

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

W. S. SENE'S
SUBMIT IN DUPLICATE*
(Other instructions on reverse side)

5. Lease Designation and Serial No.

ML 27532 (W 1/2 S 1/2 NE 1/4)

6. If Indian, Allottee or Tribe Name

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL

DEEPEN

PLUG BACK

7. Unit Agreement Name

b. Type of Well

8. Farm or Lease Name

Oil Well

Gas Well

Other

Single Zone

Multiple Zone

~~Bogart Canyon Unit State~~

2. Name of Operator

Tenneco Oil Company

9. Well No.

14-4

3. Address of Operator

P.O. Box 3249, Englewood, Colorado 80155

10. Field and Pool or Wildcat

Entrada Test

4. Location of Well (Report location clearly and in accordance with any State requirements.)*
At surface

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 14, T19S, R20E

At proposed prod. zone

1187.3 FNL, ~~731.7 FNL~~

(732' FNL)

NW NW

14. Distance in miles and direction from nearest town or post office*

12. County or Parrish 13. State

Grand

Utah

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. line, if any)

731.7'

16. No. of acres in lease

2280.0

17. No. of acres assigned to this well

360

18. Distance from proposed location* to nearest well, drilling, completed, or applied for, on this lease, ft.

19. Proposed depth

8500'

Entrada

20. Rotary or cable tools

Rotary

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

22. Approx. date work will start*

8619' GR

ASAP to build

23. PROPOSED CASING AND CEMENTING PROGRAM

drill spring 1981

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4"	9 5/8"	36# K55	±1000	Circulate to surface
8 3/4"	7"	23# K55	±4100	Circulate to surface
6 1/4"	4 1/2"	11.6# L-80	±8500	Cover all productive zones

Set 2 joints 14' casing as conductor (±80').

This location is to be built October 1980 and drilled as early in the spring as possible. Please expedite.

See attached.

APPROVED BY THE DIVISION OF OIL, GAS, AND MINING

DATE: 10/24/80

BY: [Signature]

RECEIVED

OCT 27 1980

DIVISION OF OIL, GAS & MINING

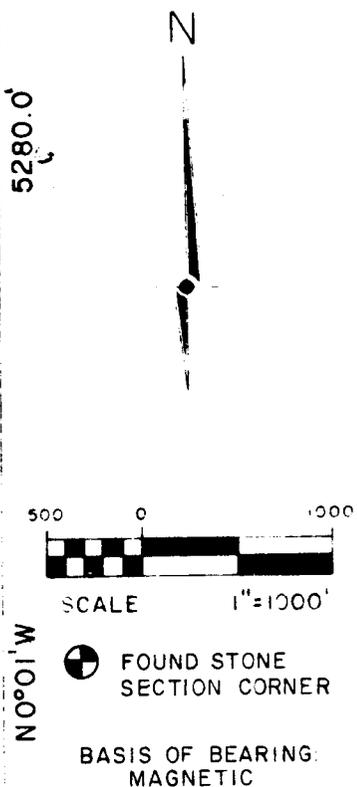
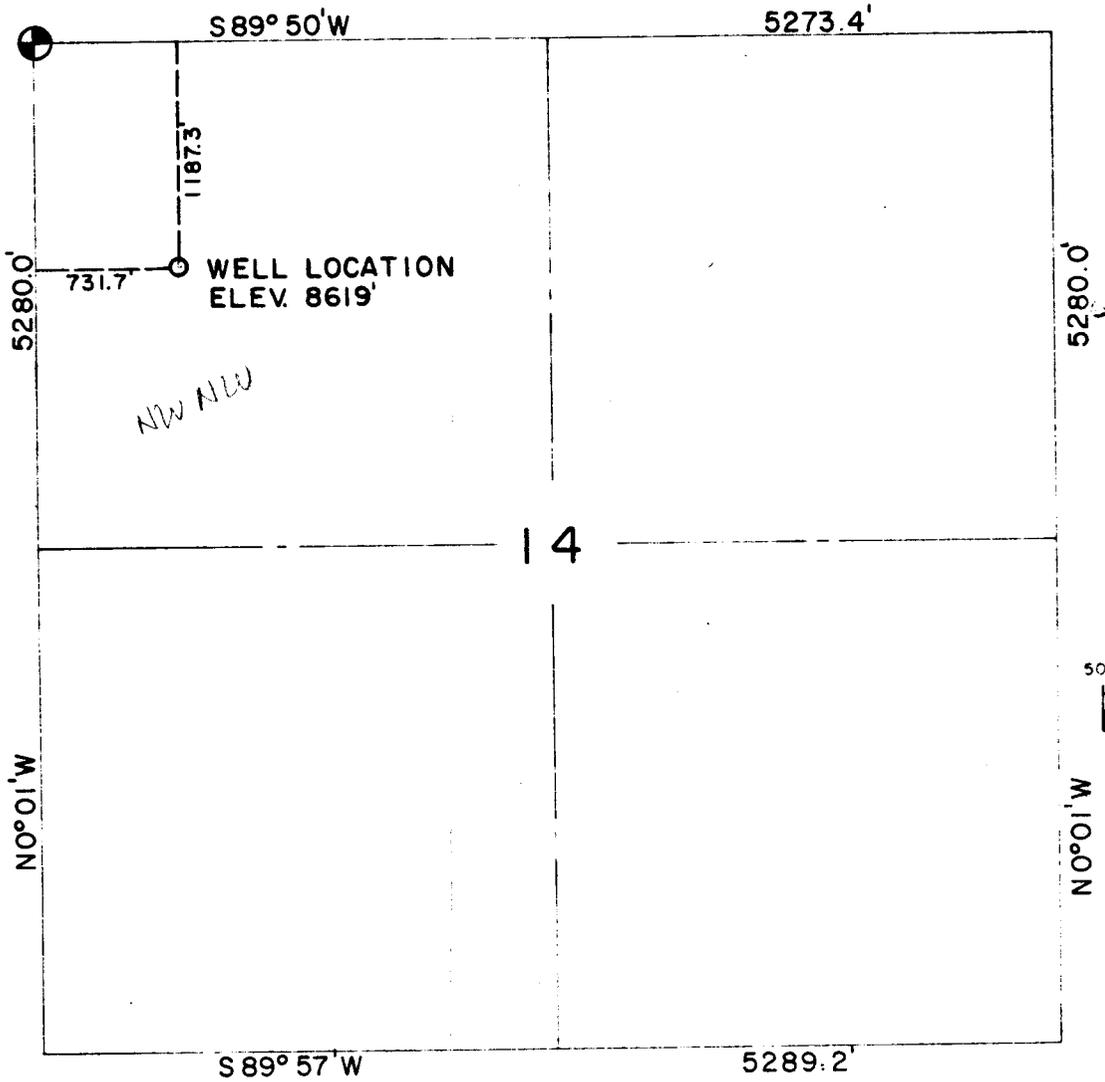
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Signed [Signature] M. L. Freeman Title Staff Production Analyst Date October 15, 1980

