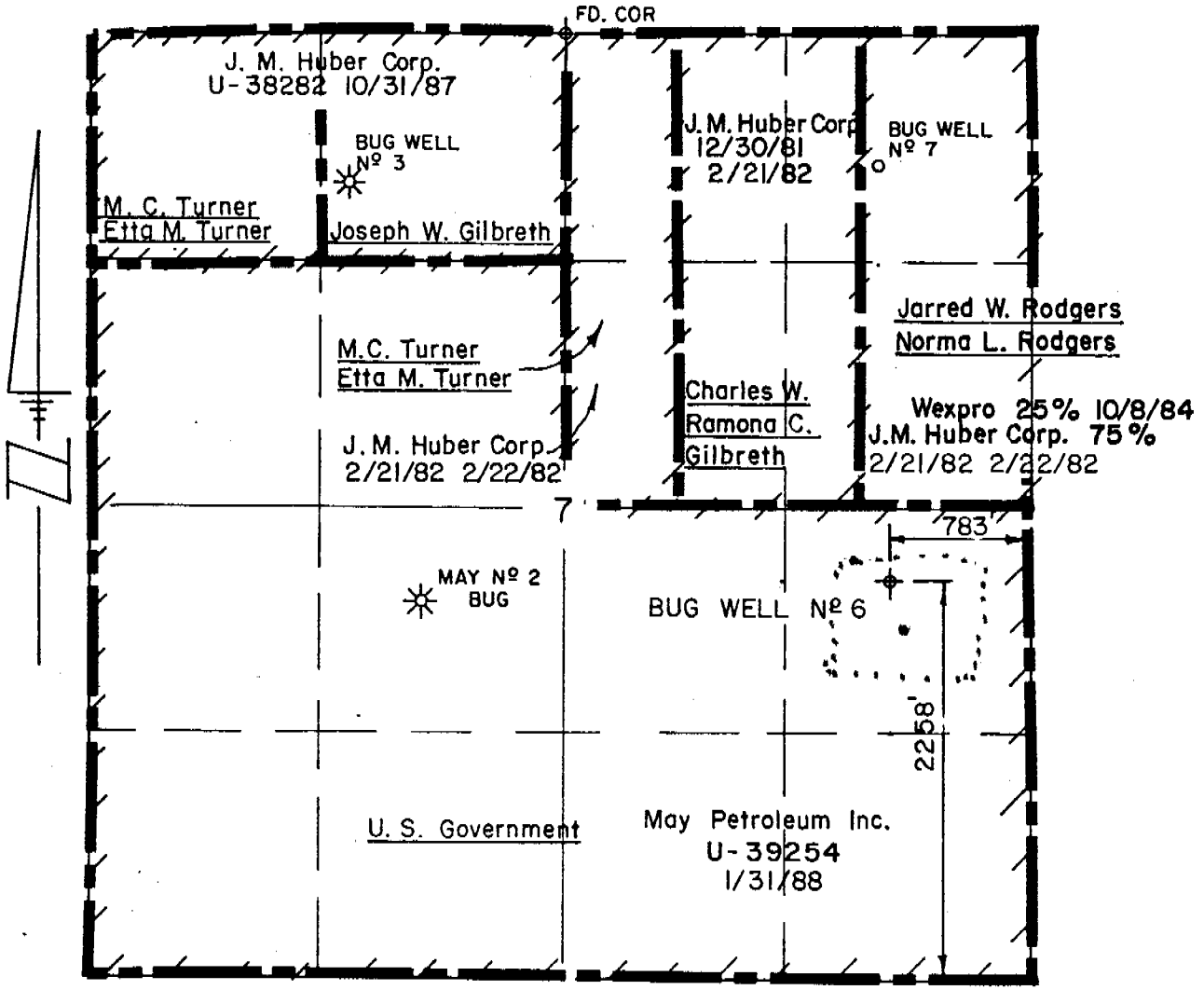
AREA MAP
BUG WELL Nº 6

6/6/80 C.R.W.

FILE A-11

M-15366

T. 36S., R. 26E., S.L.B. & M.
San Juan County, Utah



LOCATION PLAN
SCALE 1" = 1000

Surface
Mineral

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge.

Daniel T. Mates
ENGINEER
Daniel T. Mates Utah Registration L.S. Nº 5035

LEGEND
- ℄ Well
- Stone Corner
- Pipe Corner

ENGINEERING RECORD	
SURVEYED BY	M.J.L. 5/27/80
REFERENCES	G.L.O. PLAT ☐ U.S.G.S. QUAD. MAP ☒
LOCATION DATA	
FIELD	Bug
LOCATION: NE 1/4, SE 1/4, Sec. 7, T. 36S., R. 26E., S.L.B. & M. 2258' FSL, 783' FEL	
San Juan County, Utah	
WELL ELEVATION: 6263 "As graded" from U.S.G.S. Datum	

WEXPRO COMPANY

CERTIFIED WELL LOCATION
AND
WELL SITE PLAN

BUG WELL Nº 6

DRAWN: 6/6/80 C.R.W.	SCALE: 1" = 1000	
CHECKED: DTM	DRWG. NO. M-15363	1/4
APPROVED: RWH		

FILE NO. SHEET 1 OF 4

WEXPRO COMPANY
BUG WELL NO. 6
LEASE NO.: U-39254
NE 1/4 SE 1/4 SECTION 7, 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	720'
Carmel	865'
Navajo	915'
Chinle	1605'
Shinarump	2325'
Cutler	2595'
Honaker Trail	4335'
Paradox	5005'
Upper Ismay	5495'
Lower-Upper Ismay	5660'
Lower Ismay Shale	5730'
Lower Ismay Porosity	5845'
"B" Zone	5865'
Desert Creek	5915'
Lower Zone	5965'
Producing Porosity Zone	5970'
Salt	6065'
Total Depth:	6065'

Objective Reservoir: Lower-Upper Ismay 5660'
Desert Creek Porosity 5970'

Other Possible Producing Zones: Lower Ismay Porosity 5845'

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 5660' and Desert Creek Porosity 5970'). Also the Lower Ismay Porosity, 5845' may be productive.
C. No mineral bearing formations anticipated.

4. Casing Program:

Proposed	Footage	Size	Grade	Weight	Condition	Thread
Surface	1675'	9-5/8"	K55	36#	New	8rd ST&C
Production	6065'	5-1/2"	K55	17#	New	8rd LT&C

Cement Program: Surface: 900 sacks of regular type "G" cement treated with 3% Dowell D-43A or 2% 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 1605'. 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 11.7 ppg before drilling into the Desert Creek zone at 5915'.

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

   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. Full opening Shafer floor valve manually operated.

8. Four drill stem tests:

   1. Cutler 4000'
   2. Lower-Upper Ismay 5660'
   3. Lower Ismay Porosity 5845'
   4. Desert Creek Porosity 5970'

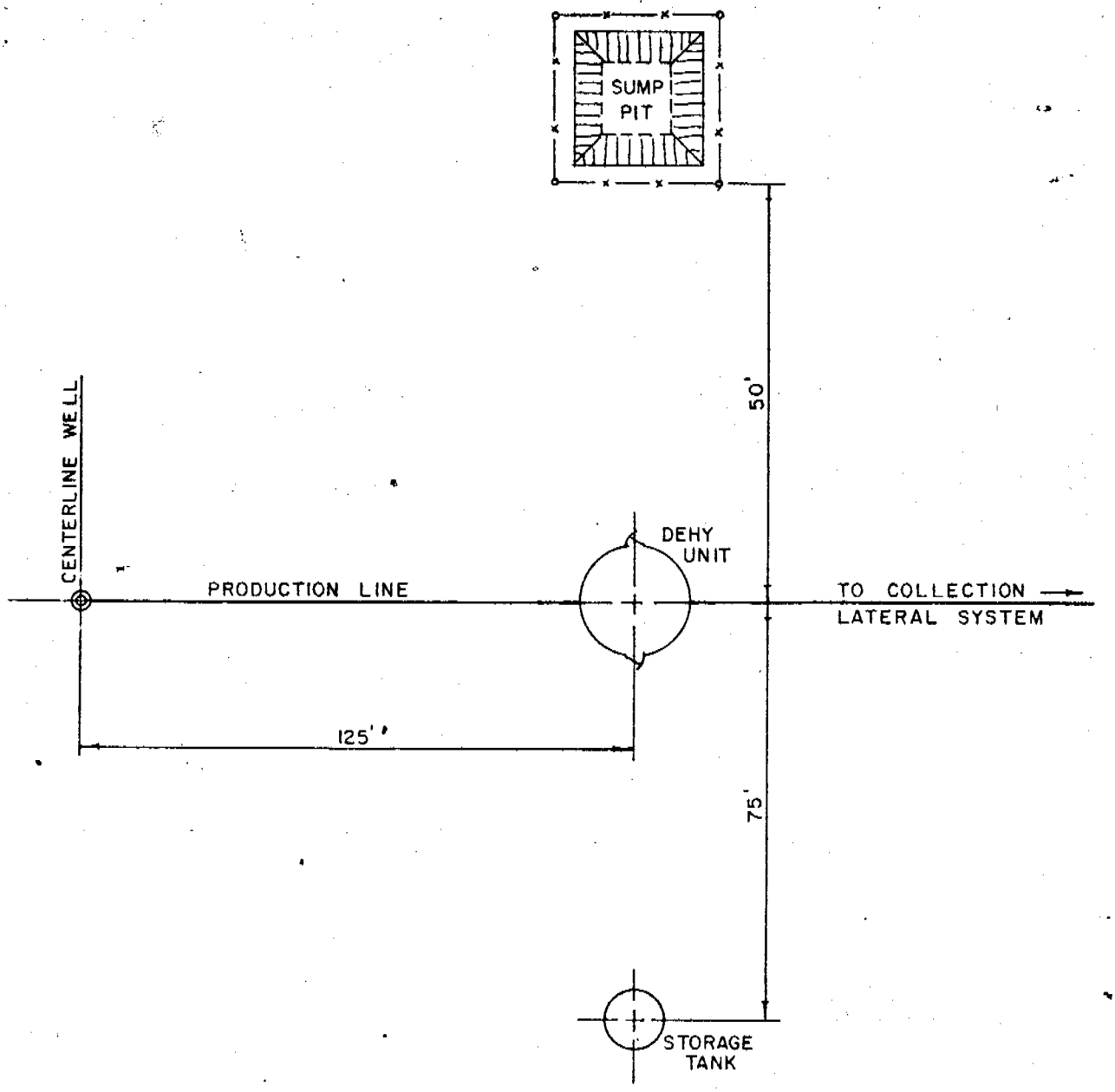
   During drill stem testing or when a completion rig is completing a well, some flaring of natural gases or produced gases will be necessary.

   Mechanical Logs:
   1. Dual Induction Laterolog below surface casing to total depth.
   2. Sidewall Neutron 4100' to total depth, Gamma Ray surface to total depth, Caliper below casing to total depth.
   3. Continuous Dipmeter 4100' to total depth.

   Coring: 60 feet, Desert Creek, 5965'.

9. No abnormal temperatures or Hydrogen Sulfide is anticipated. No abnormal pressures anticipated except the Lower Desert Creek zone at 5970'. The pressure will be controlled with a mud weight of 11.7 ppg before drilling into the Desert Creek zone. Bottom hole temperatures in nearby wells are 125°F.

10. The anticipated spud date is upon U.S.G.S. and State of Utah approval. Duration of drilling will be approximately 15 days, with 2 days completion.



REVISIONS			
NO.	DESCRIPTION	DATE	BY

MOUNTAIN FUEL
SUPPLY COMPANY
ROCK SPRINGS, WYOMING

TYPICAL PRODUCTION FACILITIES LAYOUT
FOR
BUG WELL Nº 6

DRAWN: 7/9/76 FJC
SCALE: NONE
CHECKED:
APPROVED:
DRWG. NO. M-12205

FILE NO. A-8 SHEET OF

DEVELOPMENT PLAN FOR U.S.G.S. APPROVAL OF SURFACE USE
WEXPRO DRILLING WELLS

Well Name: Bug Well No. 6

Field or Area: San Juan County, Utah

1. Existing Roads:
A) Proposed well site as staked: Refer to well location plat no. M- 15363, well pad layout map no. M- 15364and area map no. M-15366 for location of well, access road, cuts and fills, directional reference stakes, etc.

B) Route and distance from nearest town or locatable reference point to where well access route leaves main road: Refer to area map no. M-15366 From the well to Dove Creek, Colorado is 15 miles.

C) Access road to location: Refer to area map no. M-15366 for access road. (Color coded red for existing road and blue for road to be constructed.

D) If exploratory well, all existing roads within a 3-mile radius of well site: Not an exploratory well.

E) If development well, all existing roads within a 1-mile radius: Refer to area map M-15366

F) Plans for improvement and/or maintenance of existing roads: Refer to area map M-15366

2. Planned Access Road:
A) Width - 16' wide from shoulder to shoulder.

B) Maximum grade - The maximum grade on the road is 8 percent.

C) Turnouts - No turnouts will be constructed.

D) Drainage design - A drainage ditch on the uphill side of the road will be constructed. It will be a minimum of one foot below the surface of the road. No water diversion ditches are anticipated.

E) Location and size of culverts and description of major cuts and fills -
1) Culverts will be placed as necessary on the access road to allow for adequate drainage.

2) Some cuts and fills may be necessary to construct the access roads over the rough terrain.

F) Surfacing material - None anticipated.

G) Necessary gates, cattle guards or fence cuts - None necessary.

H) New or reconstructed roads - The new road to be constructed is center line flagged.

3. Location of Existing Wells - Refer to area map no. M- 15366
A) Water wells - None presently existing in the area.
Bug Well No. 3 is being considered for use as a water well, located in the NW 1/4 of Section 7, T.36S., R.26E..

B) Abandoned wells - Amerada-Hess Corp. Connelly Federal Well No. 1 located in Section 13, T.36S., R.25E., is a dry hole and Bug Well No. 3 located in Section 7, T.36S., R.25E., is a dry hole.

C) Temporarily abandoned wells - None within the area.

D) Disposal wells - None within the area.

E) Drilling wells - Bug Well No. 4 in Section 16, T.36S., R.26E., is drilling.

F) Producing wells - Bug Well No. 1 in Section 12, T.36S., R.25E., and Bug Well No. 2 in Section 7, T.36S., R.26E. are production wells but are not tied in to the system as yet.

G) Shut-in wells - None within the area.

H) Injection wells - None within the area.

I) Monitoring or observation wells for other resources - None within the area.

4. Location of Existing and/or Proposed Facilities - Refer to area map no. M- 12205

A) 1) Tank Batteries - None within a 3 mile radius.

2) Production Facilities - None within a 3 mile radius.

3) Oil Gathering Lines - None within a 3 mile radius.

4) Gas Gathering Lines - None within a 3 mile radius.

5) Injection Lines - None within the area.

6) Disposal Lines - None within the area.

B) 1) Proposed location and attendent lines by flagging if off the well pad - Any production line to produce this well will require an extensive amount of research and engineering to determine the most suitable route. It is beyond the scope of this application to handle the pipeline right-of-way, but the B.L.M. will be consulted before any formal right-of-way application is filed.

2) Dimensions of facilities - Refer to drawing M-15364.

3) Construction methods and materials - The on-location pipelines will be buried approximately 30". If the well is productive, a central processing site will be established to handle production from this well and any other wells found productive in this area. Maps will be enclosed to show production layout when the pipelines are being filed for.

4) Protective measures and devices to protect livestock and wildlife - All sump pits will be fenced. The fence shall be woven wire at least 48-inches high and within 4-inches of the ground. If oil is in the sump pit, the pit will be overhead flagged to keep birds out.

C) Plans for rehabilitation of disturbed area no longer needed for operations after construction is completed - Areas of none use will be restored and reseeded as recommended by the B.L.M.

5. Location and Type of Water Supply -
A) Location of Water - The Roy Gilbreth water pond in Section 5, T.36S., R.26E.

B) Method of Transporting Water - .To be hauled by 100 bbl. tank truck over existing access roads.

C) Water Well to be Drilled on Lease - None to be drilled.

6. Source of Construction Material - None anticipated.
A) Information - None.

B) Identify if from Federal or Indian land - None.

C) Where materials are to be obtained and used - None.

D) Access roads crossing Federal or Indian lands - None.

7. Method for Handling Waste Disposal -
A-D) Cuttings and drilling fluids will be placed in the mud pit. Any produced liquids will be placed in test tanks and hauled out by tank trucks. A chemical toilet will be installed on the well pad. The mud pit shall be constructed with at least 1/2 of its holding capacity below ground level. It shall be fenced as described in Section 10-A.

E) Garbage and other waste material will be placed in the burn pit and covered over with wire mesh to contain the garbage.

F) After drilling operations have been completed, the location will be cleared of litter, and the trash will be burned in the burn pit. The burn pit will be covered over. The mud pit liquids will be allowed to evaporate. Any fill material on the mud pit will be compacted with heavy equipment.

8. Ancillary Facilities - No camps or airstrips exist now, and Wexpro Company has no plans to build them.

9. Well Site Layout - Refer to drawing no. M- 15364
1) Refer to drawing no. M-15365 for cross section of drill pad and mud pit with cuts and fills.

2, 3) Refer to the location plat for location of mud tanks, reserve pit, burn pit, pipe racks, living facilities, soil material stockpile, rig orientation, parking areas and access roads.

4) The mud pit is to be unlined.

10. Plans for Restoration of Surface -
A) After drilling operations, the well site will be cleared and cleaned and the burn pit filled in. Should the well be a dry hole, the surface will be restored to the extent that it will blend in with the landscape. Prior to the onset of drilling, the mud pit shall be fenced on three sides. Immediately upon completion of drilling, the fourth side of the pit will be fenced. The fence will be maintained until restoration.

B) Revegetation and rehabilitation of the location and access road will be done to comply with Bureau of Land Management recommendations.

C) Prior to rig release, pits will be fenced and so maintained until clean up. The trash pit will be dug so when filled, the depth will be at least three-feet below the finished contour of the location.

D) If oil is in the mud pit, overhead flagging will be installed to keep birds out.

E) Clean up will begin within two months after drilling operations have been completed and the land will be restored at this time.

11. Other Information -

A) The location is on a bench cedar point and the bottom of Monument Canyon. The soil is sandy and large boulders are scattered through the area. Thick cedar trees and various wild grasses cover the area.

B) The access road and the location are on Federal lands.

C) Monument Creek flows approximately 1/2 mile to the southeast of the location. No known archaeological, historical or cultural sites exist in the proposed area or disturbance to my knowledge.

12. Lessee's or Operator's Representative -

A. J. Maser, Drilling Superintendent, P. O. Box 1129, Rock Springs, Wyoming 82901, Telephone No. 307-362-5611.

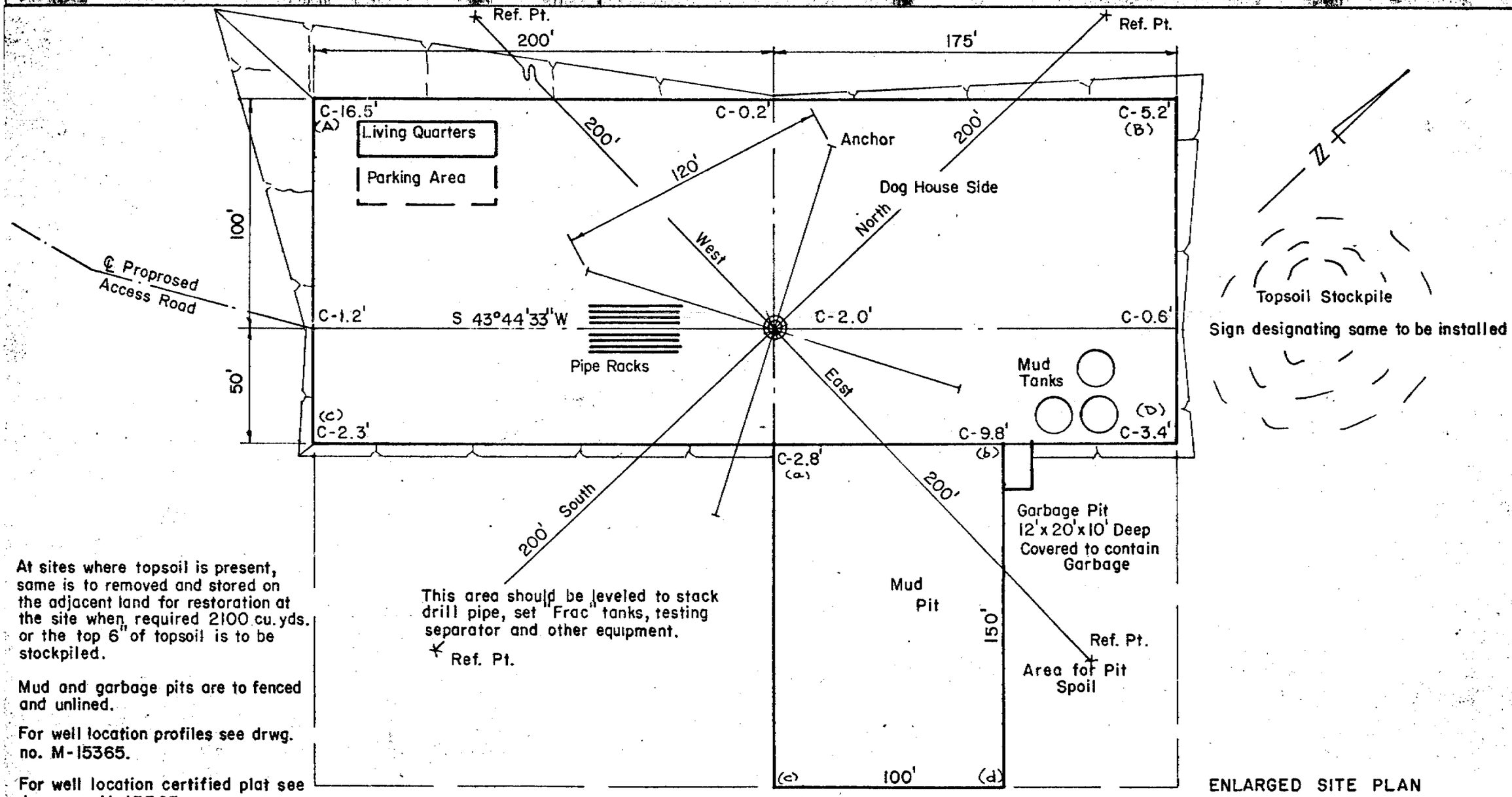
13. Certification -

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein will be performed by Wexpro Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date 6/18/80

Name Lee Martin

Title Drilling Superintendent



At sites where topsoil is present, same is to removed and stored on the adjacent land for restoration at the site when required 2100 cu. yds. or the top 6" of topsoil is to be stockpiled.

