

# JOHN P. LOCKRIDGE OPERATOR, INC.

RECEIVED

MAY 08 1985

May 8, 1985

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

DIVISION OF OIL  
GAS & MINING

Re: Application for Permit to Drill  
John P. Lockridge Operator, Inc.  
#33-31 Horseshoe Bend Federal  
NW SE Section 31-T6S-R22E  
Uintah Co., Utah

Gentlemen:

We herewith submit in triplicate an Application for Permit to Drill the #33-31 Horseshoe Bend Federal in the NW SE Section 31-T6S-R22E, Uintah Co., Utah. The proposed drill-site is on USA Oil and Gas Lease U-38411 and a Designation of Operator naming John P. Lockridge Operator, Inc. was submitted to your office on April 25, 1985.

A Cultural Resource Survey has been conducted for the access road and location and will be submitted to you as soon as we receive it from the archeologist.

Our engineering supervisor, Curley Grimlie, will be available to participate in the on-site inspection at your convenience. He may be contacted directly at his Denver number, 303/238-9950, or arrangements may be made by phone with the writer.

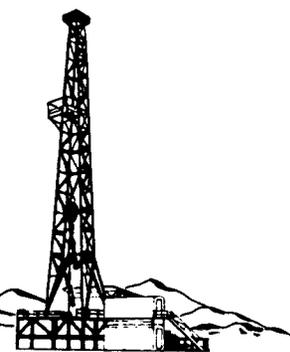
Your consideration of the enclosed APD will be appreciated.

Yours truly,

  
John P. Lockridge

cc: Utah Natural Resources, Division of Oil, Gas and Mining

Note: Application has been made with the State Engineer for use of water from the Green River. No activity will be conducted prior to our advising your office of the number of the permit under which water will be obtained.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

RECEIVED  
SUBMIT IN THIS MANNER TO THE STATE OIL AND GAS COMMISSION approved.  
(Other instructions on reverse side) Budget Bureau No. 1004-0136  
Expires August 31, 1985

MAY 08 1985

LEASE DESIGNATION AND SERIAL NO. U-38411

IF INDIAN, ALLOTTEE OR TRIBE NAME --

7. UNIT AGREEMENT NAME --

8. FARM OR LEASE NAME Horseshoe Bend Federal

9. WELL NO. 33-31

10. FIELD AND POOL, OR WILDCAT Horseshoe Bend

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 31-T6S-R22E

12. COUNTY OR PARISH Uintah 13. STATE Utah

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\* 21 mi. SE of Vernal, Utah

10. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1198'

16. NO. OF ACRES IN LEASE 1250

17. NO. OF ACRES ASSIGNED TO THIS WELL 160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2200'

19. PROPOSED DEPTH 3600'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4755' Gr.

22. APPROX. DATE WORK WILL START\* 6- 5-85

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"	24.0#	200'	110 sacks
7 1/8"	4 1/2"	9.5#	T.D.	260 sacks

Proposal: To drill a test well through the Uinta formation

See Attached:

- 1) Ten-point Drilling Program
- 2) Multipoint Surface Use and Operation Plan.
- 3) cultural Resource Survey Report has been made and will be submitted under separate cover.

Anticipated BHP is 1300 PSI

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

DATE: 5/10/85  
BY: John R. Barn

WELL SPACING: 145-4

10/25/84

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 5-8-85  
(This space for Federal or State office use)

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

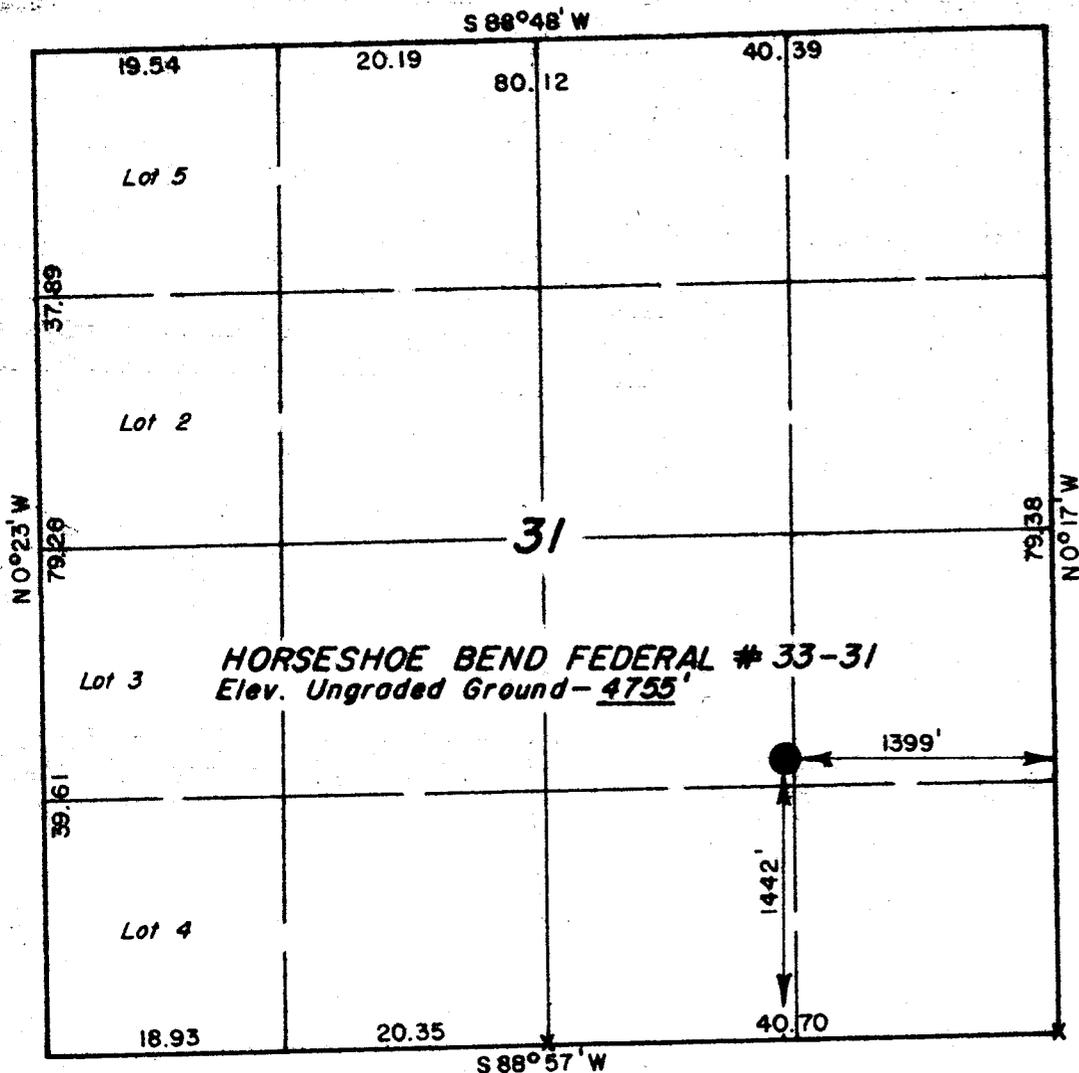
APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

\*See Instructions On Reverse Side

T 6 S , R 22 E , S.L.B. & M.

PROJECT  
JOHN P. LOCKRIDGE, OPERATOR INC.

Well location, *HORSESHOE BEND*  
 FEDERAL # 33-31, located as shown  
 in the NW 1/4 SE 1/4, Section 31, T6S,  
 R 22E , S.L.B. & M., Uintah County, Utah.



CERTIFICATE

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

*[Signature]*

REGISTERED LAND SURVEYOR  
 REGISTRATION NO 2454  
 STATE OF UTAH

X = Located Section Corners

UINTAH ENGINEERING & LAND SURVEYING  
 P.O. BOX 9 - 85 SOUTH - 200 EAST  
 VERNAL, UTAH - 84078

SCALE	1" = 1000'	DATE	4-30-86
PARTY	GS, RM	DLS	REFERENCES GLO Plat
WEATHER	Warm	FILE	Lockridge

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		
Uinta Green River Transition		H
Green River		H
T. D.		

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"	H-40	24.0	STC	200'
6 3/4	4 1/2"	J-55	9.5	STC	TD

5) CONTROL EQUIPMENT SPECIFICATIONS

The following equipment will be utilized for detection and control during the drilling operation.

BLOW OUT PREVENTORS

Size 7 1/16"      Pressure Rating 3000 psi

Pipe Rams yes      Blind Rams yes

Annular Preventor yes

Kill Line Size 2" x 3000 psi      Valves 2" x 3000 psi

Check Valve 2" x 3000 psi

Manifold

Size 3"      Valves 3" x 3000      Pressure 3000 psi

Positive choke yes      Adjustable Choke yes

See Exhibit I attached for additional detail. BOP Equipment will be installed prior to drilling below 8 5/8" casing and BOP will be tested to 1500 psi using rig pump. Surface casing will be tested to 70% of internal yield.

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'	Air				
200-2200'	KCL Water	8.4 - 8.6	No Control	No Control	
2200'-TD	KCL Gel Mud	8.6 - 9.0	45 - 55	10 cc	

Possible Sub Normal Pressured Zones Green River

Possible Abnormal Pressured Zones None

7) AUXILIARY EQUIPMENT

Upper Kelly Cock no

Lower Kelly Cock no

Floor Valve DP yes

Floor Valve DC yes

Float in DC yes

Inside BOP (Dart Valve) no

ADDITIONAL DETECTION EQUIPMENT & SERVICE

Mud Logging Unit yes

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 The mud system will be visually monitored

8) EVALUATION

A) Testing

All significant hydrocarbon shows will be drill stem tested. There will probably be 2 to 4 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>
none		

9) DRILLING HAZARDS

No extraordinary hazards are anticipated.

