

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.  
U-48356 ✓

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Horseshoe Bend Federal 620

9. WELL NO.  
14-35

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
35-T6S-R22E SLM

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
Calais Resources, Inc.

3. ADDRESS OF OPERATOR  
c/o William M. Berryman, 423 University Bldg.  
910 16th St., Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)  
At surface 640' FSL 669' FWL (SW SW) SEC 35-T6S-R22E  
At proposed prod. zone  
same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
16 miles south of Vernal, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 640'

16. NO. OF ACRES IN LEASE  
1800

17. NO. OF ACRES ASSIGNED TO THIS WELL  
320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 7500'

19. PROPOSED DEPTH  
3350'

20. ROTARY OR CABLE TOOLS  
Rotary

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

22. APPROX. DATE WORK WILL START\*  
12-27-83

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8"	24 #	200	Circ. to surface
7 7/8	5 1/2	15.5 #	3350	Sufficient to seal all productive zones

See Attached

- 1) Ten Point Drilling Program
- 2) Multipoint Surface Use and Operation Plan
- 3) Cultural Resource Survey Report

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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 William M. Berryman TITLE Agent DATE \_\_\_\_\_

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

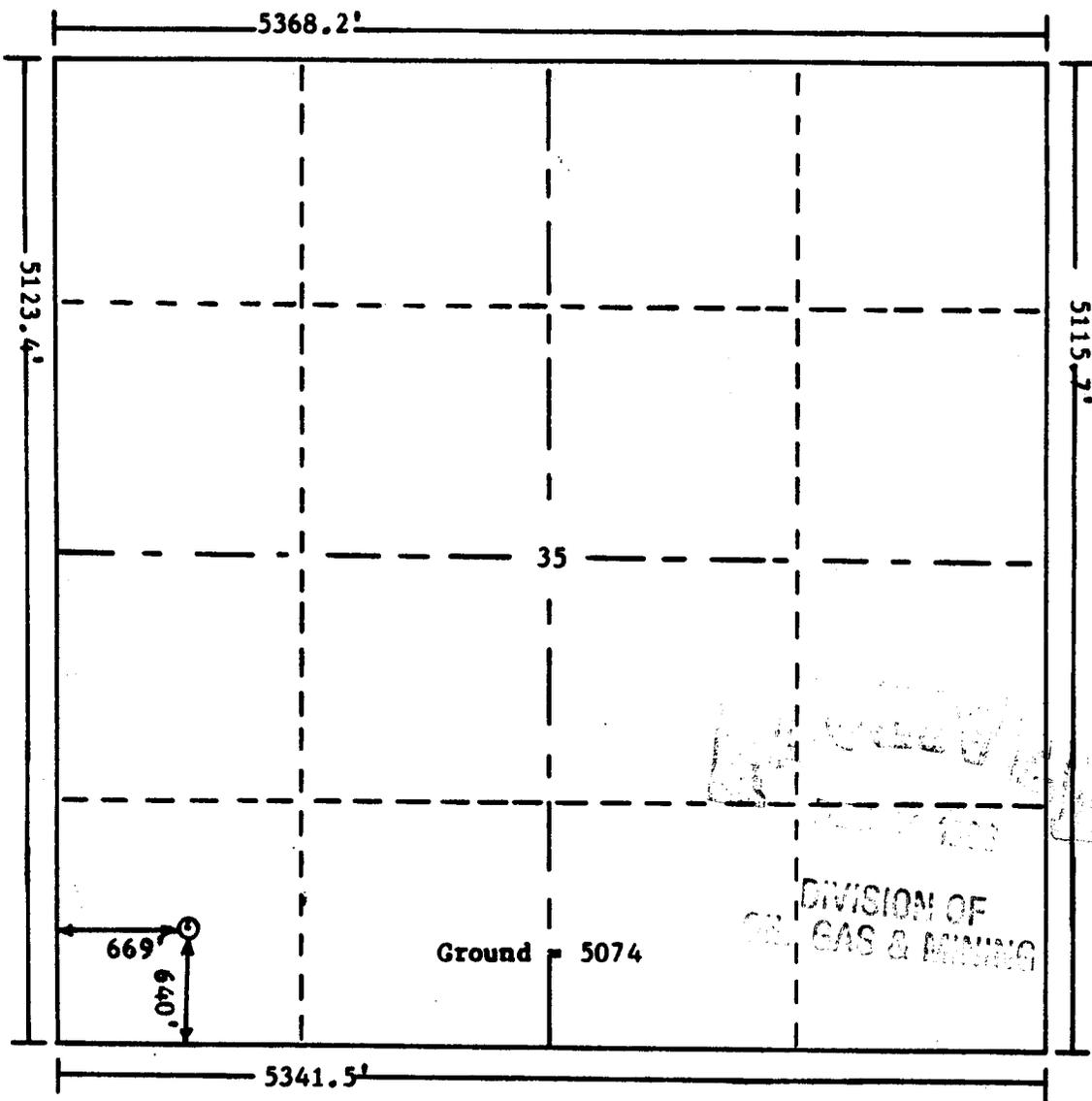
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

*M. W. Berryman*  
12-27-83



R. 22 E.



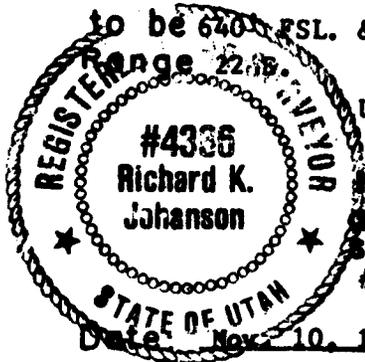
Scale... 1" = 1000'

**Powers Elevation of Denver, Colorado**

has in accordance with a request from Lee Mueller for Calais Resources, Inc.

determined the location of 14-35 Horseshoe Bend Federal to be 640' PSL. & 669' FWL. Section 35 Township 6 S.

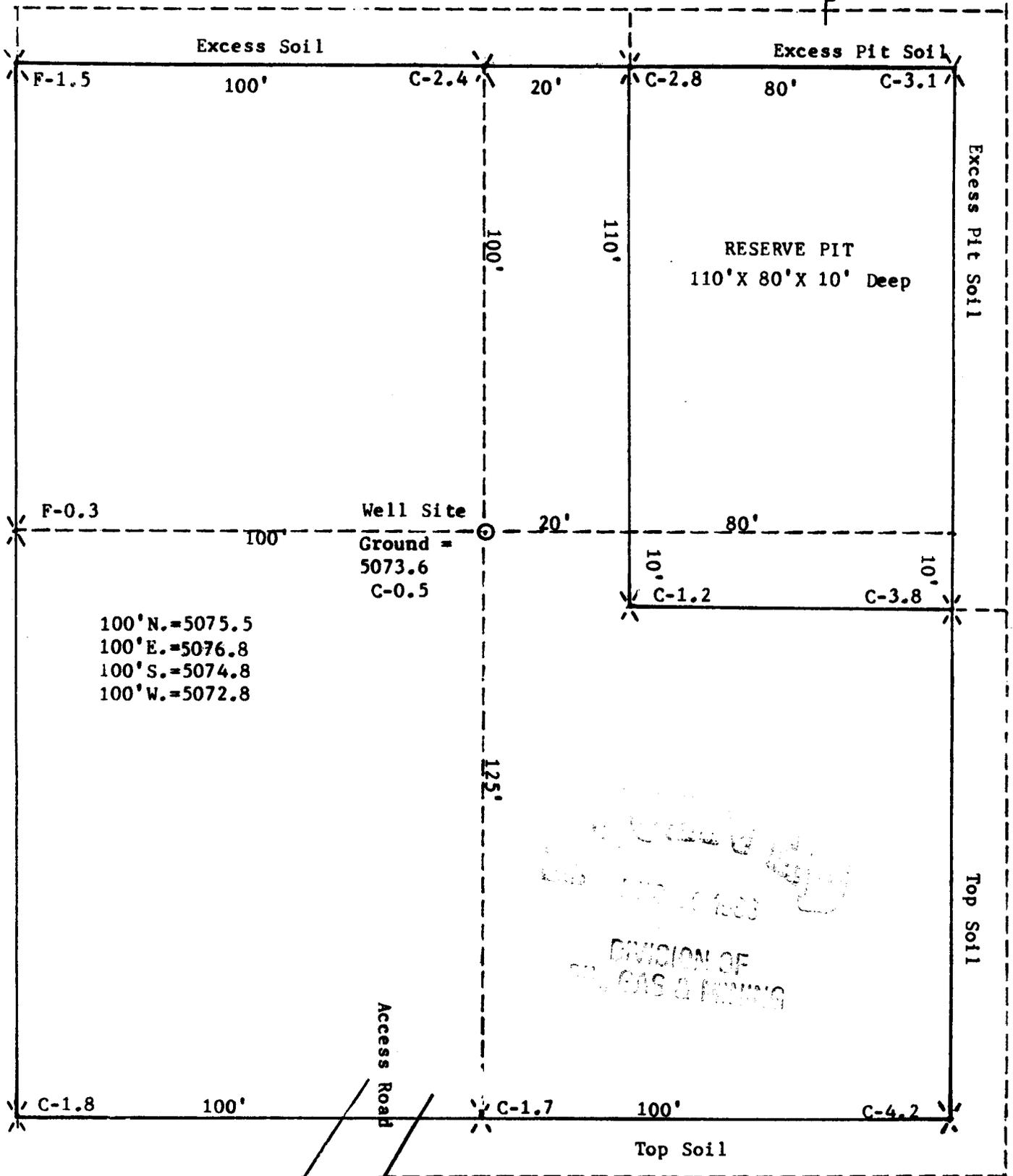
of the Salt Lake Base & Meridian Uintah County, Utah.



I hereby certify that this plat is an accurate representation of a correct survey showing the location of # 14-35 Horseshoe Bend Federal

*Richard Johanson*  
Licensed Land Surveyor No. 4386  
State of Utah.

CALAIS RESOURCES INC.  
 Horseshoe Bend Federal  
 #14-35 Sec. 35, T6S., R22E.  
 640' FSL. & 669' FWL.  
 Uintah County, Utah.



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Prepared by:  
 R. Johanson  
 Powers Elevation  
 Nov. 10, 1983

TEN POINT PROGRAM

1) GEOLOGIC SURFACE FORMATION

The surface formation is Uinta.

2 & 3) GEOLOGIC MARKERS AND PRODUCTIVE INTERVALS

<u>Formation</u>	<u>Estimated Top</u>	<u>Possible Production</u>
Uinta "B" Marker	2825	
Uinta Green River Transition	3140	H
Green River	3320	H
T. D.	3350	

W = water      H = Hydrocarbon (oil or gas)      C = Coal      S = Steam

4) CASING PROGRAM

<u>Hole Size</u>	<u>Casing Size</u>	<u>Grade</u>	<u>Weight</u>	<u>Thrd &amp; Cond</u>	<u>Depth</u>
12 1/4	8 5/8	K-55	24.0	STC	200'
7 7/8	5 1/2	K-55	15.5	STC	TD

5) CONTROL EQUIPMENT SPECIFICATIONS

As checked below the following equipment will be utilized for detection and control during the drilling operation.

BLOW OUT PREVENTORS

Size 10"      Pressure Rating 3000 PSI

Pipe Rams 4 1/2      Blind Rams yes      Pipe Rams no

Annular Preventor no

1950  
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Rotating Head No

Kill Line Size 2" x 3000 PSI Valves 2" x 3000 PSI Check 2" x 3000 PSI

MANIFOLD

Size 2" Valves 2" Pressure 3000 PSI

Positive Choke yes Adjustable Choke yes

Hydraulic Choke no

Power Operated Valve no

See Exhibit I attached for additional detail BOP Equipment will be installed prior  
to drilling below 8 5/8" casing, BOP's and casing will be tested to 1000 PSI using rig  
pump.

6) DRILLING FLUIDS

<u>Interval</u>	<u>Type Fluid</u>	<u>Weight</u>	<u>Viscosity</u>	<u>Fluid Loss</u>	<u>Remarks</u>
0-200'	Gel-Lime	9.0	35-40	N/C	
200-TD	Low solids Non dispersed	8.6 - 9.0	27-29	12-15	

Possible Sub Normal Pressured Zones Green River

Possible Abnormal Pressured Zones None

7) AUXILIARY EQUIPMENT

Upper Kelly Cock yes

Lower Kelly Cock no

Floor Valve DP yes

Floor Valve DC yes

Float in DC per contractor specifications

Inside BOP (Dart Valve) no

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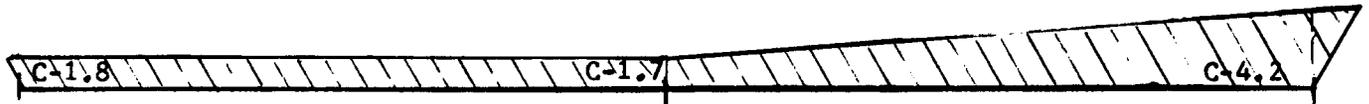
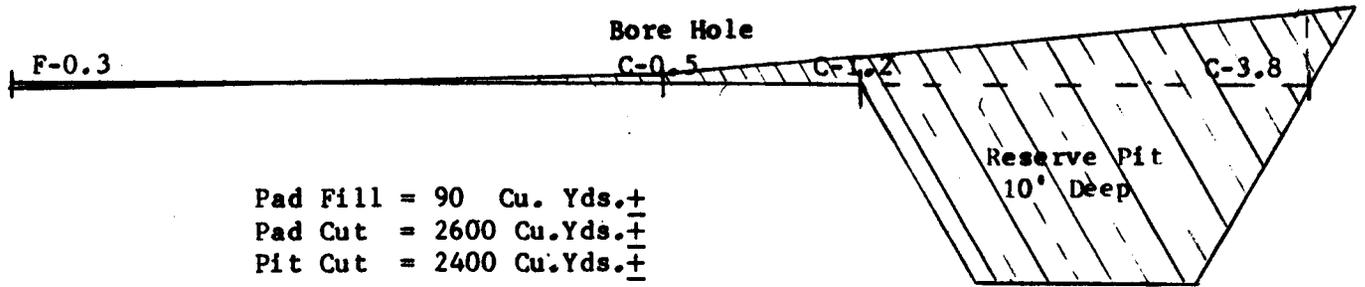
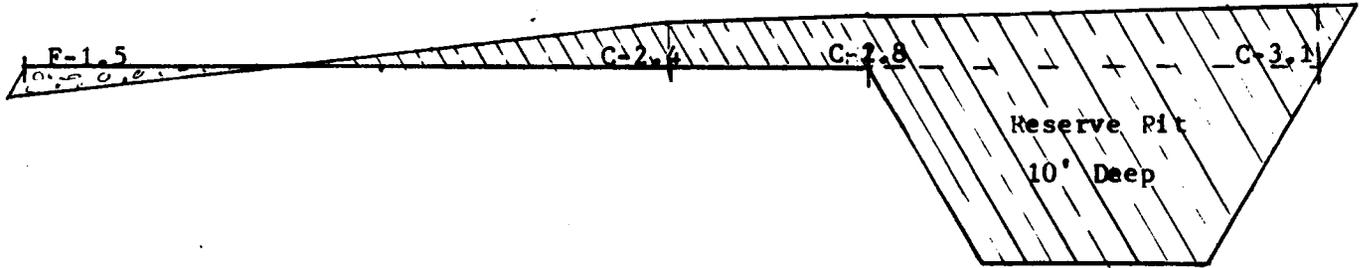
CALAIS RESOURCES INC.  
 Horseshoe Bend Federal  
 Uintah County, Utah.

#14-35 Sec.35, T6S., R22W.  
 640' FSL. & 669' FWL

DEC 10 1988

DIVISION OF  
 CONSTRUCTION

CROSS SECTIONS



Scale:  
 Horiz. 1" = 30'  
 Vert. 1" = 10'

Typical Section

Cut  
 Fill



Prepared by:  
 R. Johanson  
 Powers Elevat

ADDITIONAL DETECTION EQUIPMENT & SERVICE

Mud Logging Unit                      NO  
Pit Volume Totalizer                      no  
Flow Line Sensor                      no  
Flow Line Temperature                      no  
Sour Gas Detector                      no  
Pump Stroke Counter                      no  
Degasser                      no  
Mud Gas Separator                      no  
Drilling Data Unit                      no  
Other                      none

8) EVALUATION

A) Testing

All significant hydrocarbon shows will be drill stem tested. There will probably be 2 DST's

B) Logging

<u>Depth</u>	<u>Electric Wireline Logs</u>	<u>Interval</u>
Total Depth	DIL/GR, FDC/CNL	200'-TD

C) Coring

<u>Formation</u>	<u>Type Core</u>	<u>Analysis</u>
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none

9) DRILLING HAZARDS

10) STARTING DATE 12/20/83 DURATION 8 DAYS.

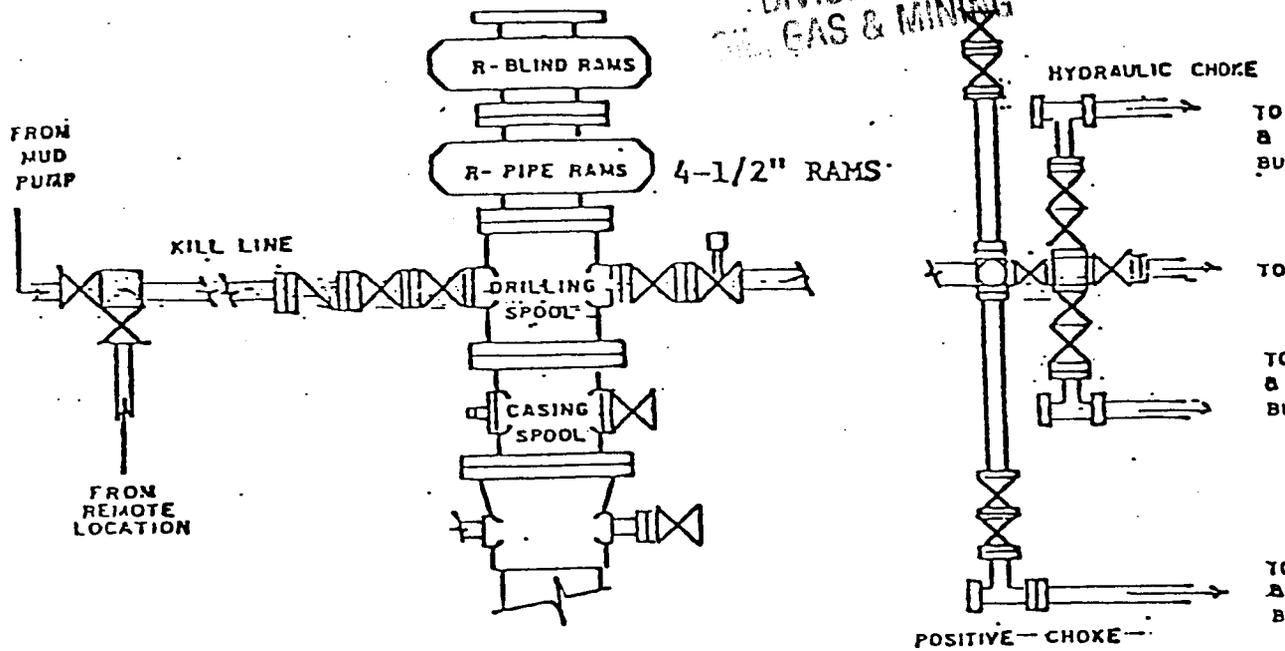
DRILLING PROGRAM PREPARED BY: C. LEE MUELLER

  
C. LEE MUELLER

(EXHIBIT 1)

3000 psi

psi Working Pressure BOP's



Note: Pipe rams to be operated daily, Blind rams to be operated each trip.

### Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test the following to rated pressure:
  - a) inside blowout preventer
  - b) lower kelly cock
  - c) upper kelly cock
  - d) stand pipe valve
  - e) lines to mud pump
  - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

1) EXISTING ROADS

See attached topographic maps A & B. Directions: take Highway 40 south from Vernal. Continue south when highway 40 veers east for a total of 13 miles. The road presently runs 1/4 mile west of the location, so new road construction is needed.

2) PLANNED ACCESS ROAD

Onsite inspection field comments:

2) PLANNED ACCESS ROAD

See attached topographic map A. It will be necessary to construct approximately .25 miles of new road to connect the existing road with the proposed location. Construction of the new road will meet the following standards.

Maximum grade should not exceed 7% (7' per 100). The trail will be an 18" crown road (9' on either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run off from any normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 1/2 to 1 slopes and terraced.

The road will be centerline flagged prior to the commencement of construction.

No major cuts or fills appear necessary. No culverts will be needed. See Topo Map B.

The grade of this road will be constructed from native borrow accumulated during construction.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements with a new gate installed at one end of the cattleguard.

Onsite inspection field comments:

3) LOCATION OF EXISTING WELLS

Within a one mile radius the following wells are identified by category and listed below.

1. Water wells - none
2. Abandoned wells - producing - none  
  
Dry holes - NWNW 34-6S-22E  
              SESE 26-6S-22E
3. Temporarily abandoned wells - none
4. Disposal wells - none
5. Drilling wells - none  
Locations: SWSW 25-6S-22E  
              SWSW 27-6S-22E  
              SWSW 35-6S-22E
6. Producing wells - none
7. Shut-in wells - none
8. Injection wells - none
9. Monitoring or observation wells - none

4) LOCATION OF TANK BATTERIES, PRODUCTION FACILITIES AND PRODUCTION GATHERING AND SERVICE LINES

At the present time there are no Calais Resources, Inc. batteries, production facilities, oil gathering lines, gas gathering lines, injection or disposal lines within a two mile radius.

In the event that production of this well is established, then the existing area of the location will be utilized for the establishment of the necessary production facilities.

This area will be built, if possible, with the native materials and if these materials are not available, then the necessary arrangements will be made to get them from private sources.

The total area that is needed for the production of this well will be fenced and cattleguards will be utilized for access to these facilities.

The rehabilitation of the disturbed area that is not required for the production of this well will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

If production facilities are necessary, these facilities will be constructed as shown in Figure 1.

Onsite inspection field comments:

5) LOCATION AND TYPE OF WATER SUPPLY

Water will be hauled from the Green River by truck. A state water permit will be provided by the trucking firm.

The existing roads and proposed roads previously noted will be all that are needed. No water well will be drilled for this operation.

Onsite inspection field comments:

6) SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during construction of the location site and access road. No additional road gravels or pit lining material from other sources are anticipated at this time, but if they are required the appropriate actions will be taken to acquire them from private sources.

7) METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet. A reserve and burn pit will be constructed.

The reserve pit will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground.

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals. A test tank will be used to contain produced fluids.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed at such time as deemed necessary to protect the water fowl, wildlife, domestic animals.

On the onset of drilling, this reserve pit will be fenced on three sides and at the time the drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and reclamation activities are attempted.

When the reserve pit dries and the reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

Trash will be placed in a completely enclosed container and hauled off the location.

All flammable materials will be burned and then buried upon completion of this well.

A portable chemical toilet will be supplied for human waste.

8) ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen in the near future.

9) WELL SITE LAYOUT

See attached Location Layout Sheet. The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area. Then the pits will be lined with a gel and any other type material necessary to make it safe and tight.

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10) PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See location layout sheet and Item #9.) When all drilling and production activities have been completed, the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

As mentioned in Item #7, the reserve pit will be completely fenced and wired and overhead wire and flagging installed, if there is oil in the pits, and then allowed to completely dry before covering.

Restoration activities shall begin as soon as possible after the reserve pit has dried up, and will be completed without undue delay.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11) OTHER INFORMATION

The drillsite is located in an area of moderate slope (see cross section). The Surface is the Uinta formation, light brown sandy clay with sparse sagebrush cover. There are no trees on the proposed location.

General use of the surface is grazing. The new road and location are federally owned.

An archeological report will be filed on this prospect under separate cover.

The closest water is located in the Green River.