Mud and garbage pits are to fenced and unlined.

For well location profiles see drwg. no. M-15365.

For well location certified plat see drwg. no. M-15363

For area map see drwg. no. M-15366

Area for well location is 2.58 acres.

Cuts are at 2:0, Fills are at 2:1.

Scale 1" = 50'

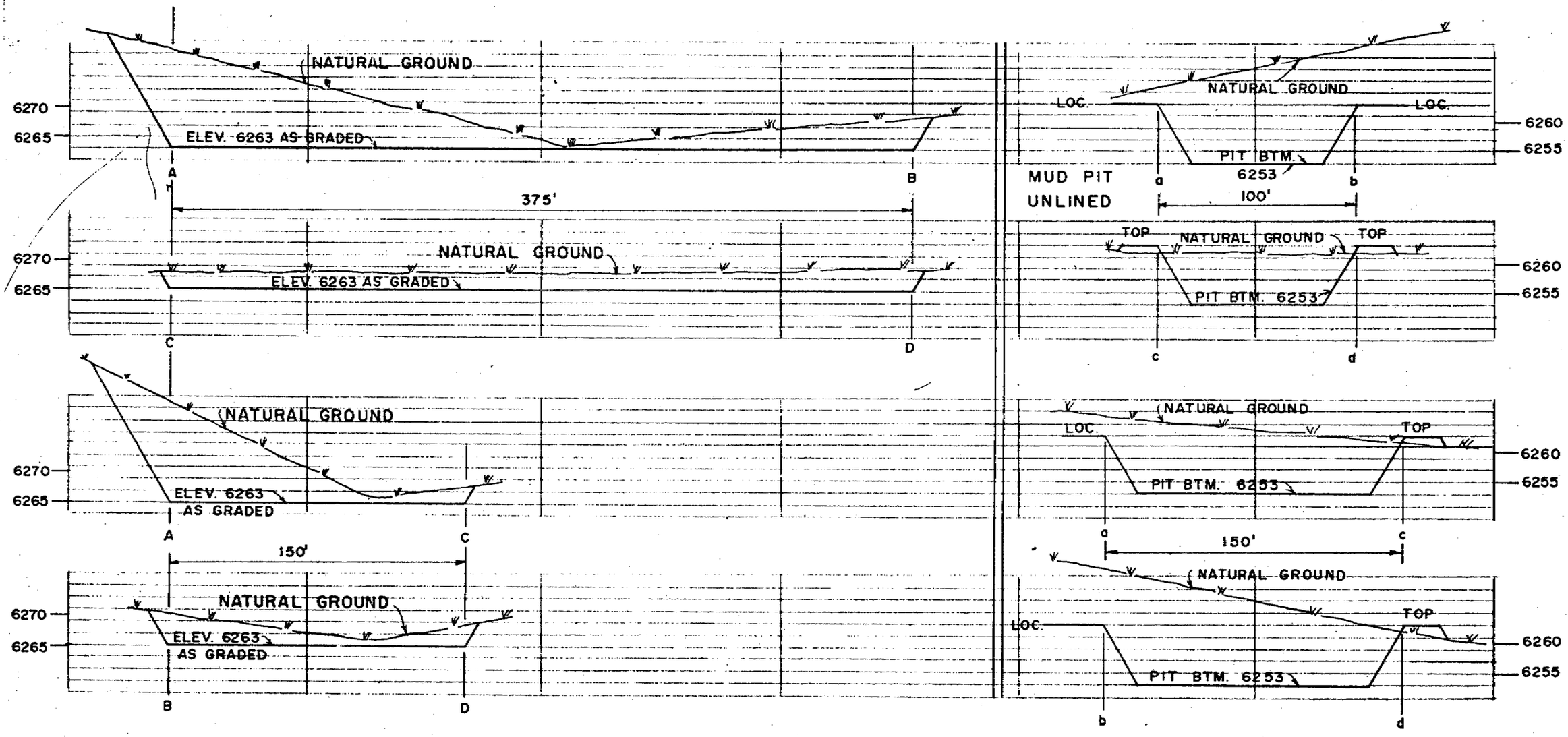
ENLARGED SITE PLAN

BUG WELL Nº 6

6/5/80 CRW

FILE A-11

M-15364



PROFILE SECTION PROFILE GRADE LOCATION

SCALE:

HORIZ. 1" = 60' CUTS 1:1

VERT. 1" = 20' FILLS 2:1

PROFILE SECTIONS

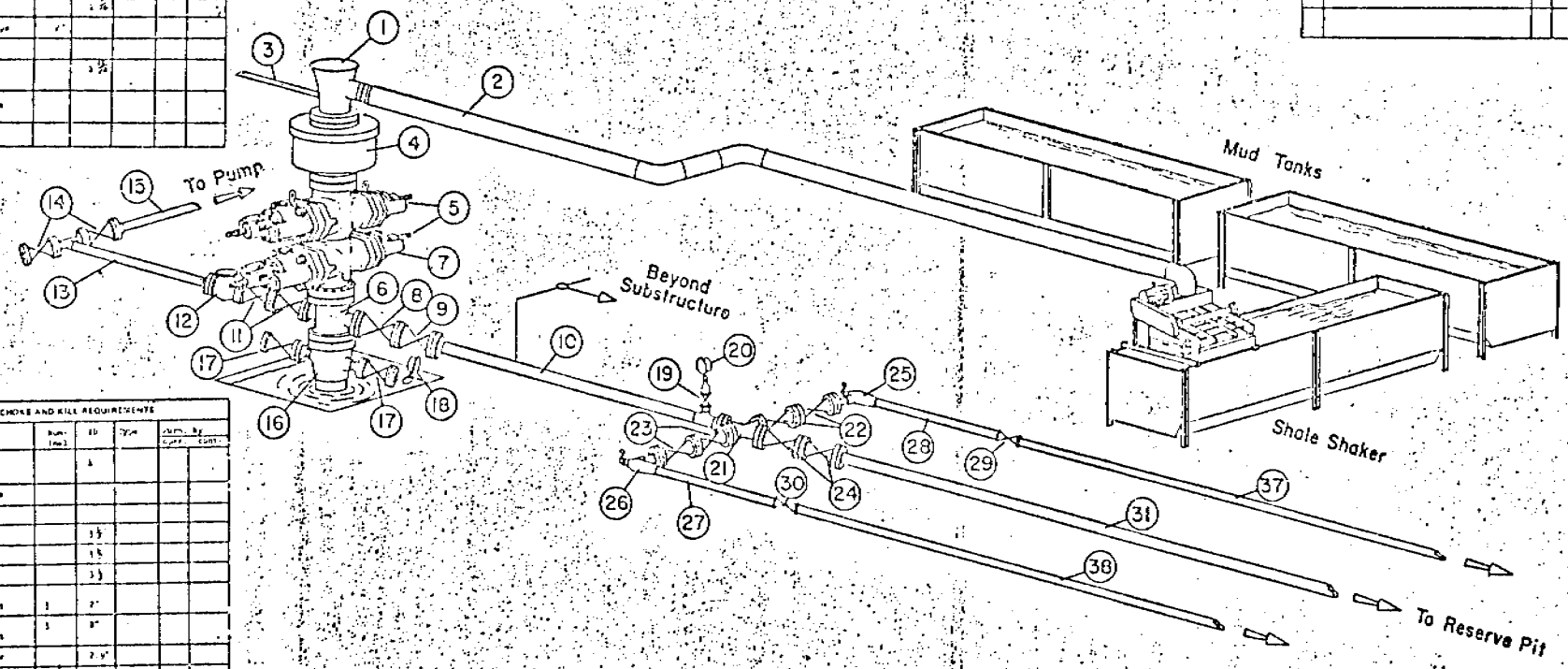
BUG WELL Nº 6

6/6/80 L.M.S.

M-15365

MOUNTAIN FUEL SUPPLY COMPANY

3000 psi BLOWOUT PREVENTION EQUIPMENT



CHECKLIST 3000psi EQUIPMENT

Well _____ _____ Casing

Contractor and operator to furnish items checked (x)

	STANDARD STACK REQUIREMENTS					
No	Item	Nom. Diam	ID	Type	Pressure Rating	Of Valves
1	Drilling Nipple					
2	Flowline					
3	Fill up line	2"				
4	Annular Preventer			Hydril Cameron Shaffer		
5	Pipe ringle or one dual ram, open, close			U. S. F.		
6	Drilling spool with 2" and 3" outlets			Forged		
7	An alternate to (6) Pipe and fill lines from outlets to tank row					
8	Valve Gate		3 1/8			
9	Valve-Hydraulically operated gate		3 1/8			
10	Choke line		2"			
11	Gate valves		2 1/16			
12	Check valve		2 1/16			
13	Kill line	2"				
14	Valves-Gate		2 1/16			
15	Kill line to Pumps	2"				
16	Casing Head					
17	Valves Gate ___ Plug ___		3 1/8			
18	Compound Pressure Gauge					
	Wear Bushing					

	STANDARD CHOKE AND KILL REQUIREMENTS					
No	Item	Nom. Diam	ID	Type	Pressure Rating	Of Valves
19	Valve Gate ___ Plug ___		3			
20	Compound Pressure					
21	Cross 3"x3"					
22	Valve Gate		3 1/8			
23	Valve Gate		3 1/8			
24	Valve Gate		3 1/8			
25	Choke line X-Y or equivalent	3	2"			
26	Choke line X-Z or equivalent	3	2"			
27	Line to Separator		2.5"			
28	Line to Separator		2.5"			
29	Valve Gate		3 1/8			
30	Reserve Gate		3 1/8			
31	Line to Res. Pit		2.5"			
37	Line to Pit		2.5"			
38	Line to Res. Pit		2.5"			

SPECIAL CHOKE AND KILL REQUIREMENTS

SPECIAL STACK REQUIREMENTS

** FILE NOTATIONS **

DATE: June 23, 1980

OPERATOR: Wexpro Company

WELL NO: Bug #6

Location: Sec. 7 T. 36S R. 26E County: San Juan

File Prepared: ✓ Entered on N.I.D: ✓ on FR

Card Indexed: ✓ Completion Sheet: ✓

API Number 43-037-30573

CHECKED BY:

Petroleum Engineer: M.J. Minder 7-8-80
To close to N. line, will request topographic exception
(per call R. Pittum 7-1-80)

Director:

Administrative Aide: ~~X per spacing order~~

APPROVAL LETTER:

Bond Required: Survey Plat Required:

Order No. 186-1 2/27/80 O.K. Rule C-3

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

#3 Lease Designation Fed Plotted on Map ✓

Approval Letter Written ✓ ltm

Hot Line ✓ P.I. ✓

WEXPRO COMPANY

1540 BENEFICIAL LIFE TOWER · P.O. BOX 11070 · SALT LAKE CITY, UTAH 84147 · 801 364-0740

Reply to: P.O. Box 1129
Rock Springs, Wyo. 82901
307-362-5611

RWH:428

July 1, 1980

State Oil & Gas Conservation Commission
1588 West North Temple
Salt Lake City, Utah 84116

Attention: Mike Minder

Dear Mike:

We would like to request a spacing exception be made for the drilling of Bug Well No. 6, because of topographic reasons.

The original location was on a steep, rocky slope and was near a major drainage wash. Therefore, the drilling location of Bug Well No. 6 was moved to the NE 1/4 SE 1/4 of Section 7, T.36S., R.26E., San Juan County, Utah.

If you have any questions regarding the above mentioned, please contact me at the above telephone number, Extension 280.

Sincerely,

R. W. Headd,
Division Engineer

RWH/bj

RECEIVED
JUL 03 1980
DIVISION OF
OIL, GAS & MINING

July 9, 1980

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

Re: Well No. Bug #6
Sec. 7, T. 36S, R. 26E.,
San Juan County, Utah

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

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

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

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) 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 43-037-30573.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder
Petroleum Engineer

/btm

cc: USGS

FLUID SAMPLE DATA

Date	3-7-81	Ticket Number	894714
Kind of D.S.T.	OPEN HOLE	Halliburton Location	FARMINGTON
Tester	GLEN FREIDLINE	Witness	MIKE SLIGER
Drilling Contractor	DELL GUNN ALL WESTERN # III		bj

Sampler Pressure ____ P.S.I.G. at Surface

Recovery: Cu. Ft. Gas ____
cc. Oil ____
cc. Water ____
cc. Mud 2050
Tot. Liquid cc. 2050

Gravity ____ ° API @ ____ °F.

Gas/Oil Ratio ____ cu. ft./bbl.

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	____ @ ____ °F.		____ ppm
Recovery Mud	.70 @ 72 °F.		8500 ppm
Recovery Mud Filtrate	____ @ ____ °F.		____ ppm
Mud Pit Sample	.79 @ 75 °F.		7000 ppm
Mud Pit Sample Filtrate	____ @ ____ °F.		____ ppm

Mud Weight 8.4 vis 37 sec.

EQUIPMENT & HOLE DATA

Formation Tested	Hunaker Trail		
Elevation	6300' KB		Ft.
Net Productive Interval	6'		Ft.
All Depths Measured From	Kelly Bushing		
Total Depth	4630'		Ft.
Main Hole/Casing Size	7 7/8"		
Drill Collar Length	433'	I.D. 2.25"	
Drill Pipe Length	4088'	I.D. 3.826"	
Packer Depth(s)	4551'	4557'	Ft.
Depth Tester Valve	4530'		Ft.

Cushion TYPE ____ AMOUNT ____ Ft. Depth Back Pres. Valve ____ Surface Choke 1/4" Bottom Choke 3/4"

Recovered 343 Feet of mud.

Recovered ____ Feet of ____

Recovered ____ Feet of ____

Recovered ____ Feet of ____

Recovered ____ Feet of ____

Mea. From Tester Valve

MAR 20 ...

DIVISION OF OIL, GAS & MINING

Remarks SEE PRODUCTION TEST DATA SHEET....UNABLE TO PERFORM CALCULATIONS DUE TO LACK OF HYDROCARBON PRODUCTION AND INSUFFICIENT DEVELOPMENT OF CLOSED IN PRESSURE CURVE....

TEMPERATURE	Gauge No. 2033 Depth: 4536' Ft.	Gauge No. 2032 Depth: 4627' Ft.	Gauge No. Depth: Ft.	TIME (00:00-24:00 hrs.)
Est. 136 °F.	24 Hour Clock	24 Hour Clock	Hour Clock	Tool Opened 0642
	Blanked Off NO	Blanked Off YES	Blanked Off	Opened Bypass 1112
Actual °F.	Pressures	Pressures	Pressures	

		Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic		2001	2050.9	2092	2094.4			—	—
First Period	Flow Initial	120	122.6	159.2	165.7			30	
	Flow Final	120	122.6	172.5	167.1			60	
	Closed in	253	262.6	305.0	305.0			—	—
Second Period	Flow Initial	133	134.6	172.5	177.7			60	
	Flow Final	133	134.6	172.5	177.7			120	
	Closed in	213	243.9	292	286.4			—	—
Third Period	Flow Initial								
	Flow Final								
	Closed in								
Final Hydrostatic		2001	2036.1	2078.5	2081.1			—	—

Legal Location Sec. - Twp. - Rng.: 7 36S 26E

Lease Name: BUG

Well No.: 6

Test No.: 1

Field Area: BUG

Tested Interval: 4557' to 4630'

County: SAN JUAN

State: UTAH

Lease Owner/Company Name: WEXPRO COMPANY

FORM 181—R2 — PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S

Casing perfs. _____ Bottom choke 3/4" Surf. temp _____ °F Ticket No. 894714
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
3-7-81					
0030					On location.
0100					Picked up tools.
0245					Went in hole with tools.
0545					On bottom.
0642					Opened tool with a fair blow (3" in bucket.)
0650					Fair blow- 1 ounce.
0712					Closed tool.
0812					Reopened tool with no blow.
0912					Closed tool.
1112					Pulled off bottom.
					Came out of hole.
1415					Laid down tools.

FORM 182-R1—PRINTED IN U.S.A.

PRODUCTION TEST DATA

LITTLE'S 96672 5M 8/74

TICKET NO. 894714

	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"	4088'	
Drill Collars	?	2.25"	433'	
~~Handling Sub & Choke Assembly~~ X OVER	6.00"	3.00"	1.00'	
Dual CIP Valve				
Dual CIP Sampler	5.00"	.75"	6.75'	4523'
Hydro-Spring Tester	5.00"	.75"	5.02'	4530'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5.00"	2.25"	4.11'	4536'
Hydraulic Jar	5.00"	1.75"	5.00'	
VR Safety Joint	5.00"	1.00"	2.78'	
Pressure Equalizing Crossover				
Packer Assembly	6.75"	1.53"	6.00'	4551'
Distributor				
Packer Assembly	6.75"	1.53"	6.00'	4557'
Flush Joint Anchor				
Pressure Equalizing Tube				
~~Blanked Off B.T. Running Case~~ X OVER	6.00"	3.00"	1.00'	
Drill Collars	?	2.25"	31'	
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
~~Drill Collars~~ X OVER	6.00"	3.00"	1.00'	
Flush Joint Anchor	5.75"	3.50"	34'	
Blanked-Off B.T. Running Case	5.75"	2.44"	4.00'	4627'
Total Depth				4630'

EQUIPMENT DATA

FLUID SAMPLE DATA			
Date	3-8-81	Ticket Number	980612
Kind of D.S.T.	OPEN HOLE	Halliburton Location	FARMINGTON
Tester	MR. GIBSON	Witness	MR. SLEIGER
Drilling Contractor	ALL WESTERN DRILLING COMPANY		bc

Sampler Pressure 0 P.S.I.G. at Surface
Recovery: Cu. Ft. Gas
cc. Oil
cc. Water
cc. Mud 2100
Tot. Liquid cc. 2100
Gravity ° API @ °F.
Gas/Oil Ratio cu. ft./bbl.

	RESISTIVITY		CHLORIDE CONTENT
Recovery Water	@ °F.		ppm
Recovery Mud	@ °F.		ppm
Recovery Mud Filtrate	@ °F.		ppm
Mud Pit Sample	2.36 @ 65	°F.	2600 ppm
Mud Pit Sample Filtrate	@ °F.		ppm

Mud Weight 9.0 vis 35 sec.

EQUIPMENT & HOLE DATA

Formation Tested Honaker Trail
Elevation 6285' GL 6300' KB Ft.
Net Productive Interval 15' Ft.
All Depths Measured From 6300' Kelly Bushing
Total Depth 4972' Ft.
Main Hole/Casing Size 8 3/4" Hole
Drill Collar Length 347' I.D. 2¼"
Drill Pipe Length 4488' I.D. 3.826"
Packer Depth(s) 4863' - 4869' Ft.
Depth Tester Valve 4842' Ft.

Cushion TYPE AMOUNT Ft. Depth Back Pres. Valve Surface Choke B. Hose Bottom Choke 3/4"

Recovered 347 Feet of Mud
Recovered Feet of
Recovered Feet of
Recovered Feet of
Recovered Feet of

Mea. From Tester Valve

RECEIVED MAR 20 1981 DIVISION OF OIL, GAS & MINING

Remarks Unable to perform calculations due to no hydrocarbon production and insufficient development of closed in pressure curve.

SEE PRODUCTION TEST DATA SHEET.