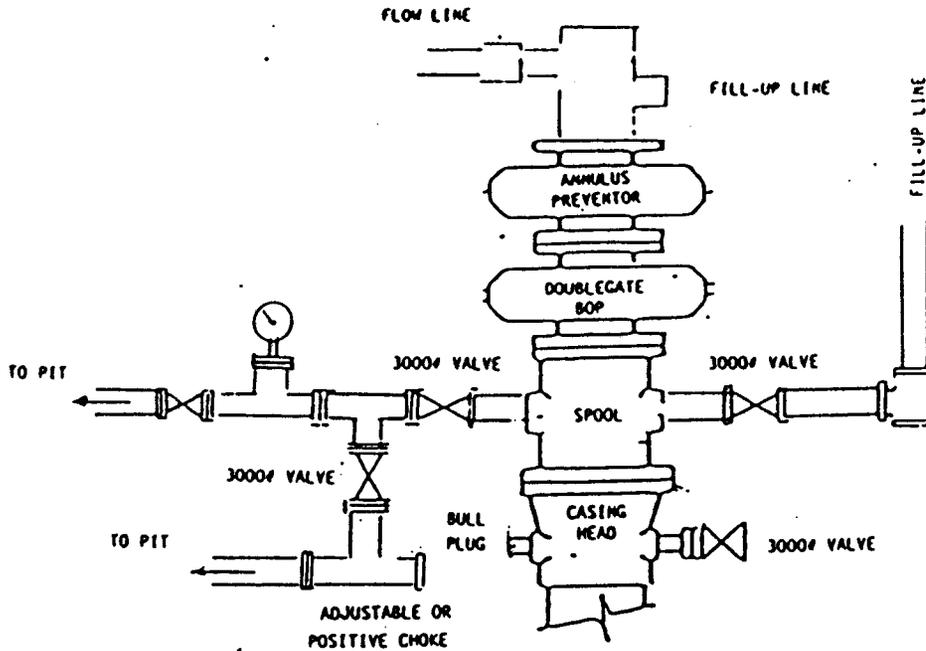
10) STARTING DATE 6-5-85 DURATION 5 DAYS.

DRILLING PROGRAM PREPARED BY: JOHN P. LOCKRIDGE

  
John P. Lockridge

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
  - b) stand pipe valve
  - c) lines to mud pump
  - d) 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.

THIRTEEN POINT SURFACE USE PLAN

1) EXISTING ROADS

See attached topographic maps A & B. Directions: take Highway 40 south from Vernal, approximately one mile to point where Highway 40 veers east. Take "New Bonanza" highway south approximately 17 miles to gravel road on west, or right side of highway. The location is approximately 4 miles west of the highway. An existing gravel road will be used for approximately 3 1/2 miles.

2) PLANNED ACCESS ROAD

See attached topographic map A. It will be necessary to construct approximately 1/2 mile 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 a maximum of 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. Low water crossing will be needed near south center point of Section 31. 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 - SW SW Section 29-T6S-R22E  
SW SE Section 32-T6S-R22E
3. Temporarily abandoned wells - none
4. Disposal wells - none
5. Drilling wells - none  
Locations:
6. Producing wells - NE 1/4 SECTION 33-T6S-R22E  
SW 1/4 Section 33-T6S-R22E  
SW 1/4 Section 32-T6S-R22E  
NE NE Section 6-T7S-R22E
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 John P. Lockridge Operator, 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.

4) Onsite inspection field comments:

5) LOCATION AND TYPE OF WATER SUPPLY

Water will be hauled from the Green River by truck. Application has been made for a state water permit.

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.

The mud pit will be approximately 6' deep and at least one half of this depth shall be below the surface of the existing ground.

A test tank will be used to contain produced fluids.

If deemed necessary by the agencies concerned, to prevent contamination to surrounding areas, the mud 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, the mud 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 mud pit dries and the reclamation activities commence, the pit 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 mud 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 mud 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 a flat area east of a drainage. 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.

11) Onsite inspection field comments:

12) LESSEE'S OR OPERATOR'S REPRESENTATIVE

John P. Lockridge  
1444 Wazee, Suite 218  
Denver, Co 80204

Telephone - 303-628-9371

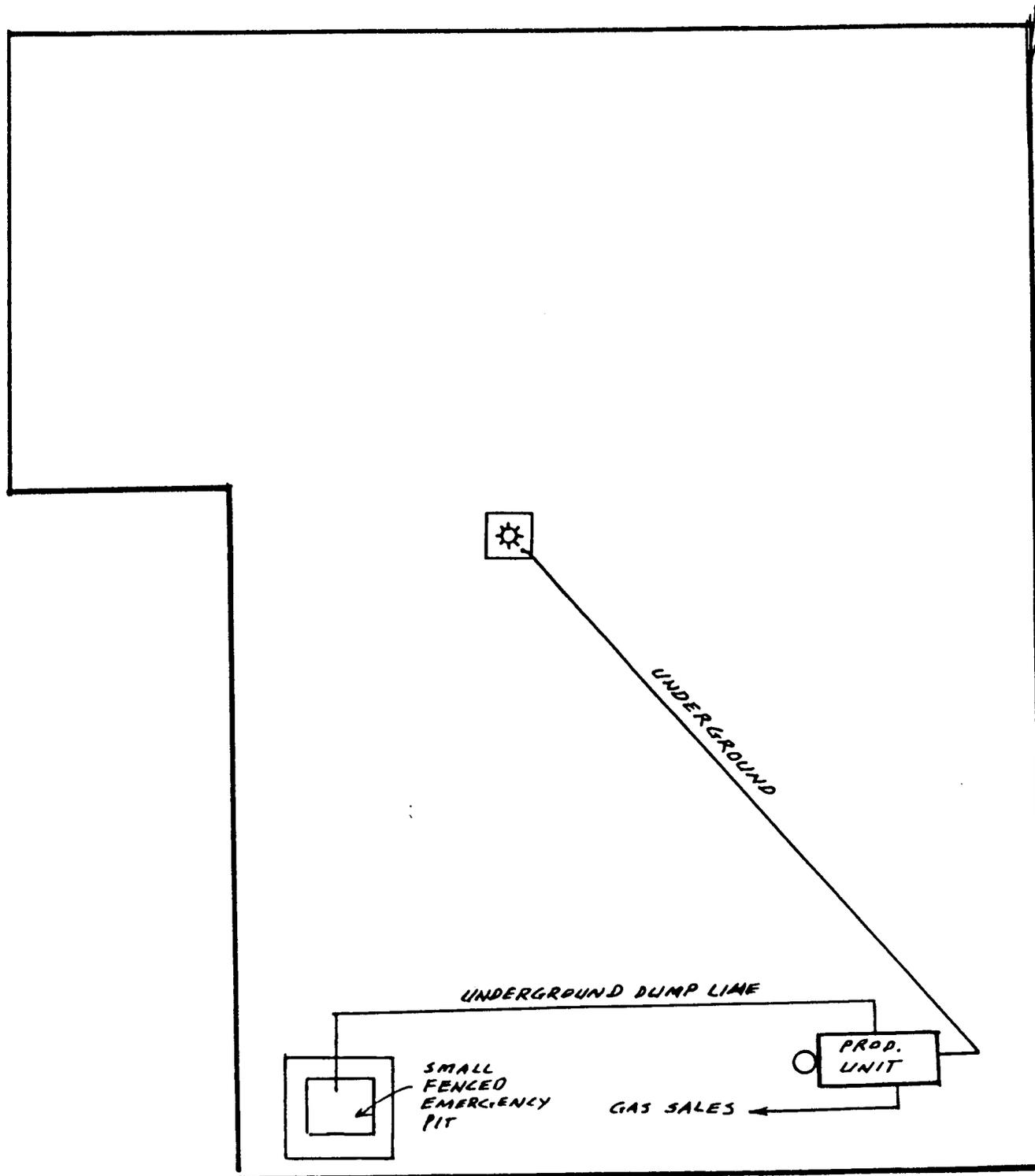
13) CERTIFICATION

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 John P. Lockridge Operator, 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.