Onsite inspection field comments:

12) LESSEE'S OR OPERATOR'S REPRESENTATIVE

C. Lee Mueller  
5000 Lakeshore Drive  
Littleton, Colorado 80123  
Telephone - 303-795-7665

William M. Berryman  
Calais Resources, Inc.  
423 University Building  
910 16th Street  
Denver, Colorado 80202

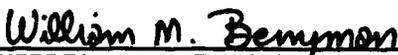
Telephone - 303-629-1523

13) CERTIFICATION

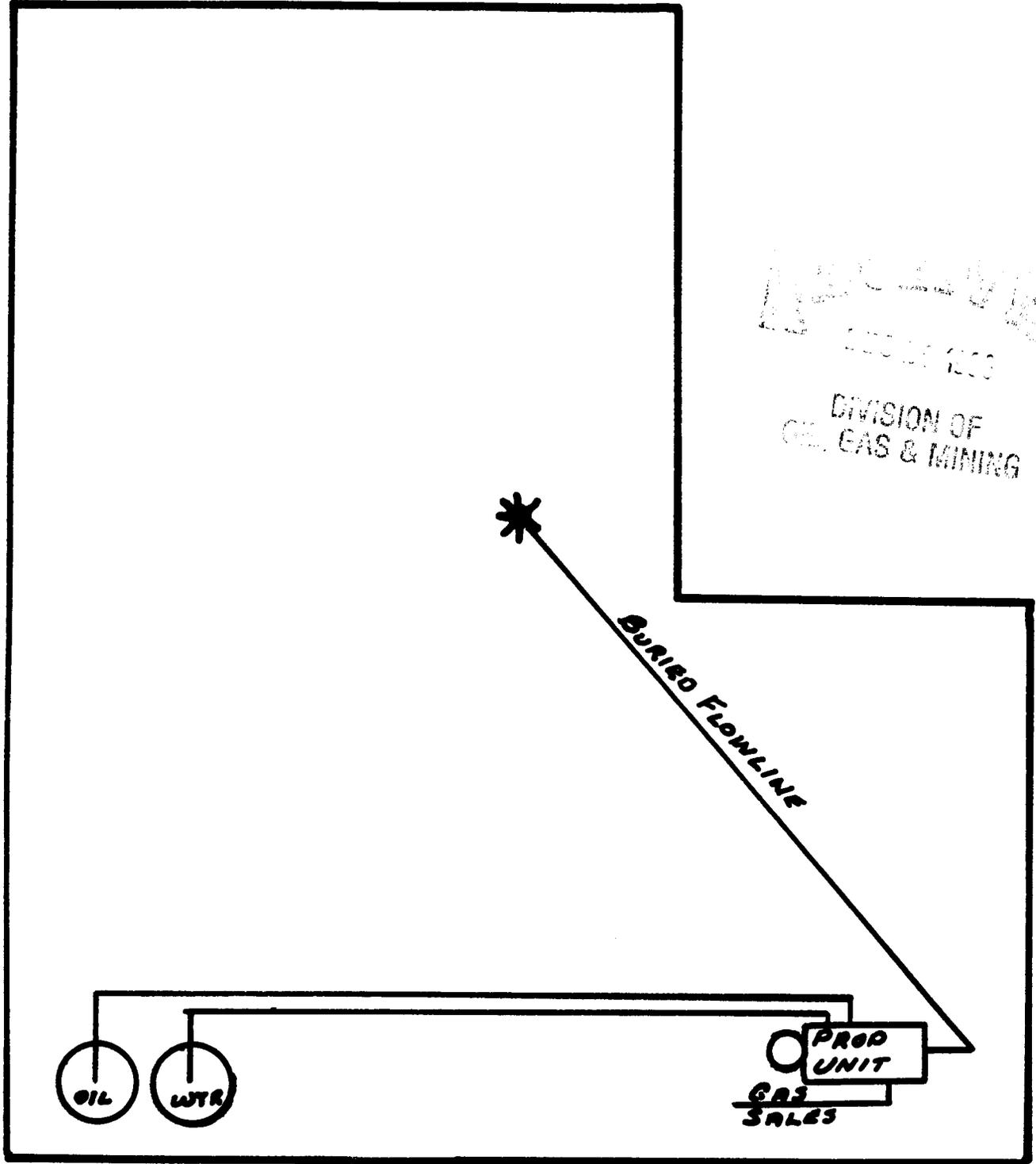
I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route. That I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated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

  
C. LEE MUELLER

I hereby certify that C. Lee Mueller as my agent, has prepared the drilling program, Application for Permit to Drill and supplemental information contained herein. I have reviewed this application and hereby acknowledge that the plans, terms and conditions outlined herein will be performed by Calais Resources, Inc.

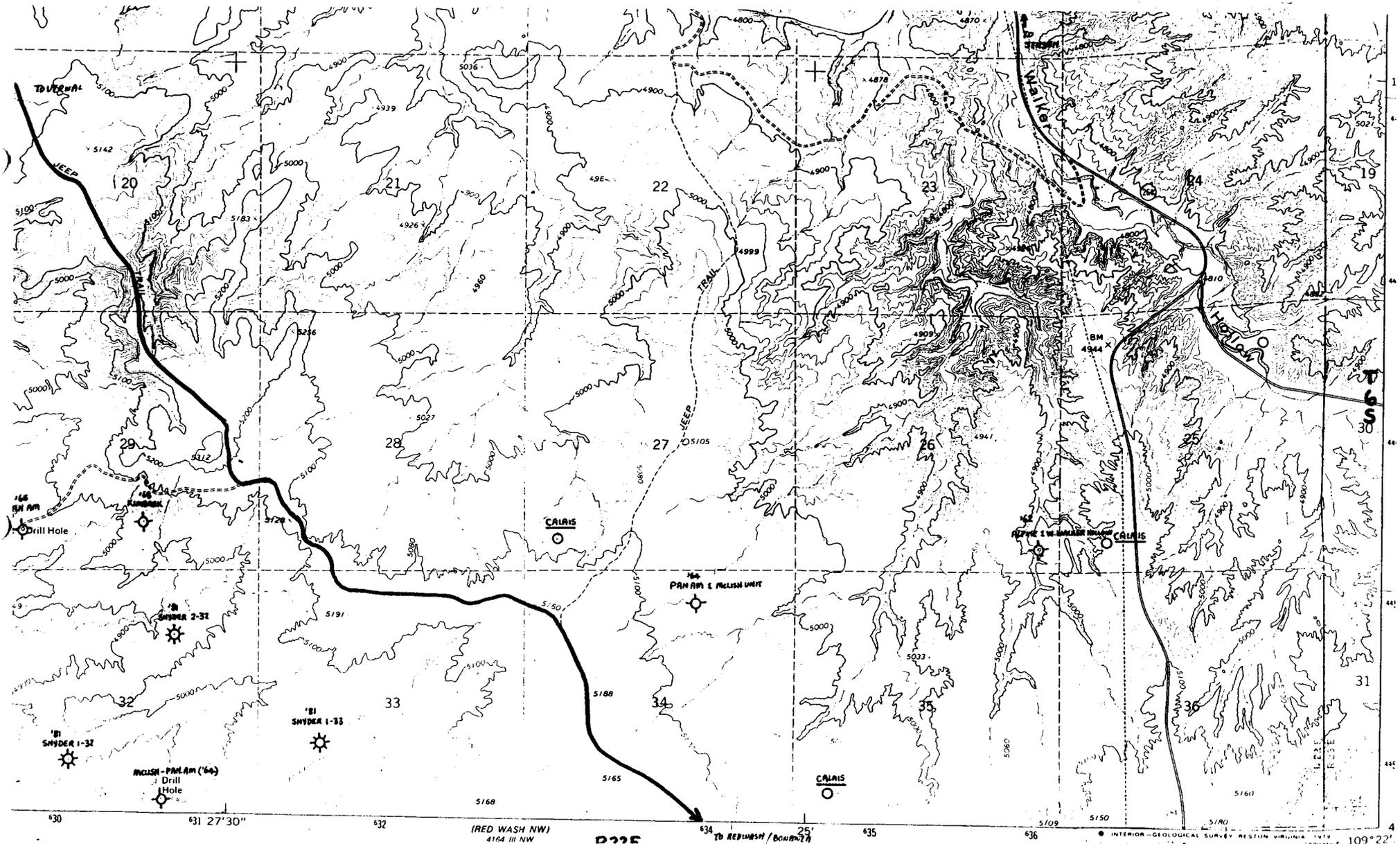
  
WILLIAM M. BERRYMAN

CALAIS RESOURCES, INC.  
HORSESHOE BEND FEDERAL  
UINTAH CO. UTAH



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OIL, GAS & MINING







POWERS ELEVATION

OIL WELL ELEVATIONS — LOCATIONS  
ENVIRONMENTAL — ARCHAEOLOGICAL SERVICES  
600 SOUTH CHERRY STREET, SUITE 1201  
DENVER, COLORADO 80222  
PHONE NO. 303/321-2217

November 16, 1983

Mr. C. Lee Mueller  
Calais Resources, Inc.  
5000 Lakeshore Drive  
Littleton, CO 80123

Dear Mr. Mueller:

Enclosed is the cultural resource survey report for the following Calais Resources, Inc., location:

Horseshoe Bend Federal 14-35  
Uintah County, Utah

A BLM Class-III pedestrian survey and an inspection of existing records were performed for this location by Powers Elevation. No cultural resources were found either in the literature or pertinent site files, or during our field survey.

In view of this lack of cultural resources, we recommend that the proposed project be allowed to proceed.

If you have any questions regarding this report, please feel free to contact this office.

Sincerely,

*Marcia J. Tate*

Marcia J. Tate  
Manager  
Archaeology Department

MJT:sr

cc: BLM, Vernal District, (2)  
State Archaeologist/SHPO  
Mr. Richard Fike, BLM State Archaeologist  
Mr. Brian O'Neil, M.A., District Archaeologist

enclosures

NOV 18 1983  
DIVISION OF  
OIL, GAS & MINING

Summary Report of  
Inspection for Cultural Resources

1. Report Title H|o|r|s|e|s|h|o|e| |B|e|n|d| |F|e|d|e|r|a|l| |1|4|-|3|5| |A|c|c|e|s|s|  
11 40

2. Development Company Calais Resources, Inc.

3. Report Date 1|1| 11 |1|9|8|3| 4. Antiquities Permit No. 82-UT-218  
41 42 MONTH 43 YEAR 46

5. Responsible Institution P|o|w|e|r|s| |E|l|e|v|a|t|i|o|n| County Uintah  
47 61

6. Fieldwork Location: TWN 6|S| Range 2|2|E| Section(s) 3|5| 70|71| 72|73| 74|75| 76|77|  
640' FSL & 669' FWL 62 65 66 69  
TWN 78| 81| Range 82| 85| Section(s) 86|87| 88|89| 90|91| 92|93|  
78 81 82 85

7. Resource Area B|C| TWN 94| 97| Range 98| 101| Section(s) 102|103| 104|105| 106|107| 108|109|  
110 111 94 97 98 101 102 103 104 105 106 107 108 109

PO = PONY EXPRESS, BR = BEAR RIVER, PR = PRICE RIVER, WS = WARM SPRINGS  
BC = BOOK CLIFFS, HR = HOUSE RANGE, SE = SEVIER RIVER  
HM = HENRY MOUNTAINS, BE = BEAVER RIVER, DX = DIXIE  
KA = KANAB, ES = ESCALANTE, SJ = SAN JUAN, GR = GRAND  
SR = SAN RAFAEL, DM = DIAMOND MOUNTAIN,  
FWL in spaces 65, 69, 81, 85, 97, 101 Only  
V = Vernal Meridian  
H = Half Township

8. Description of Examination Procedures: Well pad and portion of access was previously surveyed under S#047-779, Bonanza-Vernal Transmission Line, 1981. That portion of the access road not previously surveyed was surveyed by walking a zig-zag transect 50 feet each side of center flags to form a 100 foot right-of-way approximately 2,200 feet long from its take off point along the Deseret-Vernal Highway.

9. Linear Miles Surveyed and/or 1|1|2| 1|1|7|  
Definable Acres Surveyed and/or 5| 1|2|3|  
118 123  
\* Legally Undefinable Acres Surveyed 1| 2| 3| 4| 5|

10. Inventory Type I| 1|3|0|  
R = Reconnaissance  
I = Intensive  
S = Statistical Sample

(\*A parcel hard to cadastrally locate i.e., center of section)

11. Description of Findings (attach appendices, if appropriate) 12. Number Sites Found: 0| 1|3|1|  
No sites = 0

No prehistoric or historic cultural resources were present within the project area.

13. Collection: N| Y = Yes, N = No  
136

Well pad direct impact = approximately 225 by 200 feet.

14. Actual/Potential National Register Properties Affected:  
None.

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OIL, GAS & MINING

15. Literature Search, Location/Date: A file search was conducted November 4, 1983 at the BLM, Vernal District Office (see continuation sheet)

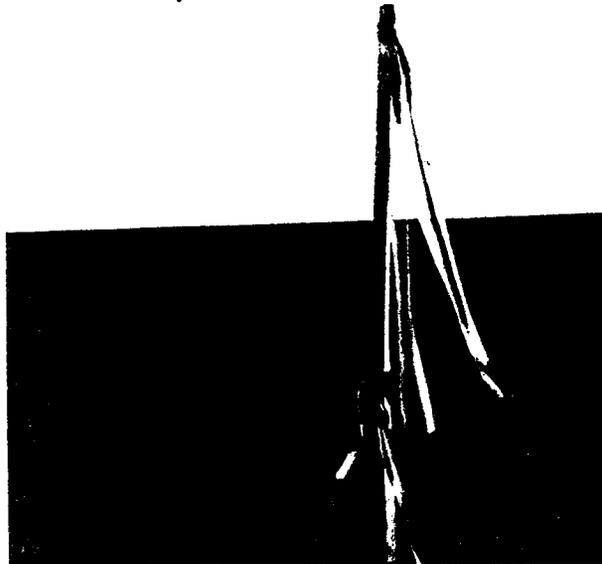
16. Conclusion/Recommendations: Due to the lack of cultural resources we recommend that the project be allowed to proceed.

17. Signature Brian O'Neil  
\* For extra localizations use additional 8100-3 forms.

Calais Resources, Inc.  
Horseshoe Bend Federal 14-35  
Continuation Sheet

15. Literature Search, Location/Date: ...revealed one previous survey, a well pad and part of an access, S#047-779, Nickens 1981 Bonanza-Vernal Transmission Line. There were no sites recorded during the survey.

Calais Resources, Inc.  
Horseshoe Bend Federal 14-35  
640' FSI, & 669' FWL,  
Section 35, T.6S., R.22E.  
Uintah County, Utah



Looking southeast at center stake

14-35-35  
DEC 15 1982

DIVISION OF  
OIL, GAS & REVENUE

Calais Resources,  
Inc., Horseshoe Bend  
Fed. 14-27 & access

Calais Resources  
Inc., Horseshoe  
Bend Fed. 14-25

Previously  
surveyed area

Calais Resources  
Inc., Horseshoe  
Bend Fed. 14-35

Horseshoe Bend  
Federal 14-35  
surveyed access

Calais Resources, Inc.  
Horseshoe Bend Federal  
640' FSL, & 669' FWL  
Section 35, T.6S., R.22E.  
Rasmussen, 7.5', 1956  
Uintah County, Utah



SCALE 1:24 000



OPERATOR CALAIS RESOURCES INC DATE 12-22-82

WELL NAME HORSESHOE LEAKS FED 14-35

SEC S14S14 35 T 6 S R 22 E COUNTY WINTAH

43-047-31426  
API NUMBER

FED  
TYPE OF LEASE

POSTING CHECK OFF:

<input type="checkbox"/> INDEX	<input type="checkbox"/> MAP	<input type="checkbox"/> HL
<input type="checkbox"/> NID	<input type="checkbox"/>	<input type="checkbox"/> PI

PROCESSING COMMENTS:

NO GAS WELLS WITHIN 4960'  
NEW OPERATOR!

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 12-22-82  
BY: [Signature]

CHIEF/PETROLEUM ENGINEER REVIEW:

12/22/82

APPROVAL LETTER:

SPACING: <input type="checkbox"/> A-3 _____ UNIT	<input type="checkbox"/> c-3-a _____ CAUSE NO. & DATE
<input checked="" type="checkbox"/> c-3-b	<input type="checkbox"/> c-3-c

SPECIAL LANGUAGE:

WATER

RECONCILE WELL NAME AND LOCATION ON APD AGAINST SAME DATA ON PLAT MAP.

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER \_\_\_\_\_

UNIT \_\_\_\_\_

c-3-b

c-3-c

DEPARTMENT OF  
NATURAL RESOURCES  
DIVISION OF  
OIL AND GAS

CHECK DISTANCE TO NEAREST WELL.

CHECK OUTSTANDING OR OVERDUE REPORTS FOR OPERATOR'S OTHER WELLS.

IF POTASH DESIGNATED AREA, SPECIAL LANGUAGE ON APPROVAL LETTER

IF IN OIL SHALE DESIGNATED AREA, SPECIAL APPROVAL LANGUAGE.

VERIFY LEGAL AND SUFFICIENT DRILLING WATER

December 22, 1983

Calais Resources, Inc.  
c/o Williams M. Berryman  
423 University Bldg.  
910 16th Street  
Denver, Colorado 80202

RE: Well No. Horseshoe Bend Fed. 14-35  
SWSW 35, T. 6S, R. 22E  
640' FSL, 669' FWL  
Uintah County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to gas well is hereby granted in accordance with Rule C-3(b), General Rules and Regulations and Rules of Practice and Procedure. Prior to spudding, a copy of the Utah Division of Water Rights (Phone No. 801-533-6071) approval for use or purchase of drilling water must be submitted to this office, otherwise this approval is void.

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

RONALD J. FIRTH - Chief Petroleum Engineer  
Office: 533-5771  
Home: 571-6068

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

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

The API number assigned to this well is 43-047-31426.

Sincerely,

Norman C. Stout  
Administrative Assistant

NCS/as  
cc: Branch of Fluid Minerals  
Encl.

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  gas well  other

2. NAME OF OPERATOR  
John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR  
1444 Wazee Street, Suite 218, Denver, Co. 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) SW SW Section 35-T6S-R22E  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF
- FRACTURE TREAT
- SHOOT OR ACIDIZE
- REPAIR WELL
- PULL OR ALTER CASING
- MULTIPLE COMPLETE
- CHANGE ZONES
- ABANDON\*

(other) Change of Operator

SUBSEQUENT REPORT OF:

- 
- 
- 
- 
- 
- 
- 
- 

**RECEIVED**

JUL 30 1984

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

DIVISION OF OIL  
GAS & MINING

5. LEASE	U-48356
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	----
7. UNIT AGREEMENT NAME	----
8. FARM OR LEASE NAME	Horseshoe Bend Federal
9. WELL NO.	14-35
10. FIELD OR WILDCAT NAME	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	Section 35-T6S-R22E
12. COUNTY OR PARISH	Utah
13. STATE	Utah
14. API NO.	43-047-31426
15. ELEVATIONS (SHOW DF, KDB, AND WD)	5074' Gr.

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.)\*

To change the operator from:  
Calais Resources, Inc.  
c/o William M. Berryman  
423 University Building  
910 16th Street  
Denver, Colorado 80202

to:  
John P. Lockridge Operator, Inc.  
1444 Wazee Street, Suite 218  
Denver, Colorado 80202

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED John P. Lockridge TITLE President DATE 7/26/84  
John P. Lockridge

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

## DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

DISTRICT LAND OFFICE: VERNAL, UTAH  
SERIAL No.: U-48356

and hereby designates

NAME: JOHN P. LOCKRIDGE OPERATOR, INC.  
ADDRESS: 1444 WAZEE STREET, SUITE 218  
DENVER, COLORADO 80202

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Operating Regulations with respect to (describe acreage to which this designation is applicable):

T6S, R22E

Section 25: All  
Section 26: N $\frac{1}{2}$ , SW $\frac{1}{4}$ , W $\frac{1}{2}$ SE $\frac{1}{4}$   
Section 35: NE $\frac{1}{4}$ NE $\frac{1}{4}$ , S $\frac{1}{2}$ NE $\frac{1}{4}$ , W $\frac{1}{2}$ , SE $\frac{1}{4}$

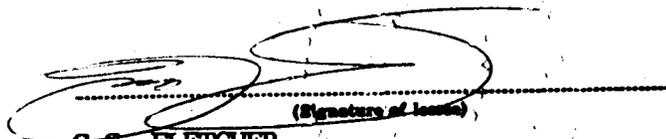
Containing 1800.00 acres, more or less,  
Uintah County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the supervisor of any change in the designated operator.

REGAL USA INC.



(Signature of lessee)

G.S. FLETCHER  
President, REGAL USA INC.

736 6th Avenue S.W., Suite 1600, Calgary, Alberta  
T2P 3T6 CANADA

July 18, 1984

(Date)

(Address)

JUN 2 1984

TEMPORARY

Application No. T 60063<sup>76 6246</sup>  
49-1326

TEMPORARY APPLICATION TO APPROPRIATE WATER RIGHTS STATE OF UTAH

NOTE:—The information given in the following blanks should be free from explanatory matter, but when necessary, a complete supplementary statement should be made on the following page under the heading "Explanatory."

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, for uses indicated by (X) in the proper box or boxes, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

- 1. Irrigation  Domestic  Stockwatering  Municipal  Power  Mining  Other Uses
- 2. The name of the applicant is John P. Lockridge AC 303 + 628-9371
- 3. The Post Office address of the applicant is 1444 Wazee, Suite 218, Denver CO 80202
- 4. The quantity of water to be appropriated \_\_\_\_\_ second-feet and/or 3 acre-feet
- 5. The water is to be used for gas well drilling from 7/1/84 to 6/30/85  
(Major Purpose) (Month) (Day) (Month) (Day)
- other use period \_\_\_\_\_ from \_\_\_\_\_ to \_\_\_\_\_  
(Minor Purpose) (Month) (Day) (Month) (Day)
- and stored each year (if stored) from \_\_\_\_\_ to \_\_\_\_\_  
(Month) (Day) (Month) (Day)
- 6. The drainage area to which the direct source of supply belongs is \_\_\_\_\_  
(Leave Blank)
- 7. The direct source of supply is\* Green River  
(Name of stream or other source)

which is tributary to \_\_\_\_\_, tributary to \_\_\_\_\_

\*Note.—Where water is to be diverted from a well, a tunnel, or drain, the source should be designated as "Underground Water" in the first space and the remaining spaces should be left blank. If the source is a stream, a spring, a spring area, or a drain, so indicate in the first space, giving its name, if named, and in the remaining spaces, designate the stream channels to which it is tributary, even though the water may sink, evaporate, or be diverted before reaching said channels. If water from a spring flows in a natural surface channel before being diverted, the direct source should be designated as a stream and not a spring.

- 8. The point of diversion from the source is in Uintah County, situated at a point\*  
2400' FWL & 1700' ENL Section 7-T65-R22E,  
on 2400' <sup>EAST</sup> and 1700' <sup>SOUTH</sup> from the NW corner of said  
Section. correction 7/6/84 U

\*Note.—The point of diversion must be located definitely by course and distance or by giving the distances north or south, and east or west with reference to a United States land survey corner or United States mineral monument, if within a distance of six miles of either, or if at a greater distance, to some prominent and permanent natural object. No application will be received for filing in which the point of diversion is not defined definitely.

- 9. The diverting and carrying works will consist of pumping the water from the Green River into water truck and hauling to drill rig location
- 10. If water is to be stored, give capacity of reservoir in acre-feet \_\_\_\_\_ height of dam \_\_\_\_\_  
area inundated in acres \_\_\_\_\_ legal subdivision of area inundated \_\_\_\_\_

- 11. If application is for irrigation purposes, the legal subdivisions of the area irrigated are as follows:  
Not applicable

- 12. Is the land owned by the applicant? Yes \_\_\_\_\_ No X If "No," explain on page 2.

- 13. Is this water to be used supplementally with other water rights? Yes \_\_\_\_\_ No X  
If "yes," identify other water rights on page 2.

- 14. If application is for power purposes, describe type of plant, size and rated capacity. \_\_\_\_\_

- 15. If application is for mining, the water will be used in \_\_\_\_\_ Mining District at the \_\_\_\_\_ mine, where the following ores are mined \_\_\_\_\_

- 16. If application is for stockwatering purposes, number and kind of stock watered \_\_\_\_\_

- 17. If application is for domestic purposes, number of persons \_\_\_\_\_, or families \_\_\_\_\_

- 18. If application is for municipal purposes, name of municipality \_\_\_\_\_

- 19. If application is for other uses, include general description of proposed uses The drilling of oil and gas test wells in the Horseshoe Bend - Walker Hollow area.

- 20. Give place of use by legal subdivision of the United States Land Survey for all uses described in paragraphs 14 to 19, incl. Please see listing on reverse side

- 21. The use of water as set forth in this application will consume 3 second feet and/or acre-feet of water and 0 second feet and/or acre feet will be returned to the natural stream or source at a point described as follows: \_\_\_\_\_

EXPLANATORY

The following additional facts are set forth in order to define more clearly the full purpose of the proposed application:

Drill site locations at which water is to be used:			SURFACE
SW SW 25-765-R22E	✓	#14-25 Horseshoe Bend	BLM
SW SW 27-765-R22E		#14-27 Horseshoe Bend	BLM
SW NE 32-765-R22E		#32-33 Horseshoe Bend	BLM
SW SW 35-765-R22E		#14-35 Horseshoe Bend	BLM
SW NW 2-775-R22E		#12X-2 Horseshoe Bend	Utah State
SW NE 3-775-R22E		#32-3 Horseshoe Bend	BLM

Item 12: Answer "No". Explanation: We do not own the land but have the right to explore for and develop oil and gas.

The drilling contractor will be

(Use page 4 if additional explanatory is needed.)

The quantity of water sought to be appropriated is limited to that which can be beneficially used for the purpose herein described

John P. Luchidge
Signature of Applicant

\*If applicant is a corporation or other organization, signature must be the name of such corporation or organization by its proper officer, or in the name of the partnership by one of the partners, and the names of the other partners shall be listed. If a corporation or partnership, the affidavit below need not be filled in. If there is more than one applicant, a power of attorney, authorizing one to act for all, should accompany the Application.

DECLARATION OF CITIZENSHIP

Colorado
STATE OF UTAH
County of Denver ss

On the 25th day of JUNE 1984, personally appeared before me, a notary public for the State of Utah, the above applicant who, on oath, declared that he is a citizen of the United States, or has declared his intention to become such a citizen.

My commission expires: My Commission Expires Feb. 17, 1986
1444 Wazee St., Suite 218
Denver, Colorado 80202

(SEAL)

Sarah-Jean Leonard
Notary Public

**FEEES FOR APPLICATIONS TO APPROPRIATE WATER IN UTAH**

Flow rate — c.f.s.	Cost	
0.0 to 0.1 .....	\$ 15.00	
over 0.1 to 0.5 .....	30.00	
over 0.5 to 1.0 .....	45.00	
over 1.0 to 15.0 .....	45.00	plus \$7.50 for each cfs above the first cubic
over 15.0 .....	150.00	foot per second.