TEMPERATURE	Gauge No. 2032 Depth: 4847' Ft.		Gauge No. 2033 Depth: 4968' Ft.		Gauge No. Depth: Ft.		TIME (00:00-24:00 hrs.)	
	24 Hour Clock		24 Hour Clock		Hour Clock		Tool Opened	1632
Est. °F.	Blanked Off No		Blanked Off Yes		Blanked Off		Opened Bypass	2132
Actual 130 °F.	Pressures		Pressures		Pressures			
	Field	Office	Field	Office	Field	Office	Reported Minutes	Computed Minutes
Initial Hydrostatic	2251.4	2259.3	2296.3	2312.3			—	—
First Period Flow Initial	212.3	205.5	266.7	250.6				
First Period Flow Final	212.3	212.2	266.7	262.6			30	
First Period Closed in	1031.7	1018.4	1065.4	1053.1			61	
Second Period Flow Initial	212.3	220.1	266.7	283.9			—	—
Second Period Flow Final	212.3	233.4	266.7	282.6			89	
Second Period Closed in	609.5	604.2	666.3	652.9			120	
Third Period Flow Initial							—	—
Third Period Flow Final								
Third Period Closed in								
Final Hydrostatic	2251.4	2255.3	2296.3	2305.6			—	—

Legal Location Sec. - Twp. - Rng.: 7 - 36S - 26E
Lease Name: BUG
Well No.: 6
Test No.: 2
Field Area: BUG
Tested Interval: 4869' - 4972'
County: SAN JUAN
State: UTAH
Lease Owner/Company Name: WEXPRO COMPANY

FORM 181-R2 — PRINTED IN U.S.A.

FORMATION TEST DATA

LITTLE'S

18

980612

Casing perfs. _____ 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 3-8-81 Time a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1200					On location
1230					Picked up tools
1330					Ran in hole with tools
1620					On bottom
1632					Opened tool
1639	Bubble Hose	4 oz.			8" in 5 gallon bucket, weak blow
1700	"	"			Weak blow
1702	"	"			Closed tool
1803	"	0			Opened tool with a very weak blow
1815	"	0			Very weak blow, ½" in bucket
1845	"	0			Very weak blow, ¼" in bucket
1900	"	0			"
1930	"	0			"
1932	"				Closed tool
2132	"				Opened by-pass, came out of hole
0207	"				Out of hole
		WEIGHT	TEMP.	CHLORIDES	RES.
PIT MUD		8.8	65°	2600	2.36
1st SAMPLE		9.0	80°	1900	2.55
2nd SAMPLE		8.7	75°	2200	2.56
3rd SAMPLE		9.0	71°	2350	2.50
SAMPLER		8.8	70°	2350	2.50

PRODUCTION TEST DATA

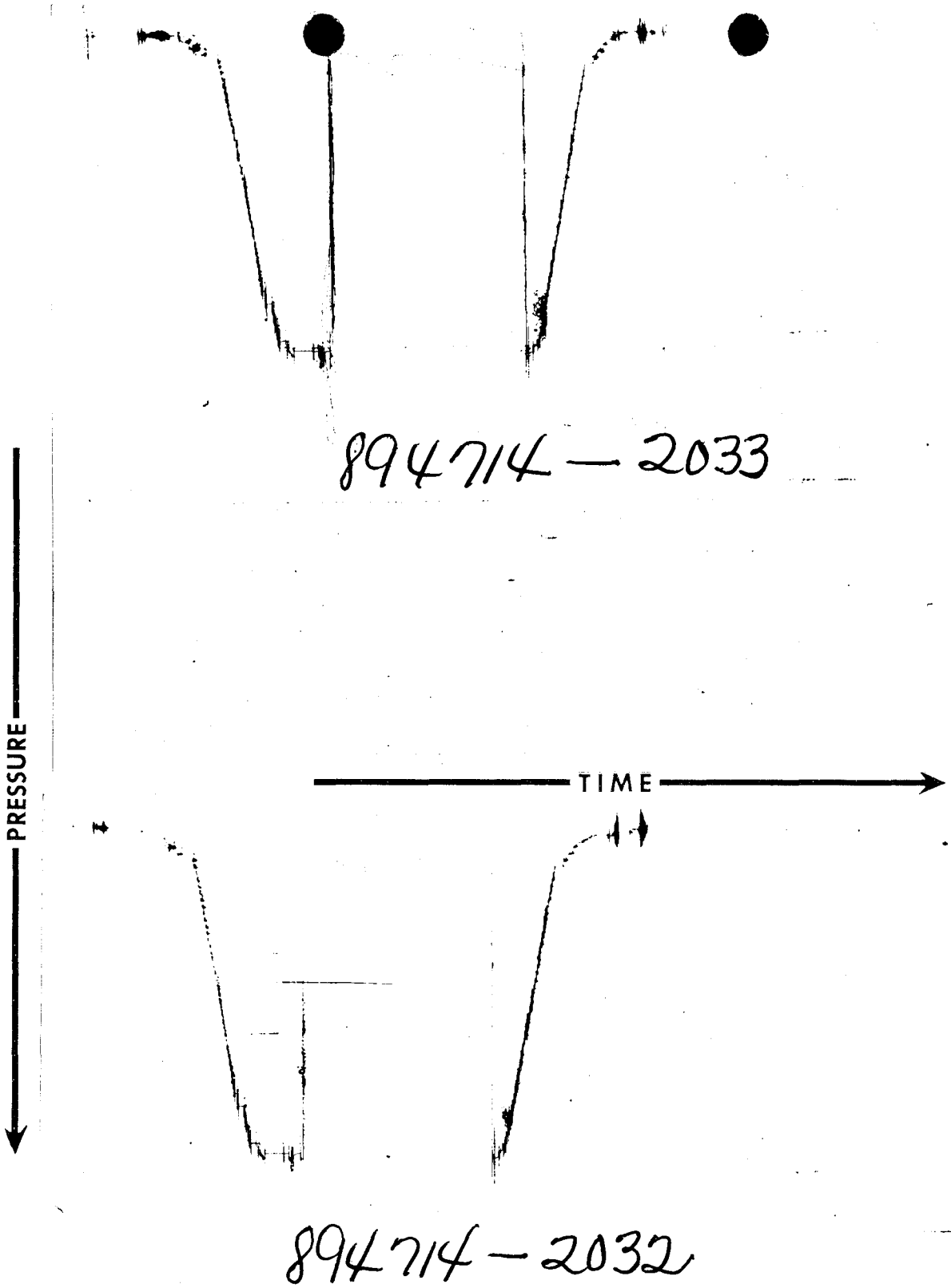
TICKET NO. 980612

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	4½"	3.826"	4488'	
Drill Collars	7"	2¼"	227'	
Reversing Sub	-	-	1'	
Water Cushion Valve				
Drill Pipe				
Drill Collars	7"	2¼"	120'	
~~Handling Sub & Choke Assembly~~ X over	-	-	1'	
Dual CIP Valve				
Dual CIP Sampler	5"	.75"	7'	4835'
Hydro-Spring Tester	5"	.75"	5'	4842'
Multiple CIP Sampler				
Extension Joint				
AP Running Case	5"	3"	4'	4847'
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 3/4"	1.5"	6'	4863'
Distributor				
Packer Assembly	6 3/4"	1.5"	6'	4869'
X over	-	-	1'	
Anchor Pipe Safety Joint				
Drill Pipe	7"	2¼"	60'	
Side Wall Anchor				
X over	-	-	1'	
Drill Collars				
Flush Joint Anchor	5 3/4"	3½"	35'	
Blanked-Off B.T. Running Case	5 3/4"	2½"	4.5'	4968'
Total Depth				4972'

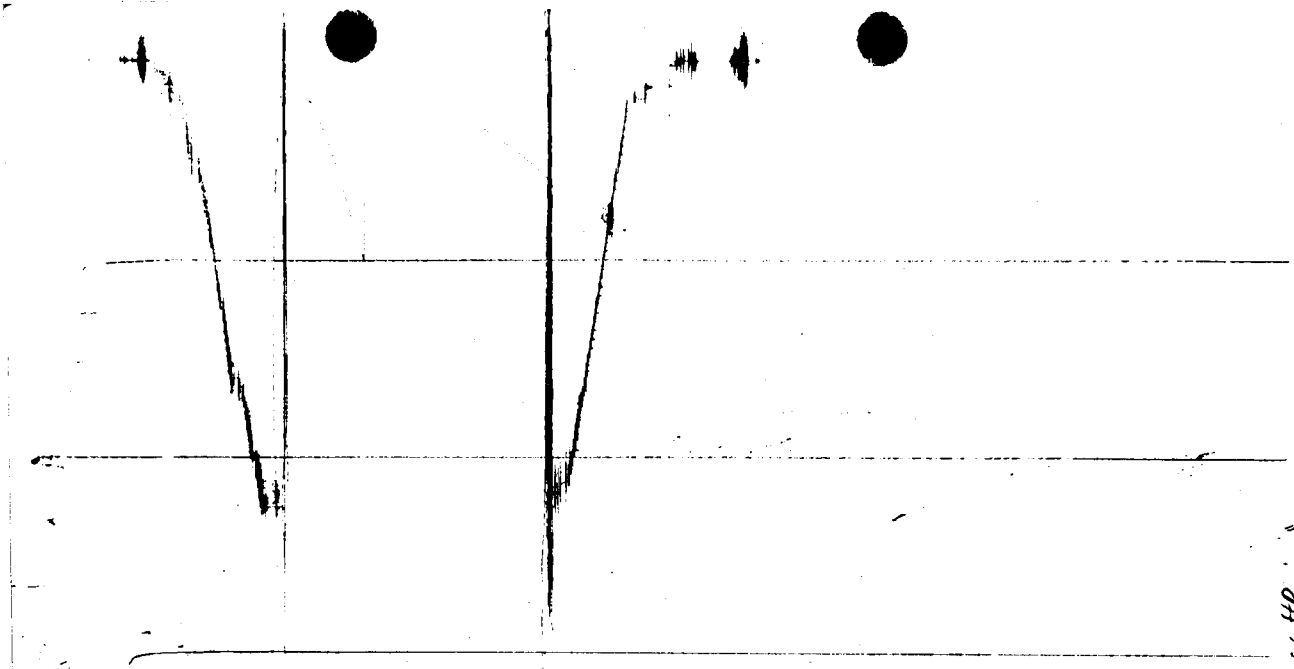
FORM 187—R2 — PRINTED IN U.S.A.

EQUIPMENT DATA

LITTLE'S 111036 ASC



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

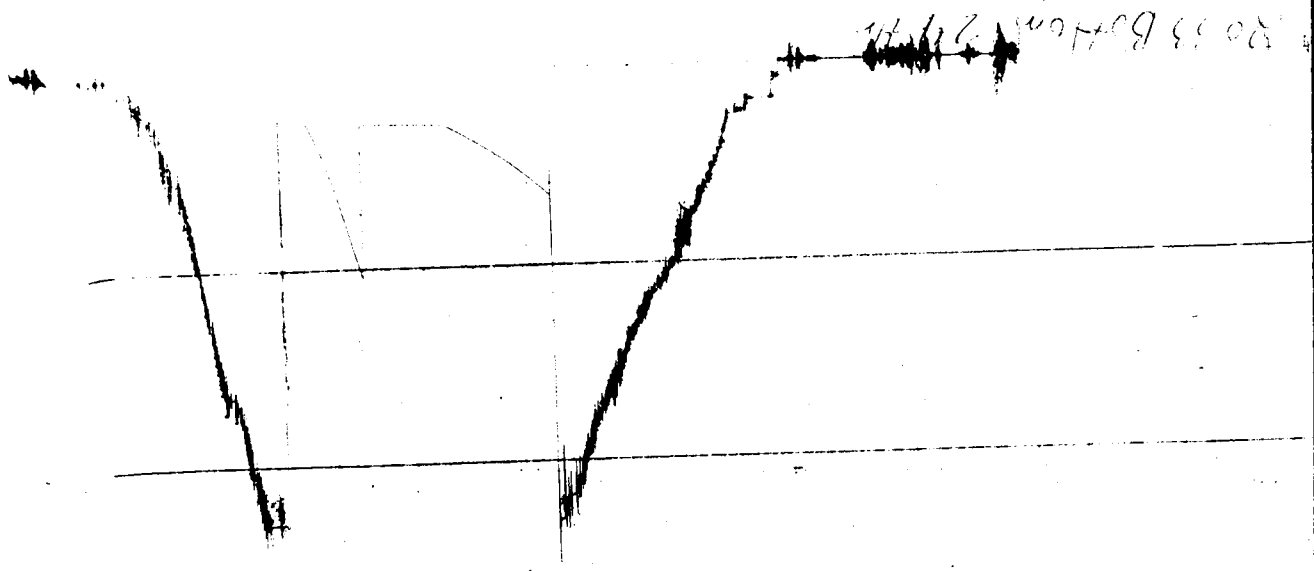


980612-2032

2032 - 24 HR. - 13741

PRESSURE

TIME



980612-2033

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

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well [XX] gas well [ ] 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. See space 17 below.)
AT SURFACE: NE SE 2258' FSL, 783' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
-

7. UNIT AGREEMENT NAME
-

8. FARM OR LEASE NAME
Bug

9. WELL NO.
6

10. FIELD OR WILDCAT NAME
Bug

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
7-36S-26E., SLB&M

12. COUNTY OR PARISH: San Juan
13. STATE: Utah

14. API NO.
43-037-30573

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 6300.30' GR6285'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	[ ]	[ ]
FRACTURE TREAT	[ ]	[ ]
SHOOT OR ACIDIZE	[ ]	[ ]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[ ]	[ ]
CHANGE ZONES	[ ]	[ ]
ABANDON*	[ ]	[ ]
(other) Supplementary History		X

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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 6074', spudded February 25, 1981, made DST's, landed 9-5/8", 36#, K-55, 8rd thd, LT&C casing at 1650.94' KBM, set with 150 sacks 50-50 Pozmix A treated with 2% gel, 10% salt followed with 550 sacks regular B treated with 2% calcium chloride and ¼# flocele per sack, returned 15 barrels to surface, cement in place 2-28-81 at 7:30 pm. Landed 5½", 17#, K-55, 8rd thd, LT&C casing at 6080.87' KBM, set with 625 sacks Pozmix B, floating equipment held OK, cement in place 3-13-81 at 5:30 p.m.
DST #1: 4557-4660', Honaker Trail, IO ½ hr, ISI 1 hr, FO 1 hr, FSI 2 hrs, opened weak, no gas, reopened dead, recovered 343' mud, IHP 2001, IOFP's 120-120, ISIP 253, FOFP's 133-133, FSIP 213, FHP 2001.
DST #2: 4872-4972', Honaker Trail, IO ½ hr, ISI 1 hr, FO 1½ hrs, FSI 2 hrs, opened weak, no gas, reopened very weak, no gas, recovered 347' mud, IHP 2251, IOFP's 212-212, ISIP 1032, FOFP's 212-212, FSIP 610, FHP 2251.
Rig released March 13, 1981, waiting on completion tools.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Pam Montana TITLE Asst. Drlg. Supt. DATE April 3, 1981

(This space for Federal or State office use)

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

RECEIVED
APR 8 1981
DIVISION OF
OIL, GAS & MINING

*See Instructions on Reverse Side

Form 9-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

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

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

2. NAME OF OPERATOR: 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 SE 2258' FSL, 783' FEL
At top prod. interval reported below
At total depth

API #: 43-037-30573

14. PERMIT NO.: 43-037-30573 DATE ISSUED: 7-8-80

5. LEASE DESIGNATION AND SERIAL NO.: U - 39254
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: -
7. UNIT AGREEMENT NAME: -
8. FARM OR LEASE NAME: Bug
9. WELL NO.: 6
10. FIELD AND POOL, OR WILDCAT: Bug
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 7-36S-26E., SLB&M
12. COUNTY OR PARISH: San Juan
13. STATE: Utah

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
2-25-81	3-12-81	6-25-81	KB 6300.30' GR 6285'	-

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6074'	6057'		→	0-6074'	-

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 5989 - 5999' Desert Creek

25. WAS DIRECTIONAL SURVEY MADE: No

26. TYPE ELECTRIC AND OTHER LOGS RUN: DIL, CNL/FDC

27. WAS WELL CORED: No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8	36	1650.94	12-1/4	700	0
5-1/2	17	6080.37	8-3/4	625	0

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-7/8	5871.05	

31. PERFORATION RECORD (*Interval, size and number*)
5989-5999', jet, 2 holes per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
6-22-81	Flowing	Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6/22-25/81	78	12/64	→				2895:1

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
1750	2700	→	162.34	470	-	

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*): Vented while testing

TEST WITNESSED BY:

35. LIST OF ATTACHMENTS: Logs as above

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

SIGNED: Robert L. Rasmussen TITLE: Staff Engineer DATE: 7-1-81

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

DIVISION OF OIL, GAS & MINING
JUL 06 1981
RECEIVED

INSTRUCTIONS

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

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

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

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

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

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.

38. GEOLOGIC MARKERS

NAME	TOP MEAS. DEPTH	TOP TRUE VERT. DEPTH
Log tops:		
Morrison	0'	
Entrada	738	
Carmel	876	
Navajo	929	
Chinle	1,618	
Shinarump	2,351	
Cutler	2,581	
Honaker Trail	4,325	
Paradox	4,997	
Upper Ismay	5,483	
Lower Upper Ismay	5,665	
Lower Ismay Shale	5,732	
Lower Ismay Porosity	5,812	
B Zone	5,847	
Desert Creek	5,889	
Lower Bench Desert Creek	5,953	
Desert Creek Porosity	5,964	
Base of Desert Creek Porosity	5,999	
Salt	6,079'	

U.S. GOVERNMENT PRINTING OFFICE: 1963—O-683636

9-331
1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well [X] gas well [ ] other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: NE SE 2258' FSL, 783' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
-

7. UNIT AGREEMENT NAME
-

8. FARM OR LEASE NAME
Bug

9. WELL NO.
6

10. FIELD OR WILDCAT NAME
Bug

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
7-36S-26E., SLB&M

12. COUNTY OR PARISH: San Juan
13. STATE: Utah

14. API NO.
43-037-30573

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 6300.30', GR 6285'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	[ ]	[ ]
FRACTURE TREAT	[ ]	[ ]
SHOOT OR ACIDIZE	[ ]	[ ]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[ ]	[ ]
CHANGE ZONES	[X]	[ ]
ABANDON*	[ ]	[ ]
(other)		

RECEIVED
JAN 24 1983
DIVISION OF OIL GAS & MINING

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

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.)*

As the Lower Desert Creek Porosity zone is depleted of commercial quantities of oil and gas, we would like to set a bridge plug at 5987', perforate the Upper Desert Creek Porosity zone with 2 holes per foot from 5978' to 5982' and make a short production test.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Lee Martin TITLE Asst Drlg Supt. DATE January 19, 1983

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well [X] gas well [ ] other

2. NAME OF OPERATOR
Wexpro Company

3. ADDRESS OF OPERATOR
P. O. Box 458, Rock Springs, Wyoming 82901

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: NE SE 2258' FSL, 783' FEL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
U-39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
-

7. UNIT AGREEMENT NAME
-

8. FARM OR LEASE NAME
Bug

9. WELL NO.
6

10. FIELD OR WILDCAT NAME
Bug

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
7-36S-26E., SLB&M

12. COUNTY OR PARISH: San Juan
13. STATE: Utah

14. API NO.
43-037-30573

15. ELEVATIONS (SHOW DF, KDB, AND WD)
KB 6300.30', GR 6285'

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	[ ]	[ ]
FRACTURE TREAT	[ ]	[ ]
SHOOT OR ACIDIZE	[ ]	[ ]
REPAIR WELL	[ ]	[ ]
PULL OR ALTER CASING	[ ]	[ ]
MULTIPLE COMPLETE	[ ]	[ ]
CHANGE ZONES	[ ]	[X]
ABANDON*	[ ]	[ ]
(other)		

SHUT DIFFERENT INTERVAL OF SAME ZONE.
9-2-87

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

RECEIVED
MAR 09 1983
DIVISION OF OIL, GAS & MINING

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 6074', PBD 5970', well shut in, evaluating data.

Rigged up work over, set a bridge plug at 5987', perforated 5978'-5982' with 2 holes per foot, swabbed, set retrieveable bridge plug at 5973', perforated 5964-5969' with 2 holes per foot, pulled retrieveable bridge plug, swabbed, landed 2-7/8" tubing at 5964.77', swabbed, ran bottom hole pressure bomb, released work over unit, evaluating data.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED [signature] TITLE Asst Drlg Supt. DATE March 7, 1983

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

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
JUL 16 1984
DIVISION OF OIL GAS & MINING

1. OIL WELL [X] 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 SE 2258' FSL, 783' FEL

5. LEASE DESIGNATION AND SERIAL NO.: U-39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --

7. UNIT AGREEMENT NAME: --

8. FARM OR LEASE NAME: Bug

9. WELL NO.: 6

10. FIELD AND POOL, OR WILDCAT: Bug

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 7-36S-26E SLB&M

14. PERMIT NO.: 43-037-30573

15. ELEVATIONS (Show whether DF, RT, GR, etc.): KB 6300.30' GR 6285.00'

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		PULL OR ALTER CASING		WATER SHUT-OFF		REPAIRING WELL	
FRACTURE TREAT		MULTIPLE COMPLETE		FRACTURE TREATMENT		ALTERING CASING	
SHOOT OR ACIDIZE	X	ABANDON*		SHOOTING OR ACIDIZING		ABANDONMENT*	
REPAIR WELL		CHANGE PLANS		(Other)			
(Other) Recomplete				(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.)*

We intend to abandon the present completed zone (Desert Creek 5989' to 5999' KBM) and recomplete this well in the Ismay formation.

The present formation is depleted of oil and gas. By attempting a recompletion in the Ismay formation (5704' to 5717' KBM) a commercial completion is possible. The zone will also be acidized using 5000 gallons of 28% HCL upon recompletion.