(This space for Federal or State office use)

Permit No. Approval Date

Approved by Title Date
Conditions of approval, if any:



WELL LOCATION
 1187.3 FT. S. N. L. - 731.7 FT. E. W. L.
 SECTION 14, T. 19S., R. 20E., SLB & M
 GRAND COUNTY, UTAH

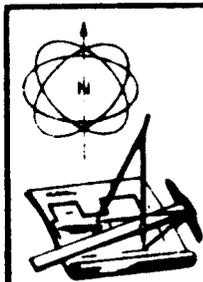
SURVEYOR'S CERTIFICATE

I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

Edward A. Armstrong
 EDWARD A. ARMSTRONG PE & LS 4464



REVISED LOCATION 9-30-80



ARMSTRONG ENGINEERS and ASSOCIATES, INC. ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING 861 ROOD AVENUE GRAND JUNCTION, COLORADO 81501 (303) 245-3861	
SCALE 1" = 1000'	TENNECO OIL
DATE 9/17/80	TENNECO STATE 14-4
CHECKED BY DRS	SHEET 1 of 1
DATE OF SURVEY 9/12/80	
JOB NUMBER 802997	

TENNECO OIL COMPANY - 10 POINT PLAN

1. The geological name of the surface formation: Green River
- 2 & 3. Estimated Formation Tops:

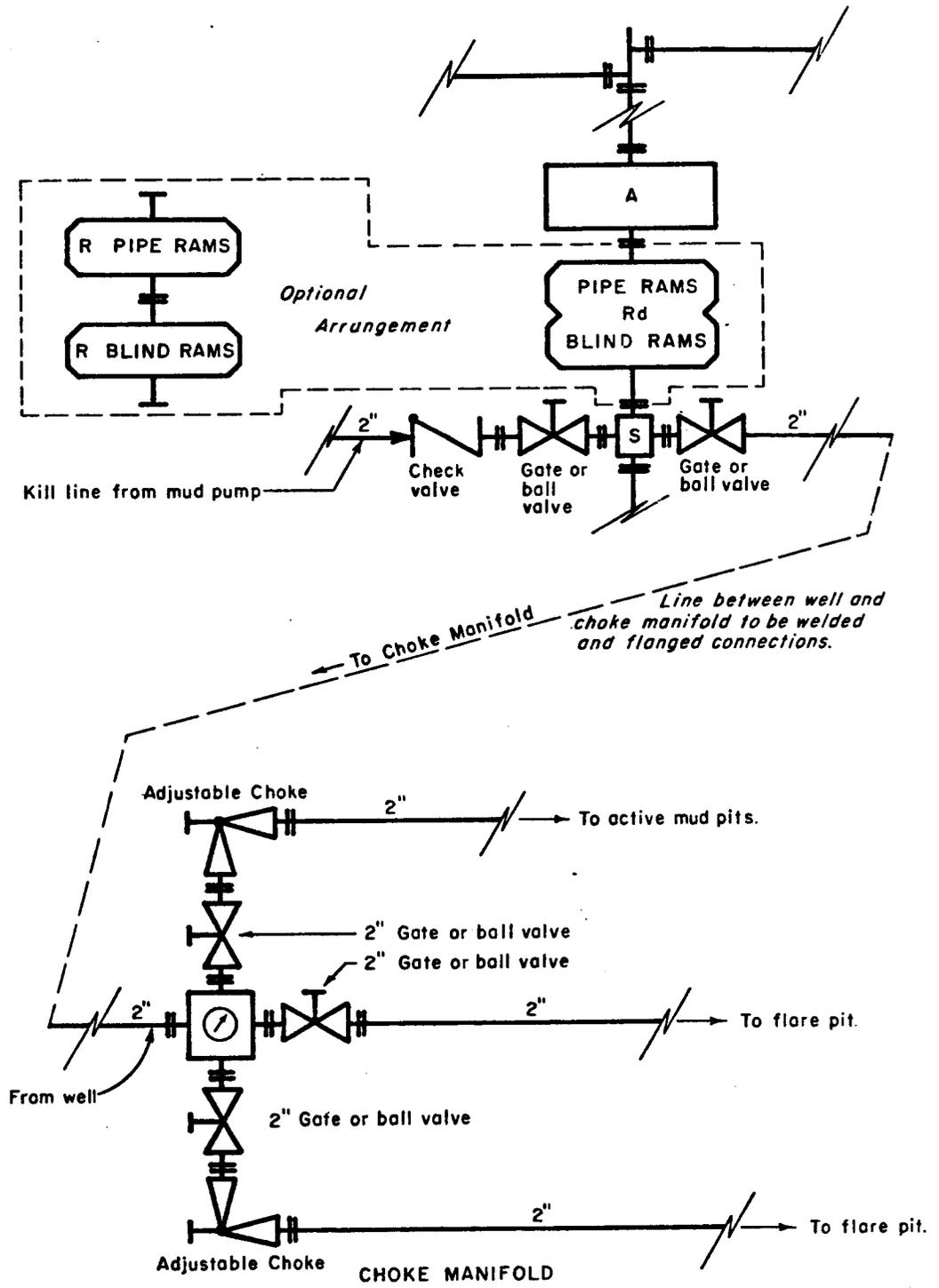
(See Attached Drilling Procedure)
4. Proposed Casing Program:

(See Attached Drilling Procedure)
5. Blowout Preventors:
Hydraulic double ram. One set of rams will be provided each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2". BOP's, drills and tests will be recorded in the driller's log. BOP will be tested every 24 hours and recorded in IADC Log.
6. Mud Program: (Sufficient quantity of mud and weight material will be available on location).

(See Attached Drilling Procedure.)
7. Auxiliary Equipment:
 - a. Kelly cock will be in use at all times.
 - b. Stabbing valve to fit drill pipe will be present on floor at all times.
 - c. Mud monitoring will be visual. No abnormal pressures are anticipated.
 - d. Floats at bits.
 - e. Drill string safety valve(s) to fit all pipe in drill string will be maintained on the rig floor while drilling operations are in progress.
8. Coring, Logging, and Testing Program:

(See Attached Drilling Procedure)
9. No abnormal pressures, temperatures or potential hazards such as H₂S are expected to be encountered.
10. The drilling of this well will start approximately (ASAP) and continue for 10 to 12 days.

Your office will be notified of spudding in sufficient time to witness cementing operations. Immediate notice will be given on blowouts, fires, spills, and accidents involving life threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plugging operations, plug back work, casing repair work or corrective cementing operations.



- All equipment to be 3,000 psi working pressure except as noted.
- Rd Double ram type preventer with two sets of rams.
 - R Single ram type preventer with one set of rams.
 - S Drilling spool with side outlet connections for choke and kill lines.
 - A Annular type blowout preventer.