Storage — acre-feet	Cost	
0 to 20 .....	22.50	
over 20 to 500 .....	45.00	
over 500 to 7500 .....	45.00	plus \$7.50 for each 500 a.f. above the first
over 7500 .....	150.00	500 acre feet.

(This section is not to be filled in by applicant)

**STATE ENGINEER'S ENDORSEMENTS**

1. 6/20/84 Application received by mail in State Engineer's office by CL
2. Priority of Application brought down to, on account of .....
3. 6-58-84 Application fee, \$15.00, received by J.H. Rec. No. 16002
4. Application microfilmed by .....
5. Indexed by ..... Platted by .....
6. Application examined by .....
7. Application returned, ..... or corrected by office .....
8. Corrected Application resubmitted by mail to State Engineer's office.
9. Application approved for advertisement by .....
10. Notice to water users prepared by .....
11. Publication began; was completed .....
12. Proof slips checked by .....
13. Application protested by .....
14. Publisher paid by M.E.V. No. ....
15. Hearing held by .....
16. Field examination by .....
17. 7/26/84 Application designated for approval SG
18. 8/3/84 Application copied or photostated by S.L.M. proofread by .....
19. 8/3/84 Application approved
20. Conditions:

This Application is approved, subject to prior rights, as follows:

- a. Actual construction work shall be diligently prosecuted to completion.
- b. Proof of Appropriation shall be submitted to the State Engineer's office by NPR
- c. **TEMPORARY APPROVAL -- EXPIRES June 30, 1985.**

*Dee C. Hansen*  
Dee C. Hansen, P.E., State Engineer

21. Time for making Proof of Appropriation extended to .....
22. Proof of Appropriation submitted.
23. Certificate of Appropriation, No. ...., issued

**TEMPORARY** Application No. 160065



**JOHN P. LOCKRIDGE OPERATOR, INC.**

**RECEIVED**

**AUG 9 1984**

**DIVISION OF OIL  
GAS & MINING**

August 6, 1984

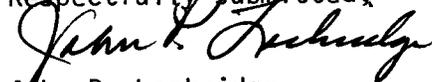
State of Utah  
Department of Natural Resources  
4241 State Office Building  
Salt Lake City, Utah 84114

Re: Approval for Use of Water  
John P. Lockridge Operator, Inc.  
14-35 Horseshoe Bend  
SW SW 35-T6S-R22E  
Uintah County, Utah

Dear Sir:

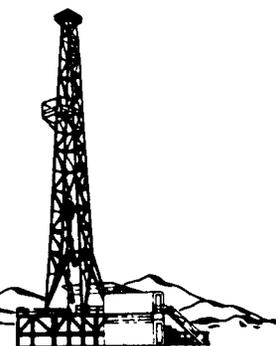
Enclosed please find an approved application for temporary use of water out of the Green River for drilling gas wells in the Horseshoe Bend area. The Temporary Application No. is 49-1326(T60065)

Respectfully submitted,

  
John P. Lockridge

JPL/sl

enclosure



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  gas well  other

2. NAME OF OPERATOR  
John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR  
1444 Wazee Street, Suite 218, Denver, Co. 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
SW SW Section 35-T6S-R22E  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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) submit data on BOP program and rig layout

5. LEASE  
U-48356  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-----  
7. UNIT AGREEMENT NAME  
-----  
8. FARM OR LEASE NAME  
Horseshoe Bend Federal  
9. WELL NO.  
14-35  
10. FIELD OR WILDCAT NAME  
-----  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 35-T6S-R22E  
12. COUNTY OR PARISH | 13. STATE  
Uintah | Utah  
14. API NO.  
43-047-31426  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5074' Gr.

(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.)\*

To submit BOP diagram including annulus preventor which was not in original APD; and to submit rig layout sketch for rig now under contract for this location.

RECEIVED

AUG 15 1984

DIVISION OF OIL  
GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

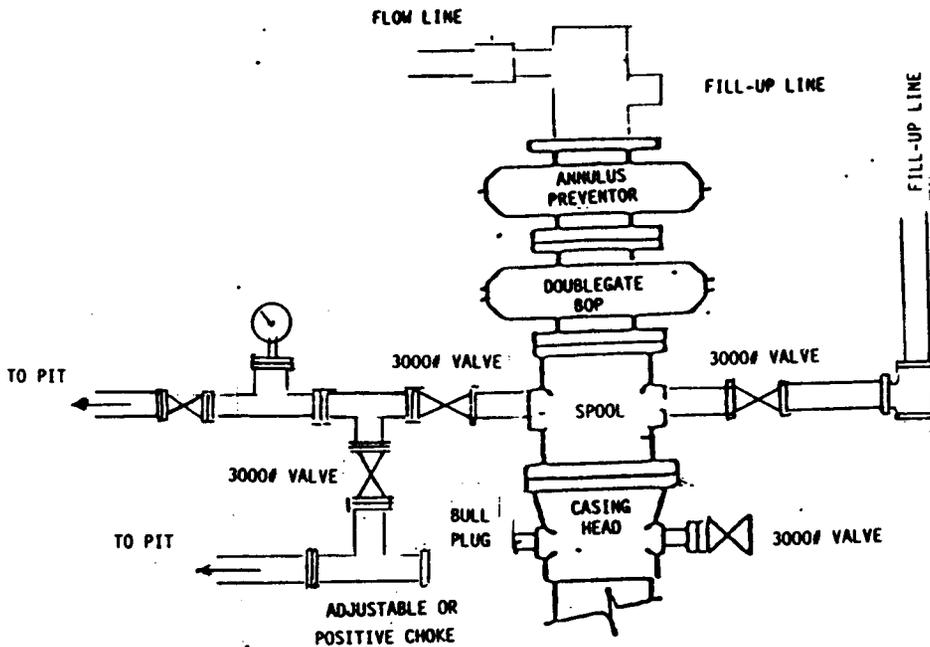
SIGNED John P. Lockridge TITLE President DATE 8/9/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

EXHIBIT 1

Sketch of Blowout Preventor  
3000 psi System

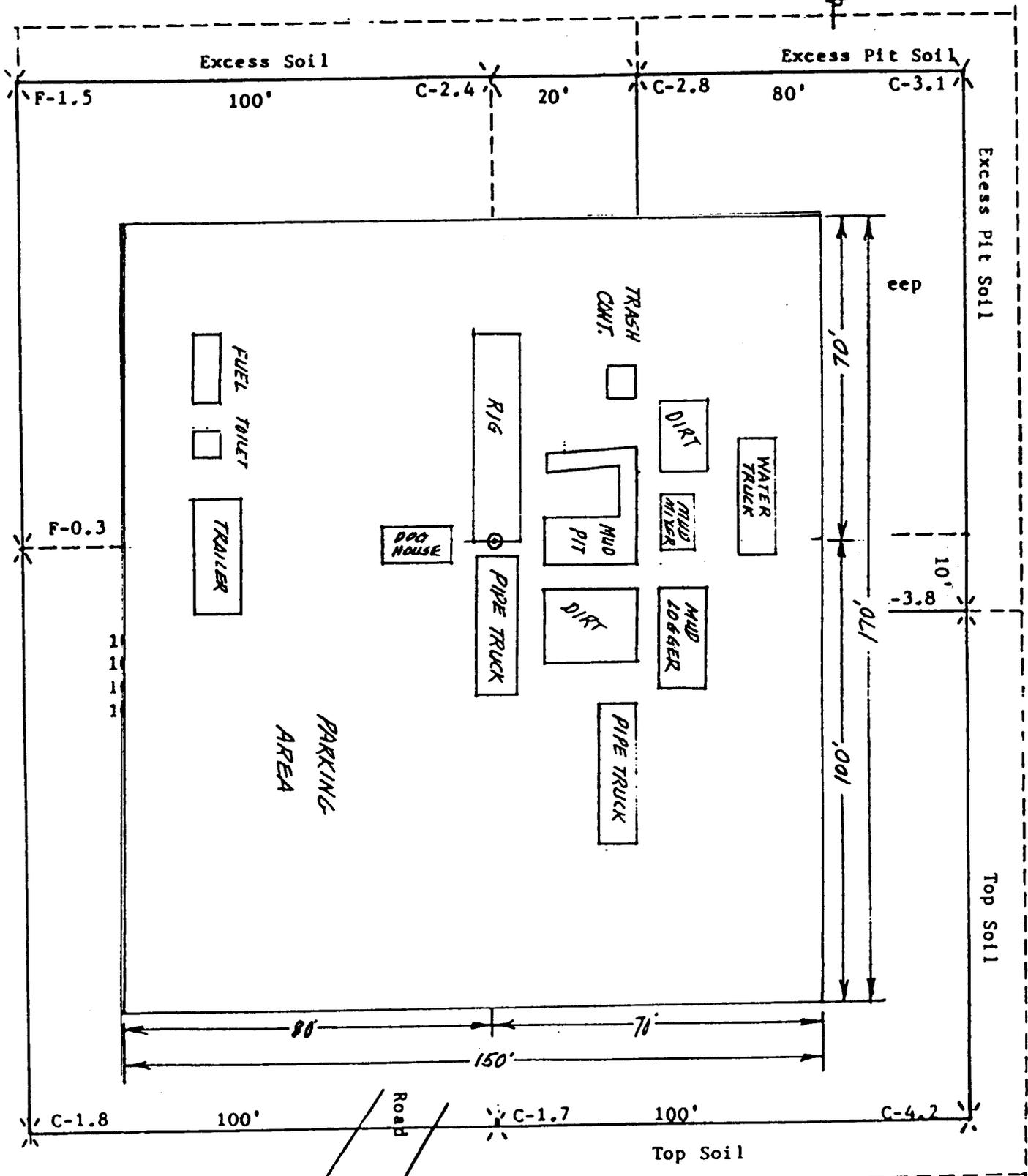


Note: Pipe rams to be operated daily. Blind rams to be operated each trip.

Test Procedure

- 1) Flush BOP's and all lines to be tested with water.
- 2) Run test plug on test joint and seat in casing head (leave valve below test plug open to check for leak).
- 3) Test as following to rated pressure:
  - a) inside blowout preventer
  - d) stand pipe valve
  - e) lines to mud pump
  - f) kill line to BOP's
- 4) Close and test pipe rams to rated pressure.
- 5) Close and test Hydril to rated pressure.
- 6) Back off and leave test plug in place. Close and test blind rams to rated pressure.
- 7) Test all choke manifold valves to rated pressure.
- 8) Test kill line valves to rated pressure.

John P. Lockridge Operator, Inc.  
 Horseshoe Bend Federal  
 #14-35 Sec. 35, T6S., R22E.  
 640' FSL. & 669' FWL.  
 Uintah County, Utah.



Prepared by:  
 R. Johanson  
 Denver, Colorado

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company Calais Resources Well No. 14-35  
Location Sec. 35 T 6S R 22E Lease No. U-48356  
Onsite Inspection Date November 28, 1983

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. All fresh water and prospectively valuable minerals (as described by BIM at onsite) encountered during drilling, will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.
2. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventer controls will be installed prior to drilling the surface casing plug and will remain in use until the well is completed or abandoned. Preventers will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventers will be pressure tested before drilling casing cement plugs.
3. Mud Program and Circulating Medium:  
The APD describes the mud weights and desired mud viscosities for the drilling project. No chromates are to be used without the approval of the Vernal Engineering Staff.
4. Coring, Logging and Testing Program:  
Run adequate electric, sonic, radioactivity and caliper logs to identify prime oil shale zones and fresh water aquifers. Casing and cementing programs will be adjusted to protect oil and gas zones, other minerals and fresh water.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 15 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the authorized officer (AO).

5. No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the AO within 48 hours after spudding. If the spudding occurs on a weekend or holiday, the report will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations", starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report will be filed, in duplicate, directly with Royalty Management Accounting Center, Minerals Management Service, P. O. Box 2859, Casper, Wyoming 82602, and a copy forwarded to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than the first business day following the date on which the well is placed on production.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the SO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

A first production conference will be scheduled within 15 days after receipt of the first production notice.

(The following stipulations apply to the Surface Use Plan)

6. Planned Access Roads: About 2,200 feet of jeep trails will be upgraded to serve as access.
  - a. Width: An 18 foot wide crowned road on a 30 foot right-of-way.
  - b. Maximum grades: 8 percent
  - c. Turnouts: None planned
  - d. Other: One cattleguard is recommended where the access road proceeds through an existing gate.

All travel will be confined to existing access road rights-of-way.

7. Location of Tank Batteries and Production Facilities:

All permanent (on site for six months or longer) structures constructed or installed (including oil well pumpjacks) will be painted a flat, non-reflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5 State Interagency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with O.S.H.A. (Occupational Safety and Health Act) will be excluded.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain  $1\frac{1}{2}$  times the storage capacity of the battery.

Tank batteries will be placed on the southwest corner of the pad.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the AO.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and anchored securely at the meter. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place prior to any deliveries. Tests for meter accuracy will be conducted monthly for the first three months on new meter installations and at least quarterly thereafter. The AO will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the Vernal District Office. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

The use of materials under BIM jurisdiction will conform to 43 CFR 3610.2-3.

Construction material will be located on lease.

8. Methods of Handling Waste Disposal:

The reserve pit will not be lined.

Burning will not be allowed. All trash must be contained and disposed of by use of a trash cage during drilling operations and then hauled to an approved disposal site.

Produced waste water will be confined to this reserve pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with required water analysis, will be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance, and will be grounds for issuing a shut-in order.

9. Well Site Layout:

The reserve pit and pad will be located as indicated in the APD.

The top 6 inches of topsoil will be stockpiled and stored as indicated in the APD.

Reserve pits will be fenced with a wire mesh fence and topped with at least one strand of barbed wire.

10. Plans for Restoration of Surface:

Immediately upon completion of drilling, the location and surrounding area will be cleared of all debris, materials, trash and junk not required for production.

Before any dirt work to restore the location takes place, the reserve pit must be completely dry and all cans, barrels, pipe, etc. will be removed.

The reserve pit and that portion of the location and access road not needed for production facilities will be reclaimed within a reasonable time period.

If the well is to be abandoned, then all disturbed areas will be recontoured to the approximate natural contours.

The stockpiled topsoil will be evenly distributed over the disturbed areas.

Prior to reseeding, the operator will consult with the Vernal District BLM for an approved seeding mixture.

Also, then prior to reseeding, all disturbed areas no longer needed for other wells or production facilities, including the access roads, will be scarified and left with a rough surface.

11. Other Information:

A general description of the location is given in the APD.

There will be no deviation from the proposed drilling and/or workover program without prior approval from the AO. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

A cultural resource clearance has been received for the location, however, if any cultural resources are found during construction, all work will stop and the AO will be notified.

This drilling permit will be valid for a period of one year from the date of approval. After permit termination, a new application will be filed for approval for any future drilling operations.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

b. TYPE OF WELL  
 OIL WELL       GAS WELL       OTHER       SINGLE ZONE       MULTIPLE ZONE

2. NAME OF OPERATOR  
 John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR  
 1444 Wazee Street, Suite 218, Denver, Colorado 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*  
 At surface      640' FSL, 669' FWL (SW SW) Section 35-T6S-R22E  
 At proposed prod. zone  
 same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 16 miles south of Vernal, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)      640'

16. NO. OF ACRES IN LEASE      1800'

17. NO. OF ACRES ASSIGNED TO THIS WELL      320

18. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.      7500'

19. PROPOSED DEPTH      3350'

20. ROTARY OR CABLE TOOLS      Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 5074' Gr.

22. APPROX. DATE WORK WILL START\*  
 9/1/84

5. LEASE DESIGNATION AND SERIAL NO.  
 U-48356

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Horseshoe Bend Federal

9. WELL NO.  
 14-35

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 35-T6S-R22 SLM

12. COUNTY OR PARISH      13. STATE  
 Uintah      Utah

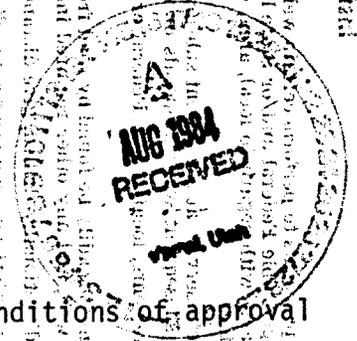
23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24#	200'	Circ. to surface sufficient to seal all productive zones
7 7/8"	5 1/2"	15.5#	3350'	

See attached:

- 1) Ten Point Drilling Program
- 2) Multipoint Surface Use and Operation Plan
- 3) Cultural Resource Survey Report

John P. Lockridge Operator, Inc. will accept all conditions of approval as set forth for Calais Resources, Inc.



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 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 John P. Lockridge TITLE President DATE 8/15/84  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE DISTRICT MANAGER DATE 8/23/84  
 CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

NOTICE OF APPROVAL  
 CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY  
 \*See Instructions On Reverse Side

Div Oil Gas & Mining

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  gas well  other

2. NAME OF OPERATOR  
John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR  
1444 Wazee Street, Suite 218, Denver, Co. 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.) SW SW Section 35-T6S-R22E  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

5. LEASE  
U-48356

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

7. UNIT AGREEMENT NAME  
-----

8. FARM OR LEASE NAME  
Horseshoe Bend Federal

9. WELL NO.  
14-35

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 35-T6S-R22E

12. COUNTY OR PARISH | 13. STATE  
Utah | Utah

14. API NO.  
43-047-31426

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5074' Gr.

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) Change of hole and casing size

(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.)\*

Size of Hole	Size of Casing	Weight Per Foot	Setting Depth	Quantity of Cement
6 3/4"	4 1/2"	10.5#	3475'	Circulate sufficient to seal all productive zones

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED John P. Lockridge TITLE President DATE 8/24/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

*Federal approval of this action is required.*

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

DATE 8/28/84  
BY: John K. Bay

## DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

43-047-31426

NAME OF COMPANY: John P. LockridgeWELL NAME: Horseshoe BEnd Fed. 14-35SECTION SWSW 35 TOWNSHIP 6S RANGE 22E COUNTY UintahDRILLING CONTRACTOR Western Well DrillingRIG # 3SPUDDED: DATE 8-30-84TIME 1:30 AMHOW Rotary

DRILLING WILL COMMENCE \_\_\_\_\_

REPORTED BY Curly GrimlieTELEPHONE # 801-789-4200 (ext. 8533)DATE 8-30-84 SIGNED AS

**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  gas well  other

2. NAME OF OPERATOR  
John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR 80202  
1444 Wazee Street, Suite 218, Denver, Co.

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
SW SW Section 35-T6S-R22E  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-48356

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

7. UNIT AGREEMENT NAME  
-----

8. FARM OR LEASE NAME  
Horseshoebend Federal

9. WELL NO.  
14-35

10. FIELD OR WILDCAT NAME  
-----

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 35-T6S-R22E

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

14. API NO.  
43-047-31426

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5074' Gr.

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	<input type="checkbox"/>	Notification of spud date	<input type="checkbox"/>

**RECEIVED**  
**SEP 4 1984**  
**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.)\*

Drilling of the subject well was commenced 8/30/84.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED John P. Lockridge TITLE President DATE 8/30/84

(This space for Federal or State office use)

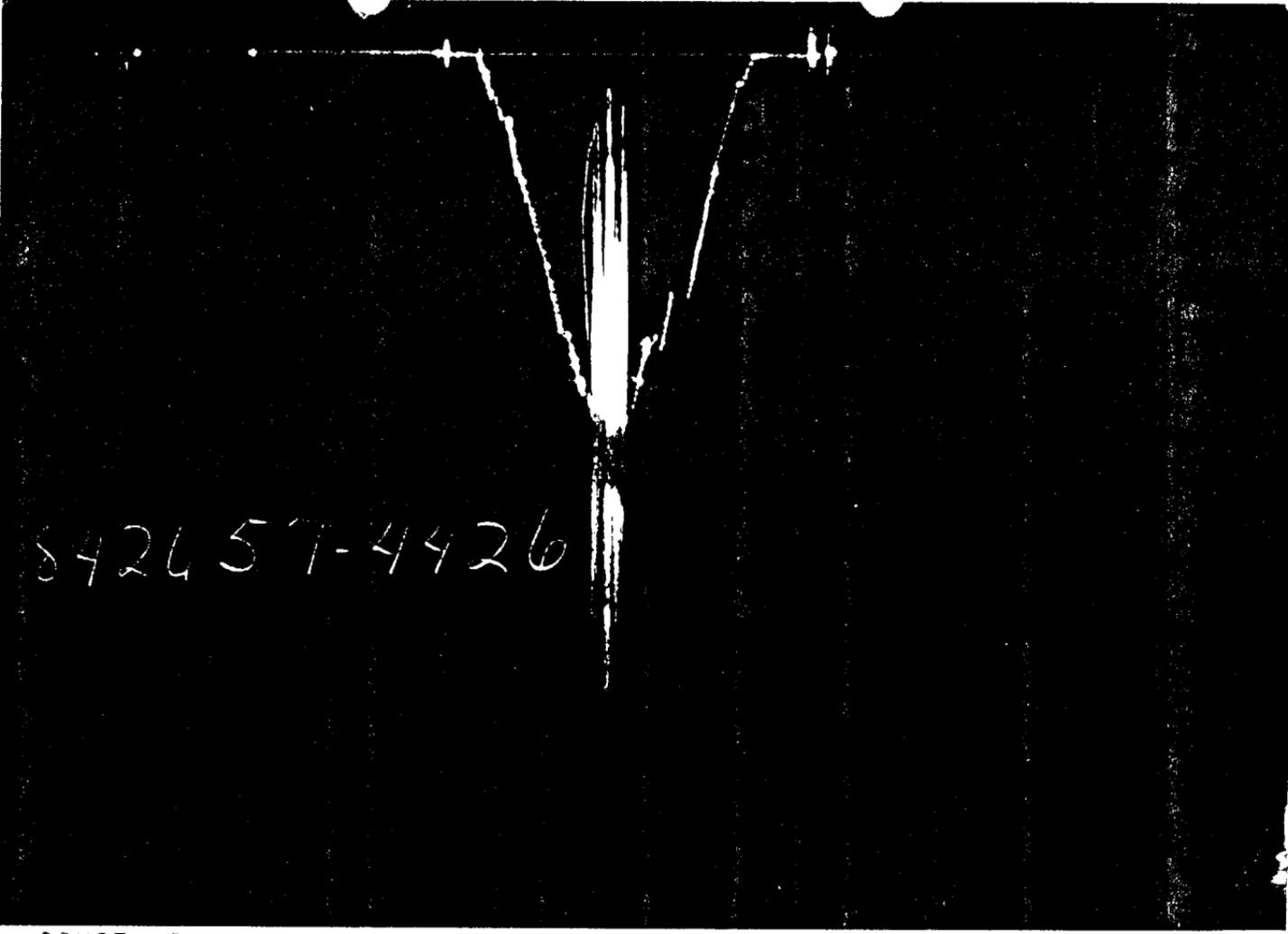
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:



TICKET NO. 84265700  
20-SEP-84  
VERNAL

# FORMATION TESTING SERVICE REPORT

HORSESHOE	BEND	FEDERAL	14-35	1	JOHN P. LOCKRIDGE OPERATOR, INCORPORATED
LEASE NAME	WELL NO.	TEST NO.	TESTED INTERVAL	LEASE OWNER/COMPANY NAME	
LEGAL LOCATION	35-65-22E	FIELD AREA	WILDCAT	COUNTY	UTAH
SEC. - TWP. - RNG.				STATE	UTAH
					BG



842657-4426



GAUGE NO: 4426 DEPTH: \_\_\_\_\_ BLANKED OFF: NO HOUR OF CLOCK: 24

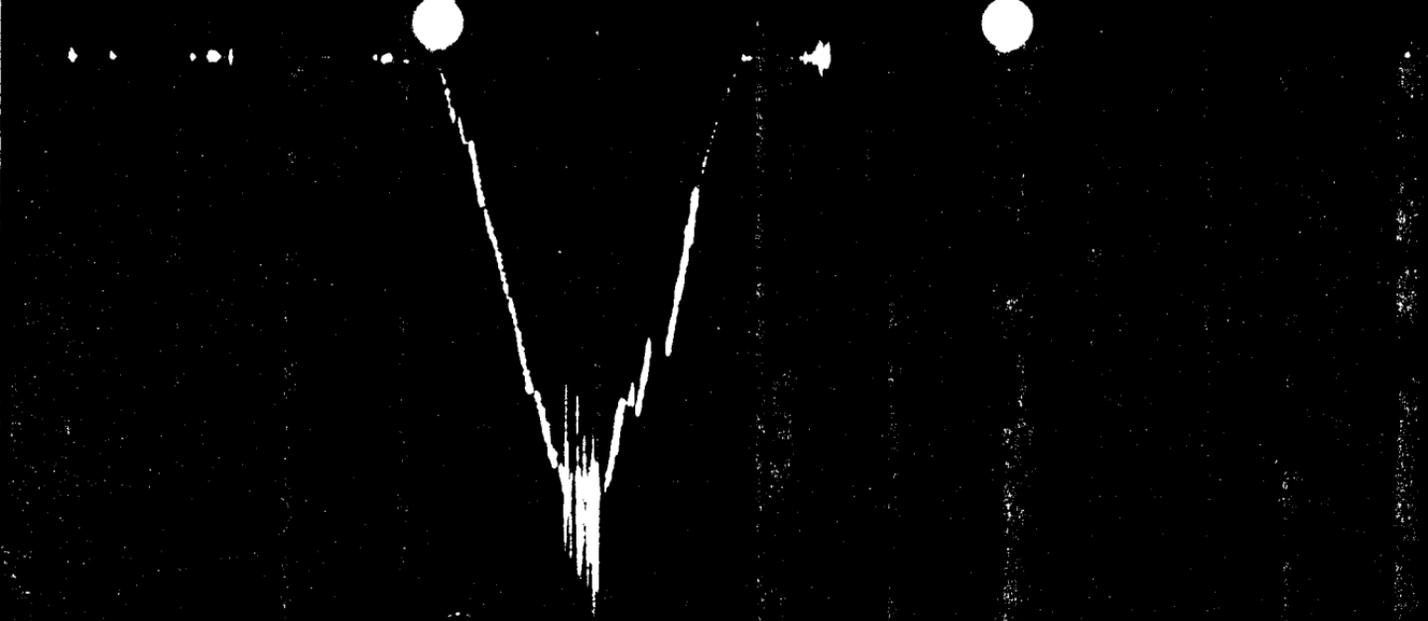
ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	FAILED TO REACH BOTTOM					