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

SIGNED [signature] TITLE Asst. Drlg. Superintendent DATE July 13, 1984

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

WEXPRO COMPANY

79 SOUTH STATE STREET • P.O. BOX 11070 • SALT LAKE CITY, UTAH 84147 • PHONE (801) 530-2600

RECEIVED

APR 03 1985

DIVISION OF OIL
GAS & MINING

April 2, 1985

State of Utah
Natural Resources
Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114
ATTN: Claudia Jones

Gentlemen:

RE: Bug 1,2,6,10,12, and 25

To follow up our telephone conversation, enclosed please find copies of well completion reports, on the Bug wells listed above.

Those wells are operated by Wexpro Company for Celsius Energy Company, all reporting will be completed by Wexpro Company for Celsius Energy Company.

If you have any further questions please call me at 530-2813.

Sincerely,

Mike Butcher

Mike Butcher
Revenue Accounting Supervisor

MB:sh
enclosures

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0135
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. LEASE DESIGNATION AND SERIAL NO: U-39254
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: --
7. UNIT AGREEMENT NAME: --
8. FARM OR LEASE NAME: Bug 052607
9. WELL NO.: 6
10. FIELD AND POOL, OR WILDCAT: Bug
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 7-36S-26E SLB&M
12. COUNTY OR PARISH: San Juan
13. STATE: Utah

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

2. NAME OF OPERATOR: Celsius Energy 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 SE 2258' FSL, 783' FEL

14. PERMIT NO.: 43-037-30573

15. ELEVATIONS (Show whether DF, RT, GR, etc.): KB 6300.3' GR 6285'

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

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

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

The above captioned well is a flowing oil well with limited reservoir pressure. The well will flow for a period of 3-4 months before the well will load up and die. The well was produced from November 20, 1986 until February 23, 1987 before the well loaded up. Celsius intends to leave the well shut-in until the well's pressure increases to the point that the well will flow. The BLM will be notified when the well can be flowed.

RECEIVED
MAY 21 1987
DIVISION OF
OIL, GAS & MINING

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

SIGNED Thomas M Walker TITLE Director Pet. Eng. DATE 5-19-87

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

COMPANY: WEXPRO UT ACCOUNT # N1070 SUSPENSE DATE:

WELL NAME: BUG #6

API #: 43 037 30573

SEC, TWP, RNG: 7 36S 26E

TELEPHONE CONTACT DOCUMENTATION

CONTACT NAME: ~~[illegible]~~ ~~JERRY GROSS~~ MIKE BUTCHER

CONTACT TELEPHONE NO.: 801 530 ~~[illegible]~~ ~~2846~~ 2813

SUBJECT: NEED COPY OF RECOMPLETE OR LETTER STATING STILL IN DSCR OR CURRENT PZ + STATUS.

(Use attachments if necessary)

RESULTS: MIKE BUTCHER WILL CHECK THIS OUT AND GET BACK WITH ME. 9-14-87 9:20 AM
COMP 1981
NO RECOMPLETE STILL IN DSCR.

(Use attachments if necessary)

CONTACTED BY: VC

DATE: 9-14-87 2:45

~~[illegible]~~

Debbie

Please give this file to Vicky C. It ~~needs~~ missing a re-completion form.

Thanks
Millie

8-26-87

✓ because of the cover ltr sending the WCR, we should check in the other mentioned well files before calling. I've checked all other sources (filmstr, card index).

9-3

1 36S 25E 13 SDW
2 36S 26E 7
10 36S 26E 22
11 36S 26E 21 SDW
25 36S 26E 18 TA out of file

NORM- THIS WELL HAS INTENT TO RE-COMPLETE, LETTER STATING WCR ENCLOSED, NO RE-COMP. MAY I CALL & ASK FOR RECOMP REPORT?

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

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
MAR 22 1990
DIVISION OF
OIL, GAS & MINING

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

2. NAME OF OPERATOR
~~CELSIUS ENERGY COMPANY~~ Wexpro Company

3. ADDRESS OF OPERATOR
1125 17th Street, Suite 2240, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)
At surface
NE SE 2258' FSL, 783' FEL

5. LEASE DESIGNATION AND SERIAL NO.
U - 39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
---

7. UNIT AGREEMENT NAME
---

8. FARM OR LEASE NAME
BUG

9. WELL NO.
6

10. FIELD AND POOL, OR WILDCAT
BUG FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
7 - 36S - 26E SLB&M

12. COUNTY OR PARISH: San Juan
13. STATE: UTAH

14. PERMIT NO.
43-037-30573

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
KB 6300.3' GR 6285'

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[X]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[X]	(Other)			
(Other) Commingle				(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 above captioned well is a shut-in Desert Creek producer. The well is perforated over the interval of 5964'-5969' and 5978'-5982' KBM. Celsius Energy Company requests approval to set a retrievable bridge plug above the Desert Creek perforations and test two additional intervals for potential gas production. These intervals are:

1) 5632' - 5638' KBM - Paradox Formation
2) 5704' - 5716' KBM - Ismay Formation

It is anticipated that the Ismay will be acidized with 7500 Gallons of foamed Brine and 15,000 Gallons of foamed 28% HCL acid (N_2 foam) and that the Paradox will be acidized with 2500 Gallons of foamed Brine and 7500 Gallons of foamed 28% HCL acid. Following flow tests of each interval, the bridge plug above the Desert Creek will be pulled and the zones commingled. The gas from the Ismay-Paradox zones will be utilized to aid in lifting the marginal, Desert Creek oil. The commingling of the intervals is essential to the commercial depletion of the Desert Creek zone. Working Interest and Royalties are the same for all three zones and production volumes can be allocated based on established GOR from the Desert Creek zone and the incremental gas increase from the Ismay-Paradox intervals. Your expeditious approval of this Sundry Notice would be appreciated.

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

SIGNED H. K. Slayer TITLE MANAGER-OPERATIONS DATE 3/16/90

(This space for Federal or State office use)

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

ACCEPTED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE 4-3-90
BY

Federal approval of this action is required before commencing operations.

*See Instructions on Reverse Side

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
2-TAS	
MICROFILM	
FILE	

Title 18 U.S.C. Section 1001, makes 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.

CELSIUS ENERGY COMPANY

1125 SEVENTEENTH STREET #2240 · DENVER, COLORADO 80202 · PHONE (303) 296-8945

March 30, 1990

RECEIVED
APR 02 1990
DIVISION OF
OIL, GAS & MINING

USDI-BUREAU OF LAND MANAGEMENT
Division of Mineral Resources
Branch of Fluids
P. O. Box 970
Moab, Utah 84532

Attn: Eric Jones

RE: COMMINGLE PARADOX AND ISMAY FORMATIONS
Bug Well No. 6, NE/4 SE/4 7-36S-26E
San Juan County, Utah

Dear Eric:

As per our telephone conversation on March 28, 1990 regarding the Sundry Notice that you received for the above-referenced well, please be advised of the following information.

An AFE was circulated to part interest owners for their approval and authorization to complete the well procedure outlined on the Sundry Notice for the Bug Well No. 6 prior to submitting same notice. All interest owners in the Bug well are in agreement with the recommendation to commingle the Paradox and Ismay zones.

All interest percentages are unchanged and remain constant throughout the producing intervals and the spacing requirements are met. The following interest owners have authorized the procedure:

...Celsius Energy Company
...Prudential-Bache Energy Income
...Graham Royalty , Ltd.
...GWR Operating Company
...Paine Weber/Geodyne Energy Income
Production Partnership
...Premco Western, Inc.

OIL AND GAS
DRN | RJF
JRB | GLH
DTS | SLS
3 TAS
2 - LCR
4 MICROFILM
5 FILE

Sincerely,

Douglas S. Smith
Coordinator, Regulatory Affairs

DSS/lc
Encl.
cc: State of Utah

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

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
APR 02 1990
DIVISION OF OIL, GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.: U - 39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ---

7. UNIT AGREEMENT NAME: ---

8. FARM OR LEASE NAME: BUG

9. WELL NO.: 6

10. FIELD AND POOL, OR WILDCAT: BUG FIELD

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: 7 - 36S - 26E SLB&M

12. COUNTY OR PARISH: San Juan

13. STATE: UTAH

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

2. NAME OF OPERATOR: ~~CELSIUS ENERGY COMPANY~~ Lexpro Company

3. ADDRESS OF OPERATOR: 1125 17th Street, Suite 2240, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
NE SE 2258' FSL, 783' FEL

14. PERMIT NO.: 43-037-30573

15. ELEVATIONS (Show whether DF, RT, GR, etc.): KB 6300.3' GR 6285'

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	[ ]	PULL OR ALTER CASING	[ ]	WATER SHUT-OFF	[ ]	REPAIRING WELL	[ ]
FRACTURE TREAT	[ ]	MULTIPLE COMPLETE	[X]	FRACTURE TREATMENT	[ ]	ALTERING CASING	[ ]
SHOOT OR ACIDIZE	[ ]	ABANDON*	[ ]	SHOOTING OR ACIDIZING	[ ]	ABANDONMENT*	[ ]
REPAIR WELL	[ ]	CHANGE PLANS	[X]	(Other)			
(Other) Commingle				(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 above captioned well is a shut-in Desert Creek producer. The well is perforated over the interval of 5964'-5969' and 5978'-5982' KBM. Celsius Energy Company requests approval to set a retrievable bridge plug above the Desert Creek perforations and test two additional intervals for potential gas production. These intervals are:

1) 5632' - 5638' KBM - Paradox Formation
2) 5704' - 5716' KBM - Ismay Formation

It is anticipated that the Ismay will be acidized with 7500 Gallons of foamed Brine and 15,000 Gallons of foamed 28% HCL acid (N_2 foam) and that the Paradox will be acidized with 2500 Gallons of foamed Brine and 7500 Gallons of foamed 28% HCL acid. Following flow tests of each interval, the bridge plug above the Desert Creek will be pulled and the zones commingled. The gas from the Ismay-Paradox zones will be utilized to aid in lifting the marginal, Desert Creek oil. The commingling of the intervals is essential to the commercial depletion of the Desert Creek zone. Working Interest and Royalties are the same for all three zones and production volumes can be allocated based on established GOR from the Desert Creek zone and the incremental gas increase from the Ismay-Paradox intervals. Your expeditious approval of this Sundry Notice would be appreciated.

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

SIGNED H. K. Slayer TITLE MANAGER-OPERATIONS DATE 3/16/90

(This space for Federal or State office use)

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

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

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

2. NAME OF OPERATOR: ~~CELSIUS ENERGY COMPANY~~ Wexpro Company

3. ADDRESS OF OPERATOR: 1125 17th Street, Suite 2240, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface: NE SE, 2258' FSL, 783' FEL
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: U - 39254
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ---
7. UNIT AGREEMENT NAME: ---
8. FARM OR LEASE NAME: BUG
9. WELL NO.: 6
10. FIELD AND POOL, OR WILDCAT: BUG
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 7-36S-26E

14. PERMIT NO.: 43-037-30573 | DATE ISSUED:
12. COUNTY OR PARISH: San Juan | 13. STATE: UTAH

15. DATE SPUDDED: NA | 16. DATE T.D. REACHED: NA | 17. DATE COMPL. (Ready to prod.): 4/24/90 | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*: GR 6275', KB 6285' | 19. ELEV. CASINGHEAD: 6273

20. TOTAL DEPTH, MD & TVD: 6074' KBM | 21. PLUG, BACK T.D., MD & TVD: 5987' KBM | 22. IF MULTIPLE COMPL., HOW MANY*: NA | 23. INTERVALS DRILLED BY: → | ROTARY TOOLS: NA | CABLE TOOLS: NA

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Paradox 5628'-5634'
Ismay 5700'-5712'
Desert Creek 5628'-5634'

25. WAS DIRECTIONAL SURVEY MADE: NA

26. TYPE ELECTRIC AND OTHER LOGS RUN: NA

27. WAS WELL CORED: NA

OIL AND GAS
DRN | RJF
JRB | GLH
DTS | SLS

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

1-TAS
2- MICROFILM
3- FILE

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
Paradox - 5628'-5634' 4spf, .46" Holes
Ismay - 5700'-5712' 4spf, .46" Holes
Ismay

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5628'-5634'	4150 Gal 28% HCL, 435,000 SCF N_2, 3385 Gal Brine
5700'-5712'	6150 Gal 28% HCL, 504,345 SCF N_2, 3425 Gal Brine

33.* PRODUCTION

DATE FIRST PRODUCTION: 5/1/90 | PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump): Flowing | WELL STATUS (Producing or shut-in): Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4/18-19/90	18	64/64	→	0	62	0	NA

FLOW. TUBING PRESS.	CASING PRESSURE	24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
60	NA	Stabilized →	0	52 MCF/D	0	0

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.): Vented for the Test, currently being Sold
TEST WITNESSED BY: Dale Wickersham

35. LIST OF ATTACHMENTS: Cased Hole DST's

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

SIGNED: [signature] TITLE: Manager - Operations DATE: May 8, 1990

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

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

Form 3160-4
(November 1983)
(formerly 9-330)

PAGE 2

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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: SEE PAGE NO. 1

3. ADDRESS OF OPERATOR

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

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

14. PERMIT NO. | DATE ISSUED

12. COUNTY OR PARISH | 13. STATE

15. DATE SPUDDED | 16. DATE T.D. REACHED | 17. DATE COMPL. (*Ready to prod.*) | 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* | 19. ELEV. CASINGHEAD

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

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

25. WAS DIRECTIONAL SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)

Paradox Zone, 5628' - 5634'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
5/1/90	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4/19-20/90	11 1/2	64/64		0	32		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
65	NA	Stabilized	0	72	0	0

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
Vented for the Test - Sold for production

TEST WITNESSED BY
Dale Wickersham

35. LIST OF ATTACHMENTS
Cased Hole DST

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

SIGNED A R Logan TITLE Manager - Operations DATE May 8, 1990

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

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

Form 3160-5
(November 1983)
(Formerly 9-331)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

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
MAY 10 1990
DIVISION OF OIL, GAS & MINING

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

2. NAME OF OPERATOR
~~CELSIUS ENERGY COMPANY~~ Wexpro Company

3. ADDRESS OF OPERATOR
1125 17th Street, Suite 2240, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)
At surface
NE SE, 2258' FSL, 783' FEL

5. LEASE DESIGNATION AND SERIAL NO.
U - 39254

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
---

7. UNIT AGREEMENT NAME
---

8. FARM OR LEASE NAME
BUG

9. WELL NO.
6

10. FIELD AND POOL, OR WILDCAT
BUG

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
7-36S-26E

12. COUNTY OR PARISH: San Juan

13. STATE: UTAH

14. PERMIT NO.
43-037-30573

15. ELEVATIONS (Show whether DF, RT, GR, etc.)
KB 6300.3, GR 6285'

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

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

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

A workover was conducted on the above captioned well beginning on April 5, 1990. The workover included setting a retrievable bridge plug above the Desert Creek and perforating, testing (PDST) and acidizing the following zones:

A) ISMAY 5700' - 5712', 4 SPF
B) PARADOX 5628' - 5634', 4 SPF

The Ismay was acidized with 6150 gallons 28% HCL acid, 504,345 SCF N_2, and 3425 gallons of Brine. The Paradox was acidized with 4150 gallons of 28% HCL acid, 435,000 SCF N_2 and 3385 gallons of Brine. Each zone was flow tested individually. These zones produced as follows:

A) ISMAY - 52 MCF/D Tp - 60 psi
B) PARADOX-72 MCF/D Tp - 65 psi

Following the flow tests on these zones, the retrievable bridge plug was pulled and the Desert Creek, Ismay and Paradox zones commingled. Currently, the well is producing 271 MCF/D, 41 BOPD, 51 BWPD. See Completion Report

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

SIGNED H.R. Hogan TITLE Manager - Operations DATE May 8, 1990

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

OIL AND GAS
DRN | RJF
JRB | GLH
DTS | SLS
1-TAS
MICROFILM
FILE

*See Instructions on Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

REPORT NO. 101088
PAGE NO. 1
TEST DATE: 08-APR-1990

S T A R™

A Schlumberger Transient Analysis Report

Based On Model Verified™ Interpretation Of A Schlumberger Drillstem Test

Schlumberger

Company: CELSIUS ENERGY CO.

Well: BUG #6

TEST IDENTIFICATION

Test Type ..... MFE CH DST
Test No. 1
Formation ..... ISMAY
Test Interval (ft) ... 5700 - 5712
Reference Depth ..... KELLY BUSHING

WELL LOCATION

Field .....
County ..... SAN JUAN
State ..... UTAH
Sec/Twn/Rng S7 T36 R26
Elevation (ft) .....

HOLE CONDITIONS

Total Depth (MD/TVD)(ft) .
Hole Size (in) .....
Casing/Liner I.D. (in) ... 5.5" - 17#/FT.
Perf'd Interv./Nt Pay(ft). 5700 - 5712 / 12
Shot Density/Diameter(in). 4 SPF

MUD PROPERTIES

Mud Type ..... KCL WATER
Mud Weight (lb/gal) .....
Mud Resistivity (ohm.m) .. 0.075 @ 68 DEG. F.
Filtrate Resistiv.(ohm.m).
Filtrate Chlorides (ppm) . 114000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi). 2091
Gas Cushion Type ..... NONE
Surface Pressure (psi) ... --
Liquid Cushion Type ..... NONE
Cushion Length (ft) ..... --

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D.(in). 5619 / 2.441
Collar Length ft/I.D.(in). N/A
Packer Depths (ft) 5653
Bottomhole Choke Size(in). 0.50
Gauge Depth (ft)/Type .... 5641 / MECHANICAL

NET PIPE RECOVERY

Volume	Fluid Type	Properties
120 FT.	WATER	WITH TRACE OF CEMENT
		RW=0.075 @ 68 DEG. F
		114000 PPM CL.

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
0.12 SCF	GAS	ASSUMED 0.65 GRAV.
620 CC	WATER	WITH TRACE CEMENT
		RW = 0.075 @ 68 D
		114000 PPM CL.
Press. 50	GOR:	GLR:

VALIDATION RESULTS

Model of Behavior ..... HOMOGENEOUS
Fluid Type Used ..... GAS
Reservoir Pressure (psi) . 2453 @ 5641 Ft.
Transmissivity (md.ft/cp) 8.85
Permeability (md) 9.04E-3
Skin Factor/Damage Ratio . 4.13
Storativity Ratio .....
Interporosity Flow Coeff..
Distance to Anomaly (ft).
Investigation Radius (ft). 2.25
Potentiometric Surf. (ft).

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API) ...
Basic Solids (%) .....
Gas Gravity 0.650
Water Cut (%) .....
Viscosity (cp) 1.22E-2
Tot. Compress. (1/psi) ... 9.43E-3
Porosity (%) 7
Reservoir Temperature (F). 135
Form.Vol.Factor (bbl/STB).

PRODUCTION RATE DURING TEST: 11.5 MCFD Qlast

COMMENTS:

THE FINAL SHUT-IN PRESSURE BUILD-UP DATA WAS ANALYZED USING LOG-LOG ANALYSIS TECHNIQUES TO DETERMINE THE RESERVOIR BEHAVIOR MODEL AND RESERVOIR PARAMETERS OF P*, Kh/u, AND SKIN. ANALYSIS OF THE FINAL SHUT-IN DATA INDICATES THE PRESENCE OF A HOMOGENEOUS SYSTEM WITH WELLBORE STORAGE AND SKIN IN EARLY TIME AND TRANSITIONAL FLOW REGIME IN LATER TIME; INFINITE-ACTING RADIAL FLOW REGIME WAS JUST BEGINNING IN LATE TIME. THE DATA WAS MODEL-VERIFIED(tm) TO CONFIRM THE ACCURACY OF THE RESERVOIR MODEL CHOSEN AND THE ANALYSIS RESULTS, WITH GOOD AGREEMENT BETWEEN THE THEORETICAL MODEL RESPONSE AND THE ACTUAL DATA. SEE THE ANALYSIS PLOTS BEGINNING ON PAGE 2 OF THIS REPORT.