  
John P. Lockridge, President

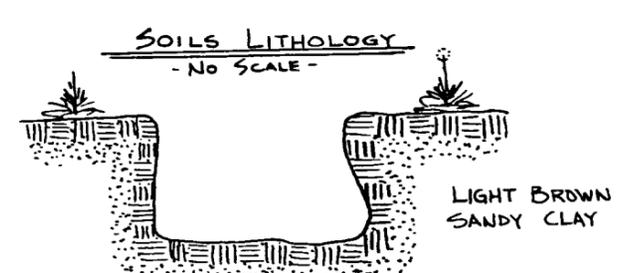
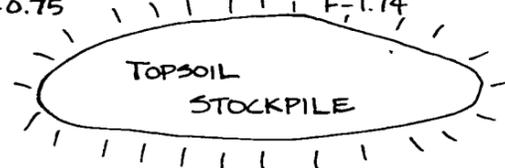
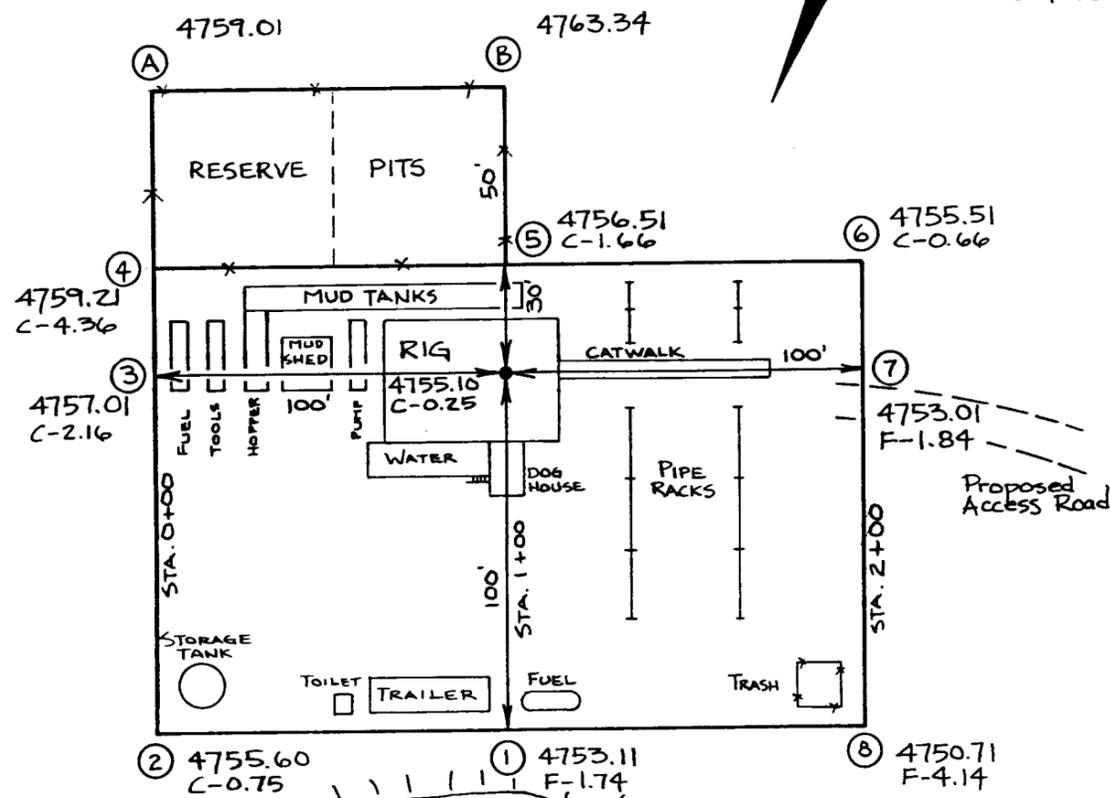
JOHN P. LOCKRIDGE OPERATOR INC  
HORSESHOE BEND FEDERAL #33-31  
NW SE SECTION 31 - T6S - R22E  
UINTAH CO., UTAH

FIGURE 1. PRODUCTION FACILITIES

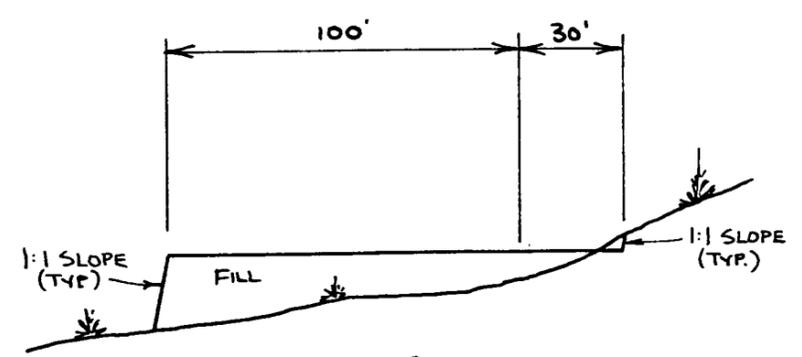
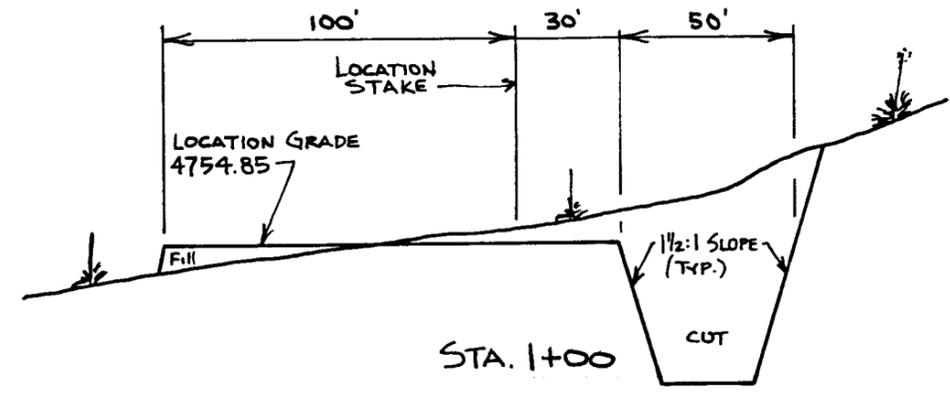
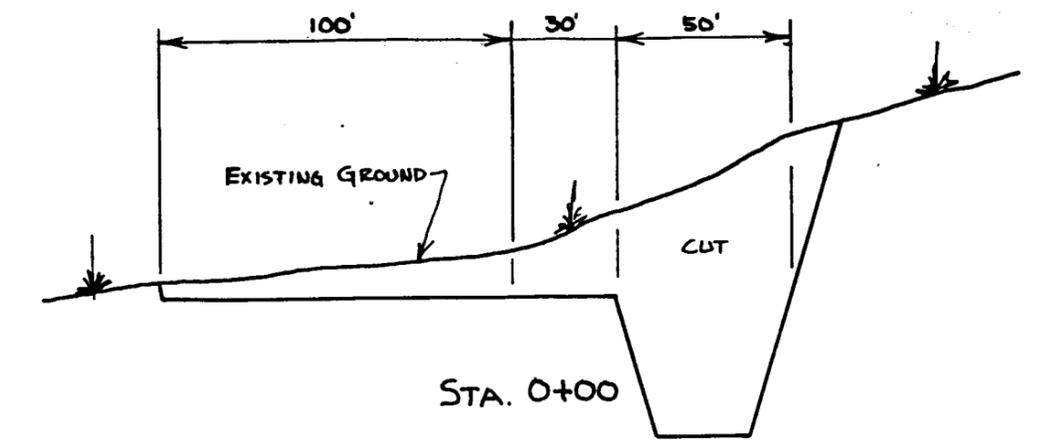
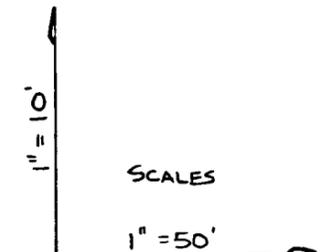


JOHN P. LOCKRIDGE, OPERATOR INC.  
HORSESHOE BEND FEDERAL #33-31

SCALE: 1"=50'  
 DATE: 5-1-85



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APPROXIMATE YARDAGES

Cu. Yds. CUT	- 3135.66
Cu. Yds. FILL	- 1047.09
UNBALANCE AFTER 20% COMPACTION	= 1879.15 CU. YDS. CUT

JOHN P. LOCKRIDGE, INC.

PROPOSED LOCATION

TOPO.

MAP "A"



SCALE 1" = 4 MI.

HORSESHOE BEND FED. # 33-31

VERNAL

PROPOSED LOCATION  
HORSESHOE BEND FED. # 33-31

4.3 mi.