542657-649

GAUGE NO: 649 DEPTH: \_\_\_\_\_ BLANKED OFF: YES HOUR OF CLOCK: 24

ID	DESCRIPTION	PRESSURE		TIME		TYPE
		REPORTED	CALCULATED	REPORTED	CALCULATED	
A	FAILED TO REACH BOTTOM					



542657-649

# EQUIPMENT & HOLE DATA

FORMATION TESTED: \_\_\_\_\_  
 NET PAY (ft): \_\_\_\_\_ 7.0  
 GROSS TESTED FOOTAGE: \_\_\_\_\_  
 ALL DEPTHS MEASURED FROM: \_\_\_\_\_ KB  
 CASING PERFS. (ft): \_\_\_\_\_  
 HOLE OR CASING SIZE (in): \_\_\_\_\_ 6.750  
 ELEVATION (ft): \_\_\_\_\_ 5074  
 TOTAL DEPTH (ft): \_\_\_\_\_ 3080.0  
 PACKER DEPTH(S) (ft): \_\_\_\_\_  
 FINAL SURFACE CHOKE (in): \_\_\_\_\_ 0.250  
 BOTTOM HOLE CHOKE (in): \_\_\_\_\_  
 MUD WEIGHT (lb/gal): \_\_\_\_\_ 8.80  
 MUD VISCOSITY (sec): \_\_\_\_\_  
 ESTIMATED HOLE TEMP. (°F): \_\_\_\_\_ 100  
 ACTUAL HOLE TEMP. (°F): \_\_\_\_\_ 0 \_\_\_\_\_ ft

TICKET NUMBER: 84265700  
 DATE: 9-16-84 TEST NO: 1  
 TYPE DST: OPEN HOLE  
 HALLIBURTON CAMP:  
VERNAL  
 TESTER: RICHARDS  
 WITNESS: \_\_\_\_\_  
 DRILLING CONTRACTOR:  
WESTERN WELL DRILLING #D-3

## FLUID PROPERTIES FOR RECOVERED MUD & WATER

SOURCE	RESISTIVITY	CHLORIDES
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm
_____	_____ °F	_____ ppm

## SAMPLER DATA

Pstg AT SURFACE: \_\_\_\_\_  
 cu.ft. OF GAS: \_\_\_\_\_  
 cc OF OIL: \_\_\_\_\_  
 cc OF WATER: \_\_\_\_\_  
 cc OF MUD: \_\_\_\_\_  
 TOTAL LIQUID cc: \_\_\_\_\_

## HYDROCARBON PROPERTIES

OIL GRAVITY (°API): \_\_\_\_\_ °F  
 GAS/OIL RATIO (cu.ft. per bbl): \_\_\_\_\_  
 GAS GRAVITY: \_\_\_\_\_

## CUSHION DATA

TYPE	AMOUNT	WEIGHT
_____	_____	_____
_____	_____	_____

## RECOVERED:

MEASURED FROM TESTER VALVE

## REMARKS:

MISRUN...UNABLE TO REACH BOTTOM, LACKED 40 FEET.  
 ATTEMPTED TO TEST FROM 3054' TO 3080'.  
 REPORTED ELEVATION MEASURED AT GROUND LEVEL.



		O.D.	I.D.	LENGTH	DEPTH
1		DRILL PIPE.....	3.500	2.764	
3		DRILL COLLARS.....	4.750	2.000	300.0
50		IMPACT REVERSING SUB.....	4.750	2.500	0.9
3		DRILL COLLARS.....	4.750	2.000	40.0
5		CROSSOVER.....	4.750	2.000	0.7
13		DUAL CIP SAMPLER.....	3.875	0.750	6.7
33		DRAIN VALVE.....	3.875	1.870	2.0
97		SAMPLE CHAMBER.....	3.875	1.800	4.1
33		DRAIN VALVE.....	3.875	1.870	2.0
60		HYDROSPRING TESTER.....	3.875	0.625	6.6
80		AP RUNNING CASE.....	3.875	2.000	4.7
15		JAR.....	3.875	1.250	6.4
16		VR SAFETY JOINT.....	3.875	0.750	3.6
70		OPEN HOLE PACKER.....	5.250	0.750	5.8
18		DISTRIBUTOR VALVE.....	3.875	1.000	3.7
70		OPEN HOLE PACKER.....	5.500	0.750	6.8
20		FLUSH JOINT ANCHOR.....	3.750	1.750	19.0
81		BLANKED-OFF RUNNING CASE.....	3.875		4.1

TOTAL DEPTH

3080.0

EQUIPMENT DATA

RECEIVED

JOHN P. LOCKRIDGE OPERATOR, INC.

SEP 27 1984

DIVISION OF OIL  
GAS & MINING

September 25, 1984

Bureau of Land Management  
170 S. 500 E.  
Vernal, Utah 84078

Re: Sundry Notice  
Completion rig and Perforation  
#14-35 Horseshoe Bend Federal  
Uintah County, Utah

Gentlemen:

A Sundry Notice for the captioned well is enclosed for your approval.

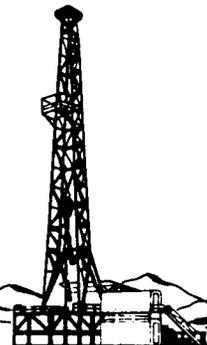
Your prompt consideration and approval of this notice will be appreciated.

Sincerely,

  
John P. Lockridge

JPL/sl

cc: Norm Stout  
Utah Department of Natural Resources



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  gas well  other

2. NAME OF OPERATOR  
John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR  
1444 Wazee Street, Suite 218, Denver, CO 80202

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
SW SW 35-T6S-R22E  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

5. LEASE  
U-48356

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

7. UNIT AGREEMENT NAME  
----

8. FARM OR LEASE NAME  
Horseshoe Bend Federal

9. WELL NO.  
14-35

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
35-T6S-R22E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.  
43-047-31426

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5074' Gr.

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

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input checked="" type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other)		

**RECEIVED**

SEP 27 1984

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

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.)\*

Move in Western Oil Well Service completion rig. Perforate with 2 shots per foot from 3048' to 3058', and 3116' to 3126'. Treat each zone with 1000 gallons 10% MCA.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

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

SIGNED John P. Lockridge President, John P. Lockridge Operator, Inc. DATE 9/25/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

# Sun Oilfield Service, Inc.

## SUB-SURFACE SURVEY

Company JOHN P. LOCKRIDGE OPER., INC Field HORSESHOE BEND Lease and Well HORSESHOE BEND FED. #14-3  
County UINAH State UTAH Date OCT. 6/8, 1984

T. D. B.P. 2881' Formation \_\_\_\_\_  
Elevation 5'KB Casing \_\_\_\_\_  
Perforation 2873'-2875' Tubing PKR. 2824'  
Datum Point 2874' (MID-PERF.)

### 36:40 HR. BHP BUILDUP SURVEY

<u>TIME(HOURS)</u>	<u>PRESSURE(PSI)</u>	
TOP(IN)	980	-- WELL SHUT IN AT 4PM, 10-6-84.
0:00	1048	-- BOMB ON BOTTOM AT 6:20PM, 10-6-84.
0:05	1048	
0:10	1049	
0:15	1049	
0:20	1050	
0:25	1050	
0:30	1052	
0:35	1052	
0:40	1053	
0:45	1053	
0:50	1054	
0:55	1054	
1:00	1055	
1:15	1057	
1:30	1058	
1:45	1060	
2:00	1062	
2:15	1063	
2:30	1064	
2:45	1065	
3:00	1067	
3:15	1067	
3:30	1068	
3:45	1069	
4:00	1071	
4:15	1071	
4:30	1072	
4:45	1072	
5:00	1073	
5:15	1073	
5:30	1074	
5:45	1074	
6:00	1076	
6:15	1076	
6:30	1077	
6:45	1077	
7:00	1078	
8:00	1079	
9:00	1082	
10:00	1083	
11:00	1084	
12:00	1086	

CONTINUED ON PG. 2.

# Sun Oilfield Service, Inc.

## SUB-SURFACE SURVEY

Company JOHN P. LOCKRIDGE OPER., INC Field HORSESHOE BEND Lease and Well HORSESHOE BEND FED. #14-

County UINTAH State UTAH Date OCT. 6/8. 1984

T. D. .... Formation .....

Elevation ..... Casing .....

Perforation ..... Tubing .....

Datum Point 2874'

### 36:40 HR. BHP BUILDUP SURVEY (CONT.)

<u>TIME(HOURS)</u>	<u>PRESSURE(PSI)</u>	
13:00	1087	
14:00	1088	
15:00	1089	
16:00	1091	
17:00	1092	
18:00	1093	
19:00	1094	
20:00	1096	
21:00	1096	
22:00	1097	
23:00	1097	
24:00	1098	
27:00	1100	
30:00	1102	
33:00	1103	
36:00	1105	
36:40	1105	-- BOMB OFF BOTTOM AT 7AM, 10-8-84.

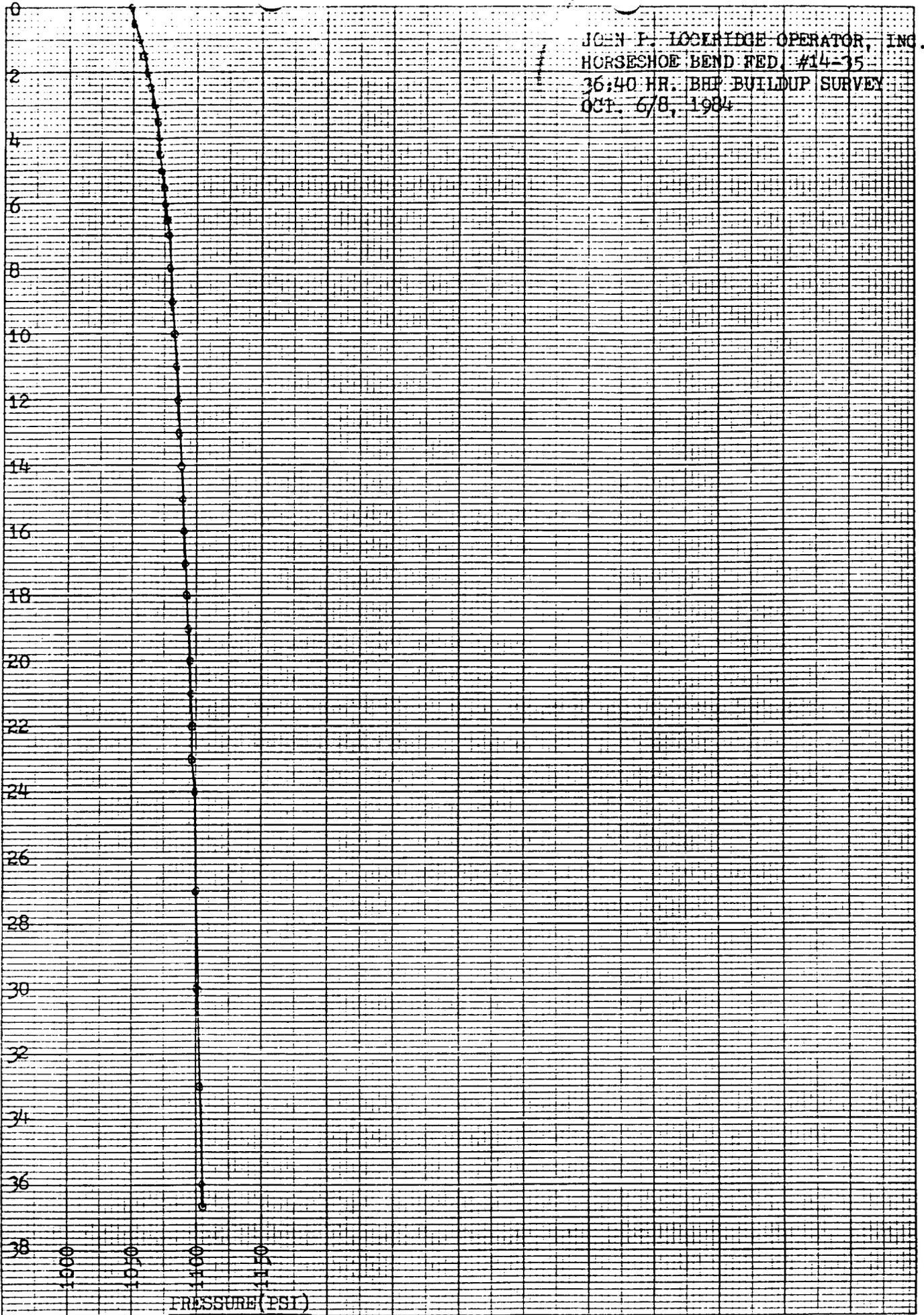
### 36:40 HR. STATIC GRADIENT SURVEY

<u>DEPTH(FEET)</u>	<u>PRESSURE(PSI)</u>	<u>GRADIENT(#/FT.)</u>
TOP	1035	
1000	1059	.024
2000	1084	.025
2500	1096	.024
2800	1103	.023
2874(MID-PERF.)	1105	.027

### REMARKS:

1. AMERADA INSTRUMENT #44999, 2500 PSI, 72 HR. CLOCK.
2. TEMP. AT 2874', 86°F.

TIME (HOURS)



PRESSURE (PSI)

JOHN P. LOCKRIDGE OPERATOR, INC.  
HORSESHOE BEND FED. #14-35  
36:40 HR. STATIC GRADIENT SURVEY  
OCT. 8, 1984

DEPTH (FEET)

TOP  
1000  
2000  
3000

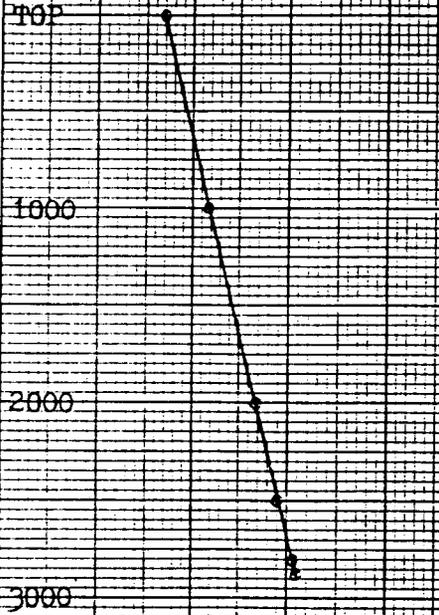
1000

1050

1100

1150

PRESSURE (PSI)



# Sun Oilfield Service, Inc.

## SUB-SURFACE SURVEY

Company JOHN P. LOCKRIDGE OPER., INC Field HORSESHOE BEND Lease and Well HORSESHOE BEND FED. #14-

County UINTAH State UTAH Date OCTOBER 4/5, 1984

T. D. .... Formation .....

Elevation 5'KB ..... Casing .....

Perforation 2892'-2895' ..... Tubing PKR. 2887' .....

Datum Point 2893.5'(MID-PERF.) .....

### 13:30 HR. BHP BUILDUP SURVEY

<u>TIME(HOURS)</u>	<u>PRESSURE(Psi)</u>	
TOP(IN)	922	-- WELL SHUT IN AT 5PM, 10-4-84.
0:00	997	-- BOMB ON BOTTOM AT 5:30PM, 10-4-84.
0:05	1007	
0:10	1011	
0:15	1024	
0:20	1028	
0:25	1015	
0:30	1005	
0:35	997	
0:40	995	
0:45	992	
0:50	991	
0:55	991	
1:00	991	
1:15	992	
1:30	995	
1:45	999	
2:00	1002	
2:15	1006	
2:30	1010	
2:45	1014	
3:00	1018	
3:15	1021	
3:30	1024	
3:45	1028	
4:00	1030	
4:15	1033	
4:30	1035	
4:45	1038	
5:00	1040	
5:15	1042	
5:30	1043	
5:45	1045	
6:00	1047	
6:15	1048	
6:30	1049	
6:45	1052	
7:00	1053	
8:00	1057	
9:00	1060	

CONTINUED ON PG. 2.

# Sun Oilfield Service, Inc.

## SUB-SURFACE SURVEY

Company JOHN P. LOCKRIDGE OPER., INC Field HORSESHOE BEND Lease and Well HORSESHOE BEND FED. #14-3

County UINTAH State UTAH Date OCTOBER 4/5, 1984

T. D. .... Formation .....

Elevation ..... Casing .....

Perforation ..... Tubing .....

Datum Point 2893.5'

### 13:30 HR. BHP BUILDUP SURVEY (CONT.)

<u>TIME(HOURS)</u>	<u>PRESSURE(PSI)</u>	
10:00	1063	
11:00	1065	
12:00	1068	
13:00	1071	
13:30	1072	-- BOMB OFF BOTTOM AT 7AM, 10-5-84.

### 13:30 HR. STATIC GRADIENT SURVEY

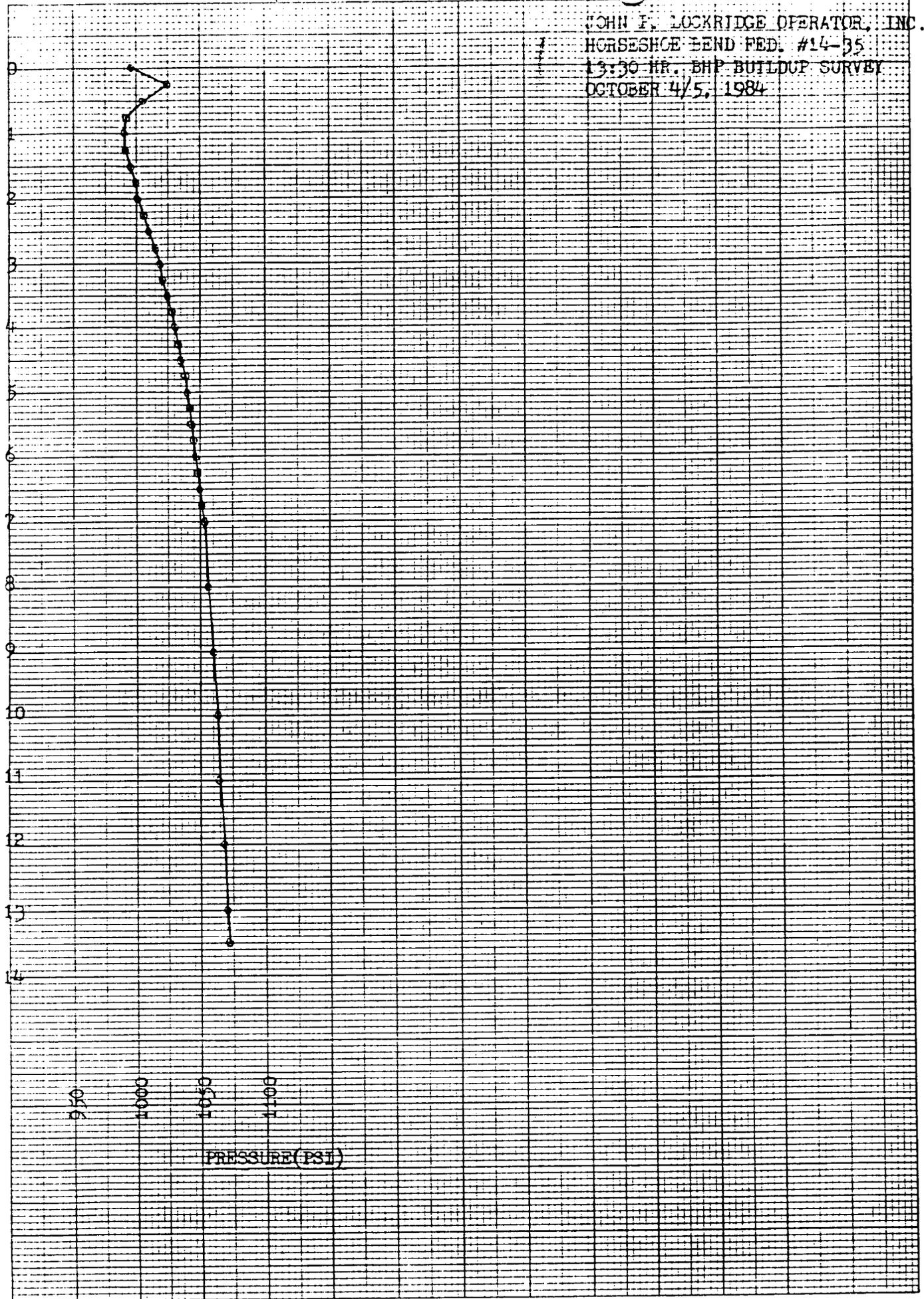
<u>DEPTH(FEET)</u>	<u>PRESSURE(PSI)</u>	<u>GRADIENT(#/FT.)</u>
TOP	1005	
1000	1028	.023
2000	1052	.024
2500	1064	.024
2850	1071	.020
2893.5	1072	.023

### REMARKS:

1. AMERADA INSTRUMENT #44999, 2500 PSI, 24 HR. CLOCK.
2. TEMP. AT 2893.5', 86°F.

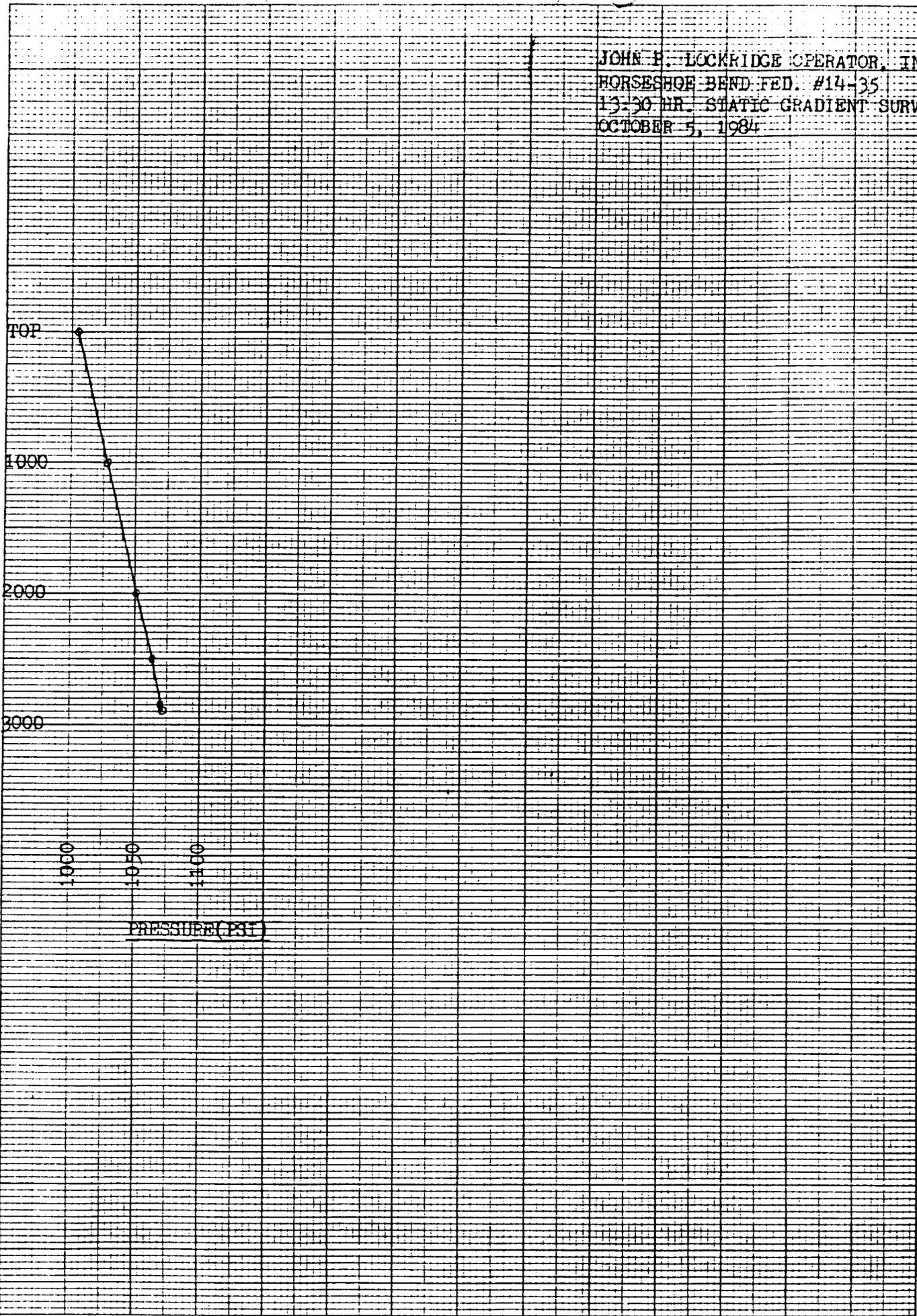
JOHN F. LOCKRIDGE OPERATOR, INC.  
HORSESHOE BEND FED. #14-35  
13:30 HR. BHP BUILDUP SURVEY  
OCTOBER 4/5, 1984

TIME (HOURS)



PRESSURE (PSI)

DEPTH (FEET)



JOHN E. LOCKRIDGE OPERATOR, INC.  
HORSESHOE BEND FED. #14-35  
13:30 HR. STATIC GRADIENT SURVEY  
OCTOBER 5, 1984

# Sun Oilfield Service, Inc.

## SUB-SURFACE SURVEY

Company JOHN P. LOCKRIDGE OPER., INC. Field HORSESHOE BEND Lease and Well HORSESHOE BEND FED. #14-35

County UINTAH State UTAH Date OCT. 2/3, 1984.