© 1987 SCHLUMBERGER

GAS WELL
LOG-LOG ANALYSIS

Schlumberger

'log([m[p]-m[p(Dt=0)]]) versus log(Dt)' PLOT

WELLBORE STORAGE AND SKIN
after:Gringarten A.C. et al. SPE 8205
Las Vegas,Nev.,Sept 23-26,1979

DATA IDENTIFICATION

Flow period# 2

[ ] Drawdown [X] Build-up

[X] m[p(Dt=0)]= 4.7133E+05 psi2/cp

[X] Duration of previous flow period:tp= 4.3040 hr

FLOW REGIME IDENTIFICATION

[X] WELLBORE STORAGE:
Unit-slope straight line — ENDS at Dt= 1.3000 hr

[X] INFINITE ACTING RADIAL FLOW:
Semi-log straight line — STARTS at Dt= (Unknown) hr
ENDS at Dt= (Unknown) hr

[ ] BOUNDARY EFFECTS:
No-flow:pseudo steady-state — STARTS at Dt=
Constant pressure — STARTS at Dt=

TYPE-CURVE MATCH

[X] Match-point:pD= 1.1125E-08 | Dm(p)= 1
tD/CD= 3.7328 | Dt= 1

[X] Match curve:CDe(2S)= 2.8627E3

CALCULATIONS

[X] kh(from pressure match) = 0.10843 md.ft

[ ] C(from unit slope straight line) =

[ ] kh(from time match) =

[X] C(from time match) = 6.9992E-04 Bbl/psi

[X] CD = 0.73366

[X] k = 9.0362E-03 md

[X] S' = 4.1346

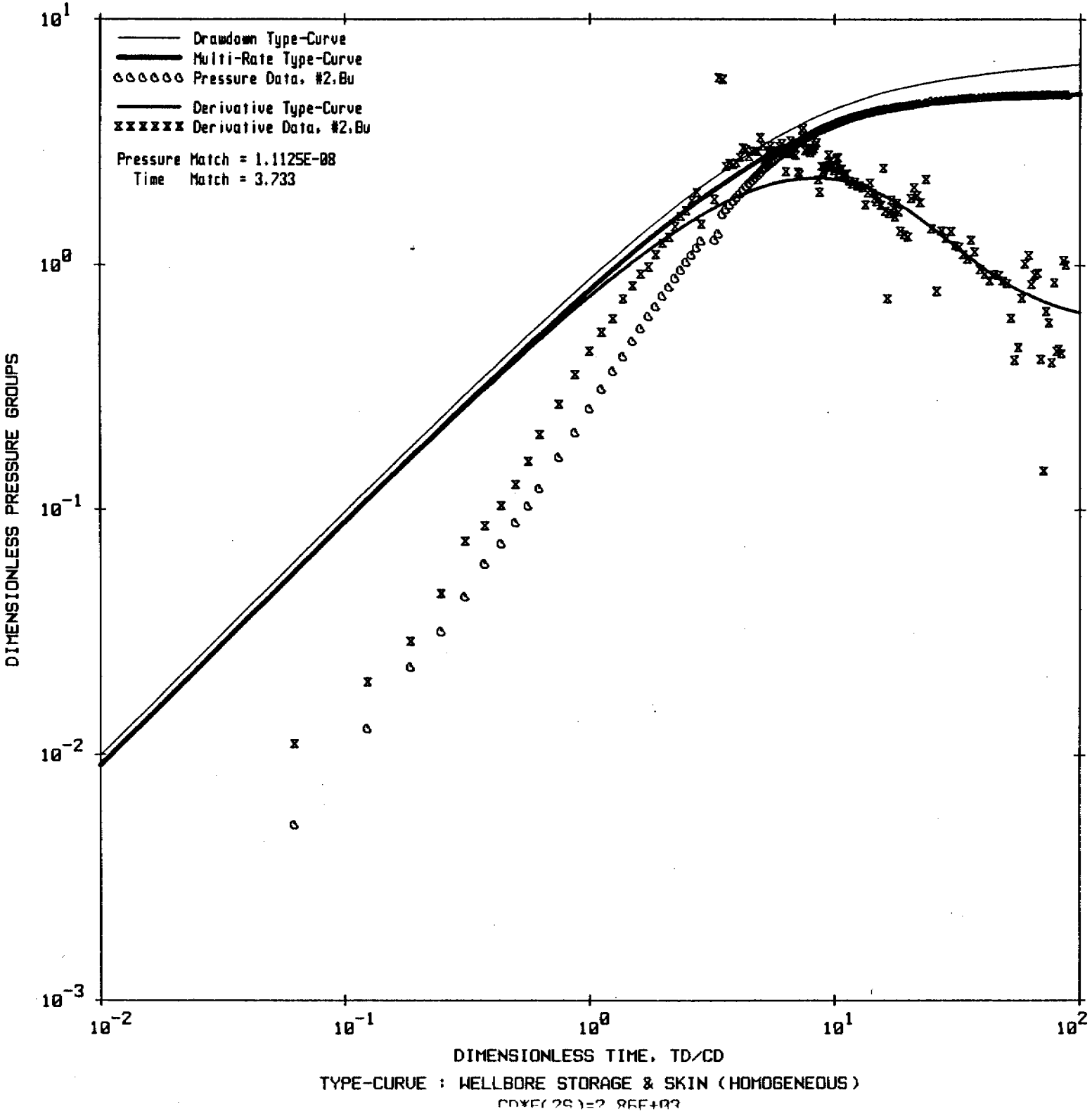
COMMENTS

© 1987 SCHLUMBERGER

REPORT NO.
101088
PAGE NO. 3

DIMENSIONLESS MULTI-RATE PLOT : LOG-LOG MATCH FOR #2, Bu

Schlumberger

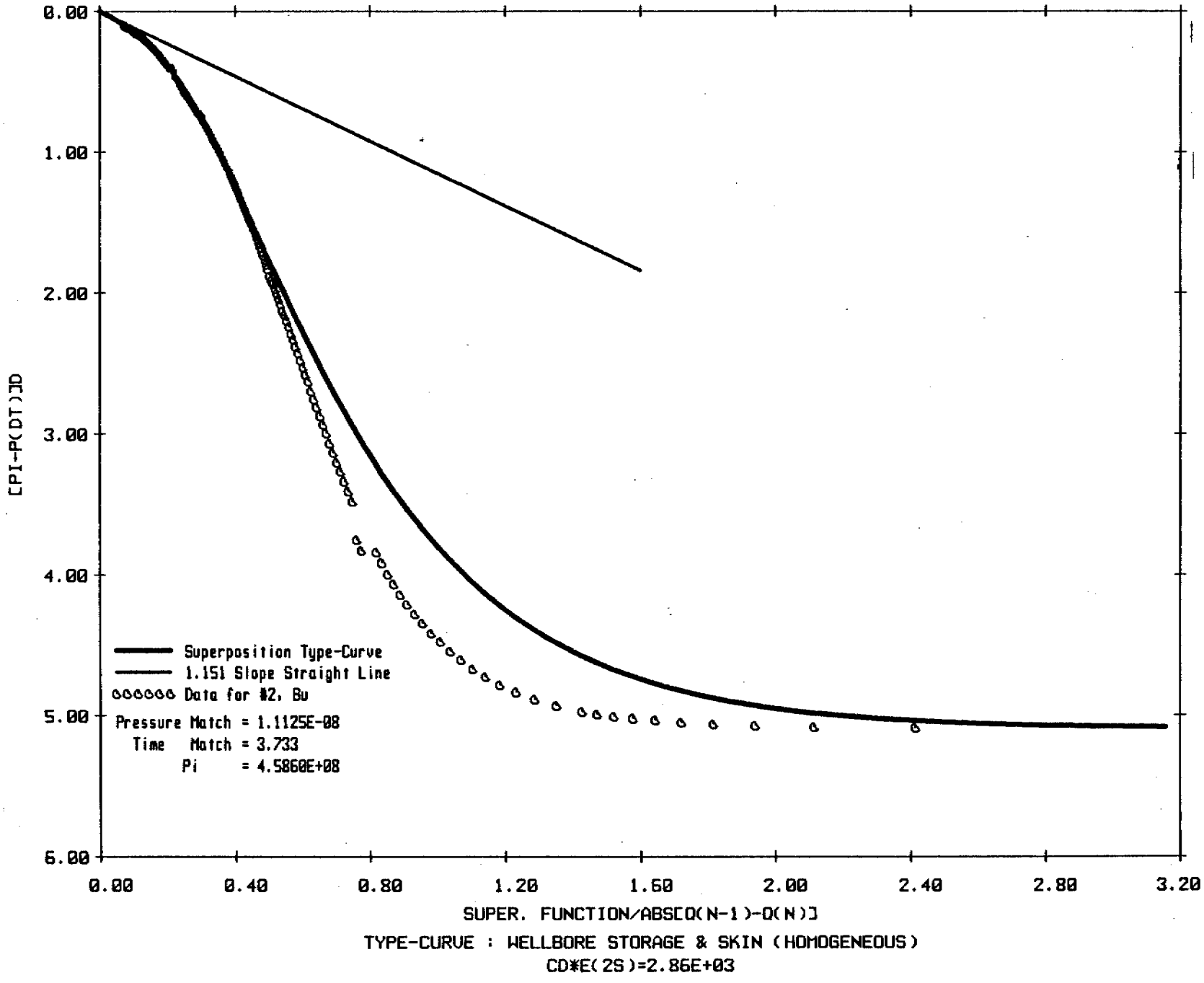


© 1987 SCHLUMBERGER

REPORT NO.
101088
PAGE NO. 4

DIMENSIONLESS SUPERPOSITION PLOT FOR #2, Bu

Schlumberger



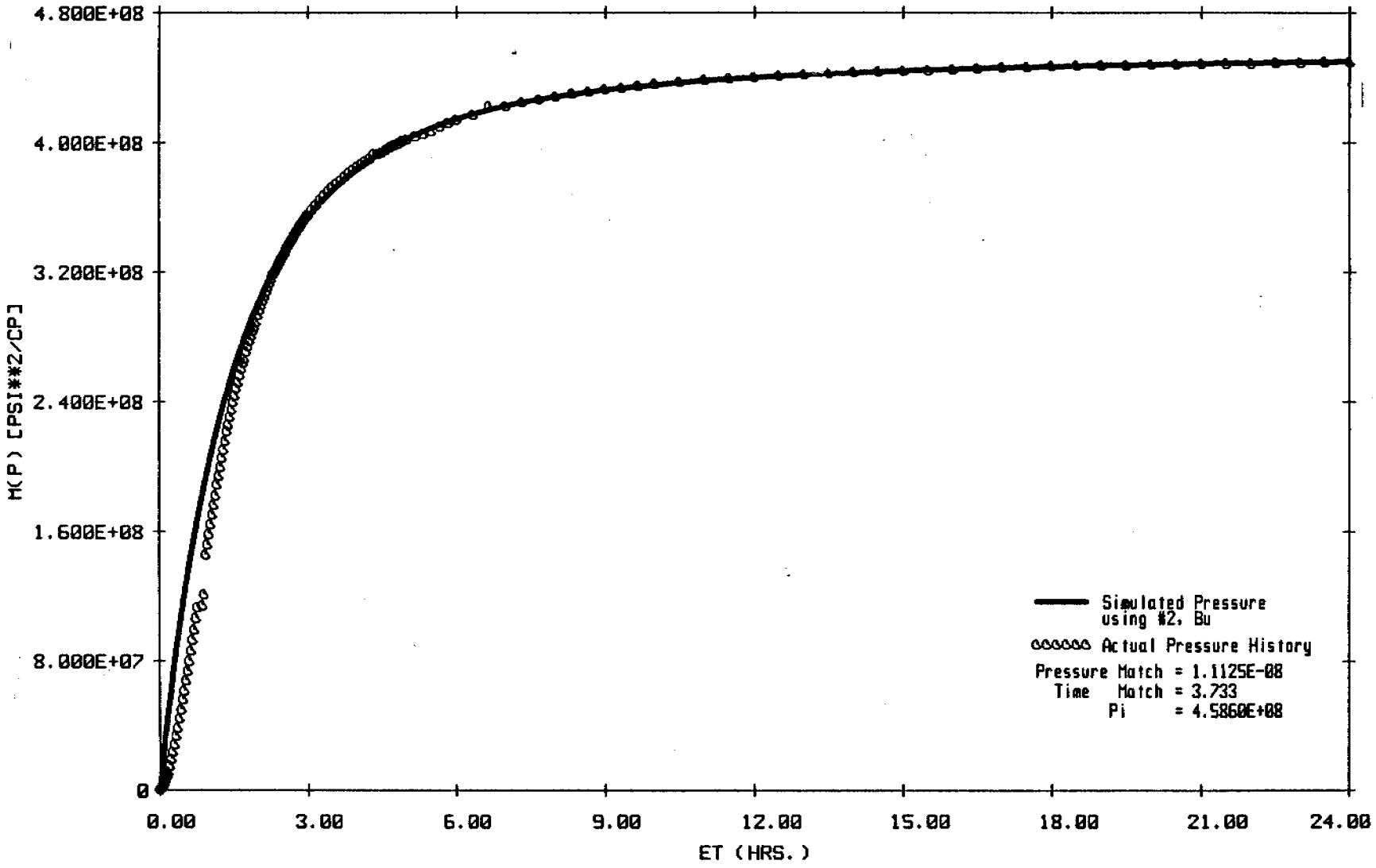
TYPE-CURVE : WELLBORE STORAGE & SKIN (HOMOGENEOUS)
CD*E(2S)=2.86E+03

© 1987 SCHLUMBERGER

REPORT NO.
101088
PAGE NO. 5

PRESSURE HISTORY MATCH
SIMULATION

Schlumberger



TYPE-CURVE : WELLBORE STORAGE & SKIN (HOMOGENEOUS)
PRESSURE HISTORY MATCH (SIMULATION)

© 1987 SCHLUMBERGER

TEST PRODUCTION HISTORY
CELSIUS ENERGY CO.
BUGWELL #6 - CH-DST #1

Schlumberger

ET VS. FLOWRATE

CELSIUS ENERGY CO.
BUG #6 - CH-DST #1 - USING LAST RATE AND CALC. Tp(effective)

	ET (HRS.)	FLOWRATE (MSCF/D)
1	-4.3040	11.520
2	0.00000E+00	0.00000E+00

© 1987 SCHLUMBERGER

SEQUENCE OF EVENTS

Schlumberger

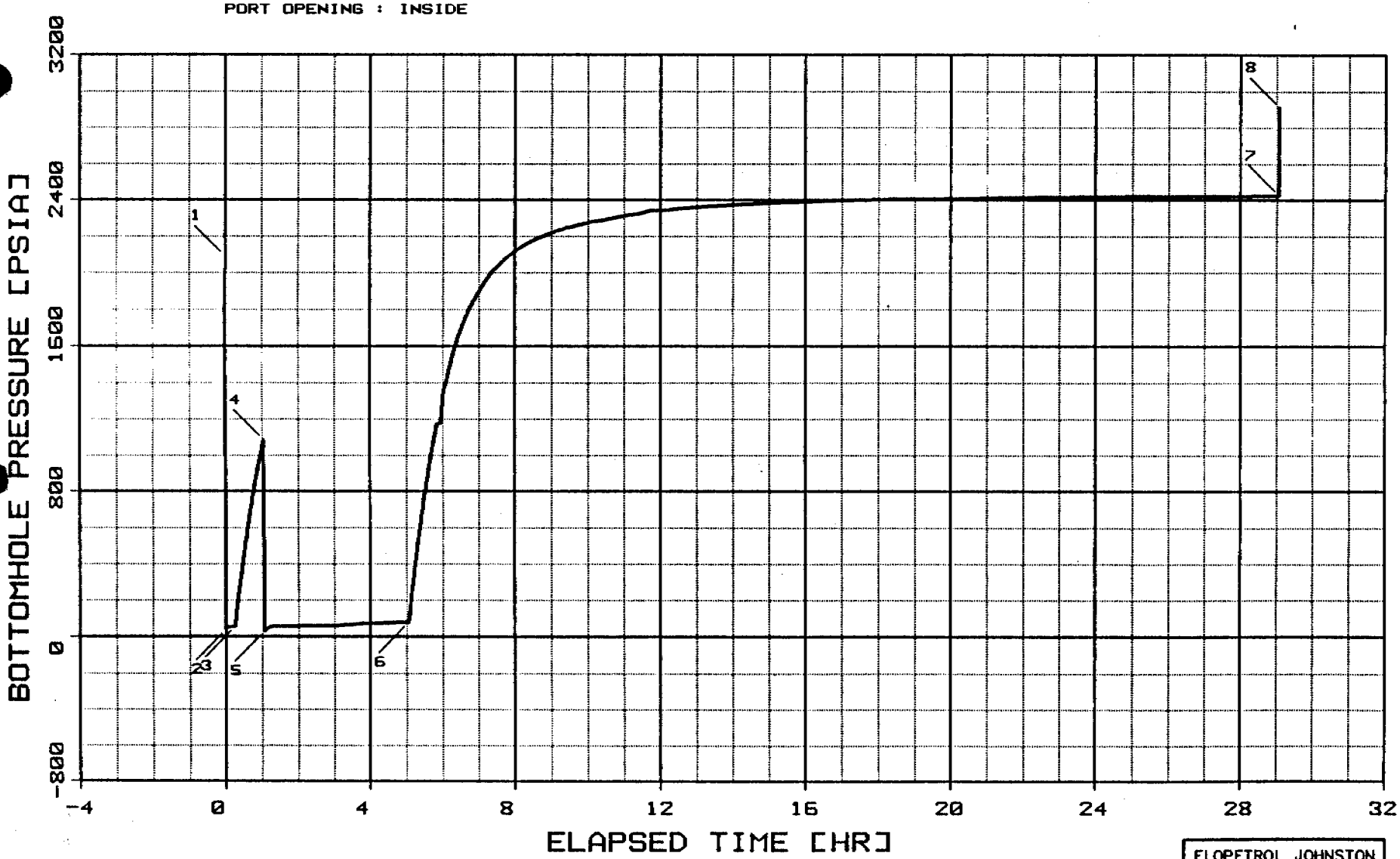
EVENT NO.	DATE	TIME (HR:MIN)	DESCRIPTION	ELAPSED TIME (HR)	BHP (PSIA)	WHP (PSIG)
1	08-APR	1005	SET PACKER	-0.017	2091	
2		1006	OPENED TOOL - 1/8" CHOKE	0.000	36	1
		1011	8.6 MSCF/D			10
		1016	9.4 MSCF/D			12.25
3		1021	CLOSED FOR INITIAL SHUTIN	0.250	53	14.5
			10 MSCF/D			
4		1106	FINISHED SHUT-IN	1.050	1082	
5		1107	RE-OPENED TOOL - 1/8" CK.	1.067	28	1
		1109	12 MSCF/D			20
		1112	12.8 MSCF/D			22.25
		1117	12.7 MSCF/D			22
		1122	12.7 MSCF/D			22
		1137	12.6 MSCF/D			21.5
		1152	12.4 MSCF/D			21
		1207	12 MSCF/D			20
		1222	12 MSCF/D			20
		1237	11.9 MSCF/D			19.5
		1307	11.8 MSCF/D			19.25
		1337	11.7 MSCF/D			19
		1407	11.52 MSCF/D			18.5
6		1507	CLOSED FOR FINAL SHUT-IN	5.067	76	18.5
			Q-last = 11.52 MSCF/D			
7	09-APR	1507	FINISHED SHUT-IN	29.067	2426	
8		1508	PULLED PACKER LOOSE	29.083	2912	
			NOTE: S.C. HAD WATER WITH			
			TRACE OF CEMENT (FILLED			
			CASING AFTER SET PACKER)			

© 1987 SCHLUMBERGER

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 101088
INSTRUMENT NO. 040
DEPTH : 5641 FT
CAPACITY : 4700 PSI
PORT OPENING : INSIDE

COMPANY : CELSIUS ENERGY CO.
WELL : BUG #6



FLOPETROL JOHNSTON
Schlumberger

****
* WELL TEST DATA PRINTOUT *
****

FIELD REPORT # : 101088

COMPANY : CELSIUS ENERGY CO.
WELL : BUGWELL #6

INSTRUMENT # : 040
CAPACITY [PSI] : 4700.
DEPTH [FT] : 5641.0
PORT OPENING : INSIDE
TEMPERATURE [DEG F] : 135.0

LABEL POINT INFORMATION

#	TIME OF DAY HH:MM:SS	DATE DD-MM	EXPLANATION	ELAPSED TIME, HR	BOT HOLE PRESSURE PSIA
1	10: 5: 0	8-AP	HYDROSTATIC MUD	-0.017	2091
2	10: 6: 0	8-AP	START FLOW	0.000	36
3	10:21: 0	8-AP	END FLOW & START SHUT-IN	0.250	53
4	11: 9: 0	8-AP	END SHUT-IN	1.050	1082
5	11:10: 0	8-AP	START FLOW	1.067	28
6	15:10: 0	8-AP	END FLOW & START SHUT-IN	5.067	76
7	15:10: 0	9-AP	END SHUT-IN	29.067	2426
8	15:11: 0	9-AP	HYDROSTATIC MUD	29.083	2912

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, HR	END ELAPSED TIME, HR	DURATION HR	START PRESSURE PSIA	END PRESSURE PSIA
1	0.000	0.250	0.250	36	53
2	1.067	5.067	4.000	28	76

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME, HR	END ELAPSED TIME, HR	DURATION HR	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, HR
1	0.250	1.050	0.800	53	1082	53	0.250
2	5.067	29.067	24.000	76	2426	76	4.250

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA
10: 6: 0	8-AP	0.000	0.000	36
10:12: 0	8-AP	0.100	0.100	51
10:18: 0	8-AP	0.200	0.200	53
10:24: 0	8-AP	0.300	0.300	142
10:30: 0	8-AP	0.400	0.400	303
10:36: 0	8-AP	0.500	0.500	450
10:42: 0	8-AP	0.600	0.600	589
10:48: 0	8-AP	0.700	0.700	715
10:54: 0	8-AP	0.800	0.800	837
11: 0: 0	8-AP	0.900	0.900	944
11: 6: 0	8-AP	1.000	1.000	1041
11:12: 0	8-AP	1.100	1.100	33

***** LABEL POINT DATA DOES NOT MATCH DATA IN PRESSURE FILE *****
GET A PRELIMINARY PRINTOUT; FIND THE BAD LABEL POINT(S); EDIT THE
BAD LABEL POINT(S) BY CHANGING THE ELAPSED TIME (RE-INPUT THE SAME ELAPSED
TIME --- THE CORRECT PRESSURE WILL THEN BE RETRIEVED FROM THE PRESSURE FILE).