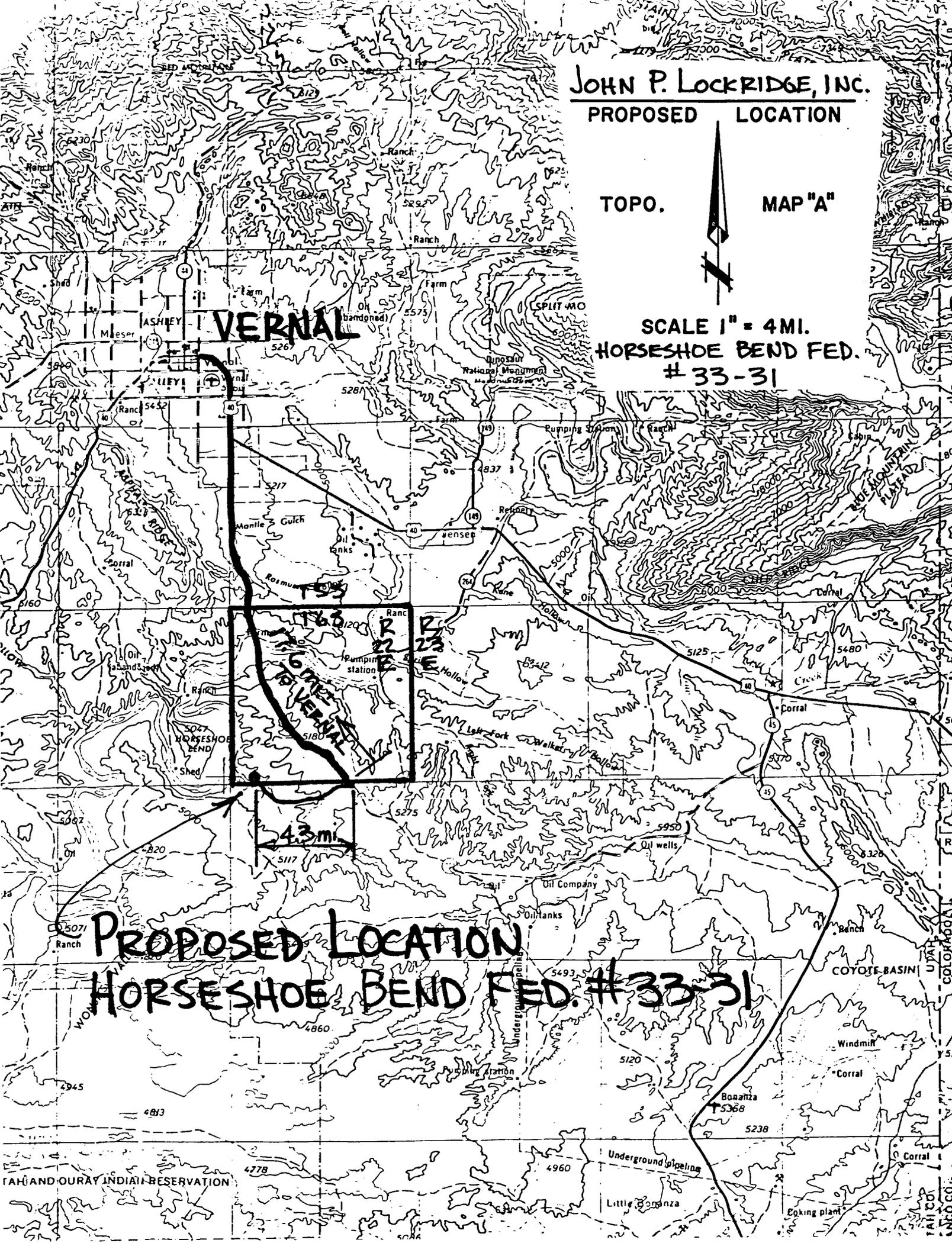
PROPOSED LOCATION  
HORSESHOE BEND FED. # 33-31

FAH AND OURAY INDIAN RESERVATION

Underground pipeline

Little Bonanza

Boiling plant



JOHN P. LOCKRIDGE, INC.

PROPOSED LOCATION

TOPO.

MAP "B"

SCALE 1" = 2000'

ROAD CLASSIFICATION

Light duty road, all weather, improved surface      Unimproved road fair or dry weather



QUADRANGLE LOCATION

HORSESHOE BEND FED.

# 33-31

Proposed Access Road 0.34 mi. ±

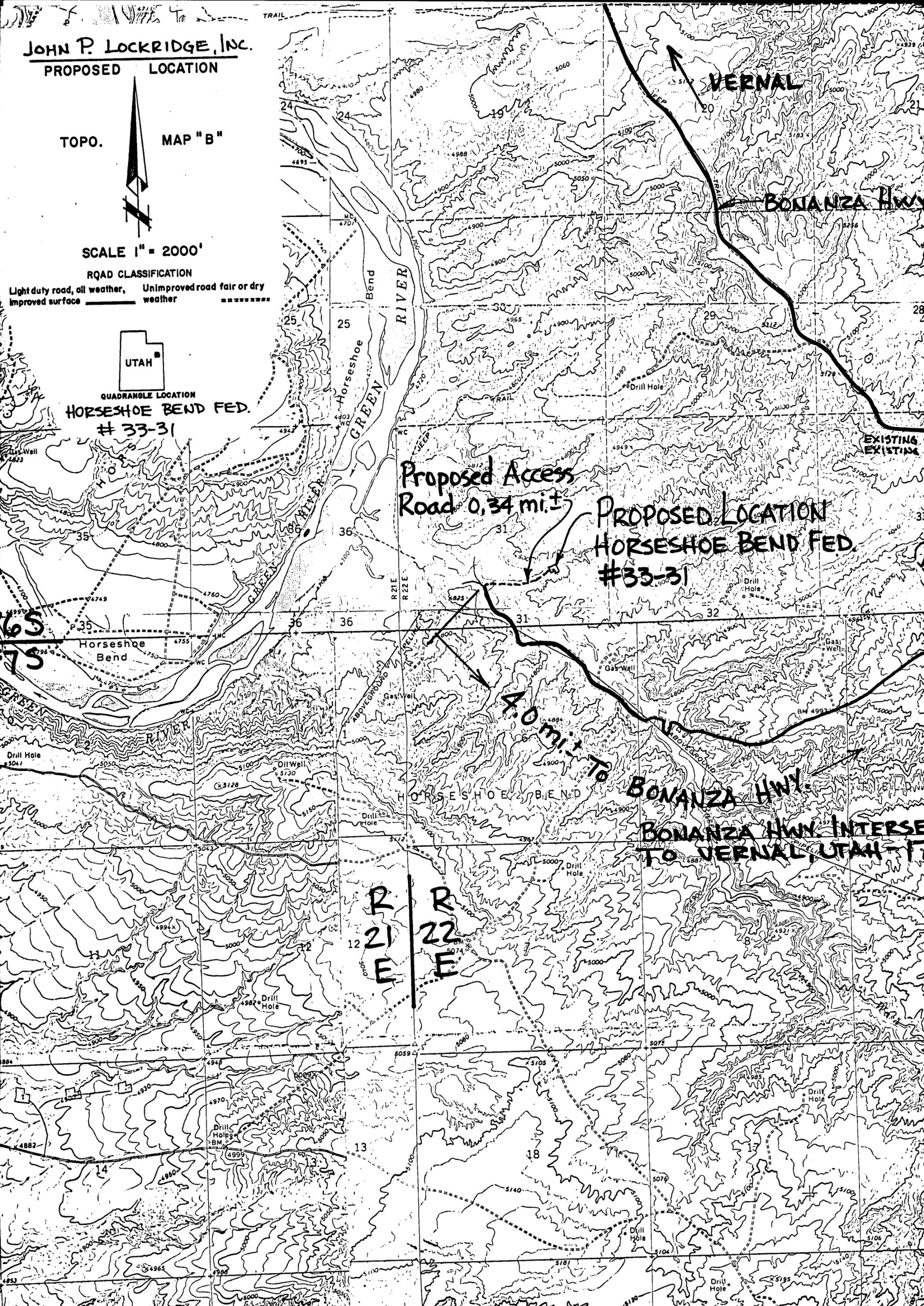
PROPOSED LOCATION HORSESHOE BEND FED. #33-31

0.34 mi. ±

BONANZA HWY.

BONANZA HWY INTERSECT TO VERNAL, UTAH - IT

R 21 E R 22 E



LOCKRIDGE, INC.

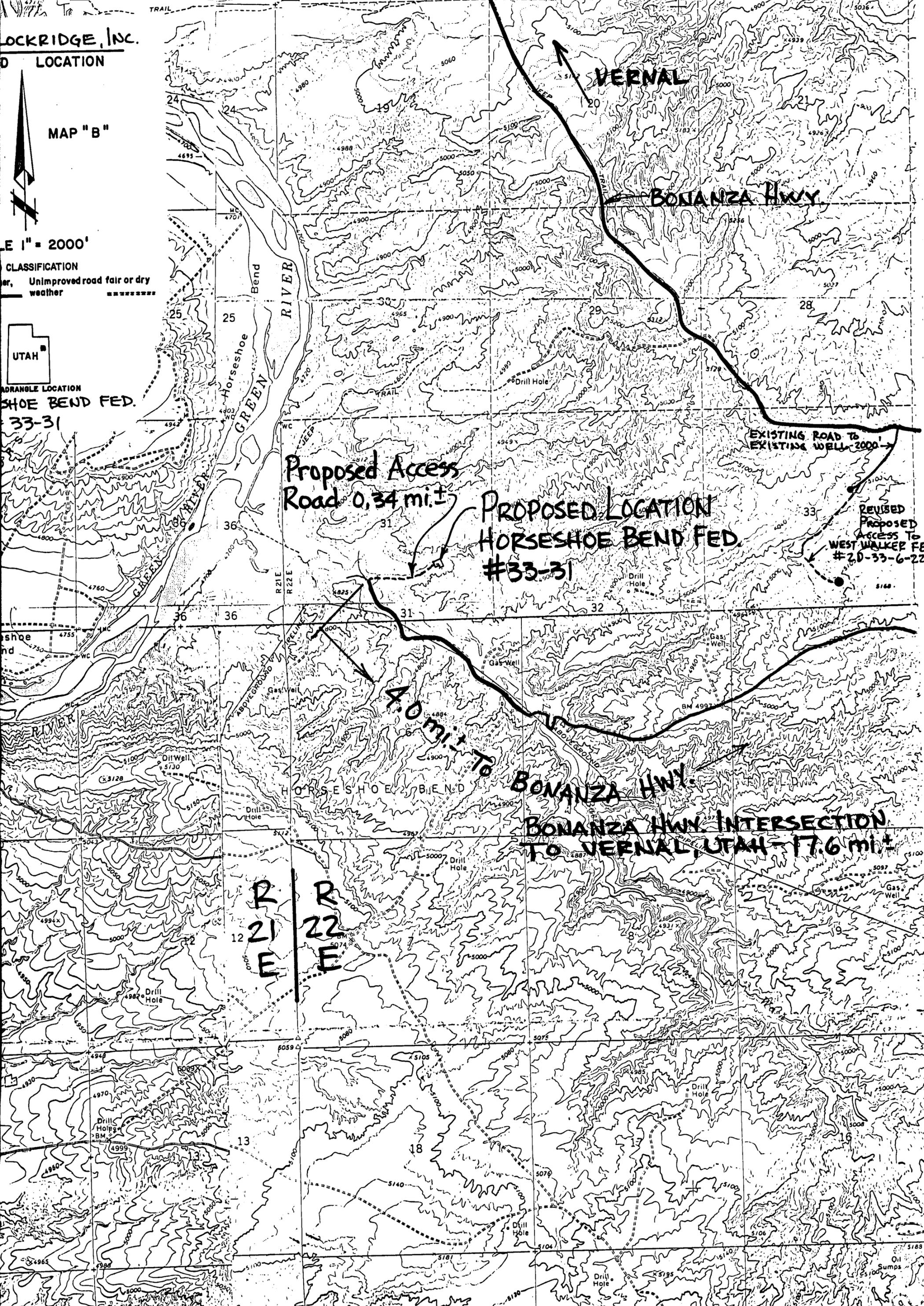
LOCATION

MAP "B"

1" = 2000'

CLASSIFICATION  
Unimproved road fair or dry weather

UTAH  
CORNER LOCATION  
HORSESHOE BEND FED.  
#33-31



VERNAL

BONANZA HWY.