T. D. BP3012' Formation .....

Elevation 5'KB Casing .....

Perforation 2917'-2923' Tubing PKR. 2887'

Datum Point 2920'MID-PERF.)

### 11:30 HR. BHP BUILDUP SURVEY

<u>TIME(HOURS)</u>	<u>PRESSURE(PSI)</u>	
TOP(IN)	1059	-- WELL SHUT IN AT 7:30PM, 10-2-84.
0:00	1179	-- BOMB ON BOTTOM AT 8PM, 10-2-84.
0:05	1190	
0:10	1197	
0:15	1202	
0:20	1204	
0:25	1207	
0:30	1209	
0:35	1210	
0:40	1210	
0:45	1212	
0:50	1212	
0:55	1213	
1:00	1213	
1:15	1208	
1:30	1207	
1:45	1207	
2:00	1207	
2:15	1207	
2:30	1207	
2:45	1207	
3:00	1207	
3:15	1207	
3:30	1207	
3:45	1207	
4:00	1207	
4:15	1207	
4:30	1207	
4:45	1207	
5:00	1207	
5:15	1207	
5:30	1207	
5:45	1207	
6:00	1207	
6:15	1207	
6:30	1207	
6:45	1207	
7:00	1207	
8:00	1207	
9:00	1207	
10:00	1207	
11:00	1206	-- BOMB OFF BOTTOM AT 7AM, 10-3-84.

CONTINUED ON PG. 2.

# Sun Oilfield Service, Inc.

## SUB-SURFACE SURVEY

Company JOHN P. LOCKRIDGE OPER., INC Field HORSESHOE BEND Lease and Well HORSESHOE BEND FED. #14-  
 County UINTAH State UTAH Date OCT. 3, 1984

T. D. .... Formation .....

Elevation ..... Casing .....

Perforation ..... Tubing .....

Datum Point ..... 2920'

### 11:00 HR. STATIC GRADIENT SURVEY

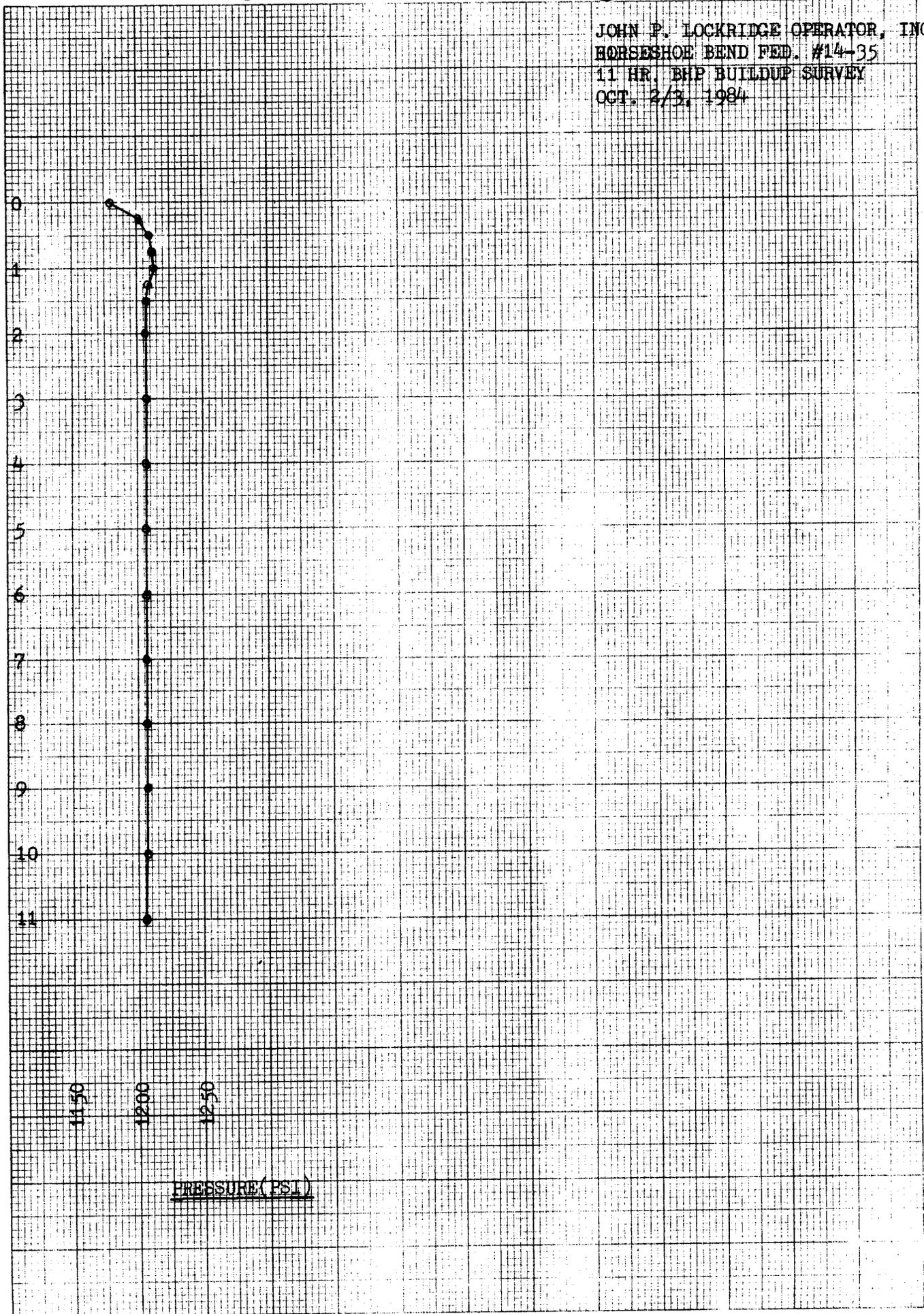
<u>DEPTH (FEET)</u>	<u>PRESSURE (PSI)</u>	<u>GRADIENT (#/FT.)</u>
TOP	1125	
1000	1151	.026
2000	1179	.028
2500	1193	.028
2900	1205	.030
2920 (MID-PERF.)	1206	.050
2950	1207	.033

### REMARKS:

1. AMERADA INSTRUMENT #44999, 2500 PSI, 24 HR. CLOCK.
2. TEMP. AT 2950', 88°F.

TIME (HOURS)

JOHN P. LOCKRIDGE OPERATOR, INC.  
HORSESHOE BEND FED. #14-35  
11 HR. BHP BUILDUP SURVEY  
OCT. 2/3, 1984



PRESSURE (PSI)

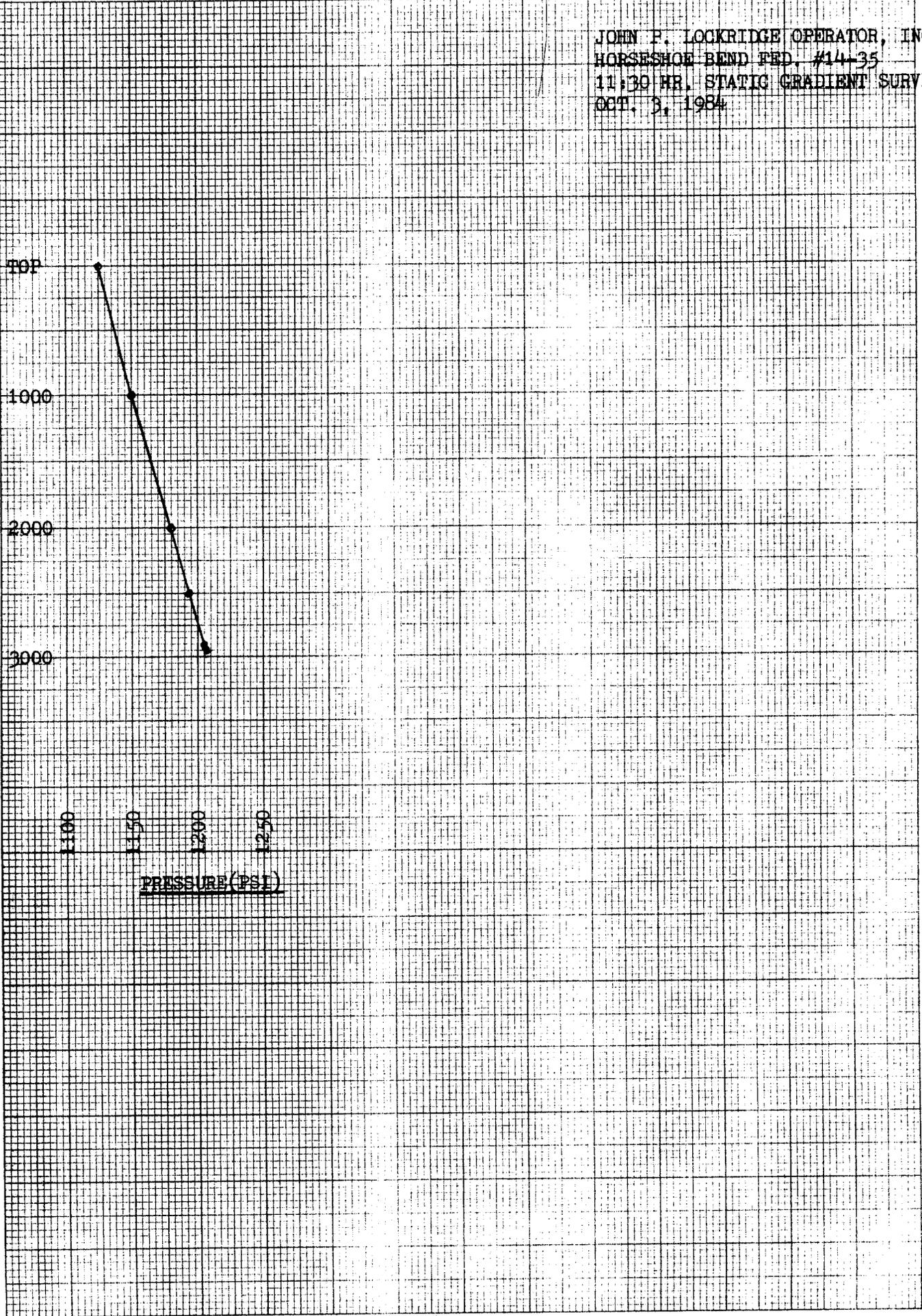
JOHN F. LOCKRIDGE OPERATOR, INC.  
HORSESHOE BEND FED. #14-35  
11:30 HR. STATIC GRADIENT SURVEY  
OCT. 3, 1984

DEPTH (FEET)

TOP  
1000  
2000  
3000

1100  
1150  
1200  
1250

PRESSURE (PSI)



46 1323

K-E 10 X 10 TO 1/2 INCH 7 X 10 INCHES  
KEUFFEL & ESSER CO. MADE IN U.S.A.

# Sun Oilfield Service, Inc.

## SUB-SURFACE SURVEY

Company JOHN P. LOCKRIDGE OPER., INC. Field HORSESHOE BEND Lease and Well HORSESHOE BEND FED. #14-

County UINTAH State UTAH Date SEPT. 30/OCT. 1, 1984

T. D. B.P. 3100' Formation .....

Elevation ..... 5'KB Casing .....

Perforation ..... 3048'-3058' Tubing PKR. 3012'

Datum Point 3053' (MID-PERF.)

### 15 HR. BHP BUILDUP SURVEY

<u>TIME(HOURS)</u>	<u>PRESSURE(PSI)</u>	
TOP(IN)	425	-- WELL SHUT IN AT 4PM, 9-30-84.
0:00	489	-- BOMB ON BOTTOM AT 4:30PM, 9-30-84.
0:05	504	
0:10	517	
0:15	531	
0:20	541	
0:25	551	
0:30	560	
0:35	569	
0:40	576	
0:45	584	
0:50	590	
0:55	596	
1:00	603	
1:15	620	
1:30	637	
1:45	652	
2:00	664	
2:15	676	
2:30	687	
2:45	697	
3:00	707	
3:15	717	
3:30	725	
3:45	733	
4:00	740	
4:15	745	
4:30	753	
4:45	759	
5:00	765	
5:15	770	
5:30	775	
5:45	780	
6:00	786	
6:15	789	
6:30	793	
6:45	798	
7:00	802	
8:00	815	
9:00	826	

CONTINUED ON PG. 2.

# Sun Oilfield Service, Inc.

## SUB-SURFACE SURVEY

Company JOHN P. LOCKRIDGE OPER., INC. Field HORSESHOE BEND Lease and Well HORSESHOE BEND FED. #14-

County UINTAH State UTAH Date SEPT. 30/OCT. 1, 1984

T. D. .... Formation .....

Elevation ..... Casing .....

Perforation ..... Tubing .....

Datum Point 3053'

### 15 HR. BHP BUILDUP SURVEY (CONT.)

<u>TIME (HOURS)</u>	<u>PRESSURE (PSI)</u>
10:00	836
11:00	845
12:00	854
13:00	861
14:00	870
14:30	876 -- BOMB OFF BOTTOM AT 7AM, 10-1-84.

### 15 HR. BHP STATIC GRADIENT SURVEY

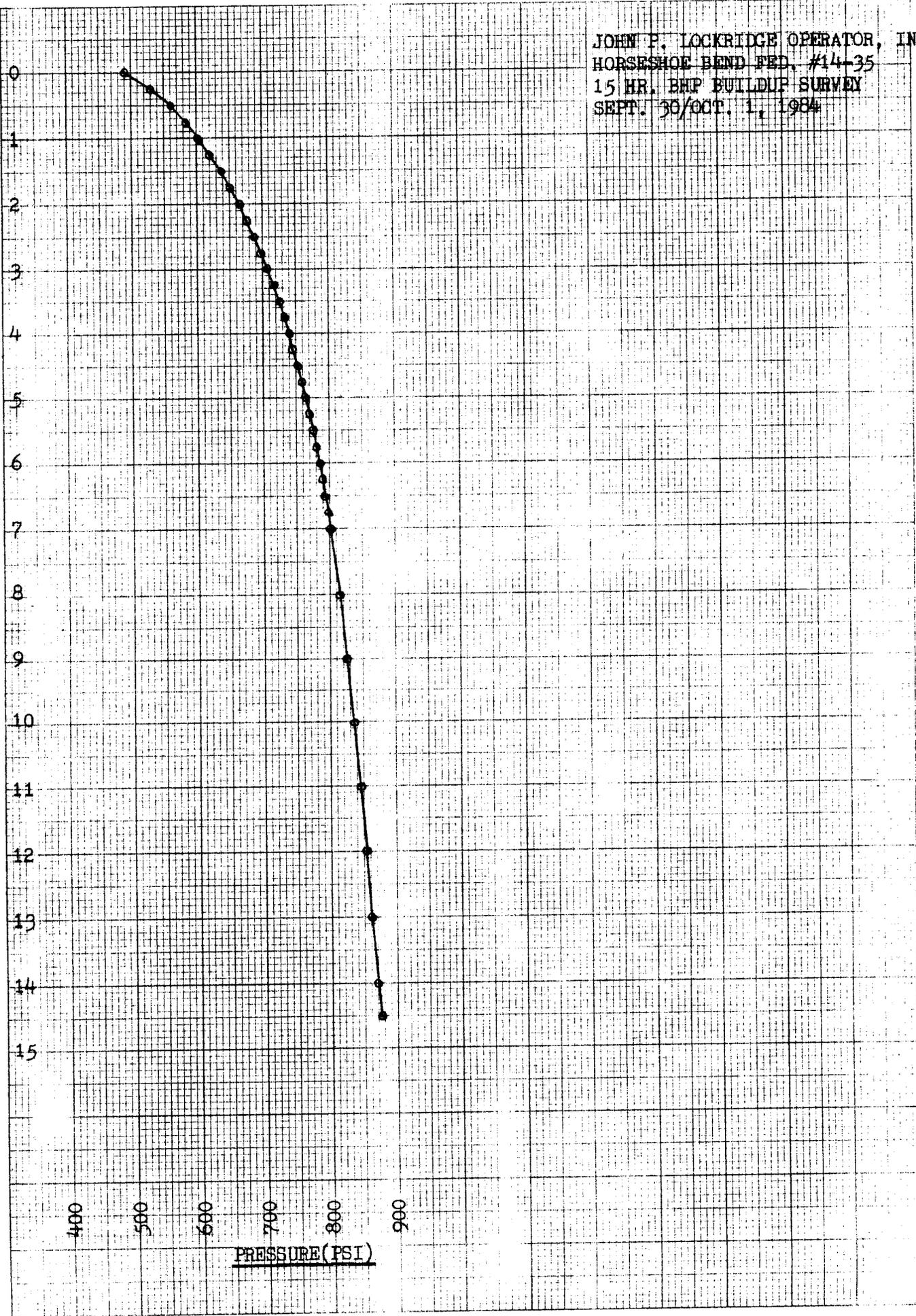
<u>DEPTH (FEET)</u>	<u>PRESSURE (PSI)</u>	<u>GRADIENT (#/FT.)</u>
TOP	820	
1000	839	.019
2000	856	.017
2500	865	.018
2950	871	.013
3053 (MID-PERF.)	876	.049

### REMARKS:

1. AMERADA INSTRUMENT #44999, 2500 PSI, 24 HR. CLOCK.
2. TEMP. AT 3053', 88°F.

JOHN P. LOCKRIDGE OPERATOR, INC.  
HORSESHOE BEND FED. #14-35  
15 HR. BHP BUILDUP SURVEY  
SEPT. 30/OCT. 1, 1984

TIME (HOURS)



PRESSURE (PSI)

46 1323

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

JOHN F. LOCKRIDGE OPERATOR, INC.  
HORSESHOE BEND FED. #14-35  
15 HR. STATIC GRADIENT SURVEY  
OCT. 1, 1984

46 1323

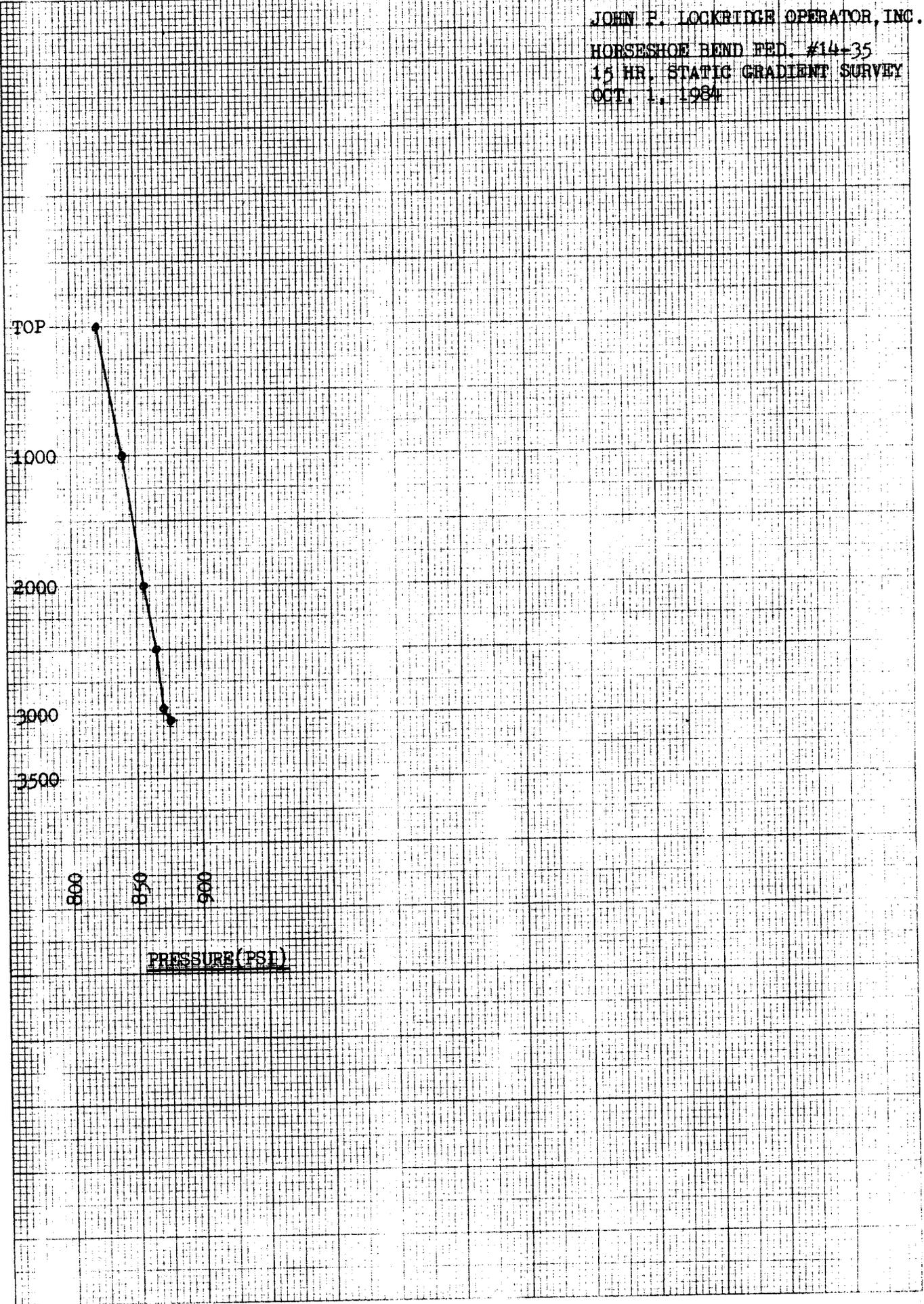
DEPTH (FEET)

TOP  
1000  
2000  
3000  
3500

800  
850  
900

PRESSURE (PSI)

K&E 10 X 10 TO 1/2 INCH 7 X 10 INCHES  
KEUFFEL & ESSER CO. MADE IN U.S.A.



# Sun Oilfield Service, Inc.

## SUB-SURFACE SURVEY

Company JOHN P. LOCKRIDGE OPER., INC Field HORSESHOE BEND Lease and Well HORSESHOE BEND FED. #14-1

County UINTAH State UTAH Date SEPT. 28/29, 1984

T. D. PBTD 3340' Formation UINTAH

Elevation 5'KB Casing 4 $\frac{1}{2}$  10.5LB

Perforation 3116'-3126' Tubing PKR. 3073'

Datum Point 3121' (MID-PERF.)

### 13:30 HR. BHP BUILDUP SURVEY

<u>TIME (HOURS)</u>	<u>PRESSURE (PSI)</u>	
TOP (IN)	492	-- WELL SHUT IN AT 5:30PM, 9-28-84.
0:00	601	-- BOMB ON BOTTOM AT 6PM, 9-28-84.
0:05	620	
0:10	638	
0:15	654	
0:20	667	
0:25	682	
0:30	693	
0:35	705	
0:40	715	
0:45	724	
0:50	733	
0:55	740	
1:00	748	
1:15	772	
1:30	796	
1:45	813	
2:00	828	
2:15	842	
2:30	856	
2:45	869	
3:00	881	
3:15	891	
3:30	900	
3:45	910	
4:00	919	
4:15	927	
4:30	934	
4:45	942	
5:00	948	
5:15	955	
5:30	960	
5:45	966	
6:00	971	
6:15	976	
6:30	980	
6:45	984	
7:00	989	
8:00	1002	
9:00	1014	

CONTINUED ON PG. 2.

# Sun Oilfield Service, Inc.

## SUB-SURFACE SURVEY

Company JOHN P. LOCKRIDGE OPER., INC Field HORSESHOE BEND Lease and Well HORSESHOE BEND FED. #14-3  
 County UINTAH State UTAH Date SEPT. 28/29, 1984

T. D. .... Formation .....

Elevation ..... Casing .....

Perforation ..... Tubing .....

Datum Point 3121' (MID-PERF.)

### 13:30 HR. BHP BUILDUP SURVEY (CONT.)

<u>TIME (HOURS)</u>	<u>PRESSURE (PSI)</u>
10:00	1023
11:00	1029
12:00	1036
13:00	1044 -- BOMB OFF BOTTOM AT 7AM, 9-29-84.