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA
11:10: 0	8-AP	1.067	0.000	28
11:16: 0	8-AP	1.167	0.100	42
11:22: 0	8-AP	1.267	0.200	53
11:28: 0	8-AP	1.367	0.300	54
11:34: 0	8-AP	1.467	0.400	54
11:40: 0	8-AP	1.567	0.500	55
11:46: 0	8-AP	1.667	0.600	55
11:52: 0	8-AP	1.767	0.700	55
11:58: 0	8-AP	1.867	0.800	55
12: 4: 0	8-AP	1.967	0.900	55
12:10: 0	8-AP	2.067	1.000	56
12:16: 0	8-AP	2.167	1.100	56
12:22: 0	8-AP	2.267	1.200	56
12:28: 0	8-AP	2.367	1.300	56
12:34: 0	8-AP	2.467	1.400	56
12:40: 0	8-AP	2.567	1.500	56
12:46: 0	8-AP	2.667	1.600	56
12:52: 0	8-AP	2.767	1.700	56
12:58: 0	8-AP	2.867	1.800	56
13: 4: 0	8-AP	2.967	1.900	57
13:10: 0	8-AP	3.067	2.000	58
13:16: 0	8-AP	3.167	2.100	60

TEST PHASE : FLOW PERIOD # 2

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA
13:22: 0	8-AP	3.267	2.200	61
13:28: 0	8-AP	3.367	2.300	63
13:34: 0	8-AP	3.467	2.400	64
13:40: 0	8-AP	3.567	2.500	65
13:46: 0	8-AP	3.667	2.600	67
13:52: 0	8-AP	3.767	2.700	69
13:58: 0	8-AP	3.867	2.800	69
14: 4: 0	8-AP	3.967	2.900	70
14:10: 0	8-AP	4.067	3.000	70
14:16: 0	8-AP	4.167	3.100	71
14:22: 0	8-AP	4.267	3.200	71
14:28: 0	8-AP	4.367	3.300	73
14:34: 0	8-AP	4.467	3.400	73
14:40: 0	8-AP	4.567	3.500	74
14:46: 0	8-AP	4.667	3.600	74
14:52: 0	8-AP	4.767	3.700	75
14:58: 0	8-AP	4.867	3.800	75
15: 4: 0	8-AP	4.967	3.900	76
15:10: 0	8-AP	5.067	4.000	76

TEST PHASE : SHUTIN PERIOD # 2
FINAL FLOW PRESSURE [PSIA] = 76
PRODUCING TIME [HR] = 4.250

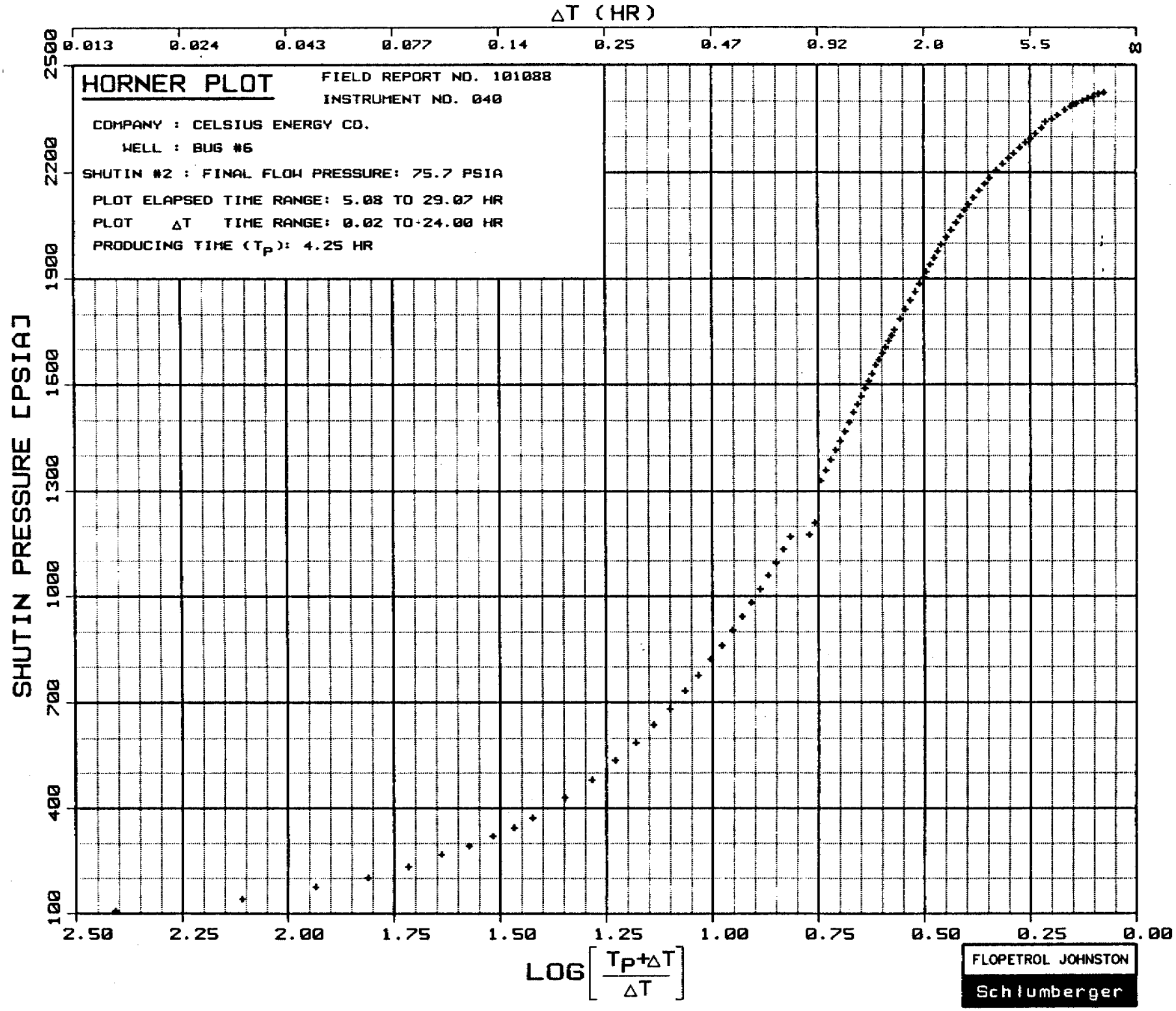
TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
15:10: 0	8-AP	5.067	0.000	76	0	
15:10:36	8-AP	5.077	0.010	94	19	2.629
15:11:12	8-AP	5.087	0.020	113	38	2.329
15:11:48	8-AP	5.097	0.030	134	58	2.154
15:12:24	8-AP	5.107	0.040	154	78	2.030
15:13: 0	8-AP	5.117	0.050	175	99	1.934
15:13:36	8-AP	5.127	0.060	191	115	1.856
15:14:12	8-AP	5.137	0.070	207	132	1.790
15:14:48	8-AP	5.147	0.080	226	150	1.733
15:15:24	8-AP	5.157	0.090	246	170	1.683
15:16: 0	8-AP	5.167	0.100	267	191	1.638
15:17:12	8-AP	5.187	0.120	297	221	1.561
15:18:24	8-AP	5.207	0.140	329	253	1.496
15:19:36	8-AP	5.227	0.160	360	285	1.440
15:20:48	8-AP	5.247	0.180	394	319	1.391
15:22: 0	8-AP	5.267	0.200	429	353	1.347
15:23:12	8-AP	5.287	0.220	459	384	1.308
15:24:24	8-AP	5.307	0.240	491	415	1.272
15:25:36	8-AP	5.327	0.260	524	448	1.239

TEST PHASE : SHUTIN PERIOD # 2
FINAL FLOW PRESSURE [PSIA] = 76
PRODUCING TIME [HR] = 4.250

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
15:26:48	8-AP	5.347	0.280	555	480	1.209
15:28: 0	8-AP	5.367	0.300	586	510	1.181
15:29:12	8-AP	5.387	0.320	616	540	1.155
15:30:24	8-AP	5.407	0.340	645	570	1.130
15:31:36	8-AP	5.427	0.360	672	597	1.107
15:32:48	8-AP	5.447	0.380	701	626	1.086
15:34: 0	8-AP	5.467	0.400	732	656	1.065
15:35:12	8-AP	5.487	0.420	758	682	1.046
15:36:24	8-AP	5.507	0.440	784	708	1.028
15:37:36	8-AP	5.527	0.460	811	736	1.010
15:38:48	8-AP	5.547	0.480	836	760	0.994
15:40: 0	8-AP	5.567	0.500	859	783	0.978
15:46: 0	8-AP	5.667	0.600	981	905	0.908
15:52: 0	8-AP	5.767	0.700	1094	1018	0.850
15:58: 0	8-AP	5.867	0.800	1171	1095	0.800
16: 4: 0	8-AP	5.967	0.900	1209	1133	0.758
16:10: 0	8-AP	6.067	1.000	1388	1312	0.720
16:16: 0	8-AP	6.167	1.100	1467	1392	0.687
16:22: 0	8-AP	6.267	1.200	1543	1467	0.657
16:28: 0	8-AP	6.367	1.300	1609	1533	0.630
16:34: 0	8-AP	6.467	1.400	1669	1594	0.606
16:40: 0	8-AP	6.567	1.500	1723	1647	0.584
16:46: 0	8-AP	6.667	1.600	1769	1693	0.563
16:52: 0	8-AP	6.767	1.700	1813	1737	0.544
16:58: 0	8-AP	6.867	1.800	1850	1774	0.526
17: 4: 0	8-AP	6.967	1.900	1885	1809	0.510
17:10: 0	8-AP	7.067	2.000	1918	1843	0.495
18:10: 0	8-AP	8.067	3.000	2127	2051	0.383
19:10: 0	8-AP	9.067	4.000	2223	2148	0.314
20:10: 0	8-AP	10.067	5.000	2277	2201	0.267
21:10: 0	8-AP	11.067	6.000	2315	2240	0.233
22:10: 0	8-AP	12.067	7.000	2341	2266	0.206
23:10: 0	8-AP	13.067	8.000	2360	2284	0.185
0:10: 0	9-AP	14.067	9.000	2374	2298	0.168
1:10: 0	9-AP	15.067	10.000	2384	2309	0.154
2:10: 0	9-AP	16.067	11.000	2392	2316	0.142
3:10: 0	9-AP	17.067	12.000	2398	2322	0.132
4:10: 0	9-AP	18.067	13.000	2403	2327	0.123
5:10: 0	9-AP	19.067	14.000	2407	2331	0.115
6:10: 0	9-AP	20.067	15.000	2409	2333	0.108
7:10: 0	9-AP	21.067	16.000	2412	2336	0.102
8:10: 0	9-AP	22.067	17.000	2415	2340	0.097
9:10: 0	9-AP	23.067	18.000	2418	2342	0.092
10:10: 0	9-AP	24.067	19.000	2419	2344	0.088
11:10: 0	9-AP	25.067	20.000	2421	2345	0.084
12:10: 0	9-AP	26.067	21.000	2422	2346	0.080
13:10: 0	9-AP	27.067	22.000	2423	2347	0.077
14:10: 0	9-AP	28.067	23.000	2424	2348	0.074

TEST PHASE : SHUTIN PERIOD # 2
FINAL FLOW PRESSURE [PSIA] = 76
PRODUCING TIME [HR] = 4.250

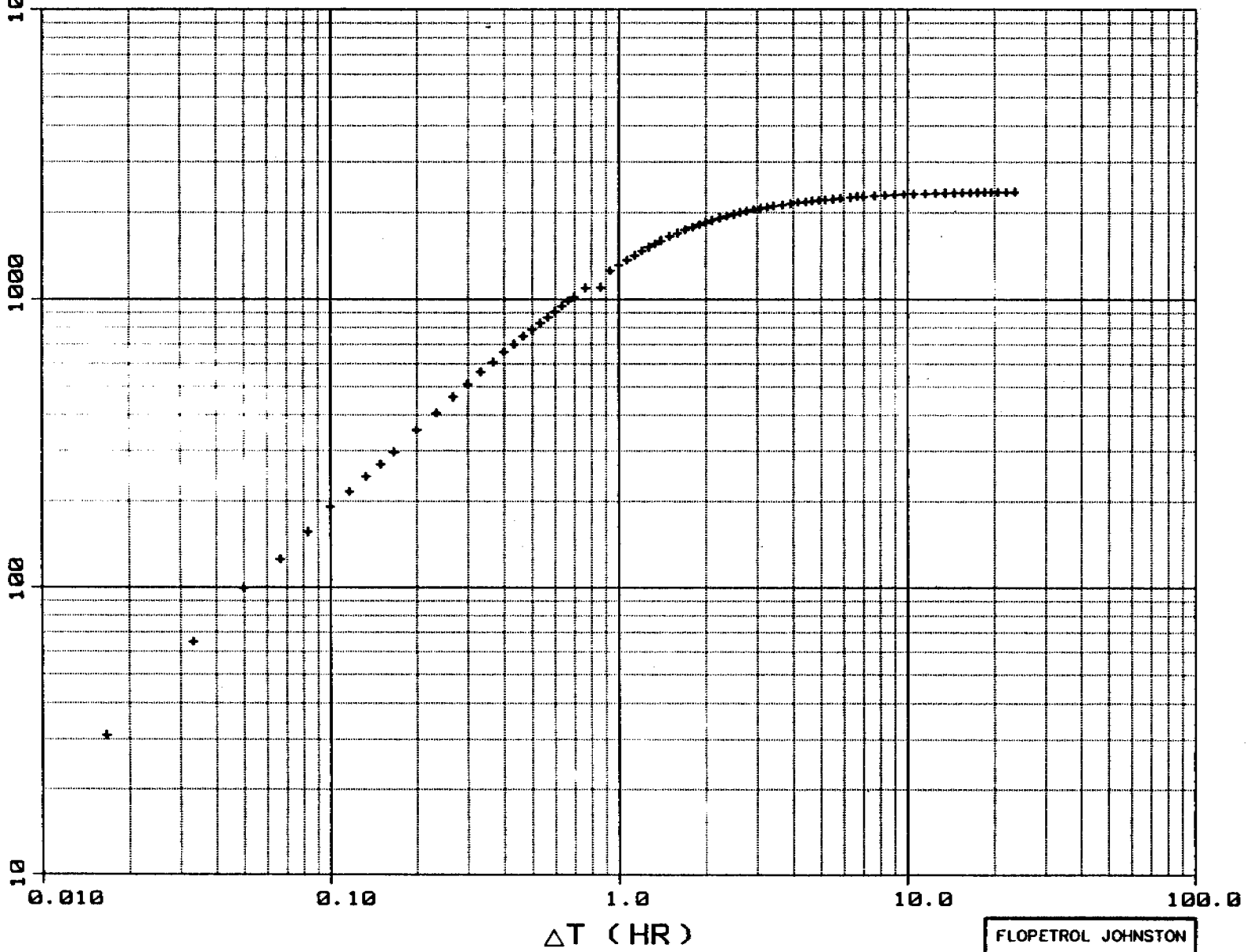
TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
15:10: 0	9-AP	29.067	24.000	2426	2350	0.071


HORNER PLOT
FIELD REPORT NO. 101088
INSTRUMENT NO. 040
COMPANY : CELSIUS ENERGY CO.
WELL : BUG #6
SHUTIN #2 : FINAL FLOW PRESSURE: 75.7 PSIA
PLOT ELAPSED TIME RANGE: 5.08 TO 29.07 HR
PLOT ΔT TIME RANGE: 0.02 TO 24.00 HR
PRODUCING TIME (Tp): 4.25 HR
ΔT (HR)
0.013
0.024
0.043
0.077
0.14
0.25
0.47
0.92
2.0
5.5
∞
SHUTIN PRESSURE [PSIA]
2500
2200
1900
1600
1300
1000
700
400
100
2.50
2.25
2.00
1.75
1.50
1.25
1.00
0.75
0.50
0.25
0.00
LOG [Tp+ΔT / ΔT]
FLOPETROL JOHNSTON
Schlumberger

LOG LOG PLOT

COMPANY : CELSIUS ENERGY CO.
WELL : BUG #6
FIELD REPORT NO. 101088
INSTRUMENT NO. 040

SHUTIN #2 :
FINAL FLOW PRESSURE (PWF): 75.7 PSIA
PLOT ELAPSED TIME RANGE: 5.08 TO 29.07 HR
PLOT ΔT TIME RANGE: 0.02 TO 24.00 HR



FLOPETROL JOHNSTON
Schlumberger

DISTRIBUTION OF REPORTS

Schlumberger

FLOPETROL JOHNSTON has sent copies of this report to the following:

Celsius Energy Company
Attn: Eric Marsh
1125 17th Street, Suite 2240
Denver, CO 80202

3

Any interpretations or recommendations are opinions and necessarily based on inferences and empirical factors and assumptions, which are not infallible. Accordingly, Schlumberger (Flopetrol Johnston) cannot and does not warrant the accuracy of correctness of any interpretation or measurement. Under no circumstances should any intepretation or measurement be relied upon as the sole basis for any drilling, completion, well treatment or production decision or any procedure involving risk to the safety of any drilling venture, drilling rig or its crew or any other individual. The Customer has full responsibility for all drilling, completion, well treatment, and production procedure, and all other activities relating to the drilling or production operation.

© 1987 SCHLUMBERGER

REPORT NO. 101089

PAGE NO. 1

TEST DATE: 10-APR-1990

S T A R™

A Schlumberger Transient Analysis Report
Based On Model Verified™ Interpretation
Of A Schlumberger Drillstem Test

Schlumberger

Company: CELSIUS ENERGY CO.

Well: BUG #6

TEST IDENTIFICATION
Test Type ..... MFE CH DST
Test No. 2
Formation ..... PARADOX
Test Interval (ft) ... 5591 - 5653
Reference Depth ..... KELLY BUSHING

WELL LOCATION
Field .....
County ..... SAN JUAN
State ..... UTAH
Sec/Twn/Rng S7 T36 R26
Elevation (ft) .....

HOLE CONDITIONS
Total Depth (MD/TVD)(ft) .
Hole Size (in) .....
Casing/Liner I.D. (in) ... 5.5" - 17#/FT.
Perf'd Interv./Nt Pay(ft). 5628 - 5634 / 6
Shot Density/Diameter(in). 4 SPF

MUD PROPERTIES
Mud Type ..... KCL WATER
Mud Weight (lb/gal) 9
Mud Resistivity (ohm.m) .. 0.075 @ 68 DEG. F.
Filtrate Resistiv.(ohm.m).
Filtrate Chlorides (ppm) . 114000

INITIAL TEST CONDITIONS
Initial Hydrostatic (psi). 2827
Gas Cushion Type ..... NONE
Surface Pressure (psi) ... --
Liquid Cushion Type ..... NONE
Cushion Length (ft) ..... --

TEST STRING CONFIGURATION
Pipe Length (ft)/I.D.(in). 5557 / 2.441
Collar Length ft/I.D.(in).
Packer Depths (ft) 5591
Bottomhole Choke Size(in). 1/2
Gauge Depth (ft)/Type .... 5574 / MECHANICAL

NET PIPE RECOVERY

Volume	Fluid Type	Properties
80 FT.	WATER	RW = 0.075 @ 68 DEG.
		114000 PPM CL.

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
0.26 SCF	GAS	ASSUMED 0.65 GRAV.
TRACE	WATER	
Press. 46	GOR:	GLR:

VALIDATION RESULTS
Model of Behavior ..... HOMOGENEOUS
Fluid Type Used ..... GAS
Reservoir Pressure (psi) . 2517
Transmissivity (md.ft/cp) 19.41
Permeability (md) 0.04
Skin Factor/Damage Ratio . 8.9
Storativity Ratio .....
Interporosity Flow Coeff..
Distance to Anomaly (ft).
Investigation Radius (ft). 4.0
Potentiometric Surf. (ft).

ROCK/FLUID/WELLBORE PROPERTIES
Oil Density (deg. API) ...
Basic Solids (%) 0
Gas Gravity 0.650
Water Cut (%) 0
Viscosity (cp) 1.23E-2
Tot. Compress. (1/psi) ... 7.03E-3
Porosity (%) 9
Reservoir Temperature (F). 135
Form.Vol.Factor (bbl/STB).

PRODUCTION RATE DURING TEST: 15.5 MCFD Qlast

COMMENTS:
THE BOTTOMHOLE PRESSURE SHUT-IN DATA WAS ANALYZED USING LOG-LOG ANALYSIS TECHNIQUES TO DETERMINE THE RESERVOIR BEHAVIOR MODEL AND RESERVOIR PARAMETERS OF P*, Kh/u, AND SKIN. ANALYSIS OF THE SHUT-IN DATA INDICATES THE PRESENCE OF A HOMOGENEOUS SYSTEM WITH WE STORAGE AND SKIN IN EARLY TIME AND TRANSITIONAL FLOW REGIME IN LATE TIME; INFINITE-RADIAL FLOW REGIME WAS JUST BEGINNING IN LATE TIME. THE DATA WAS MODEL-VERIFIED(tm) TO CONFIRM THE ACCURACY OF THE RESERVOIR MODEL CHOSEN AND THE ANALYSIS RESULTS, WITH GOOD AGREEMENT BETWEEN THE THEORETICAL MODEL RESPONSE AND THE ACTUAL DATA. SEE THE ANALYSIS PLOTS BEGINNING ON PAGE 2 OF THIS REPORT.