GREEN RIVER  
Horseshoe Bend

Proposed Access Road 0.34 mi.±

PROPOSED LOCATION HORSESHOE BEND FED. #33-31

EXISTING ROAD TO EXISTING WELL 2000'

REVISED PROPOSED ACCESS TO WEST WALKER FED. #20-33-6-22

7.0 mi.± To

BONANZA HWY.

BONANZA HWY. INTERSECTION TO VERNAL, UTAH - 17.6 mi.±

R 21 E  
R 22 E

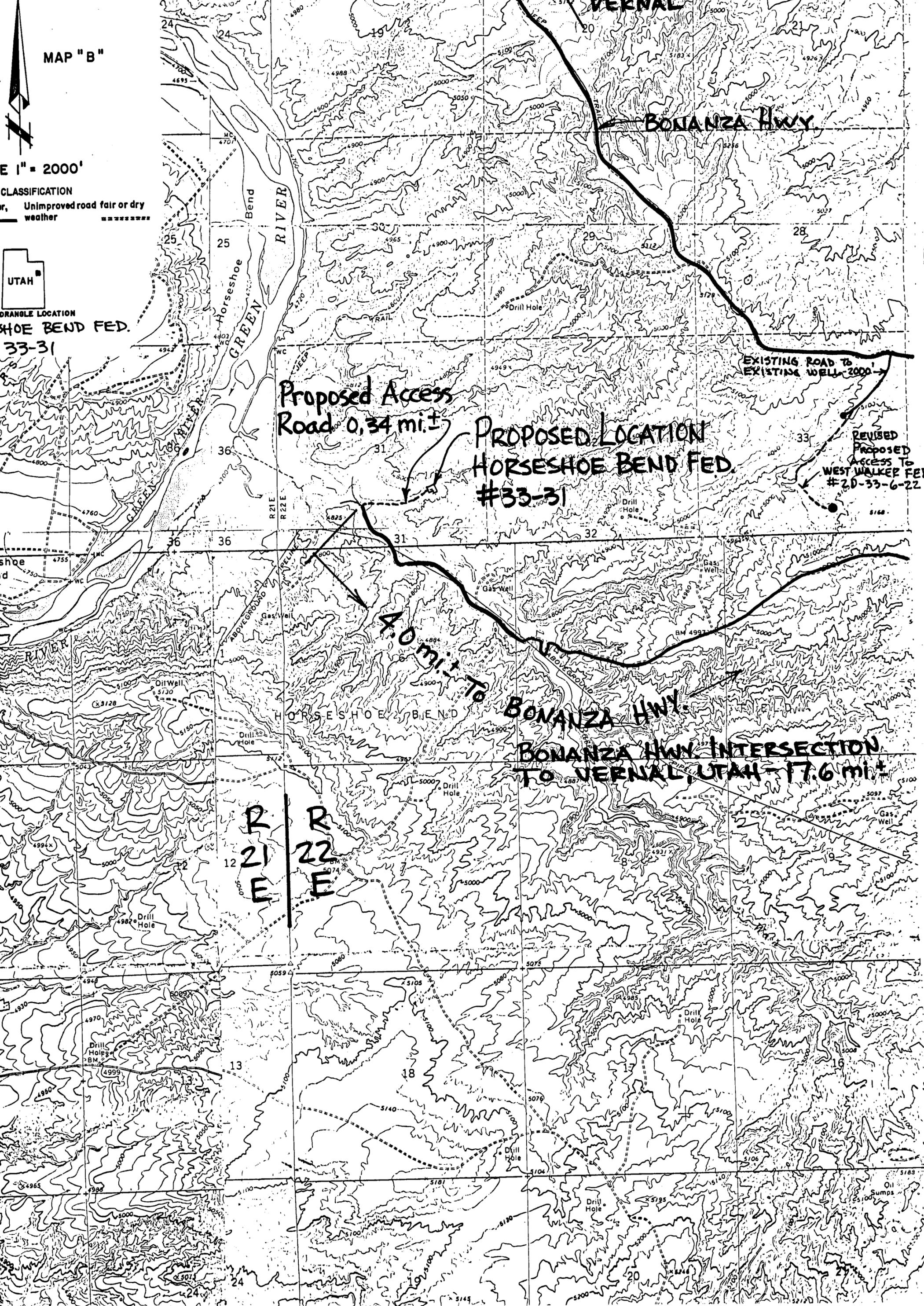
Oil Sumps

MAP "B"

1" = 2000'

CLASSIFICATION  
or, Unimproved road fair or dry weather

UTAH  
HORSESHOE BEND FED.  
33-31



Proposed Access Road 0.34 mi.±

PROPOSED LOCATION HORSESHOE BEND FED. #33-31

EXISTING ROAD TO EXISTING WELL-2000

REVISED PROPOSED ACCESS TO WEST WALKER FED. #20-33-6-22

4.0 mi.±

BONANZA HWY.

BONANZA HWY. INTERSECTION TO VERNAL, UTAH - 17.6 mi.±

R 21 E  
R 22 E

HORSESHOE BEND

BONANZA HWY

VERNAL

GREEN RIVER  
HORSESHOE BEND

shoe  
d

RIVER

Oil Sumps

4965

4995

5000

5010

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4930

4940

4950

4960

4970

4980

4990

5000

5010

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5070

5080

4750

4760

4770

4780

4790

4800

4810

4820

4830

4840

4690

4700

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4775

4785

4695

4705

4715

4725

4735

4745

4755

4765

4775

4785

4695

4705

4715

TOPO.

MAP "B"

SCALE 1" = 2000'

RQAD CLASSIFICATION

Light duty road, all weather, Improved surface      Unimproved road fair or dry weather