### 13:30 HR. STATIC GRADIENT SURVEY

<u>DEPTH (FEET)</u>	<u>PRESSURE (PSI)</u>	<u>GRADIENT (#/FT.)</u>
TOP	973	
1000	999	.026
2000	1021	.022
2500	1033	.024
3000	1042	.018
3121	1044	.017

### REMARKS:

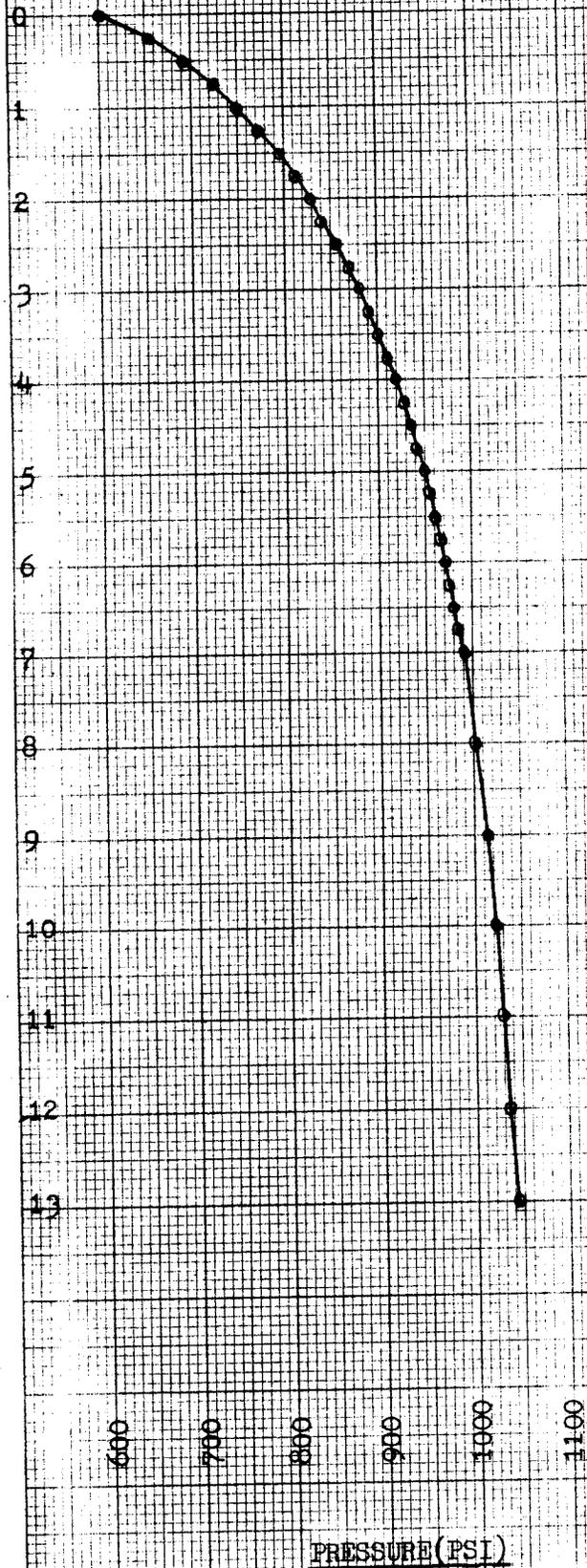
1. AMERADA INSTRUMENT #44999, 2500 PSI, 24 HR. CLOCK.
2. TEMPERATURE AT 3121', 88°F.

46 1323

K&L KEUFFEL & ESSER CO. MADE IN U.S.A.

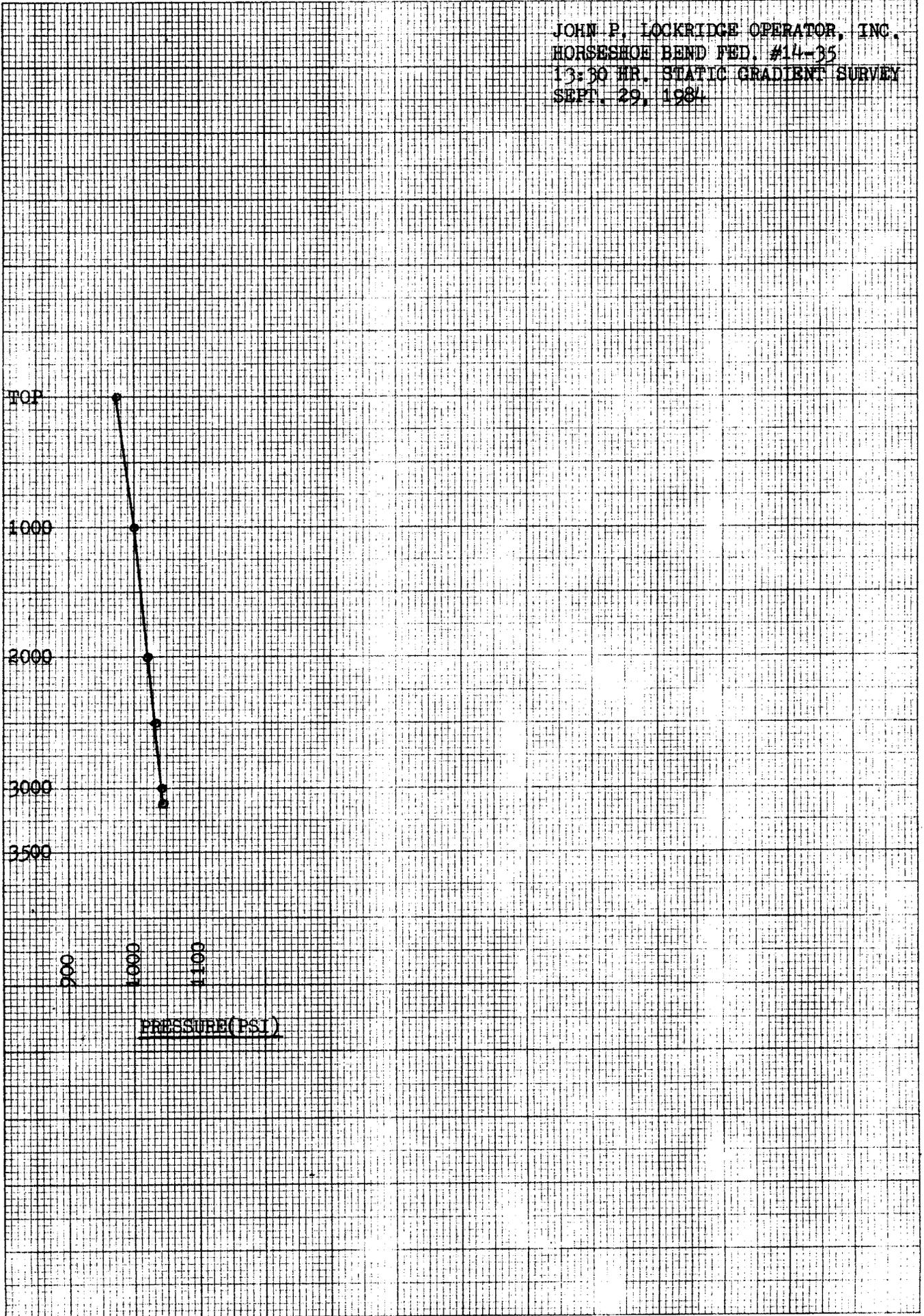
TIME (HOURS)

JOHN P. LOCKRIDGE OPERATOR, INC.  
13:30 HR. BHP BUILDUP SURVEY  
HOBSHORN BRAND FED. #14-35  
SEPT. 28/29, 1984



PRESSURE (PSI)

JOHN P. LOCKRIDGE OPERATOR, INC.  
HORSESHOE BEND FED. #14-35  
13:30 HR. STATIC GRADIENT SURVEY  
SEPT. 29, 1984



40 1325

DEPTH (FEET)

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

PRESSURE (PSI)

# JOHN P. LOCKRIDGE OPERATOR, INC.

October 1, 1984

**RECEIVED**

Bureau of Land Management  
170 S. 500 E.  
Vernal, Utah 84078

**OCT 09 1984**

**DIVISION OF OIL  
GAS & MINING**

Re: Sundry Notice  
Perforations  
#14-35 Horseshoe Bend Federal  
Uintah County, Utah

Gentlemen:

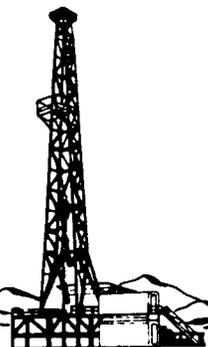
A Sundry Notice for the captioned well is enclosed. Your prompt consideration and approval of this notice will be appreciated.

Yours truly

  
John P. Lockridge

JPL/sl

cc: Norm Stout  
Utah Department of Natural Resources ✓



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  gas well  other

2. NAME OF OPERATOR  
John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR 80202  
1444 Wazee Street, Suite 218, Denver, Co.

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
SW SW Section 35-T6S-R22E  
AT SURFACE:  
AT TOP PROD. INTERVAL:  
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input checked="" type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) _____	

5. LEASE  
U-48356

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

7. UNIT AGREEMENT NAME  
-----

8. FARM OR LEASE NAME  
Horseshoe Bend Federal

9. WELL NO.  
14-35

10. FIELD OR WILDCAT NAME

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
35-T6S-R22E

12. COUNTY OR PARISH | 13. STATE  
Utah | Utah

14. API NO.  
43-047-31426

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5074' Gr.

(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.)\*

foot from: 2914' to 2920'  
2889' to 2892'  
2870' to 2872'

Treat each zone with 200 to 500 gallons 5 to 10% MCA.

Perforate with 2 shots per

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct  
SIGNED John P. Lockridge TITLE President, John P. Lockridge Operator, Inc. DATE 10/1/84  
(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

# JOHN P. LOCKRIDGE OPERATOR, INC.

October 18, 1984

Bureau of Land Management  
170 S. 500 E.  
Vernal, Utah 84078

Re: Well Completion Report  
#14-35 Horseshoe Bend Federal  
Uintah County, Utah

**RECEIVED**

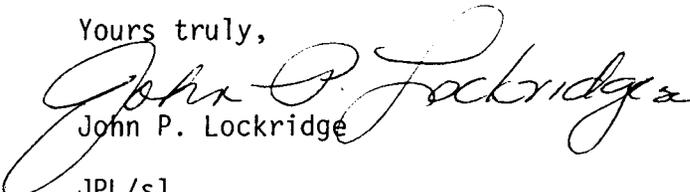
**OCT 22 1984**

**DIVISION OF OIL  
GAS & MINING**

Gentlemen:

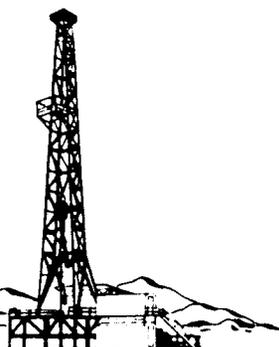
Three copies of the Well Completion Report (Form 9-330), a Welex Induction log, Daily Report Record, BHP Surveys, and DST #1 and #2 are enclosed. Your prompt consideration and approval of this notice will be appreciated.

Yours truly,

  
John P. Lockridge

JPL/s1

cc: Norm Stout  
Utah Department of Natural Resources



**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

13

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER  **OCT 22 1984**

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  **DIVISION OF OIL & MINING**

2. NAME OF OPERATOR  
**John P. Lockridge Operator, Inc.**

3. ADDRESS OF OPERATOR  
**1444 Wazee Street, Suite 218, Denver, Colorado 80202**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **SW SW Section 35-T6S-R22E 640' FSL**  
At top prod. interval reported below **669' FWL**  
At total depth

14. PERMIT NO. **43-047-31426** DATE ISSUED **8/23/84**

5. LEASE DESIGNATION AND SERIAL NO.

**4-48356**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

**Horseshoe Bend Federal**

9. WELL NO.

**14-35**

10. FIELD AND POOL, OR WILDCAT

**Wildcat**

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

**35-T6S-R22E**

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

15. DATE SPUNDED **8/30/84** 16. DATE T.D. REACHED **9/20/84** 17. DATE COMPL. (Ready to prod.) **10/10/84** 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* **5074' Gr., 5079' KB** 19. ELEV. CASINGHEAD **5076'**

20. TOTAL DEPTH, MD & TVD **3400'** 21. PLUG, BACK T.D., MD & TVD **3330'** 22. IF MULTIPLE COMPL., HOW MANY\* **----** 23. INTERVALS DRILLED BY **----** ROTARY TOOLS **A11** CABLE TOOLS **----**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**Uintah 2870-2892 2914-2920 3116-3126**  
**2889-2892 3048-3058** or **2870-3126 gross**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**Welex Induction with Gamma Ray**

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
8 5/8"	24#	221'	12 1/4"	100 with good returns	-
4 1/2"	10.5	3381'	6 3/4"	225 with good returns	-

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	2848'	None

31. PERFORATION RECORD (Interval, size and number)

2870-2872 with 2 shots per foot  
2889-2892 with 2 shots per foot  
2914-2920 with 2 shots per foot  
3048-3058 with 2 shots per foot  
3116-3126 with 2 shots per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3116-3126	500 gals. 7 1/2% HCl
2914-2920	300 gals. 7 1/2% HCl
2889-2892	250 gals. 7 1/2% HCl
2870-2872	250 gals. 7 1/2% HCl

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
Shut-In	Flowing	Shut-in					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/12/84	6 1/4	18/64	→		825		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
400	460	→		825			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Vented** TEST WITNESSED BY **D.D. Grimlie**

35. LIST OF ATTACHMENTS  
**Welex Induction log, daily report record, BHP surveys, DST #1 & #2**

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED **John P. Lockridge** TITLE **Operator, Inc.** DATE **10/17/84**

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

# INSTRUCTIONS

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

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

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

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

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

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

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Uintah	2850	3200	Stringers (2' to 10' of poorly consolidated, fine grained sandstone with gas shows on mud log. Failed: could not get to bottom Failed: could not get to bottom	Uinta Uinta "B" marker	surface 2835		

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

38. GEOLOGIC MARKERS

W

Report Date	Activity
10/10/84	SITP - 0. Retrieve BP. Go in hole w 2 3/8" tbg. to 2848'. Swab 48.5 bbls load water in 17 runs. Flow well through 35/64" choke, 40# FTP. Flowing gas and load water, recovered 4 bbls load water. Shut well in for 1 hour. SITP 680# at end of 1 hour. Open well through 32/64" choke, 140# FTP, 120# CP. Flow well through orifice tester, 18/64" choke, 390# FTP, 350# CP, flow rate 594 MCF/D; increasing, not stabilized. Shut well in. SITP 1010#, SICP 990#.
10/11/84	SITP 1090#, SICP 1060#. Shut in, waiting on flow testing.
10/12/84	SITP 1090#, SICP 1060#. Opened well at 3:00 pm thru 24/64" choke and flowed to clean up. Tested well from 5:00 pm to 9:15 pm. Stabilized at 825 MCF/D thru 18/64" choke, 400# FTP. 460# FCP. Shut-in at 9:15 pm, 10/11/84
10/13/84	18/64" choke, 400# FTP, 825 MCF/D
10/14/84	Shut In
10/15/84	Shut In

Report Date	Activity
9/22/84	T.D. 3400'. Ran 82 joints, 4½", 10.5#, K55 casing. Set at 3381' KB, cemented with 225 sacks. PBTB 3340'.
9/23/84	PBTB 3340'. Removed BOP and released rig. Waiting on completion rig.
9/24/84	Waiting on completion rig.
9/25/84	Waiting on completion rig.
9/26/84	Preparing site for completion rig. Ran cement bond log and gamma ray correlation log. Top of cement at 2354'. PBTB 3334'. Cement bond 95 - 100% overall, except from 2790' to 2840', which averaged 60%.
9/27/84	MICT. Swab to 1640'. Perforate 3116 to 3126' with 2 shots per foot. Ran 98 joints, 2 3/8" tubing in hole. Swabbed to approximately 3000' and well started unloading. Set packer at 3073' and shut well in for night.
9/28/84	SITP 950#. Open well and died in about 40 min. Swabbed 2 bbls water, gassing intermittently. Went in hole with sinker bar and slick line to 3340' PBTB. No fill-up. Swabbed with no recovery. Well started blowing gas. Stabilized at 275 MCF/D, 18/64" choke, 100 psi FTP. Shut in for night.
9/29/84	SITP 1050 psi. Bled off well. Acidized with 500 gals, 7½% HCL, 35 - 7/8" ball sealers and flushed with 13 bbls 2% KCL water. Swabbed to 1600', and well started flowing gas. Stabilized at 420 MCF/D, 18/64" choke, 165 psi FTP. SWI. Put BHP bomb in well.
9/30/84	SITP 980 psi. BHP 1050. Perforated 3048-3058 with 2 shots per foot. Set BP at 3100', set packer at 3012'. Swabbed 5 runs and well started flowing gas. Gauged 325 MCF/D, 18/64" choke, 140 psi FTP. Shut well in for night.
10/1/84	SITP 920#. Flowed well 9½ hours. Stabilized at 344 MCF/D, 18/64" choke, 135 # FTP. Put in BHP bomb. Shut well in for night.
10/2/84	SITP 850#. BHSIP (3048-3058) 878# in 14½ hrs. Bled off well and caught water sample. Water sample (3048-3058): ph 6.5, 48,850 ppm chlorides, resistivity .25 ohms at 60° F. Killed well. Moved BP from 3100' to 3012'. Perforated from 2914' to 2920', with 2 shots per foot. Go in hole with 2 3/8" tubing, set packer at 2887'. Made 2 swab runs, well started flowing. Flowed estimated 350 MCF/D with slight mist. Shut-in at 5:30 PM.
10/3/84	SITP 800# (2914-2920). Flowed 370 MCF/D, 18/64" choke, 130# FTP. Acidized 2914'-2920' with 300 gallons 7½% HCL, with 18 7/8" ball sealers. Swabbed 2 runs and well started flowing. Flowed 594 MCF/D, 18/64" choke, 285# FTP. Ran BHP bomb. Shut well in for night.
10/4/84	10/3/84, 7:00 AM, SITP 1130#, BHSIP 1206#, no water. SITP 1130# (2914-2920). Bleed off well. Killed well. Moved BP from 3012' to 2910'. Perforated from 2892' to 2895' with 2 jet shots per foot. Go in hole with 2 3/8" tubing, set packer at 2855'. Made 2 swab runs, well started flowing. Stabilized at 617 MCF/D, 18/64" choke, FTP 325# to 440#. Shut in at 11:00 p.m.
10/5/84	SITP 895# (2889-2892) ') Acidized from 2889 to 2892' with 250 gal. 7½% HCL and 10 - 7/8" ball sealers. Well started gassing after return of 11 bbls load water. Flowed well thru orifice tester, 18/64" choke, 480# FTP, 639 MCF/D. Put in BHP bomb. Shut well in for night.
10/6/84	SITP 1080# (2889-2892') Bleed off well. Killed well. Moved BP from 2910' to 2885'. Perforated from 2870 to 2872' with 2 jet shots per foot. Go in hole with 2 3/8" tubing, set packer at 2824'. Made 4 swab runs, well started gassing slightly. Shut well in for 1 hour, after 1 hour SITP 250#. Opened well thru 12/64" choke, FTP 20#. MCF to small to measure. Shut well in for night.
10/7/84	925# SITP (2870-2872) Acidized from 2870 to 2872' with 250 bbls, 7½% HCL and 7 7/8" ball sealers. Made 1 swab run, well started flowing. Flowed well through orifice tester, 18/64" choke, 295# FTP, 639 MCF/D. Put in BHP bomb. Shut well in for night.
10/8/84	Shut in for BHP survey.
10/9/84	SITP 1060#. Bleed pressure from well through 12/64" choke, 250# FTP. Kill well, release packer. Discovered brige plug had move down hole 33'. Pulled up to 2819' and set at 2819'. Removed BOP. Weld on new bell nipple. Nipple up 6" 3000# flange. Go in hole with BP retrieving head and 84 joints, 2 3/8" tubing. Shut well in, shut down for night.

DAILY REPORT

Lockridge et al #14-35 Horseshoe Bend Federal

Location: SW SW Section 35-T6S-R22E

Uintah County, Utah

Elevation: 5074' Gr.

Contractor: Western Well Drilling, Rig #3

Report Date	Activity
8/30/84	Moved in, rigged up Western Well Drilling Rig #3. Spud at 1:30 am, 8/30/84. Drilling 12¼" surface hole at 67'.
8/31/84	WOC and nipping up BOP. Depth of 228'. 8/30/84 - Ran 6 joints of 8 5/8", 8 rd, 24# STC casing. set at 221' Gr. Cemented surface casing with 100 sacks, Type H with 2% KCL. Plug down at 8:15 PM, 8/30/84.
9/1/84	Completed digging cellar and installing and testing 6" X 3000 psi BOP system. Drilled out at 2:15 AM. Drilling 6 3/4" hole at 428'.
9/2/84	Drilled to 788'. Trip for bit #2. Transfer case out on rig. Should be back drilling this evening.
9/3/84	Drilled to 1048' in 9½ hours after completing repair of transfer case. Mud loggers on location and will start at 1200'.
9/4/84	Drilling at 1688'.
9/5/84	Drilling at 2146'.
9/6/84	Rig repair, chain on draw works. Drilled to 2337' in Uinta formation. No shows.
9/7/84	Drilling at 2494'.
9/8/84	Drilling at 2708'.
9/9/84	Drilling at 2924'. Minor drilling breaks and gas shows in Uinta sands.
9/10/84	Rig repairs (transfer case). Drilling break from 2918 to 2931 (13') with 60 unit gas increase. Plan to condition hole and run DST on Tuesday following rig repair. 2952'.
9/11/84	Shut down. Waiting on rig repair. Depth of 2952'.
9/12/84	Shut down. Waiting on rig repair. Depth of 2952'.
9/13/84	Shut down. Waiting on rig repair. Depth of 2952'.
9/14/84	Tripping in hole. Washing and reaming at 2360'.
9/15/84	Drilling at 2986'
9/16/84	Depth of 3080'. Trip out of hole for DST #1. Drilling break #9 from 3053' - 3060'. Drilling rate 7.5 - 2.5 - 7.5 Gas Units 2 - 55 - 5
	Lithology: 100% S.S. - clear frosted, fined grained to medium grained, sub-sub-round, friable, limey, predominantly unconsolidated.
9/17/84	Washing and reaming to 3080'. Could not get below bridge at 2955' on DST #1.
9/18/84	Depth of 3080'. Going in hole with DST #2 to test 3054' - 3080'.
9/19/84	Drilling at 3213'. DST #2 failed, hit bridge at approximately 2960'. Drilling break and gas show #10 from 3120' - 3127' Drilling rate 2 - 1 - 1 Gas Units 3 - 100 - 5
	Lithology: 80% S.S., clear, unconsolidated, friable, cemented, round, sub-round, limey.
9/20/84	Drilled to T.D. of 3400'. Drilling break #11 from 3322' - 3330'. Drilling rate 3.5 - 2.5 - 3.5 Gas Units 5 - 25 - 5
	Lithology: S.S., clear, frosted, very fine grained to fine grained, friable, tight, limey cemented.
	Drilling Break #12 from 3368' - 3396' Drilling rate 4.5 - 1.0 - 4.0 Gas units 5 - 10 - 5
	Lithology: S.S., white, smokey, frosted, very fine grained to fine grained, sub round, limey, cemented.
	Went in with logging tool, hit bridge at 3296'. Tripping in to clean out bridge. Should log this afternoon.
9/21/84	Ran Welex DIL. Preparing to run Welex Density log when logging tool was lost in hole. Fished for and recovered tool. Did not run density log. Conditioning hole and preparing to run 4½" production casing.

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**RECEIVED**  
APR 26 1990

DIVISION OF  
OIL, GAS & MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		3. LEASE DESIGNATION & SERIAL NO. U-48356	
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		5. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 1801 Broadway, Denver, CO 80202		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SW SW 35-T6S-R22E 640 FSL & 669 FWL At proposed prod. zone		8. FARM OR LEASE NAME Horseshoe Bend Federal	
14. API NO. 43-047-31426		9. WELL NO. 14-35	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5074' GL, 5079' KB		10. FIELD AND POOL, OR WILDCAT Horseshoe Bend	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 35-T6S-R22E	
		12. COUNTY Uintah	13. STATE Utah

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

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

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

Annual notice of shut-in gas well

\* Must be accompanied by a cement verification report.

OIL AND GAS	
DN	RJF
JRB	GLH
DYS	SLS
1-TAS	
2-	MICROFILM ✓
3-	FILE

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

SIGNED John P. Lockridge President DATE 4/22/90

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

RECEIVED  
JUN 15 1990

EASE DESIGNATION & SERIAL NO  
U-48356

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.)

DIVISION OF  
OIL GAS & MINING

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		8. FARM OR LEASE NAME Horseshoe Bend Federal	
3. ADDRESS OF OPERATOR 1801 Broadway, Denver, CO 80202		9. WELL NO. 14-35	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SW SW 35-T6S-R22E 640 FSL & 669 FWL At proposed prod. cone		10. FIELD AND POOL, OR WILDCAT Horseshoe Bend	
14. APL NO. 43-047-31426		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 35-T6S-R22E	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5074' GL, 5079' KB		12. COUNTY Uintah	13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/> (Other)	CHANGE PLANS <input type="checkbox"/>	(Other) <u>Shut-in gas well</u> <input type="checkbox"/>	
APPROX. DATE WORK WILL START _____		DATE OF COMPLETION _____	

(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.)

Annual notice of shut-in gas well \* Must be accompanied by a cement verification report.