© 1987 SCHLUMBERGER

GAS WELL
LOG-LOG ANALYSIS

Schlumberger

'log([mCp]-mCp(Dt=0)]]) versus log(Dt)' PLOT

WELLBORE STORAGE AND SKIN
after:Gringarten A.C. et al. SPE 8205
Las Vegas,Nev.,Sept 23-26,1979

DATA IDENTIFICATION

Flow period# 2

[ ] Drawdown [X] Build-up

[X] mCp(Dt=0)]= 8.5456E+05 psi2/cp

[X] Duration of previous flow period:tp= 2.8240 hr

FLOW REGIME IDENTIFICATION

[X] WELLBORE STORAGE:
Unit-slope straight line — ENDS at Dt= (Unknown) hr

[X] INFINITE ACTING RADIAL FLOW:
Semi-log straight line — STARTS at Dt= (Unknown) hr
ENDS at Dt= (Unknown) hr

[ ] BOUNDARY EFFECTS:
No-flow:pseudo steady-state — STARTS at Dt=
Constant pressure — STARTS at Dt=

TYPE-CURVE MATCH

[X] Match-point:pD= 1.8138E-08 | Dm(p)= 1
tD/CD= 6.5276 | Dt= 1

[X] Match curve:CDe(2S)= 9.6495E7

CALCULATIONS

[X] kh(from pressure match) = 0.23802 md.ft

[ ] C(from unit slope straight line) =

[ ] kh(from time match) =

[X] C(from time match) = 8.7727E-04 Bbl/psi

[X] CD = 1.9191

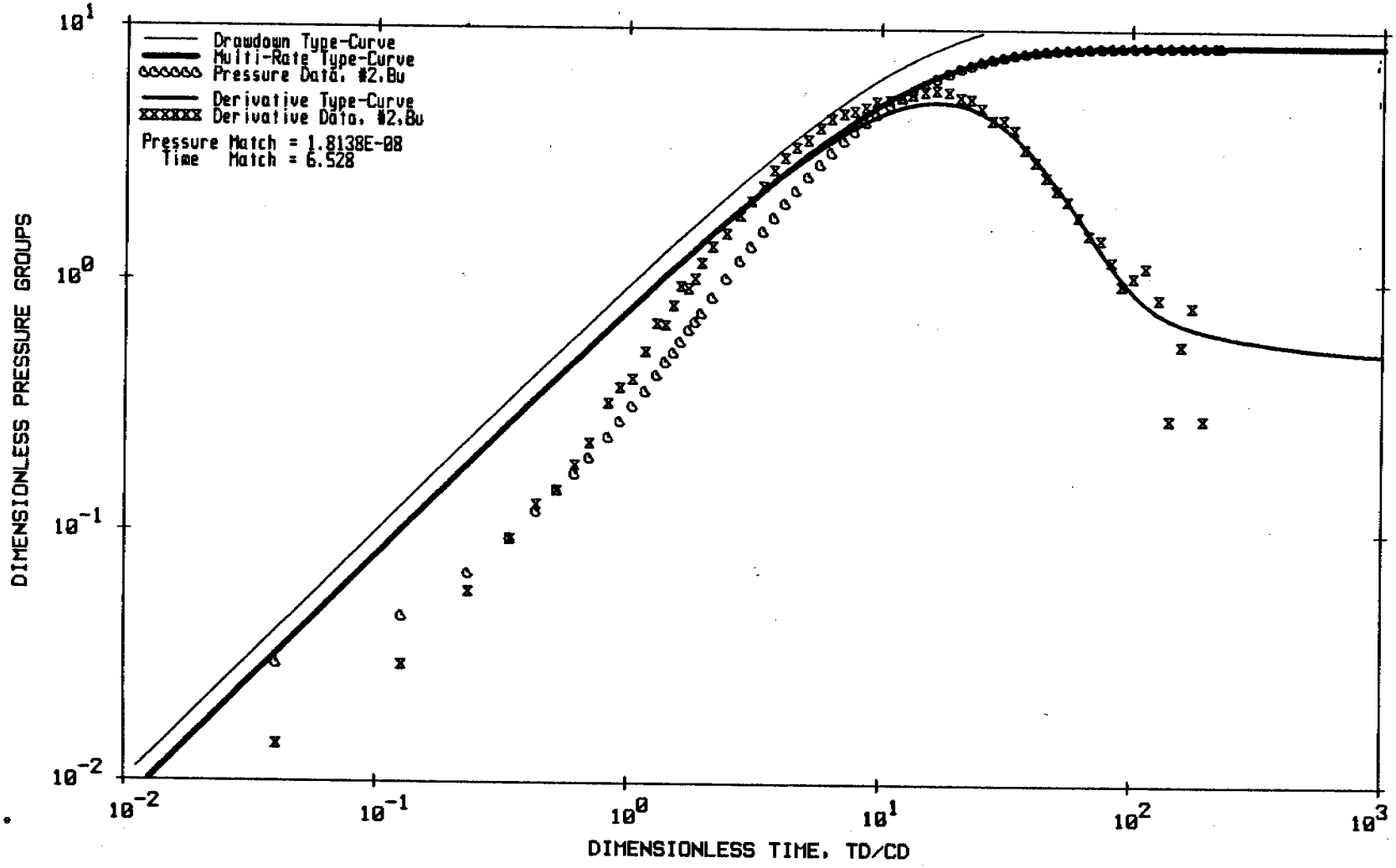
[X] k = 0.039670 md

[X] S' = 8.8666

COMMENTS

© 1987 SCHLUMBERGER

DIMENSIONLESS MULTI-RATE PLOT : LOG-LOG MATCH FOR #2, Bu



TYPE-CURVE : WELLBORE STORAGE & SKIN (HOMOGENEOUS)
CD*E(2S)=9.65E+07

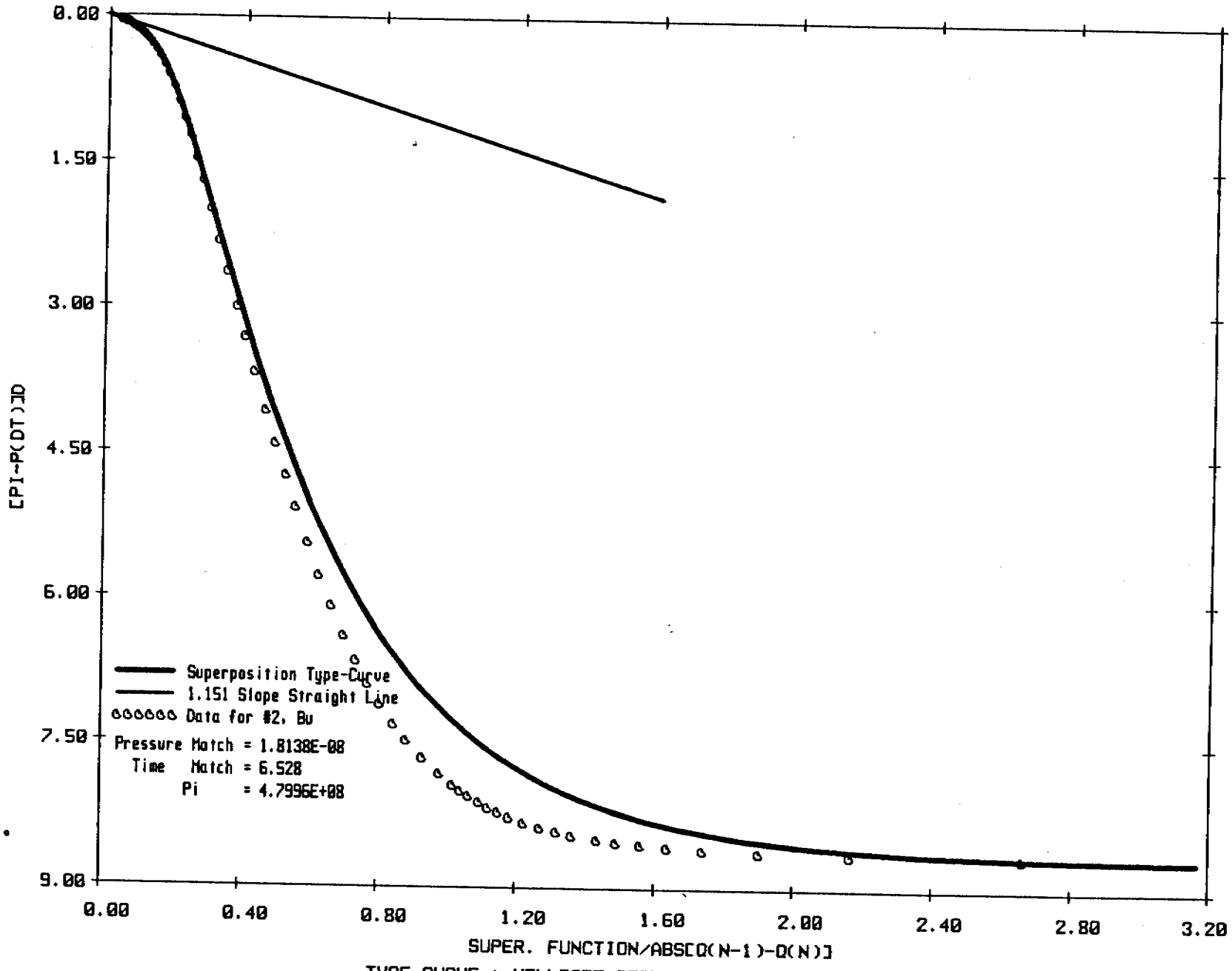
Schlumberger

© 1987 SCHLUMBERGER

REPORT NO.
101089
PAGE NO. 4

DIMENSIONLESS SUPERPOSITION PLOT FOR #2, Bu

Schlumberger



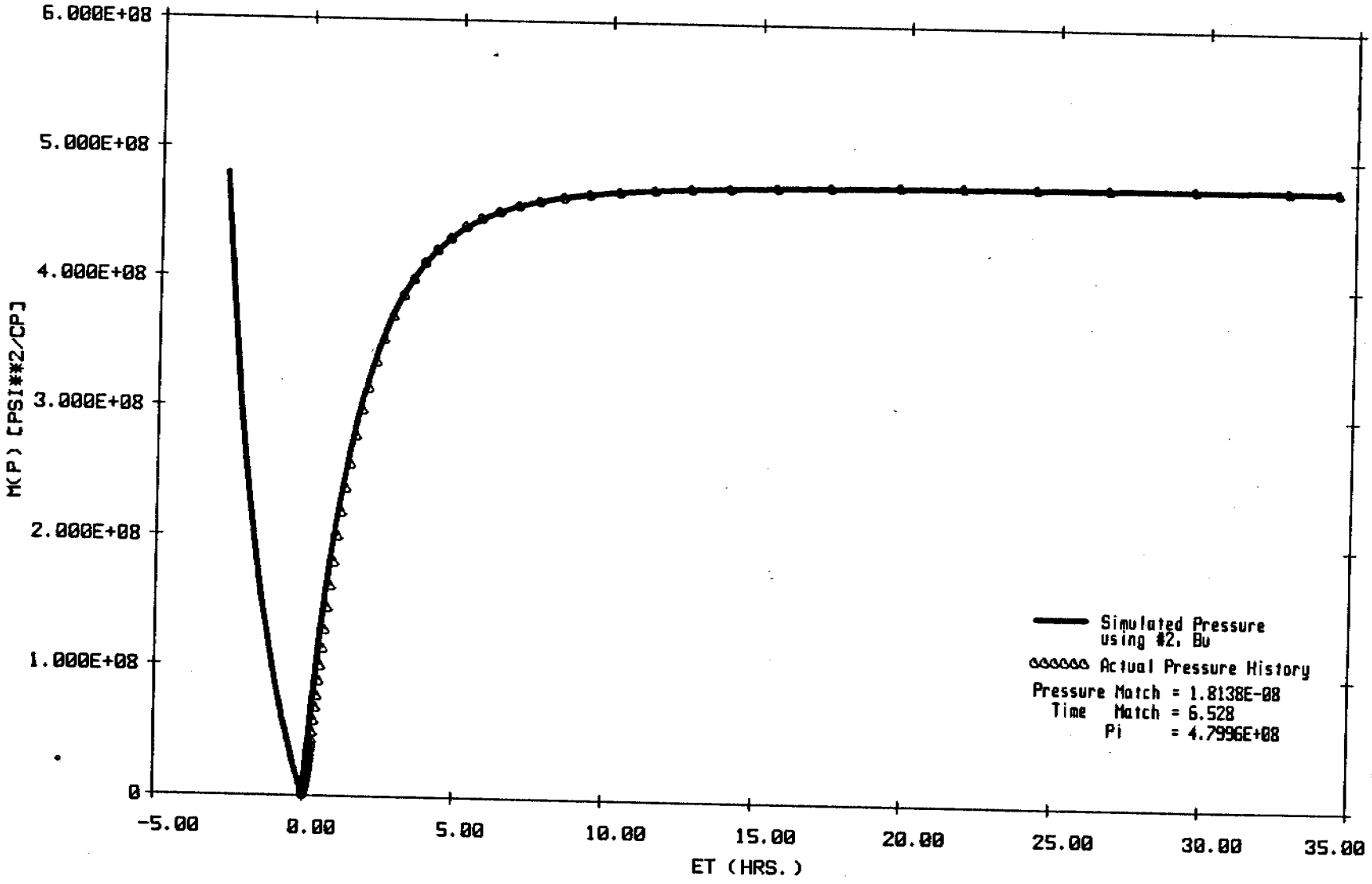
TYPE-CURVE : WELLBORE STORAGE & SKIN (HOMOGENEOUS)
CD*E(2S)=9.65E+07

© 1987 SCHLUMBERGER

REPORT NO.
101089
PAGE NO. 5

PRESSURE HISTORY MATCH
SIMULATION

Schlumberger



TYPE-CURVE : WELLBORE STORAGE & SKIN (HOMOGENEOUS)
PRESSURE HISTORY MATCH (SIMULATION)

© 1987 SCHLUMBERGER

TEST FLOWRATE DATA
CELSIUS ENERGY CO.
BUG #6 - CH-DST #2

Schlumberger

ET VS. FLOWRATE

USING LAST FLOWRATE AND CALCULATED Tp(effective)
CELSIUS ENERGY CO. - BUG #6 - CH-DST #2 - CONDUCTED 10-APR-1990

	ET (HRS.)	FLOWRATE (MSCF/D)
1	-2.8240	15.510
2	0.00000E+00	0.00000E+00

© 1987 SCHLUMBERGER

SEQUENCE OF EVENTS

Schlumberge

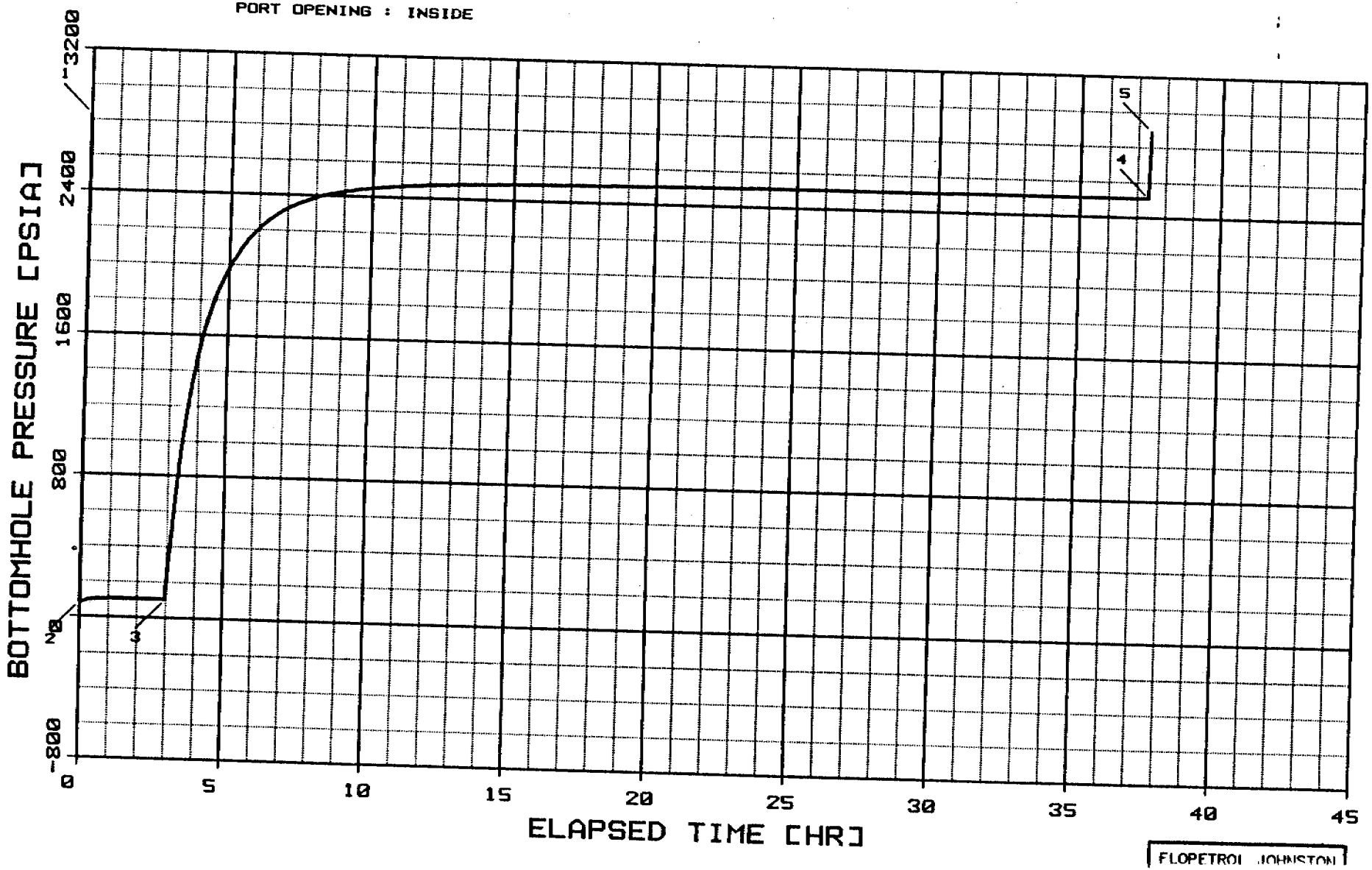
EVENT NO.	DATE	TIME (HR:MIN)	DESCRIPTION	ELAPSED TIME (HRS.)	BHP (PSIA)	WHP (PSIG)
1	10-APR	1717	SET PACKER	-0.005	2827	
2		1718	OPENED TOOL - 1/8" CHOKE	0.000	78	
		1723	7.9 MSCF/D			8
		1728	9.8 MSCF/D			13.5
		1733	10.8 MSCF/D			16.5
		1738	11.95 MSCF/D			19.75
		1743	12.9 MSCF/D			22.5
		1748	13.6 MSCF/D			24.5
		1803	14.3 MSCF/D			26.5
		1818	14.8 MSCF/D			28
		1833	15.25 MSCF/D			29.25
		1848	15.51 MSCF/D			30
3		2018	CLOSED FOR SHUT-IN	3.001	102	30
			LAST RATE = 15.51 MSCF/D			
4	12-APR	0643	FINISHED SHUT-IN	37.417	2509	
5		0644	PULLED PACKER LOOSE	37.464	2887	
			NOTE: RBP @ 5653 FT.			