QUADRANGLE LOCATION  
HORSESHOE BEND FED.  
# 33-31

Proposed Access  
Road 0.34 mi. ±

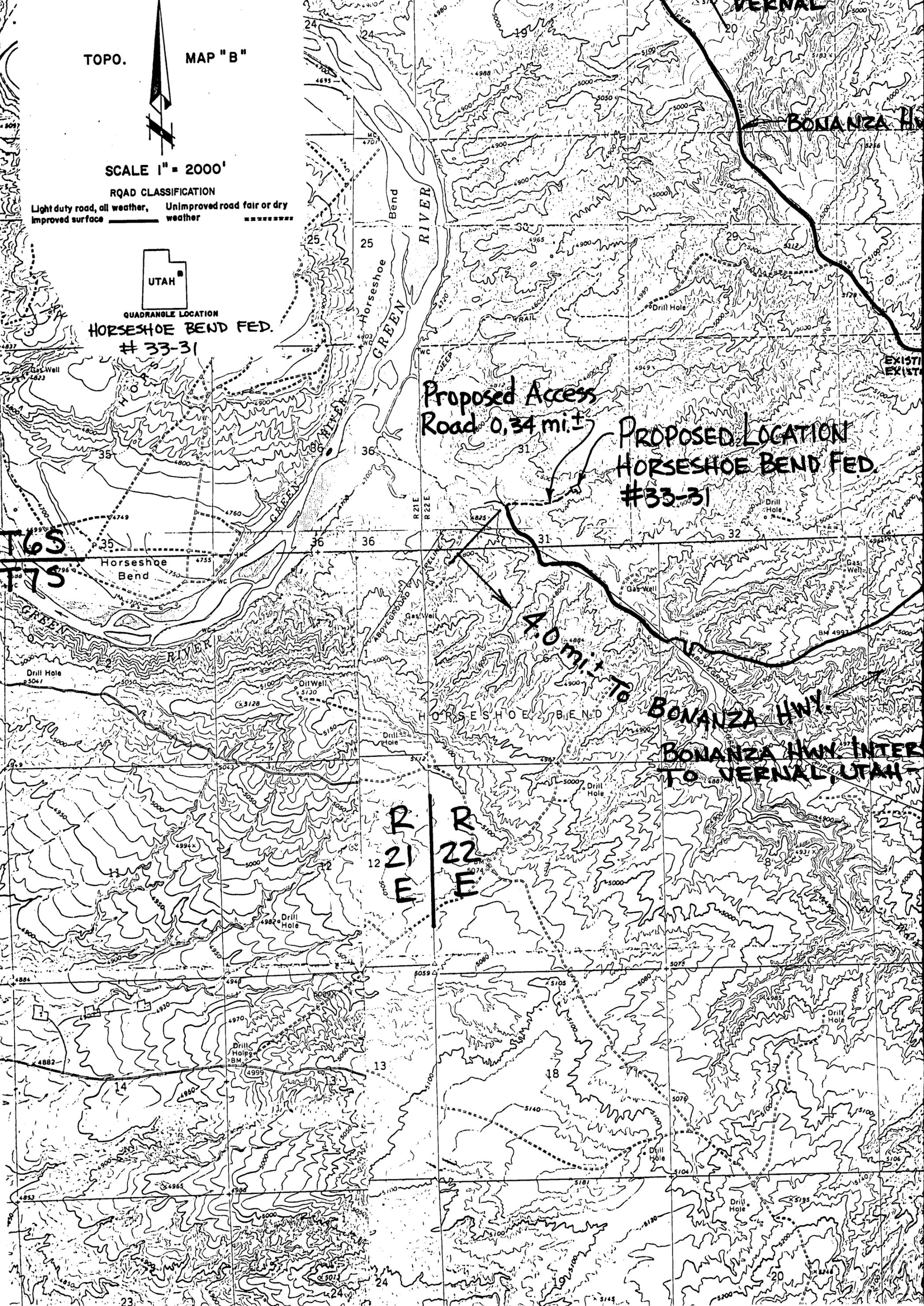
PROPOSED LOCATION  
HORSESHOE BEND FED.  
#33-31

T6S  
T7S

R 21 E  
R 22 E

4.0 Miles to

BONANZA HWY.  
BONANZA HWY INTER  
TO VERNAL, UTAH



OPERATOR John P. Lockridge DATE 5-9-85  
WELL NAME Horseshoe Bend Fed. 33-31  
SEC NWSE 31 T 6S R 22E COUNTY Winteh

43 047-31625  
API NUMBER

Fed.  
TYPE OF LEASE

CHECK OFF:

PLAT

BOND

NEAREST WELL

LEASE

FIELD

POTASH OR OIL SHALE

PROCESSING COMMENTS:

No other well in SE/4

Need water permit

APPROVAL LETTER:

SPACING:

A-3

UNIT

c-3-a

145-4 10/25/84  
CAUSE NO. & DATE

c-3-b

c-3-c

STIPULATIONS:

1- water



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

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

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

May 10, 1985

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

Gentlemen:

Re: Well No. Horseshoe Bend Federal 33-31 - NW SE Sec. 31, T. 6S, R. 22E  
1442' FSL, 1399' FEL - Uintah County, Utah

Approval to drill the above referenced gas well is hereby granted in accordance with the Order of Cause No. 145-4 dated October 25, 1984 subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water.

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

1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695 or R. J. Firth, Associate Director, (Home) 571-6068.

Page 2

John P. Lockridge Operator, Inc.  
Well No. Horseshoe Bend Federal 33-31  
May 10, 1985

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

The API number assigned to this well is 43-047-31625.

Sincerely,

A handwritten signature in black ink, appearing to read 'R. J. Firth', written over a horizontal line.

R. J. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals



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

May 24, 1985

TO: John R. Baza  
FROM: Dan Jarvis  
RE: Presite Inspections for John P. Lockridge

On site inspections were conducted on the following three locations on May 16, 1985.

Horseshoe Bend Federal 24-28 in Section 28, T.6S, R.22E, Uintah County, Utah.

Horseshoe Bend 34-33 in Section 33, T.6S, R.22E, Uintah County, Utah.

Horseshoe Bend 33-31 in Section 31, T.6S, R.22E, Uintah County, Utah.

All three locations are federal surface, all three will be operated by John P. Lockridge. In attendance at these inspections were the following people:

D.D. (Curley) Grimlie-Consultant for John P. Lockridge, Greg Darlington-BLM, Ernie Buist-Dirt Contractor, Jim Thompson, Glenn Goodwin and Dan Jarvis-State of Utah, Division of Oil, Gas and Mining. All of the above sites were given cultural clearances prior to this meeting.

The first site inspected was Horseshoe Bend Federal 24-28. The surface formation is the Unita, which is a sandy clay. Vegetation is sagebrush, prickly pear and native grasses. On the east side of the location a wash runs from north to south, the topsoil stock pile was to be stored here. Greg Darling of the BLM requested that they move the stock pile to the north side of the location to avoid the drainage. There were no recommendations to line the pit.

The John P. Lockridge, Horseshoe Bend Federal 34-33 was the second site inspected. The surface formation is the Uinta, a brown sandy clay. The pit side of the location will be built against the side of a cliff. A diversion ditch will be dug on this side of the location to divert runoff water from the cliff. Vegetation is the same as the 24-28, pit will not be lined. There are no significant environmental concerns.

Page Two  
John R. Baza  
May 24, 1985

The third site inspected was the John P. Lockridge, Horseshoe Bend Federal 33-31, the surface here is also the Uinta. The topography is relatively flat. Vegetation is Indian rice grass and sagebrush, the pit will not be lined. There are no significant enviromental concerns.

sb  
0116T-16-17

**TEMPORARY**  
**FILING FOR WATER IN THE**  
**STATE OF UTAH**

03/1102

**APPLICATION TO APPROPRIATE WATER**

Rec. by 5/10/85  
 Fee Rec. SLB # 18066  
 Platted \_\_\_\_\_  
 Microfilmed \_\_\_\_\_  
 Roll No. \_\_\_\_\_

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, 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.

WATER USER'S CLAIM NO. 49 - 1358

**RECEIVED**

APPLICATION NO. T60829

1. PRIORITY OF RIGHT: April 25, 1985

FILING DATE: April 25, 1985

MAY 28 1985

2. OWNER INFORMATION

Name: John P. Lockridge  
 Address: , UT  
 Name: Target Trucking  
 Address: 2960 North 500 East, Vernal, UT 84078

DIVISION OF OIL  
 GAS & MINING

3. QUANTITY OF WATER 8.0 acre feet (Ac. Ft.)

4. SOURCE: Green River

DRAINAGE: SE Uinta Basin

POINT(S) OF DIVERSION:

COUNTY: Uintah

- (1) S. 2800 feet, W. 1600 feet, from the NE Corner of Section 34, Township 6 S, Range 21 E, SLB&M  
 Description of Diverting Works: Pump from River
- (2) S. 1700 feet, E. 2500 feet, from the NW Corner of Section 7, Township 6 S, Range 22 E, SLB&M  
 Description of Diverting Works: Pump from River

COMMON DESCRIPTION:

5. NATURE AND PERIOD OF USE

Oil Exploration From ~~January 1~~ to December 31.  
*April, 1985 March 31, 1986*

6. PURPOSE AND EXTENT OF USE

Oil Exploration : Oil and gas well drilling and completion.

7. PLACE OF USE

The water is used in all or parts of each of the following legal subdivisions.

TOWN	RANGE	SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter			
			NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$
7 S	21 E	22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7 S	21 E	28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7 S	21 E	31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
7 S	21 E	33	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

All locations in Salt Lake Base and Meridian

43-047-31625 PA

**EXPLANATORY**

The water is to be used for the drilling and completion of Horse Shoe Bend Federal Wells No.'s 34-22, 23-28, 33-33 and 33-31.

Sec. 31, 6S 22E

\*\*\*\*\*

The applicant hereby acknowledges he/they are a citizen(s) of the United States or intends to become such a citizen.

\*\*\*\*\*

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

\*\*\*\*\*

The undersigned hereby acknowledges that even though he/they may have been assisted in the preparation of the above-numbered application through the courtesy of the employees of the Division of Water Rights, all responsibility for the accuracy of the information contained therein, at the time of filing, rests with the applicant(s).

Alan W. McRae  
Signature of Applicant

STATE ENGINEER'S ENDORSEMENT

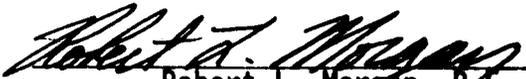
WATER USER'S CLAIM NO. 49 - 1358

APPLICATION NO. T60829

1. April 25, 1985      Application received by LN.
2. May 7, 1985      Application designated for APPROVAL by GBW and SG.

Conditions:

This application is hereby APPROVED, dated May 24, 1985,  
subject to prior rights and this application will expire on May 24, 1986.

  
Robert L. Morgan, P.E.  
State Engineer

May 24, 1985

RECEIVED

MAY 28 1985

DIVISION OF OIL  
GAS & MINING

TEMPORARY

John P. Lockridge  
, UT

Dear Applicant:

RE: TEMPORARY APPLICATION  
NUMBER 49-1358 (T60829)

Enclosed is a copy of approved Temporary Application Number 49-1358 (T60829). This is your authority to construct your works and to divert the water for the uses described.

While this approved application does give you our permission to divert and use water, it does not grant easements through public or private lands in order to gain access to the source nor to convey the water to the place of use, nor does this approval eliminate the need for such other permits as may be required by this Division or any other agency in implementing your diversion.

This application will expire May 24, 1986, and it is expected that no diversion or use of the water will be done after that date unless another proposal has been made and approved.

Your contact with this office, should you need it is with the Area Engineer, Robert Guy. The telephone number is (801)789-3714.