OIL AND GAS	
DRN	RJF
JRB	GLH
DTS	SLS
1-DINEV ✓	
2- MICROFILM ✓	
3- FILE	

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

SIGNED John P. Lockridge TITLE President DATE 6/13/90

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

John P Lockridge.  
COMPANY

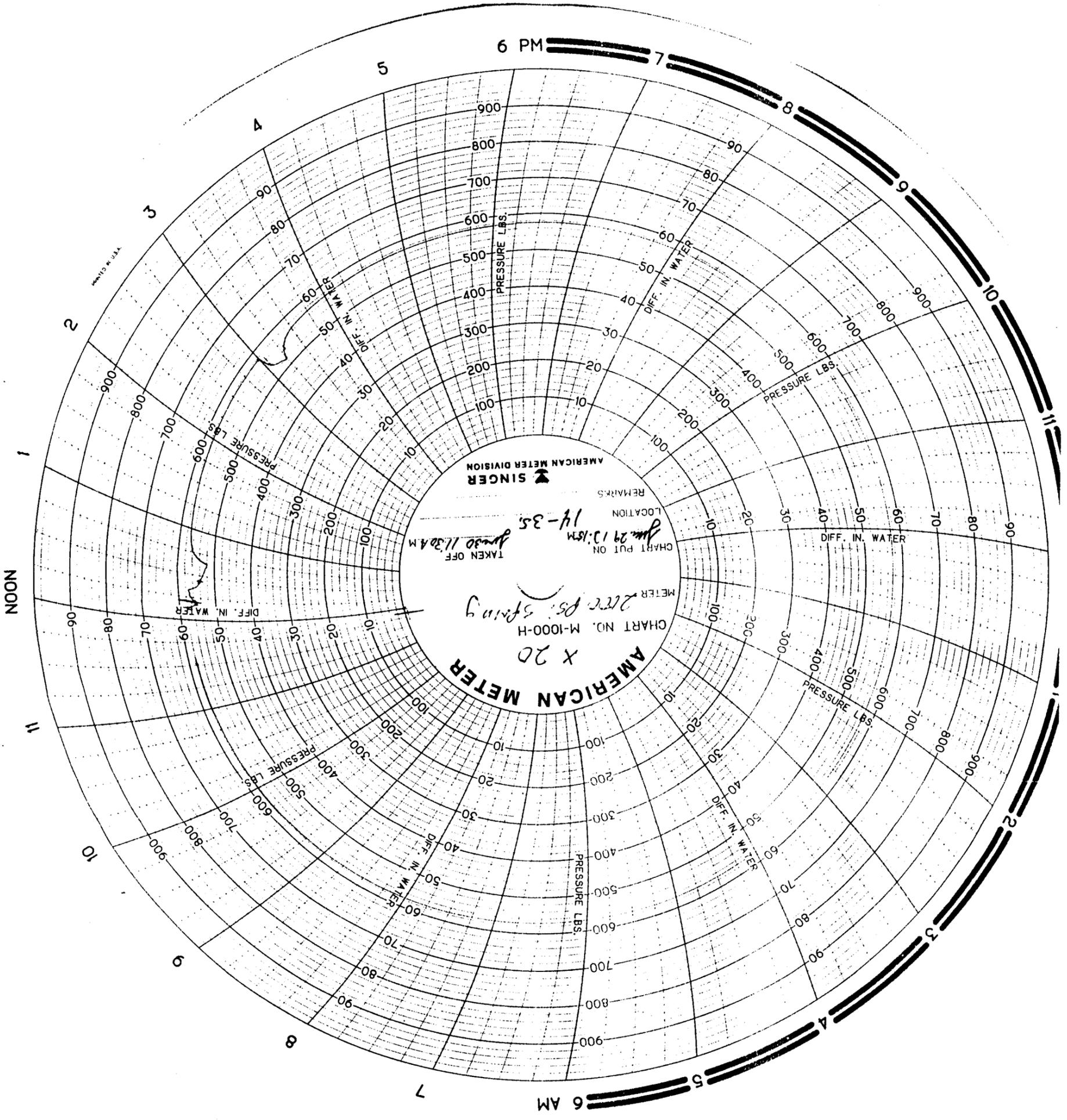


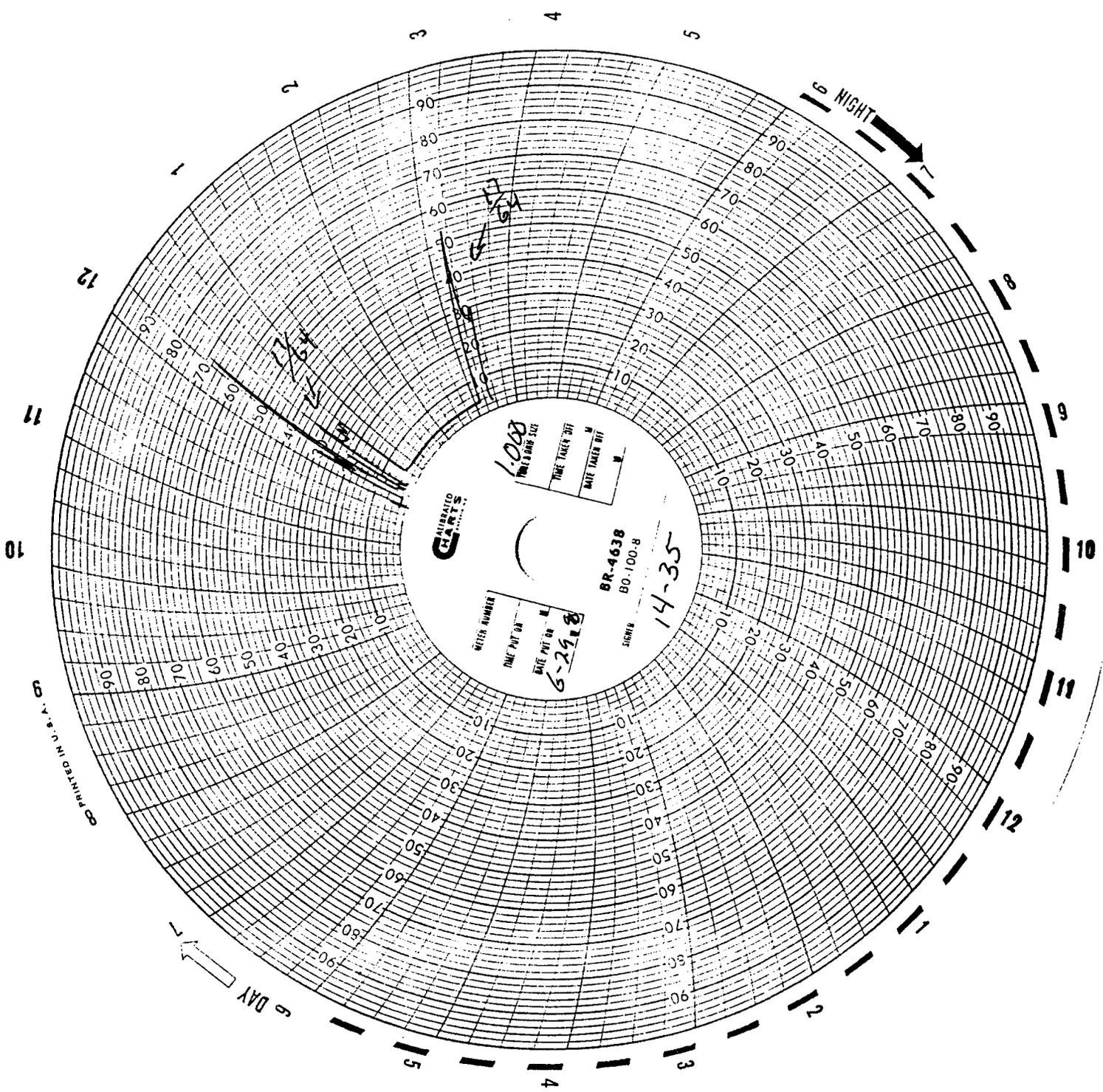
14-35

LEASE

COUNTY, STATE

METER		ORIFICE				SPRING		COEF.			DATE
		1.000				100 Ps.					June 29-90
TIME	CHOKE	T.P.	C.P.	STADIC	DIFF.	MCFD	OIL METER	BBL OIL	WATER METER	BBL WATER	REMARKS
12:00		1160	1175								
12:30	17/64								Open up.		
1:00	17/64	1040	1100	Average 25		840.			shut in.		(30 min)
3:20	17/64	1160	1190						Open up.		
3:35	17/64	1040	1100	Average 32		994			shut in.		(15 min)
Built Back up to 1160 By 11:00 AM next day.											
Differential Between tubing & casing minimal, do not appear to be much water											





CALIBRATED  
CLARK'S

1.000  
TIME TAKEN OFF  
DATE TAKEN OFF

6-24-8  
TIME PUT ON  
DATE PUT ON

BR-4638  
DO-100-8

14-35

NIGHT

DAY

REGISTER IN U.S.A. 9

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

RECEIVED  
JUN 15 1990

3. LEASE DESIGNATION & SERIAL NO. U-48356	
4. SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)	
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.	8. FARM OR LEASE NAME Horseshoe Bend Federal
3. ADDRESS OF OPERATOR 1801 Broadway, Denver, CO 80202	9. WELL NO. 14-35
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SW SW 35-T6S-R22E 640 FSL & 669 FWL At proposed prod. zone	10. FIELD AND POOL, OR WILDCAT Horseshoe Bend
	11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA 35-T6S-R22E
14. API NO. 43-047-31426	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5074' GL, 5079' KB
	12. COUNTY Uintah
	13. STATE Utah

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
(Other) Testing		DATE OF COMPLETION _____	
APPROX. DATE WORK WILL START 6/28/90			

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

\* Must be accompanied by a cement verification report.

This well has been shut-in for lack market since the completion of the well in 1984.

We are currently negotiating for the sale of gas from the well and plan to run a flow test of less than four hours on June 28 or 29, 1990.

The gas will flow through a 2" line to the pit area and be gauged with an orifice meter.

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

SIGNED John P. Lockridge TITLE President DATE 6/13/90

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

3. LEASE DESIGNATION & SERIAL NO.  
U-48356

SUNDRY NOTICES AND REPORTS ON  
(Do not use this form for proposals to drill or to deepen or plug back to  
Use "APPLICATION FOR PERMIT—" for such proposals.)

**RECEIVED**  
JUL 30 1990

INDIAN ALLOTTEE OR TRIBE NAME

4. AGREEMENT NAME

1. OIL WELL  GAS WELL  OTHER

2. NAME OF OPERATOR John P. Lockridge Operator, Inc.

3. ADDRESS OF OPERATOR 1801 Broadway, Denver, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)  
At surface SW SW 35-T6S-R22E 640 FSL & 669 FWL  
At proposed prod. zone

6. FARM OR LEASE NAME Horseshoe Bend Federal

WELL NO. 14-35

10. FIELD AND POOL, OR WILDCAT Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 35-T6S-R22E

14. API NO. 43-047-31426

15. ELEVATIONS (Show whether DF, RT, GR, etc.)  
5074' GL, 5079' KB

12. COUNTY Uintah

13. STATE Utah

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NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF  FULL OR ALTER CASING   
FRACTURE TREAT  MULTIPLE COMPLETE   
SHOOT OR ACIDIZE  ABANDON   
REPAIR WELL  CHANGE PLANS   
(Other)

WATER SHUT-OFF  REPAIRING WELL   
FRACTURE TREATMENT  ALTERING CASING   
SHOOTING OR ACIDIZING  ABANDONMENT\*   
(Other) Shut-in gas well test  
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

APPROX. DATE WORK WILL START \_\_\_\_\_

DATE OF COMPLETION test: 6/30/90

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

\* Must be accompanied by a cement verification report.

This well was tested at a maximum rate of 994 MCF/D during a 45 minute total open period on 6/30/90.

A test report is attached.

OIL AND GAS	
DFN	RJF
JPB	GLH
DIS	SLS
1 DME	
2 MICROFILM	
3 FILE	

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

SIGNED \_\_\_\_\_ TITLE President DATE 7/26/90

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

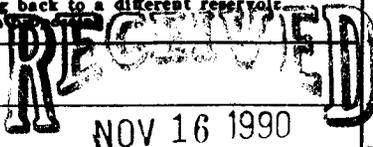
UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

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 purposes.)



1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-48356
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1801 Broadway, Suite 550, Denver, CO 80202		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface SW SW Section 35-T6S-R22E		8. FARM OR LEASE NAME Horseshoe Bend Federal
14. PERMIT NO. 43-047-31426		9. WELL NO. 14-35
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5074' GR, 5079' KB		10. FIELD AND POOL, OR WILDCAT
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 35-T6S-R22E
		12. COUNTY OR PARISH   13. STATE

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

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

(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.)

Notice of Production

First Production: November 2, 1990.

The initial production was used to pressure test the newly constructed gas transportation line. Following the pressure test, gas production was recommenced on November 5, 1990.

Gas sold to IGI Resources, Inc.

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

SIGNED \_\_\_\_\_ TITLE President DATE 11/13/90

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

**JOHN P. LOCKRIDGE**  
PETROLEUM GEOLOGIST

**RECEIVED**  
NOV 16 1990

November 13, 1990

Bureau of Land Management  
170 S. 500 East  
Vernal, UT 84078

DIVISION OF  
OIL, GAS & MINING

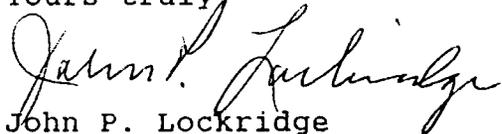
Re: Sundry Notice  
First Production  
#14-35 Horseshoe Bend Federal  
Uintah County, Utah

Gentlemen:

Enclosed please find a Sundry Notice (in Triplicate) reporting first production on the captioned well.

Your prompt consideration and approval of this Sundry Notice will be appreciated.

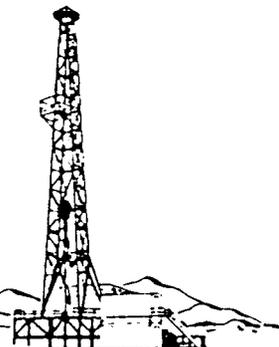
Yours truly

  
John P. Lockridge

enclosure

cc: State of Utah  
Division of Oil, Gas and Mining  
Prima Energy Corporation  
Calais Resources, Inc.  
TBN Exploration Inc.  
S.A. Chorney  
Cardo Company  
Mercer Group

c:\wp\hsbsund2

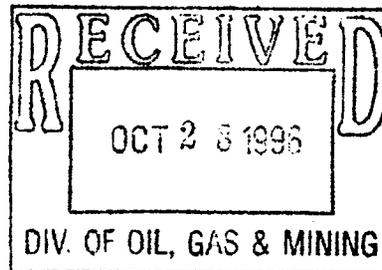


# Priority Oil & Gas LLC

633 17th St., Suite 1520, Denver, CO 80202

Phone (303) 296-3435 Fax (303) 296-3436

October 25, 1996



State of Utah  
Department of Natural Resources  
Division of Oil, Gas and Mining  
1594 W. North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Re: Federal Lease: U-57647  
Wells: Horseshoe Bend Federal 14-25 and 14-35  
Activity: Change of Operator and installation of Intermitters

Dear Division of Oil, Gas and Mining:

Enclosed are Federal Sundry Notices and Reports on Wells reporting:

Change of Operator for Horseshoe Bend Federal 14-25  
Change of Operator for Horseshoe Bend Federal 14-35  
Installation of Intermittter for Horseshoe Bend Federal 14-25  
Installation of Intermittter for Horseshoe Bend Federal 14-35

Sincerely,

A handwritten signature in cursive script that reads "David A. Jones".

David A. Jones  
Vice President

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
NOV 01 1996

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**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	5. Lease Designation and Serial No. U-57647
2. Name of Operator Priority Oil & Gas LLC	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 633 17th Street, Suite 1520, Denver, CO 80202 (303) 296-3435	7. If Unit or CA, Agreement Designation
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Township 6 South, Range 22 East, SLM Section 35 SW/4 SW/4	8. Well Name and No. Horseshoe Bend Fed. 14-35
	9. API Well No. 43-047-31426
	10. Field and Pool, or Exploratory Area Horseshoe Bend
	11. County or Parish, State Uinta Co., Utah

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

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

NOTICE OF CHANGE OF OPERATOR:

Effective October 1, 1996, 100% of the working interest owners elected Priority Oil & Gas LLC as operator of the above well. Priority Oil & Gas LLC does hereby certify that it is responsible under the terms and conditions of the lease to conduct lease operations.

I certify the foregoing to be true and correct.

VERNAL DIST.	_____
ENG.	_____
GEOL.	_____
E.S.	_____
PET.	_____
A.M.	_____

John P. Lockridge Operator, Inc. (Previous Operator)

By: John P. Lockridge

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

Signed <u>David A. Jones</u>	Title <u>Vice President</u>	Date <u>October 19, 1996</u>
(This space for Federal or State office use)	<u>Assistant Field Manager</u>	
Approved by <u>[Signature]</u>	Title <u>Mineral Resources</u>	Date <u>DEC 20 1996</u>

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

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

5. Lease Designation and Serial Number:

U-57647

6. If Indian, Allocated or Tribe Name:

7. Unit Agreement Name:

8. Well Name and Number:

Horseshoe Bend Fed 14-35

9. API Well Number:

43-047-31426

10. Field and Pool, or Wildcat:

Horseshoe Bend

1. Type of Well: OIL  GAS  OTHER:

2. Name of Operator:

John P. Lockridge Operator, Inc.

3. Address and Telephone Number:

1801 Broadway, Suite 1250, Denver, CO 80202-3840 (303) 296-1500

4. Location of Well

Footages:

Township 6 South, Range 22 East, SLM Section 35 SW/4 SW/4

County: Uintah

State: Utah

QQ, Sec., T., R., M.:

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

NOTICE OF INTENT  
(Submit in Duplicate)

- Abandon
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Multiple Completion
- Other \_\_\_\_\_
- New Construction
- Pull or Alter Casing
- Recomplete
- Reperforate
- Vent or Flare
- Water Shut-Off

Approximate date work will start \_\_\_\_\_

SUBSEQUENT REPORT  
(Submit Original Form Only)

- Abandon \*
- Repair Casing
- Change of Plans
- Convert to Injection
- Fracture Treat or Acidize
- Other Change of Operator
- New Construction
- Pull or Alter Casing
- Reperforate
- Vent or Flare
- Water Shut-Off

Date of work completion \_\_\_\_\_

Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form.

\* Must be accompanied by a cement verification report.

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

NOTICE OF CHANGE OF OPERATOR:

Effective October 1, 1996, 100% OF THE WORKING INTEREST OWNERS ELECTED Priority Oil & Gas LLC as operator of the above well. John P. Lockridge Operator, Inc. is the prior operator and does hereby acknowledge as true and correct the change of operator to Priority Oil & Gas LLC.

RECEIVED  
NOV 12 1996

13.

Name & Signature:

*John P. Lockridge*

Title:

*President*

Date:

*10/23/96*

(This space for State use only)

*Thomas R. Leavitt*

Assistant Field Manager  
Mineral Resources

VERNAL DIST.  
ENG.

GEOL.

E.S.

PET.

A.M.

DEC 20 1996



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (801) 781-4400  
Fax: (801) 781-4410

IN REPLY REFER TO:

3162.3  
UT08300

December 19, 1996

Priority Oil & Gas LLC  
Attn: David A. Jones  
633 17th Street, Suite 1520  
Denver CO 80202

Re: Horseshoe Bend Fed. 14-35  
SWSW, Sec. 35, T6S, R22E  
Lease U-57647  
Uintah County, Utah

Dear Mr. Jones:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Priority Oil & Gas LLC is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1056, for all operations conducted on the referenced well on the leased land.

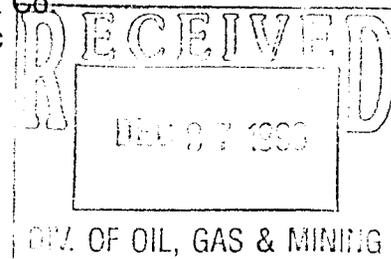
If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (801) 789-1362.

Sincerely,

Howard B. Cleavinger II  
Assistant Field Manager  
Minerals Resources

cc: ~~Division Oil, Gas, & Mining~~  
John P. Lockridge  
Cardo Company  
Prima Oil & Gas Co.

Calais Resources Inc.  
Fedco Management Co.  
TBN Exploration Inc



Routing:	
1-LEC	6-LEC
2-GLH	7-KDR Film
3-DTS	8-SJ
4-VLD	9-FILE
5-RJF	

# OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent
- Designation of Operator             Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 10-1-96

TO: (new operator) PRIORITY OIL & GAS LLC  
 (address) 633 17TH ST STE 1520  
DENVER CO 80202  
DAVID JONES, V.P.  
 Phone: (303)296-3435  
 Account no. N6685 (11-15-96)

FROM: (old operator) LOCKRIDGE, JOHN P  
 (address) 1801 BROADWAY STE 1250  
DENVER CO 80202  
 Phone: (303)296-1500  
 Account no. N9665

WELL(S) attach additional page if needed:

Name:	<u>HORSESHOE BEND 14-25</u>	API:	<u>43-047-31424</u>	Entity:	<u>9961</u>	S	<u>25</u>	T	<u>6S</u>	R	<u>22E</u>	Lease:	<u>U48356</u>
Name:	<u>HORSESHOE BEND 14-35</u>	API:	<u>43-047-31426</u>	Entity:	<u>9670</u>	S	<u>35</u>	T	<u>6S</u>	R	<u>22E</u>	Lease:	<u>U48356</u>
Name:	_____	API:	_____	Entity:	_____	S	_____	T	_____	R	_____	Lease:	_____
Name:	_____	API:	_____	Entity:	_____	S	_____	T	_____	R	_____	Lease:	_____
Name:	_____	API:	_____	Entity:	_____	S	_____	T	_____	R	_____	Lease:	_____
Name:	_____	API:	_____	Entity:	_____	S	_____	T	_____	R	_____	Lease:	_____

## OPERATOR CHANGE DOCUMENTATION

- Yec 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(Rec'd 10-28-96) (Rec'd 11-6-96)*
- Yec 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(Rec'd 10-28-96)*
- Yec 3. The **Department of Commerce** has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? *(yes/no)* no If yes, show company file number: LC016291 (11-6-96)
- Yec 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below.
- Yec 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(12-30-96)*
- Yec 6. Cardex file has been updated for each well listed above. *(12-30-96)*
- Yec 7. Well file labels have been updated for each well listed above. *(12-30-96)*
- Yec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(12-30-96)*
- Yec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- Y 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- N/A 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- Y 2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no)    , as of today's date    . If yes, division response was made to this request by letter dated    .

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A 1. Copies of documents have been sent on     to     at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.

**FILMING**

- Y 1. All attachments to this form have been microfilmed. Today's date: 1-30-97.

**FILING**

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

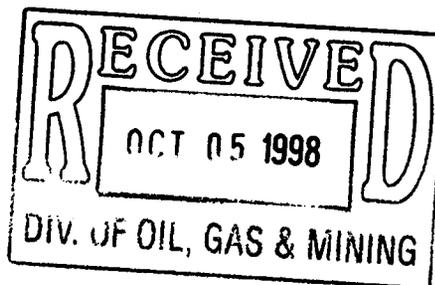
\_\_\_\_\_

MOUNTAIN PETROLEUM CORPORATION

1801 BROADWAY, SUITE 1250  
DENVER, COLORADO 80202  
(303) 296-1500  
FAX (303) 296-2029

October 1, 1998

State of Utah  
Division of Oil, Gas and Mining  
P.O. Box 145801  
Salt Lake City, UT 84114-5801



ATTN: Kristen Risbeck

RE: Change of Operator Notification

Dear Kristen:

Pursuant to our conversation on this date, please find enclosed copies of the Sundry Notices we have filed with the BLM notifying of intent to change the operator on two wells in Uintah County, UT. It is my understanding of our conversation that we now have an account number set up with the state for production reporting (N5075). I will be filing production reports for 9/98 and will use this account number.

Please let me know what else you require to complete the change of operator procedure. I do understand that it will not be completed until it is approved by the BLM. Thank you for you help and should you have any questions, please don't hesitate to call.

Very truly yours,

  
Rebecca L. Martinez

**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

5. Lease Designation and Serial No.  
U-57647

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

**SUBMIT IN TRIPLICATE**

1. Type of Well  
 Oil Well  Gas Well  Other

8. Well Name and No.  
Horseshoe Bend Fed. 14-35

2. Name of Operator  
Mountain Petroleum Corporation

9. API Well No.  
43,047,31426

3. Address and Telephone No.  
1801 Broadway, Suite 1250, Denver, CO 80202 (303) 296-1500

10. Field and Pool, or Exploratory Area  
Horseshoe Bend

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
Township 6 South, Range 22 East, SLM  
Section 35 SW $\frac{1}{4}$ , SW $\frac{1}{4}$

11. County or Parish, State  
Uintah Co., Utah

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

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

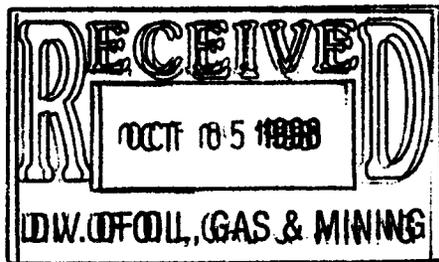
(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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.)

NOTICE OF CHANGE OF OPERATOR:  
Effective September 1, 1998, 100% of the working interest owners elected Mountain Petroleum Corporation as operator of the above well. Mountain Petroleum Corporation does hereby certify that it is responsible under the terms and conditions of the lease to conduct lease operations.

I certify the foregoing to be true and correct.

Priority Oil & Gas LLC (Previous Operator)



By: David A. Jones  
David A. Jones Vice President

14. I hereby certify that the foregoing is true and correct  
Signed [Signature] Title Vice President Date 9/30/98  
(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

STATE OF UTAH  
DIVISION OF OIL, GAS AND MINING

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill new wells, deepen existing wells, or to reenter plugged and abandoned wells.  
Use APPLICATION FOR PERMIT TO DRILL OR DEEPEN form for such proposals.