© 1987 SCHLUMBERGER

BOTTOMHOLE PRESSURE LOG

FIELD REPORT NO. 101089
INSTRUMENT NO. 040
DEPTH : 5574 FT
CAPACITY : 4700 PSI
PORT OPENING : INSIDE

COMPANY : CELSIUS ENERGY COMPANY
WELL : BUG # 6



FLOPETROL JOHNSTON

****
* WELL TEST DATA PRINTOUT *
****

FIELD REPORT # : 101089

COMPANY : CELSIUS ENERGY COMPANY
WELL : BUG # 6

INSTRUMENT # : 040
CAPACITY [PSI] : 4700.
DEPTH [FT] : 5574.0
PORT OPENING : INSIDE
TEMPERATURE [DEG F] : 135.0

LABEL POINT INFORMATION
****

#	TIME OF DAY HH:MM:SS	DATE DD-MM	EXPLANATION	ELAPSED TIME, HR	BOT HOLE PRESSURE PSIA
1	17:18:19	10-AP	HYDROSTATIC MUD	0.005	2827
2	17:18: 0	10-AP	START FLOW	0.000	78
3	20:18: 2	10-AP	END FLOW & START SHUT-IN	3.000	102
4	6:43: 0	12-AP	END SHUT-IN	37.417	2509
5	6:45:50	12-AP	HYDROSTATIC MUD	37.464	2887

SUMMARY OF FLOW PERIODS
****

PERIOD	START ELAPSED TIME, HR	END ELAPSED TIME, HR	DURATION HR	START PRESSURE PSIA	END PRESSURE PSIA
1	0.000	3.000	3.000	78	102

SUMMARY OF SHUTIN PERIODS
****

PERIOD	START ELAPSED TIME, HR	END ELAPSED TIME, HR	DURATION HR	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, HR
1	3.000	37.417	34.416	102	2509	102	3.000

TEST PHASE : FLOW PERIOD # 1

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA
17:18: 0	10-AP	0.000	0.000	78
17:24: 0	10-AP	0.100	0.100	81
17:30: 0	10-AP	0.200	0.200	89
17:36: 0	10-AP	0.300	0.300	93
17:42: 0	10-AP	0.400	0.400	95
17:48: 0	10-AP	0.500	0.500	97
17:54: 0	10-AP	0.600	0.600	99
18: 0: 0	10-AP	0.700	0.700	100
18: 6: 0	10-AP	0.800	0.800	100
18:12: 0	10-AP	0.900	0.900	101
18:18: 0	10-AP	1.000	1.000	101
18:24: 0	10-AP	1.100	1.100	102
18:30: 0	10-AP	1.200	1.200	102
18:36: 0	10-AP	1.300	1.300	102
18:42: 0	10-AP	1.400	1.400	102
18:48: 0	10-AP	1.500	1.500	102
18:54: 0	10-AP	1.600	1.600	102
19: 0: 0	10-AP	1.700	1.700	102
19: 6: 0	10-AP	1.800	1.800	102
19:12: 0	10-AP	1.900	1.900	102
19:18: 0	10-AP	2.000	2.000	102
19:24: 0	10-AP	2.100	2.100	102
19:30: 0	10-AP	2.200	2.200	102
19:36: 0	10-AP	2.300	2.300	102
19:42: 0	10-AP	2.400	2.400	102
19:48: 0	10-AP	2.500	2.500	102
19:54: 0	10-AP	2.600	2.600	102
20: 0: 0	10-AP	2.700	2.700	102
20: 6: 0	10-AP	2.800	2.800	102
20:12: 0	10-AP	2.900	2.900	102
20:18: 0	10-AP	3.000	3.000	102
20:18: 2	10-AP	3.000	3.000	102

TEST PHASE : SHUTIN PERIOD # 1
FINAL FLOW PRESSURE [PSIA] = 102
PRODUCING TIME [HR] = 3.000

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
20:18: 2	10-AP	3.000	0.000	102	0	
20:18:38	10-AP	3.011	0.010	182	80	2.479
20:19:14	10-AP	3.020	0.020	203	101	2.179
20:19:50	10-AP	3.030	0.030	224	122	2.004
20:20:26	10-AP	3.040	0.040	245	143	1.881
20:21: 2	10-AP	3.050	0.050	265	164	1.785

TEST PHASE : SHUTIN PERIOD # 1
FINAL FLOW PRESSURE [PSIA] = 102
PRODUCING TIME [HR] = 3.000

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
20:21:38	10-AP	3.061	0.060	286	184	1.708
20:22:14	10-AP	3.070	0.070	307	205	1.642
20:22:50	10-AP	3.081	0.080	327	225	1.586
20:23:26	10-AP	3.090	0.090	343	241	1.536
20:24: 2	10-AP	3.100	0.100	361	259	1.491
20:25:14	10-AP	3.120	0.120	396	294	1.415
20:26:26	10-AP	3.140	0.140	434	332	1.351
20:27:38	10-AP	3.161	0.160	469	367	1.296
20:28:50	10-AP	3.181	0.180	502	400	1.247
20:30: 2	10-AP	3.201	0.200	540	438	1.204
20:31:14	10-AP	3.220	0.220	577	475	1.166
20:32:26	10-AP	3.240	0.240	611	509	1.130
20:33:38	10-AP	3.261	0.260	648	546	1.098
20:34:50	10-AP	3.280	0.280	679	577	1.069
20:36: 2	10-AP	3.300	0.300	712	610	1.041
20:37:14	10-AP	3.320	0.320	746	644	1.016
20:38:26	10-AP	3.341	0.340	777	675	0.992
20:39:38	10-AP	3.361	0.360	806	704	0.970
20:40:50	10-AP	3.381	0.380	838	736	0.949
20:42: 2	10-AP	3.401	0.400	866	764	0.929
20:43:14	10-AP	3.421	0.420	892	791	0.911
20:44:26	10-AP	3.441	0.440	922	820	0.893
20:45:38	10-AP	3.461	0.460	959	857	0.876
20:46:50	10-AP	3.480	0.480	974	872	0.860
20:48: 2	10-AP	3.501	0.500	998	896	0.845
20:54: 2	10-AP	3.601	0.600	1123	1021	0.778
21: 0: 2	10-AP	3.701	0.700	1236	1134	0.723
21: 6: 2	10-AP	3.801	0.800	1335	1233	0.677
21:12: 2	10-AP	3.901	0.900	1421	1319	0.637
21:18: 2	10-AP	4.001	1.000	1501	1400	0.602
21:24: 2	10-AP	4.101	1.100	1575	1473	0.571
21:30: 2	10-AP	4.201	1.200	1641	1539	0.544
21:36: 2	10-AP	4.300	1.300	1695	1593	0.520
21:42: 2	10-AP	4.400	1.400	1748	1647	0.497
21:48: 2	10-AP	4.501	1.500	1795	1693	0.477
21:54: 2	10-AP	4.601	1.600	1838	1736	0.459
22: 0: 2	10-AP	4.701	1.700	1878	1777	0.442
22: 6: 2	10-AP	4.800	1.800	1916	1814	0.426
22:12: 2	10-AP	4.900	1.900	1949	1847	0.411
22:18: 2	10-AP	5.001	2.000	1980	1879	0.398
23:18: 2	10-AP	6.001	3.000	2204	2102	0.301
0:18: 2	11-AP	7.001	4.000	2323	2221	0.243
1:18: 2	11-AP	8.001	5.000	2388	2286	0.204
2:18: 2	11-AP	9.001	6.000	2426	2325	0.176
3:18: 2	11-AP	10.001	7.000	2450	2348	0.155
4:18: 2	11-AP	11.001	8.000	2465	2363	0.138
5:18: 2	11-AP	12.001	9.000	2475	2373	0.125
6:18: 2	11-AP	13.001	10.000	2482	2380	0.114

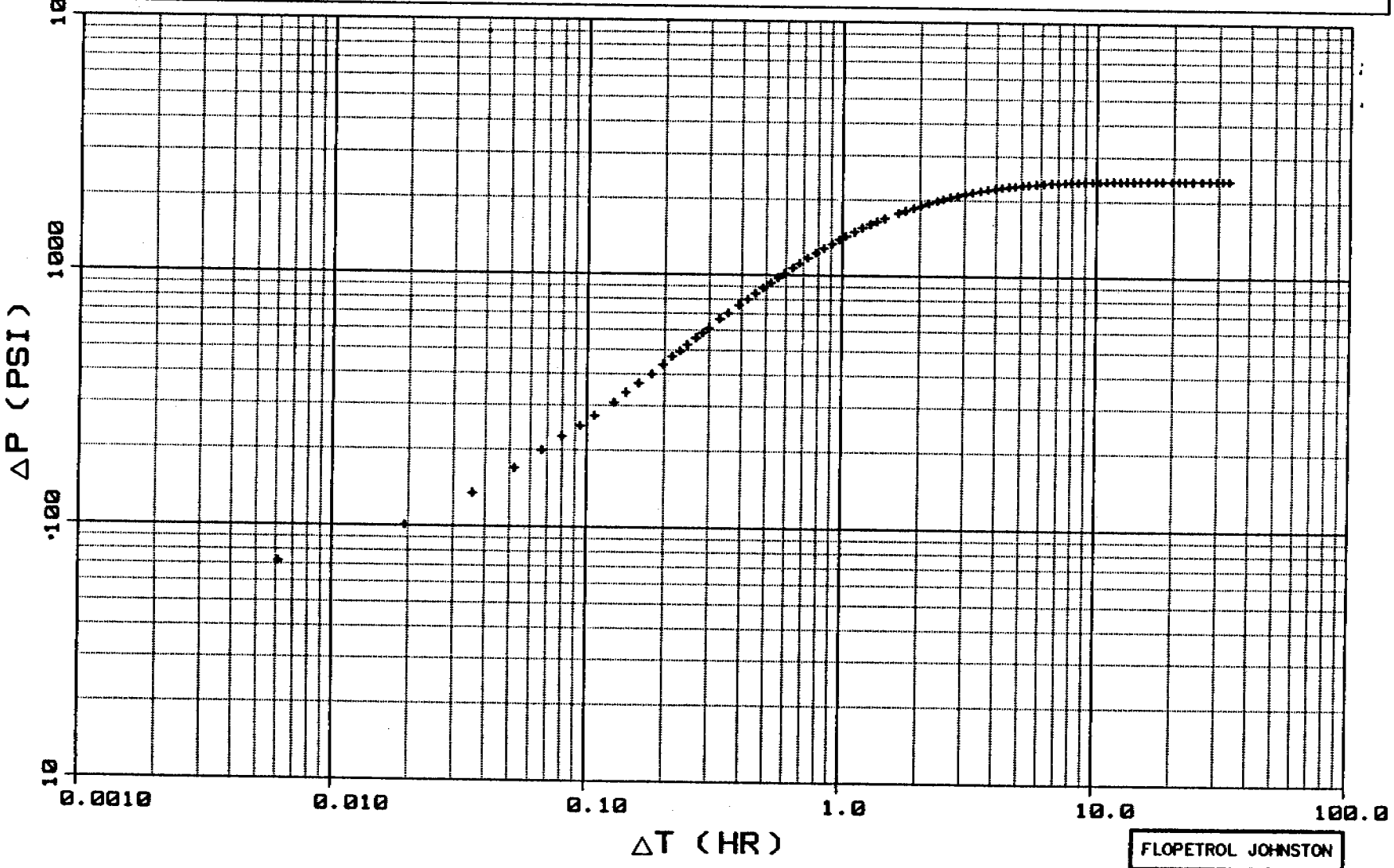
TEST PHASE : SHUTIN PERIOD # 1
FINAL FLOW PRESSURE [PSIA] = 102
PRODUCING TIME [HR] = 3.000

TIME OF DAY HH:MM:SS	DATE DD-MM	ELAPSED TIME, HR	DELTA TIME, HR	BOT HOLE PRESSURE PSIA	DELTA P PSI	LOG HORNER TIME
7:18: 2	11-AP	14.001	11.000	2486	2384	0.105
8:18: 2	11-AP	15.001	12.000	2491	2389	0.097
9:18: 2	11-AP	16.001	13.000	2494	2392	0.090
10:18: 2	11-AP	17.001	14.000	2496	2394	0.084
11:18: 2	11-AP	18.000	15.000	2498	2396	0.079
12:18: 2	11-AP	19.000	16.000	2500	2398	0.075
13:18: 2	11-AP	20.000	17.000	2501	2399	0.071
14:18: 2	11-AP	21.001	18.000	2504	2402	0.067
15:18: 2	11-AP	22.001	19.000	2505	2404	0.064
16:18: 2	11-AP	23.001	20.000	2506	2404	0.061
17:18: 2	11-AP	24.001	21.000	2507	2405	0.058
18:18: 2	11-AP	25.001	22.000	2507	2405	0.056
19:18: 2	11-AP	26.001	23.000	2507	2405	0.053
20:18: 2	11-AP	27.001	24.000	2507	2405	0.051
21:18: 2	11-AP	28.001	25.000	2507	2405	0.049
22:18: 2	11-AP	29.001	26.000	2507	2405	0.047
23:18: 2	11-AP	30.001	27.000	2508	2407	0.046
0:18: 2	12-AP	31.001	28.000	2509	2407	0.044
1:18: 2	12-AP	32.001	29.000	2509	2407	0.043
2:18: 2	12-AP	33.001	30.000	2509	2407	0.041
3:18: 2	12-AP	34.001	31.000	2509	2407	0.040
4:18: 2	12-AP	35.000	32.000	2509	2407	0.039
5:18: 2	12-AP	36.000	33.000	2509	2407	0.038
6:18: 2	12-AP	37.000	34.000	2509	2407	0.037
6:43: 0	12-AP	37.417	34.416	2509	2407	0.036

LOG LOG PLOT

COMPANY : CELSIUS ENERGY COMPANY
WELL : BUG # 6
FIELD REPORT NO. 101089
INSTRUMENT NO. 040

SHUTIN #1 :
FINAL FLOW PRESSURE (PWF): 101.87 PSIA
PLOT ELAPSED TIME RANGE: 3.01 TO 37.42 HR
PLOT ΔT TIME RANGE: 0.01 TO 34.42 HR



FLOPETROL JOHNSTON
Schlumberger

DISTRIBUTION OF REPORTS

Schlumberger

FLOPETROL JOHNSTON has sent copies of this report to the following:

Celsius Energy Company
Attn: Eric Marsh
1125 17th Street, Suite 2240
Denver, CO 80202

3

Any interpretations or recommendations are opinions and necessarily based on inferences and empirical factors and assumptions, which are not infallible. Accordingly, Schlumberger (Flopetrol Johnston) cannot and does not warrant the accuracy of correctness of any interpretation or measurement. Under no circumstances should any intepretation or measurement be relied upon as the sole basis for any drilling, completion, well treatment or production decision or any procedure involving risk to the safety of any drilling venture, drilling rig or its crew or any other individual. The Customer has full responsibility for all drilling, completion, well treatment, and production procedure, and all other activities relating to the drilling or production operation.

© 1987 SCHLUMBERGER

Form 3160-5
December 1989

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
AUG 05 1990
DIVISION OF
OIL, GAS & MINING

FORM APPROVED
Budget Bureau No. 1004-0135
Expires September 30, 1990

5. Lease Designation and Serial No.
U-39254

6. If Indian, Allottee or Tribe Name
---

7. If Unit or C.A. Agreement Designation
---

8. Well Name and No.
Bug

9. API Well No.
6

10. Field and Pool, or Exploratory Area
Bug

11. County or Parish, State
San Juan, Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator
Wexpro Company

3. Address and Telephone No.
P. O. Box 458, Rock Springs, WY 82902 (307) 382-9791

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
NE SE, 2,258' FSL, 783' FEL 7-36S-26E

API # 43-037-30573

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☒ Subsequent Report	☒ Recompletion & Commingling	☐ New Construction
	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
☐ Final Abandonment Notice	☐ Altering Casing	☐ Conversion to Injection
	☐ Other	

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

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

A workover was conducted on the above captioned well beginning on April 5, 1990. The workover included setting a retrievable bridge plug above the Desert Creek and perforating, testing (PDST) and acidizing the following zones:

A) ISMAY 5700' - 5712', 4 SPF
B) PARADOX 5628' - 5634', 4 SPF

The Ismay was acidized with 6,150 gallons of 28% HCL acid, 504,345 SCF N_2, and 3,425 gallons of Brine. The Paradox was acidized with 4,150 gallons of 28% HCL acid, 435,000 SCF N_2 and 3,385 gallons of Brine. Each zone was flow tested individually. These zones produced as follows:

A) ISMAY 52 MCF/D Tp - 60 psi
B) PARADOX 72 MCF/D Tp - 65 psi

Following the flow tests on these zones, the retrievable bridge plug was pulled and the Desert Creek, Ismay and Paradox zones commingled. Currently, the well is producing 271 MCF/D, 41 BOPD, 51 BWPD. See Completion Report.

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

Signed [signature] Title District Manager Date August 1, 1990

(This space for Federal or State office use)

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

Title 18 U.S.C. Section 1001, makes 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.

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE (See other instructions on reverse side)

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

RECEIVED AUG 05 1990 DIVISION OF OIL, GAS & MINING

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

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

2. NAME OF OPERATOR: Wexpro Company

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

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: NE SE, 2,258' FSL, 783' FEL
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.: U-39254
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: ---
7. UNIT AGREEMENT NAME: ---
8. FARM OR LEASE NAME: BUG
9. WELL NO.: 6
10. FIELD AND POOL, OR WILDCAT: BUG
11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: 7-36S-26E
12. COUNTY OR PARISH: San Juan
13. STATE: Utah
14. PERMIT NO.: 43-037-30573 (POW) DATE ISSUED:

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
NA	NA	4/24/90	GR 6275', KB 6285'	6273

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6074' KBM	5987' KBM	NA	→	NA	NA

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Paradox 5628' - 5634'
Ismay 5700' - 5712'
Desert Creek 5628' - 5634'

25. WAS DIRECTIONAL SURVEY MADE: NA

26. TYPE ELECTRIC AND OTHER LOGS RUN: NA

27. WAS WELL CORED: NA

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (*Interval, size and number*)
Paradox - 5628' - 5634' 4spf, .46" holes
Ismay - 5700' - 5712' 4 spf, .46" holes
Ismay

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5628'-5634'	4150 Gal 28% HCL, 435,000 SCF
	3385 Gal Brine
5700'-5712'	6150 Gal 28% HCL, 504,345 SCF
	3425 Gal Brine

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
5/1/90	Flowing	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
4/18-19/90	18	64/64	→	0	62	0	NA

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
60	NA	Stabilized	0	52 MCF/D	0	0

34. DISPOSITION OF GAS (*Sold, used for fuel, vented, etc.*)
Vented for the test, currently being sold

TEST WITNESSED BY: Dale Wickersham

35. LIST OF ATTACHMENTS
Cased hole DST's

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

SIGNED [signature] TITLE District Manager DATE August 1, 1990

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

Title 18 U.S.C. Section 1001, makes 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.

AUG - 9 1993

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED
AUG 1 2 1993
DIVISION OF
OIL GAS & MINING

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: U - 39254
6. If Indian, Allottee or Tribe Name: ----
7. If Unit or CA, Agreement Designation: BUG FIELD
8. Well Name and No.: 6
9. API Well No.: 43-037-30573
10. Field and Pool, or Exploratory Area: BUG
11. County or Parish, State: SAN JUAN, UTAH

1. Type of Well: [X] Oil Well [ ] Gas Well [ ] Other
2. Name of Operator: WEXPRO COMPANY
3. Address and Telephone No.: P. O. BOX 458, ROCK SPRINGS, WYOMING 82902
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): NE/4 SE/4 SECTION 7 2258' FSL; 783' FEL
T. 36 S., R. 26 E.

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

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[X] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[ ] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[ ] Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

THE ABOVE WELL IS AN UNECONOMIC DESERT CREEK AND ISMAY PRODUCER. WEXPRO CO. INTENDS TO PLUG AND ABANDON THE WELL AS FOLLOWS:

1. THE WELL HAS PERFORATIONS @ 5,628'-5,634', 5,700'-5,712', 5,964'-5,969', 5,978'-5,982') SET A CAST IRON BRIDGE PLUG @ 5,600' KBM. DUMP BAIL 5 SACKS OF CEMENT ON TOP OF THE BRIDGE PLUG.
2. LOAD THE HOLE WITH 9.0 PPG MUD.
3. SHOOT SQUEEZE HOLES @ 1,700' (50' BELOW BASE OF THE SURFACE CASING). SET A CEMENT RETAINER @ 1,600' AND SQUEEZE 66 SACKS OF CEMENT BELOW THE RETAINER. DUMP 5 SACKS ON TOP OF THE RETAINER (100' PLUG INSIDE AND OUTSIDE).
4. SPOT A 50' PLUG INSIDE THE 5-1/2" CASING AND 50' PLUG IN THE 9-5/8"x5-1/2" ANNULUS.
5. CUT OFF THE WELLHEAD AND INSTALL A DRY HOLE MARKER.
6. RECLAIM LOCATION TO BLM STANDARDS.

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

Signed _____ Title District Superintendent - West Date August 9, 1993

(This space for Federal or State office use)

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

ACCEPTED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 8-12-93
BY: _____

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side

RECEIVED
OCT 13 1993
DIVISION OF OIL GAS & MINING

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

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

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.: U-39254
6. If Indian, Allottee or Tribe Name: NA
7. If Unit or CA, Agreement Designation: Bug Field
8. Well Name and No.: Unit Well #6
9. API Well No.: 43-037-30573
10. Field and Pool, or Exploratory Area: Bug
11. County or Parish, State: San Juan, UT

1. Type of Well: ☐ Oil Well ☐ Gas Well ☑ Other P&A
2. Name of Operator: WEXPRO COMPANY c/o Celsius Energy Company
3. Address and Telephone No.: 1331 17th Street, Suite 800, Denver, CO 80202 303-672-6914
4. Location of Well (Footage, Sec., T., R., M., or Survey Description): 2258' FSL and 783' FEL NESE Section 7, T36S, R26E

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

TYPE OF SUBMISSION	TYPE OF ACTION	
☐ Notice of Intent	☐ Abandonment	☐ Change of Plans
☑ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☑ Other P&A	☐ Dispose Water (Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Bug Unit Well No. 6 was plugged and abandoned on 10/2/93 as follows:

1. Set Arrow CIBP at 5600'. Dump bail 4.6 cu. ft. of cement (35') on top of CIBP.
2. Shoot squeeze holes at 1700'
3. Set cement retainer at 1592' and test tubing and retainer to 1000 psi. Held okay.
4. Pump 80 bbls 9.8# brine water below retainer with no returns from 9-5/8" casing.
5. Squeeze 38 sx cement below retainer and dump 37 sx on top.
6. Nipple down BOPE, cut off wellhead.
7. Spot surface plug inside 5-1/2" casing from 120' to surface; outside 5-1/2" casing from 120' to surface.
8. Weld on dry hole marker.
9. Location will be reclaimed to BLM specifications.

Plugging procedure was approved by Eric Jones of the Moab BLM office and witnessed by Jeff Brown of the Monticello BLM office.

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

Signed [signature] Title District Superintendent - West Date 10-11-93

(This space for Federal or State office use)

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

Title 18 U.S.C. Section 1001, makes 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.

*See Instruction on Reverse Side