Yours truly,

Robert L. Morgan, P.E.  
State Engineer

RLM:slm

Encl.: Copy of approved Temporary Application



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

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

2. NAME OF OPERATOR  
 JOHN P. LOCKRIDGE OPERATOR, INC.

3. ADDRESS OF OPERATOR  
 1444 WAZEE, SUITE 218, DENVER, CO 80202

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 NW SE (1442' FSL & 1399' FEL) Sec. 31-T6S-R22E, S1M  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 21 mi. SE of Vernal, Utah

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)  
 1198'

16. NO. OF ACRES IN LEASE  
 1250

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 160

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 2200'

19. PROPOSED DEPTH  
 3600'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 4755' Gr.

22. APPROX. DATE WORK WILL START\*  
 6-5-85

RECEIVED  
 JUN 03 1985  
 DIVISION OF OIL  
 GAS & MINING

5. LEASE DESIGNATION AND SERIAL NO.  
 U-38411

6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 --

7. UNIT AGREEMENT NAME  
 --

8. FARM OR LEASE NAME  
 Horseshoe Bend Federal

9. WELL NO.  
 33-31

10. FIELD AND POOL, OR WILDCAT  
 Horseshoe Bend

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

12. COUNTY OR PARISH  
 Uintah

13. STATE  
 Utah

PROPOSED CASING AND CEMENTING PROGRAM

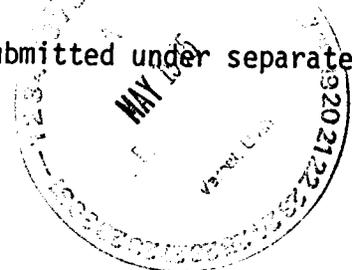
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24.0#	200'	110 sacks
<del>7 7/8"</del>	4 1/2"	9.5#	T.D.	260 sacks
7 7/8"				

Proposal: To drill a test well through the Uinta formation

See Attached:

- 1) Ten-point Drilling Program
- 2) Multipoint Surface Use and Operation Plan.
- 3) cultural Resource Survey Report has been made and will be submitted under separate cover.

Anticipated BHP is 1300 PSI



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 5-8-85  
 (This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
 APPROVED BY [Signature] TITLE DISTRICT MANAGER DATE 5/31/85

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

NOTICE OF APPROVAL

\*See Instructions On Reverse Side

Ut 080-5M-152  
 operator copy #2

CONDITIONS OF APPROVAL FOR NOTICE TO DRILL

Company John P. Lockridge Operator, Inc. Well No. 33-31  
Location Sec. 31 T. 6S R. 22E Lease No. U-38411  
Onsite Inspection Date May 16, 1985

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.

A. DRILLING PROGRAM

1. Estimated Depth at Which Oil, Gas, Water, or Other Mineral Bearing Zones are Expected to be Encountered:

Cementing Program for the production string shall adequately protect any fresh water or valuable hydrocarbon zones encountered while drilling.

Cement for the surface casing shall be brought up to surface.

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

2. Pressure Control Equipment:

An upper kelly cock will be utilized.

Ram-Type preventers shall be tested to 2000 psi.

Annular-Type preventers shall be tested to 1500 psi.

BOP and choke manifold systems will be consistent with API RP 53. 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.

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location during pressure testing.

3. Casing Program and Auxiliary Equipment:

The District Office should be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

4. Mud Program and Circulating Medium:

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program:

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 30 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).

6. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards:

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. The oral report will be followed up with a Sundry Notice.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 3160-6, "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, to the Vernal BLM District Office, 170 South 500 East, Vernal, Utah 84078.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

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 5 days following the date on which the well is placed on production.

Pursuant to NTL-2B, with the approval of the District Engineer, produced water may be temporarily disposed of into unlined pits for a period of up to 90 days. During the period so authorized, an application for approval of the permanent disposal method, along with the required water analysis and other information, must be submitted to the District Engineer.

Pursuant to NTL-4A, lessees or operators are authorized to vent/flare gas during initial well evaluation tests, not exceeding a period of 30 days or the production of 50 MMCF of gas, whichever occurs first. An application must be filed with the District Engineer and approval received, for any venting/flaring of gas beyond the initial 30 day or authorized test period.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in 43 CFR 3162.7 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

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

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.

Pursuant to Onshore Oil and Gas Order No. 1, lessees and operators have the responsibility to see that their exploration, development, production, and construction operations are conducted in a manner which conforms with applicable Federal laws and regulations and with State and local laws and regulations to the extent that such State and local laws are applicable to operations on Federal or Indian lands.

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

B. THIRTEEN POINT SURFACE USE PLAN

1. 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.

Presently no tank batteries are anticipated for the location.

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 downstream of 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.

2. Source of Construction Material:

The use of materials under BLM jurisdiction will conform to 43 CFR 3160.2-3.

3. Methods of Handling Waste Disposal:

The reserve pit will not be lined.

Burning will not be allowed.

Produced waste water will be confined to an unlined 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.

4. Well Site Layout: The reserve pit will be located as indicated in the APD. The top 4" of topsoil will be stockpiled.

The stockpiled topsoil will be stored as indicated in the APD.

Access to the well pad will be as indicated in the APD. One large low water crossing will be needed for an existing road.

Two existing gas flowlines pass about 50 feet north of the proposed pad.

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

5. 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. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed.

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.

Seed will be broadcast or drilled at a time specified by the BLM. If broadcast, a harrow or some other implement will be dragged over the seeded area to assure seed coverage.

6. Other Information:

There will be no deviation from the proposed drilling and/or work-over 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 suitable resource clearance has been received for the project. If any cultural resources are found during construction, all work will stop and the AO will be notified.

This 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 operations.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI  
(Other instructions re-  
verse side)

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

SUNDRY NOTICES AND REPORTS **BEWELL**

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

5. LEASE DESIGNATION AND SERIAL NO.  
U-38411  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
-----  
7. UNIT AGREEMENT NAME  
-----  
8. FARM OR LEASE NAME  
Horseshoe Bend Federal  
9. WELL NO.  
33-31  
10. FIELD AND POOL, OR WILDCAT  
Wildcat  
11. SEC., T., R., M., OR BLM, AND SURVEY OR AREA  
31-T6S-R22E  
12. COUNTY OR PARISH  
Uintah  
13. STATE  
Utah

1. OIL WELL  GAS WELL  OTHER  
2. NAME OF OPERATOR  
John P. Lockridge Operator, Inc. DIVISION  
GAS & MINERAL  
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.\*  
See also space 17 below.)  
At surface  
NW SE Section 31-T6S-R22E  
14. PERMIT NO.  
43-047-31625  
15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
4755' Gr.

JUN 20 1985

10

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 checked="" 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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

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

Drilling of the subject well was commenced 6/3/85. Drilled 12 1/2" hole to 232' KB with spudder rig. Ran 5 joints, 8 5/8", 24# new casing. Set at 222' KB. Cemented with 120 sacks, regular, type H cement with 3% CaCl. Good circulation. Plug down at 8:15 pm, 6/3/85.

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

SIGNED John P. Lockridge TITLE President DATE 6/4/85  
John P. Lockridge  
(This space for Federal or State office use)

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

\*See Instructions on Reverse Side

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



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

RECEIVED OCT 15 1985

October 10, 1985

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

Gentlemen:

Re: Well No. Horseshoe Bend Federal 33-31 - Sec. 31, T. 6S., R. 22E.,  
Uintah County, Utah - API #43-047-31625

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

Enclosed are forms for your convenience in filing the necessary reports as soon as possible but no later than October 24, 1985.

Thank you for your cooperation in this matter.

Sincerely,

Pam Kenna  
Well Records Specialist

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

0170S/61

10/15/85  
The #33-31 Horseshoe Bend  
Federal was plugged 7/23/85  
Dry & completion reports  
previously submitted to  
State & B.M. Copies attached.  
Please call with any  
questions. 303/628-9371

(November 1983)  
(Formerly 9-331)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUMMARY AND AREA (Other instructions  
verse side)

Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-38411

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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7. UNIT AGREEMENT NAME

-----

8. FARM OR LEASE NAME

Horseshoe Bend Federal

9. WELL NO.

33-31

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR B.L.K. AND  
SURVEY OR AREA

31-T6S-R22E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

RECEIVED

OCT 17 1985

DIVISION OF OIL  
AND MINING

1. OIL WELL  GAS WELL  OTHER  Dry Hole

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.\*  
See also space 17 below.)  
At surface  
NW SE Section 31-T6S-R22E, SLM

14. PERMIT NO. 43-047-31625

15. ELEVATIONS (Show whether DF, RT, OR, etc.)  
4755' Gr.

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"/>	PCLL 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 checked="" type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	

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

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

Work done on 7/23/85 as follows:

Plug on top of cast iron bridge plug from 3047-2985' with 5 sacks, Type H, regular cement.

Plug from 270-170' with 25 sacks, Type H, regular cement.

Plug from 325' to surface with 30 sacks, Type H, regular cement.

Plugging orders received from Gerald Kenczka at 4:00 PM, 7/22/85.

Plugging and abandonment witnessed by Gerald Kenczka, BLM.