1. Type of Well: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER:		5. Lease Designation and Serial Number: U-57647
2. Name of Operator: Priority Oil & Gas LLC		6. If Indian, Alutian or Tribe Name:
3. Address and Telephone Number: 633 17th Street, Suite 1520, Denver, CO 80202 (303) 296-3435		7. Unit Agreement Name:
4. Location of Well Footage: CG, Sec., T., R., M.: T6S, R22E, SLM Section 35 Sw/4 SW/4		8. Well Name and Number: Horseshoe Bend Fed 14-35
		9. API Well Number: 43-047-31426
		10. Field and Pool, or Wildcat: Horseshoe Bend

County: Uintah  
State: Utah

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

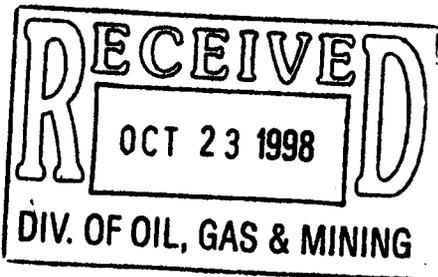
NOTICE OF INTENT (Submit in Duplicate)	SUBSEQUENT REPORT (Submit Original Form Only)
<input type="checkbox"/> Abandon <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input type="checkbox"/> Multiple Completion <input type="checkbox"/> Other _____  Approximate date work will start _____	<input type="checkbox"/> Abandon * <input type="checkbox"/> Repair Casing <input type="checkbox"/> Change of Plans <input type="checkbox"/> Convert to Injection <input type="checkbox"/> Fracture Treat or Acidize <input checked="" type="checkbox"/> Other <u>Change of Operator</u>  Date of work completion _____  <small>Report results of Multiple Completions and Recompletions to different reservoirs on WELL COMPLETION OR RECOMPLETION REPORT AND LOG form. * Must be accompanied by a cement verification report.</small>
<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Recomplete <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off	<input type="checkbox"/> New Construction <input type="checkbox"/> Pull or Alter Casing <input type="checkbox"/> Reperforate <input type="checkbox"/> Vent or Flare <input type="checkbox"/> Water Shut-Off

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

**NOTICE OF CHANGE OF OPERATOR:**  
Effective September 1, 1998, 100% of the Working Interest Owners elected Mountain Petroleum Corporation as operator of the above well. Priority Oil & Gas LLC is the prior operator and does hereby acknowledge as true and correct the change of operator to Mountain Petroleum Corporation.

13. Name & Signature: David A. Jones Title: Vice President Date: 21 Oct 1998

(This space for State use only)



(See instructions on Reverse Side)



# United States Department of the Interior

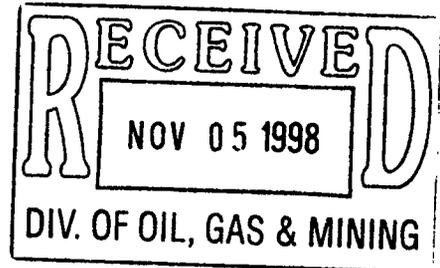
## BUREAU OF LAND MANAGEMENT

Vernal Field Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (435) 781-4400  
Fax: (435) 781-4410

IN REPLY REFER TO:  
3162.3  
UT08300

October 26, 1998



Mountain Petroleum Corporation  
Attn: Rebecca L. Martinez  
1801 Broadway, Suite 1250  
Denver, CO 80202

Re: **Horseshoe Bend Fed. 14-35**  
SWSW, Sec. 35, T6S, R22E  
Lease U-57647  
Uintah County, Utah

Dear Ms. Martinez:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Mountain Petroleum Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1123, for all operations conducted on the referenced well on the lease UTU-57647.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II  
Assistant Field Manager  
Minerals Resources

cc: Priority Oil & Gas LLC  
Utah Div. Oil, Gas & Mining



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

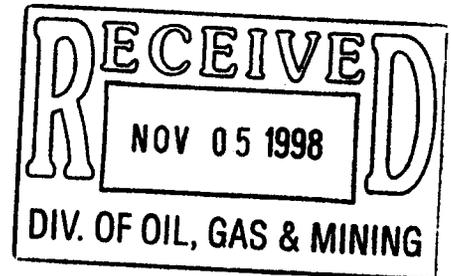
Vernal Field Office  
170 South 500 East  
Vernal, Utah 84078-2799

Phone: (435) 781-4400  
Fax: (435) 781-4410

IN REPLY REFER TO:

3162.3  
UT08300

October 26, 1998



Mountain Petroleum Corporation  
Attn: Rebecca L. Martinez  
1801 Broadway, Suite 1250  
Denver, CO 80202

Re: Horseshoe Bend Fed. 14-25  
SWSW, Sec. 25, T6S, R22E  
Lease U-57647  
Uintah County, Utah

Dear Ms. Martinez:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Mountain Petroleum Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. UT1123, for all operations conducted on the referenced well on the lease UTU-57647.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4400.

Sincerely,

Howard B. Cleavinger II  
Assistant Field Manager  
Minerals Resources

cc: Priority Oil & Gas LLC  
Utah Div. Oil, Gas & Mining

**OPERATOR CHANGE WORKSHEET**

Routing:	
1-KDR ✓	6-KAS
2-GLH ✓	7-SJ
3-JRB	8-FILE
4-CDW	
5-KDR ✓	

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

- Change of Operator (well sold)       Designation of Agent  
 Designation of Operator       Operator Name Change Only

The operator of the well(s) listed below has changed, effective: 9-1-98

<b>TO:</b> (new operator)	<u>MOUNTAIN PETROLEUM CORP</u>	<b>FROM:</b> (old operator)	<u>PRIORITY OIL &amp; GAS LLC</u>
(address)	<u>1801 BROADWAY STE 1250</u>	(address)	<u>633 17TH STREET STE 1520</u>
	<u>DENVER CO 80202</u>		<u>DENVER CO 80202</u>
	<u>REBECCA MARTINEZ</u>		
Phone:	<u>(303) 296-1500</u>	Phone:	<u>(303) 296-3435</u>
Account no.	<u>N5075 (10-1-98)</u>	Account no.	<u>N6685</u>

**WELL(S)** attach additional page if needed:

Name:	<u>HORSESHOE BEND 14-35</u>	API:	<u>43-047-31426</u>	Entity:	<u>9670</u>	S	<u>35</u>	T	<u>6 S</u>	R	<u>22 E</u>	Lease:	<u>U-57647 (FED)</u>
Name:	<u>HORSESHOE BEND 14-25</u>	API:	<u>43-047-31424</u>	Entity:	<u>9961</u>	S	<u>25</u>	T	<u>6 S</u>	R	<u>22 E</u>	Lease:	<u>U-57647 (FED)</u>
Name:	_____	API:	_____	Entity:	_____	S	_____	T	_____	R	_____	Lease:	_____
Name:	_____	API:	_____	Entity:	_____	S	_____	T	_____	R	_____	Lease:	_____
Name:	_____	API:	_____	Entity:	_____	S	_____	T	_____	R	_____	Lease:	_____
Name:	_____	API:	_____	Entity:	_____	S	_____	T	_____	R	_____	Lease:	_____
Name:	_____	API:	_____	Entity:	_____	S	_____	T	_____	R	_____	Lease:	_____

**OPERATOR CHANGE DOCUMENTATION**

- KDR 1. (r649-8-10) Sundry or other legal documentation has been received from the **FORMER** operator (attach to this form). *(rec'd 10.5.98) (Sundries 10.23.98)*
- KDR 2. (r649-8-10) Sundry or other legal documentation has been received from the **NEW** operator (Attach to this form). *(rec'd 10.5.98)*
- KDR 3. The **Department of Commerce** has been contacted if the **new** operator above is not currently operating any wells in Utah. Is the company registered with the state? *(yes/no)* \_\_\_\_ If yes, show company file number: *CD# 2143008. (10.13.98)*
- KDR 4. **FOR INDIAN AND FEDERAL WELLS ONLY.** The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of **Federal** and **Indian** well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below. *(rec'd 11.5.98)*
- KDR 5. Changes have been entered in the **Oil and Gas Information System** (3270) for each well listed above. *(11.6.98)*
- KDR 6. **Cardex** file has been updated for each well listed above. *(11.6.98)*
- KDR 7. **Well file labels** have been updated for each well listed above. *(\*new system)*
- KDR 8. Changes have been included on the monthly "Operator, Address, and Account Changes" **memo** for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(11.6.98)*
- KDR 9. A folder has been set up for the **Operator Change file**, and a copy of this page has been placed there for reference during routing and processing of the original documents.

**ENTITY REVIEW**

- KDR 1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
- KDR 2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

**BOND VERIFICATION - (FEE WELLS ONLY)**

- N/A 1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
- + 2. A copy of this form has been placed in the new and former operator's bond files.
- + 3. The FORMER operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_, as of today's date \_\_\_\_\_. If yes, division response was made to this request by letter dated \_\_\_\_\_.

**LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY**

- N/A 1. Copies of documents have been sent on \_\_\_\_\_ to \_\_\_\_\_ at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
- N/A 2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_ 19 \_\_\_\_, of their responsibility to notify all interest owners of this change.

**FILMING**

- + 1. All attachments to this form have been microfilmed. Today's date: \_\_\_\_\_.

**FILING**

- + 1. Copies of all attachments to this form have been filed in each well file.
- + 2. The original of this form, and the original attachments are now being filed in the Operator Change file.

**COMMENTS**

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UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OMB No. 1004-0135  
Expires November 30, 2000

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

5. Lease Serial No.	U-57647
6. If Indian, Allottee or Tribe Name	
7. If Unit or CA/Agreement, Name and/or No.	
8. Well Name and No.	#14-35 Horseshoe Bend
9. API Well No.	43 047 31426
10. Field and Pool, or Exploratory Area	Horseshoe Bend
11. County or Parish, State	Utah Co., Utah

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 Mountain Petroleum Corporation

3a. ~~1000~~ Broadway  
 Suite 1250, Denver, CO 80202

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SW SW Section 35-T6S-R22E 640' FWL & 669' FWL

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

See Back

COPY SENT TO OPERATOR  
Date: 8-6-03  
Initials: CHD

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

Name (Printed/Typed) Vince Guinn	Title Consulting Engineer
Signature <i>Vince Guinn</i>	Date 7/18/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

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

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

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
Date: 8/5/2003  
By: *[Signature]*

Federal Approval Of This  
Action Is Necessary

RECEIVED  
AUG 05 2003  
DIV. OF OIL, GAS & MINING

HSB Federal #14-35  
Sec. 35 T6S, R22E  
Uintah County, Utah

Well Data

Depth: 3,400' TD PBD: 3,330'

Elevation: 5076' KB: 5'

Casing: 8-5/8", 24#, J-55 set at 221'  
4 1/2", 10.5#, J-55 set 3,381', top of cement at 2099' calculated.

Perforations: 2870'-3826'.

Tubing: 2-3/8", 4.7#, J-55 EUE 8RD tubing

<u>Description</u>	<u>ID (in)</u>	<u>Drift (in)</u>	<u>Capacity B/FT</u>	<u>Burst PSI</u>	<u>Collapse PSI</u>
4 1/2", 10.5#, J-55	4.052	3.927	.0159	4790	4010
2-3/8", 4.7#, J-55	1.195	1.901	.00387	7700	8100

Procedure

1. MIRU service rig. ND wellhead and NU BOP. POOH w/ 2-3/8" tbg. PU 4 1/2" cmt ret. on wireline and TIH setting retainer at 2,845'. POOH w/ wireline. PU 3-1/8" perforating gun and TIH to 271'. Perforate 4 shot, 90° phasing. POOH and rig down wireline truck.
2. TIH w/ 2-3/8" tbg. and sting into retainer. Pump 50 sx. cmt displacing cmt. To 2835'. Sting out of retainer. Spot remaining cmt on top of retainer. POOH laying down tbg. Release service rig.
3. Pump 75 sx cmt. Displacing cmt to 260'. Cut off casing blow ground level and install dry hole marker.
4. Remove surface equipment and reclaim surface.

1801 Broadway, Suite 1250  
Denver, CO 80202 (303) 296-1500  
Fax (303) 296-2029



# Fax

**To:** Carolyn -- UT Division Oil Gas & Mining **From:** Rebecca Henderson

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**Fax:** 801-359-3940 **Pages:**

---

**Phone:** 801-538-5531 **Date:** 04/12/04

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**Re:** P&A reports Horseshoe Bend Fed 14-25 **CC:**  
& 14-35

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**Urgent**     **For Review**     **Please Comment**     **Please Reply**     **Please Recycle**

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● **Comments:** Carolyn: Attached are the sundry notices pertaining to the plugging of both of these wells in 2003. Please let me know when I may stop submitting production reports. Thank you for you help in this matter.

Rebecca

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APR 12 2004  
DIV. OF OIL, GAS & MINING

BUREAU OF LAND MANAGEMENT

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

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 Mountain Petroleum Corporation

3a. 1063 Broadway  
 Suite 1250 Denver, CO 80202

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SW SW Section 35-T6S-R22E 640' FSL & 669' FWL

5. Lease Serial No.  
 U-57647

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
 #14-35 Horseshoe Bend

9. API Well No.  
 43 047 31426

10. Field and Pool, or Exploratory Area  
 Horseshoe Bend

11. County or Parish, State  
 Uintah Co., Utah

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recombine	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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

See Back

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APR 12 2004

DIV. OF OIL GAS & MINING

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

Name (Printed/Typed) Vince Guinn Title Consulting Engineer

Signature *Vince Guinn* Date 12/5/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by \_\_\_\_\_ Title \_\_\_\_\_ Date \_\_\_\_\_

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

Office \_\_\_\_\_

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

**Horseshoe Bend #14-35**

**October 17, 2003 MIRU Pennant Service Company Rig #21. SDFW  
DWC: \$1875 CWC: \$1875**

**October 20, 2003 Blow well down. Killed well w/ 50 bbls fresh wtr. ND wellhead and  
NU BOP. POOH w/ tbg strapping tbg on TOH. MIRU Oilwell Perforators. Wireline  
set cmt. retainer. at 2845'. Perforate 4½" casing at 271'. SIW SDFN DWC: \$7653  
CWC: 9527**

**October 21, 2003 PU stinger on 2-3/8" tbg and TIH. Sting into retainer at 2845'. WO  
cementers 2 hr. Cement crew doing squeeze for another operator and were not released.  
Released crew and SDFN. DWC: \$2590 CWC: \$12,117**

**October 22, 2003 MIRU Big 4 Cementers. Pumped 47 sx cmt below retainer set at  
2845'. Sting out of retainer. And spot 3 sx cmt on top. POOH laying down 2-3/8" tbg.  
ND BOP and NU wellhead. Pumped 100 sx. Cmt down 4½" casing with returns up 8-  
5/8" csg. Had good cmt returns to surface. ND wellhead. RD Big 4 cementers. RD  
Pennant Service Company. Released rig. DWC: 7400 CWC: 19600**

**October 23, 2003 MIRU Big 4 Cementers. Topped off 4½" casing and 4½" X 8-5/8"  
annulus w/ 20 sx cmt. RD Big 4 Cementers. DWC: \$1280 CWC: \$20,840**

**October 24, 2003 MI roustabout crew. Dig out cellar to 3 feet deep. Cut off casing.  
Found cement in 4½" casing at 85'. Disconnect separator and Dehy. Will pour redi mix  
down casing on Monday. DWC: \$1238 CWC: \$22,100**

**October 27, 2003 Attempted to load separator for tip to Sivills yard in Vernal. Winch  
cable broke. Will drain ethylene glycol and move Wednesday. DWC: \$732 CWC:  
\$22,800**

**October 28, 2003 Dug out risers, anchors, and flow lines on location. Cut of same and  
back filled holes. Reclaimed surface pit. Weld on plate. Back filled cellar. Will check  
w/ BLM on surface reclamation. DWC: \$943 CWC: \$23,850**

**October 29, 2003 Load out tubing and remaining equipment. Measured out sales  
pipeline distance. Met with BLM on surface reclamation. Will require some contouring  
and reseeding. DWC: \$1038 CWC: \$24,800**

**November 13, 2003 Moved dozer from 14-25 to location. Spread seed on location and  
cat walk in seed. Removed cattle guard and loaded out. Tied in fence to gate. Spread  
seed and cat walked in. Plug and abandonment complete. DWC: \$1,023 CWC: \$25,800**

**RECEIVED**

**APR 12 2004**

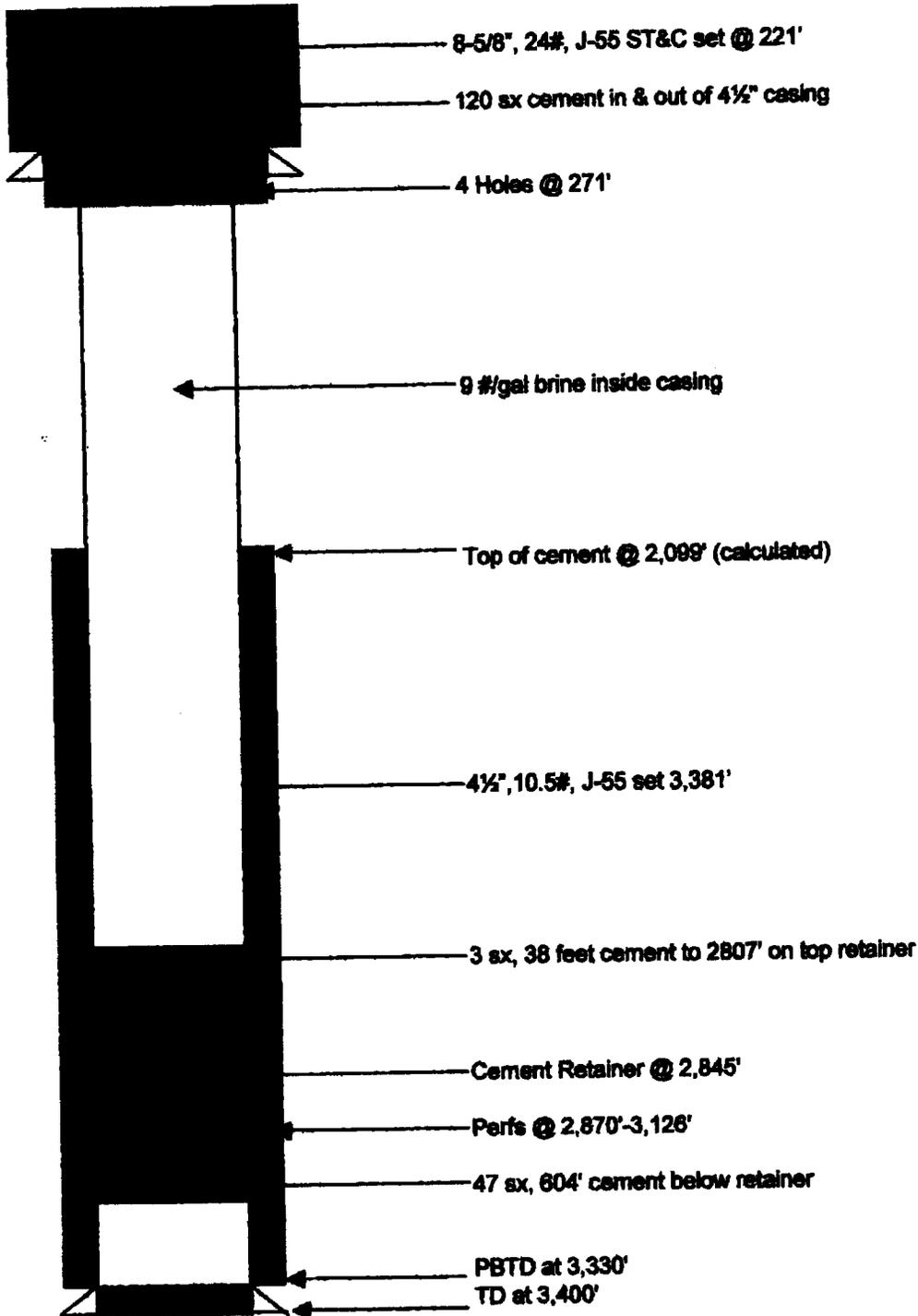
**DIV. OF OIL, GAS & MINING**

**HORSESHOE BEND #14-35**  
Sec. 35, T6S, R22E  
Uintah County, Utah

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APR 12 2004

DIV. OF OIL, GAS & MINING



**SUNDRY NOTICES AND REPORTS ON WELLS**  
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**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
 Oil Well  Gas Well  Other

2. Name of Operator  
 Mountain Petroleum Corporation

3a. ~~1001~~ Broadway Suite 1250, Denver, CO 80202

3b. Phone No. (include area code)

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SW SW Section 35-T6S-R22E 640' FSL & 669' FWL

5. Lease Serial No.  
 U-57647

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
 #14-35 Horseshoe Bend

9. API Well No.  
 43 047 31426

10. Field and Pool, or Exploratory Area  
 Horseshoe Bend

11. County or Parish, State  
 Uintah Co., Utah

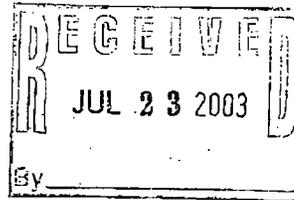
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

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See Back

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APR 12 2004



DIV. OF OIL, GAS & MINING

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

Name (Printed/Typed) Vince Guinn Title Consulting Engineer

Signature *Vince Guinn* Date 7/18/2003

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by *Kirk Fulwood* Petroleum Engineer Date 9/19/03

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

Office

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

**CONDITIONS OF APPROVAL ATTACHED**

HSB Federal #14-35  
Sec. 35 T6S, R22E  
Uintah County, Utah

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APR 12 2004

Well Data

DIV. OF OIL, GAS &amp; MINING

Depth: 3,400' TD PBTB: 3,330'  
Elevation: 5076' KB: 5'  
Casing: 8-5/8", 24#, J-55 set at 221'  
4 1/2", 10.5#, J-55 set 3,381', top of cement at 2099' calculated.

Perforations: 2870'-3826'.

Tubing: 2-3/8", 4.7#, J-55 EUE 8RD tubing

<u>Description</u>	<u>ID (in)</u>	<u>Drift (in)</u>	<u>Capacity</u>	<u>Burst</u>	<u>Collapse</u>
			<u>B/FT</u>	<u>PSI</u>	<u>PSI</u>
4 1/2", 10.5#, J-55	4.052	3.927	.0159	4790	4010
2-3/8", 4.7#, J-55	1.195	1.901	.00387	7700	8100

Procedure

1. MIRU service rig. ND wellhead and NU BOP. POOH w/ 2-3/8" tbg. PU 4 1/2" cmt ret. on wireline and TIH setting retainer at 2,845'. POOH w/ wireline. PU 3-1/8" perforating gun and TIH to 271'. Perforate 4 shot, 90° phasing. POOH and rig down wireline truck.
2. TIH w/ 2-3/8" tbg. and sting into retainer. Pump 50 sx. cmt displacing cmt. To 2835'. Sting out of retainer. Spot remaining cmt on top of retainer. POOH laying down tbg. Release service rig.
3. Pump 75 sx cmt. Displacing cmt to 260'. Cut off casing blow ground level and install dry hole marker.
4. Remove surface equipment and reclaim surface.

**CONDITIONS OF APPROVAL FOR WELL ABANDONMENT**

Company Mountain Petroleum Corporation Location SWSW Sec. 35 T5S R22E  
Well No. Horseshoe Bend 14-35 Lease No. U - 57647

**A COPY OF THESE CONDITIONS SHOULD BE GIVEN TO  
YOUR FIELD REPRESENTATIVE TO ENSURE COMPLIANCE**

1. This office will be notified sufficiently in advance of actual plugging work so that a representative may have an opportunity to witness the operation. If time permits, please try to notify this office at least 24 hours in advance of rigging up.
2. Prior to perforating any casing string, adequate BOPs, lubricators, and controls will be installed and function tested.
3. If paraffin or scale deposits are detected while pulling the tubing or any other production equipment out of the wellbore, hot water treatments and/or scraper runs will be conducted before placing any cement plugs.
4. Spacer fluid with a minimum weight of 9 ppg must be placed between cement plugs. It can consist of either KCL water or mud.
5. It will be left to the discretion of the BLM representative on location while plugging as to whether or not any of the plugs will need to be tagged.
6. Upon completion of the approved plugging program, a dry hole marker shall be installed in accordance with 43 CFR 3162.6(b) and clean up the site. The marker shall be a flat plate (with a weep hole) not less than 1/4 inch in thickness and large enough to contain all of the information identified below and shall be buried a minimum of three (3) foot below re-contoured surface level. Pits must be fenced unless approved otherwise by the authorized officer.
7. The following minimum information will be permanently and legibly placed on the marker with a plate, cap or welded bead:
  - A. Name of the operator.
  - B. Lease serial number.
  - C. Well number.
  - D. Surveyed description of the well; section, township and range and either footages or quarter-quarter section.

**RECEIVED****APR 12 2004**

DIV. OF OIL, GAS &amp; MINING

8. Within 30 days after well bore plugging operations have been completed, Form 3160-5 (formerly Form 9-331), Subsequent Report of Abandonment, will be submitted to this office. The report must show the location of all plugs or any mechanical setting device, quantity and type of cement and additives in each plug, amount of casing or any tubulars left in the hole, methods used to test plugs and test results, and the status of the surface restoration. If a temporary delay in the removal of equipment or surface cleanup is deemed necessary, so justify in your report. This abandonment report will be approved by this office and returned with surface restoration stipulations. Liability for the well shall not be released until the surface management agency approves the actual site rehabilitation.

The Bureau of Land Management Vernal Field Office address is:

Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078  
(435) 781-4400

For downhole concerns or approvals contact:

Ed Forsman  
Staff Engineer  
Work: (435) 781-4490  
Cell: (435) 828-7874

Kirk Fleetwood  
Staff Engineer  
Work: (435) 781-4486  
Cell: (435) 828-7875

For surface concerns contact:

Byron Tolman  
Environmental Scientist  
Work: (435) 781-4482

Greg Darlington  
Environmental Scientist  
Work: (435) 781-4476

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DIV. OF OIL, GAS & MINING