ACCEPTED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING  
DATE: 10/18/85  
BY: *John R. Bryan*

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

SIGNED *John P. Lockridge* TITLE President DATE 7/24/85

(This space for Federal or State office use)

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

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

FORM APPROVED  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO. **U-38411**

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

7. UNIT AGREEMENT NAME  
-----

8. FARM OR LEASE NAME  
**Horseshoe Bend Federal**

9. WELL NO.  
**33-31**

10. FIELD AND POOL, OR WILDCAT  
**Wildcat Horseshoe Bend**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**31-T6S-R22E**

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  OTHER

**RECEIVED**

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. ENHVR.  Other \_\_\_\_\_

**OCT 17 1985**

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

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

**DIVISION OF OIL & GAS MINING**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
At surface **NW SE Section 31-T6S-R22E, SLM**  
At top prod. interval reported below **1442 FSL 1399 FEL**  
At total depth \_\_\_\_\_

12. COUNTY OR PARISH  
**Uintah**

13. STATE  
**Utah**

14. PERMIT NO. **43-047-31625**

DATE ISSUED **5/31/85**

15. DATE SPUNDED **6/2/85**

16. DATE T.D. REACHED **6/8/85**

17. DATE COMPL. (Ready to prod.) **7/23/85**

18. ELEVATIONS (DP, RND, RT, GR, ETC.)\* **4755' Gr**

19. ELEV. CASINGHEAD  
-----

20. TOTAL DEPTH, MD & TVD **3450'**

21. PLUG, BACK T.D., MD & TVD  
-----

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)\*  
**None**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**Schlumberger OIL, FDCN with GR, Microlog and RET**

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#	232' KB	12 1/2"	120 sacks	
4 1/2"	10.5#	3405.83'	7 7/8"	350 sacks	

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

**3086-92', 3 1/8" casing gun, 2 shots/ft. 13 holes**

**3065' 3 1/8" csg. gun, 2 holes, 3" apt.**

**3086-92', 3 1/8" csg. gun, 2 shots/ft. 13 holes**

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3086-92'	1500 gals, 7.5% acid
3065'	150 sacks, cement squeeze
3086-92'	500 gals, 7.5% acid

33. PRODUCTION

DATE FIRST PRODUCTION \_\_\_\_\_

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) \_\_\_\_\_

WELL STATUS (Producing or shut-in) **RTA**

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO

FLOW, TUBING PRESS. \_\_\_\_\_ CASING PRESSURE \_\_\_\_\_ CALCULATED 24-HOUR RATE \_\_\_\_\_

OIL—BSL. \_\_\_\_\_ GAS—MCF. \_\_\_\_\_ WATER—BSL. \_\_\_\_\_ OIL GRAVITY-API (CORR.) \_\_\_\_\_

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

TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
**Well History. Logs submitted directly by Schlumberger.**

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 \_\_\_\_\_ DATE \_\_\_\_\_

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

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Uinta "B"	2818'	TD	Thin sandstones. Norcores or drill stem tests.	Uinta "B"	2818'	

RECEIVED  
OCT 17 1985  
DIVISION OF OIL  
GAS & MINING



December 3, 1999

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

**Attention: Ed Forsman/Wayne Bankert/Greg Darlington:**

Gentlemen:

Enclosed is the original and one copy of the Sundry Notice and Reports, Well Completion or Recompletion Reports, etc. for the week ending December 3, 1999.

If you should have any questions or need additional information, please do not hesitate to call me (435)-781-7024.

Sincerely,

  
Sheria Upchego  
Environmental Jr. Analyst

CC: Ute Indian Tribe E & M Resource Dept.  
Ferron Secakuku  
P.O. Box 70  
Fort Duchesne, Utah 84026

Bureau of Indian Affairs  
Uintah & Ouray Agency  
Attention: Charlie Cameron  
Office of Mineral & Mining  
P.O. Box 130  
Fort Duchesne, Utah 84026

State of Utah  
Division of Oil & Gas & Mining  
Attention: Lisha Cordova  
1594 West North Temple, Suite 1210  
Salt Lake City, Utah 84114

RECEIVED  
DEC - 7 1999  
DIVISION OF OIL, GAS & MINING

**Coastal Oil & Gas Corporation**

A SUBSIDIARY OF THE COASTAL CORPORATION  
1368 S 1200 E • P.O. BOX 1148 • VERNAL UT 84078 • 435/789-4433 • FAX 435/789-4436

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
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.  
N/A

6. If Indian, Allottee or Tribe Name  
N/A

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

8. Well Name and No.  
N/A

9. API Well No.  
N/A

10. Field and Pool, or Exploratory Area  
Horseshoe Bend

11. County or Parish, State  
Uintah County Utah

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

1. Type of Well  
 Oil Well  Gas Well  Other **Slug Catcher**

2. Name of Operator  
 Coastal Oil & Gas Corporation

3a. Address  
 P.O. Box 1148, Vernal UT 84078

3b. Phone No. (include area code)  
 (435)-781-7023

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
 SESW Sec.31, T6S, R22E

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

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

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion 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 final site is ready for final inspection.)

Coastal Oil & Gas Corporation requests authorization to install a Slug Catcher to the existing 6" above ground pipeline into a 100 Bbl holding tank in order to remove fluid from the pipeline and allow gas to flow on an incline unimpeded.

The proposed Slug Catcher will access from the existing pipeline.  
 The Slug Catcher will be a 12" pipe x 20' long, buried, and will have an automatic dump.

Please refer to the attached map.

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

**RECEIVED  
DEC - 7 1999  
DIVISION OF OIL, GAS & MINING**

**COPY SENT TO OPERATOR**  
 Date: 12-8-99  
 Initials: CHD

14. I hereby certify that the foregoing is true and correct  
 Name (Printed/Typed) Sheila Upchego  
 Title Environmental Jr. Analyst  
 Date 12/2/99

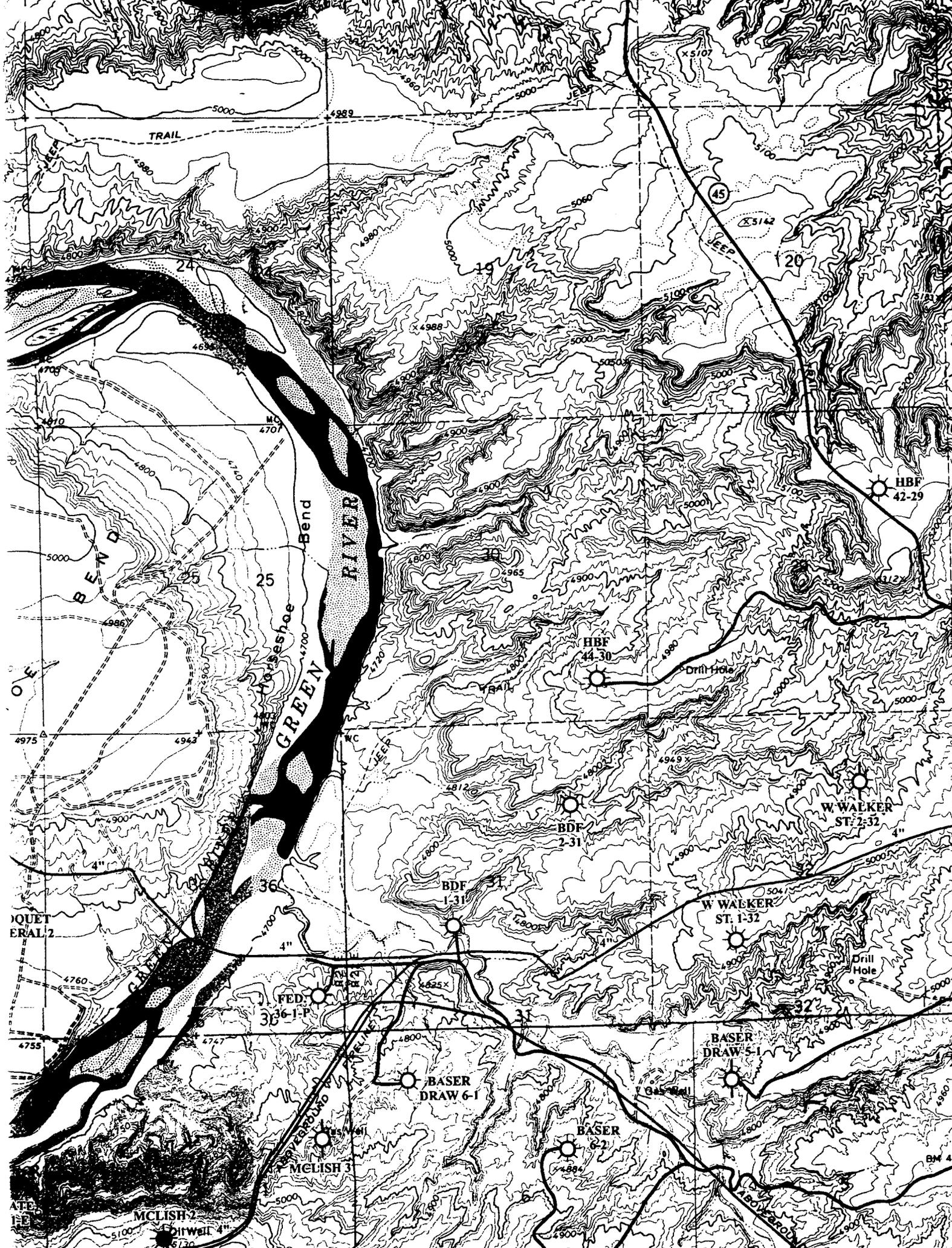
*Sheila Upchego*

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

Approved by \_\_\_\_\_ Title Field Approval of this Date \_\_\_\_\_  
 Office Action is Necessary

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.

Title 18 U.S.C. Section 1001, and Title 43 U.S.C. Section 1212, 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.



TRAIL

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HBF 42-29

HBF 44-30

BDF 2-31

BDF 1-31

W WALKER ST. 2-32

W WALKER ST. 1-32

BASER DRAW 6-1

BASER 6-2

MCLISH 3

MCLISH 2

BASER DRAW 5-1

BM 499

QUET ERAL 2

ATE HE