ARRANGEMENT B

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION

REQUIRED MINIMUM
BLOWOUT PREVENTER AND
CHOKE MANIFOLD

J. MAGILL 10-26-79 EVI

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
PENTHOUSE, 720 SOUTH COLORADO BOULEVARD
DENVER, COLORADO 80222

DRILLING PROCEDURE

DATE: October 8, 1980

LEASE: Tenneco State

WELL NO.: 14-4

LOCATION: 1187.3' FNL, 731.7' FWL
Sec. 14, T19S, R20E
Grand County, Utah

FIELD: Wildcat

ELEVATION: 8619'

TOTAL DEPTH: 8500'

PROJECTED HORIZON: Entrada (Jurassic)

SUBMITTED BY: Billy Harris DATE: October 8, 1980

APPROVED BY: Tom Dunning DATE: 10/9/80

CC: Administration
DSB Well File
Field File

ESTIMATED FORMATION TOPS

Green River	Surface
Wasatch	699'
Mesaverde	1969'
Mancos	3599'
Castlegate	3889'
Frontier	7119'
Dakota Silt	7369'
Dakota	7529'
Morrison	7649'
Salt Wash	8019'
Entrada	8359'
T.D.	8500'

DRILLING, CASING AND CEMENTING PROGRAM

1. MIRURT.
2. Set 2 joints of 14" casing @ $\pm 80'$ to be used as conductor pipe.
3. Drill a 12 1/4" hole to $\pm 1000'$ or 300' into the Wasatch Form with mud.
4. RU and run 9 5/8", 36#, K-55, STC casing to TD. Cement with sufficient volume to circulate cement to surface.
5. Install 9 5/8", 8rd x 11-5000# casing head and NU rotating head and blooie line.
6. Drill an 8 3/4 hole to $\pm 4100'$ or 200' into the Castlegate Form with air or mist.
7. Log well as requested by Wellsite Geologist.
8. RU and run 7", 10.5#, K-55, STC casing to TD. Cement with sufficient volume to circulate cement to surface.
9. WOC. TIH with 6 1/4" Bit. Drill out cement and guide shoe. Drill 6 1/4" hole to TD with air or msit.
10. Log well as requested by Wellsite Geologist.
11. If productive, RU and run 4 1/2", 11.6#, L-80 LTC casing to TD. Cement with sufficient volume to cover all possible productive zones.
12. If well is non-productive, P & A as per appropriate regulatory agency specifications.

CASING PROGRAM

Conductor	$\pm 80'$ (2 Jts.) 14"
Surface	$\pm 1000'$, 9 5/8", 36#, K-55, STC
Intermediate	$\pm 4100'$, 7", 23#, K-55, STC
Production	8500', 4 1/2", 11.6#, L-80, LTC

REPORTS

Drilling reports for the past 24 hours will include depth, footage, time distribution, activity breakdown, mud properties, bit record, bottom hole assembly, daily and cumulative mud costs, plus any other pertinent information, will be called into Tenneco Oil Company, Denver, Colorado, between 7:30 a.m. and 8:00 a.m.

1. 303-758-7130 (Office) Don Barnes
303-758-7287 (Office) Don Barnes' private line, Monday-Friday (before 7:45 a.m.)
303-936-0704 (Home) Don Barnes, weekends and holidays.
2. John Owen (Home) 303-795-0221

The yellow sheet of the IADC Report is to be filled out completely. The original copy of the drilling time recorder, and copies of any invoices from this well, signed and received for Tenneco Oil Company, will be mailed daily to:

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
PENTHOUSE, 720 SOUTH COLORADO BOULEVARD
DENVER, COLORADO 80222

ATTENTION: Drilling Department

IN CASE OF EMERGENCY, NOTIFY THE FOLLOWING:

1. Mr. Don Barnes, Division Drilling Engineer.
2. Mr. John W. Owen, Project Drilling Engineer.
3. Mr. Mike Lacey, Division Production Manager (Home 303-979-0509).

** FILE NOTATIONS **

DATE: October 21, 1980
OPERATOR: Jenneco Oil Company
WELL NO: State 14-4
Location: Sec. 14 T. 19S R. 20E County: Grand

File Prepared: Entered on N.I.D:
Card Indexed: Completion Sheet:

API Number 43-019-30734

CHECKED BY:

Petroleum Engineer: _____

Director: _____

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: Survey Plat Required:
Order No. _____ O.K. Rule C-3
Rule C-3(c), Topographic Exception - company owns or controls acreage
within a 660' radius of proposed site
Lease Designation ST Plotted on Map
Approval Letter Written
Hot Line P.I.

October 27, 1980

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. State 14-4
Sec. 14, T. 19S, R. 20E,
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

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

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

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (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 43-019-30734.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

[Handwritten signature]
Cleon B. Feight
Director

/ka
cc: Donald Prince

**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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1187' FNL 731' FWL
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 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"/>		<input type="checkbox"/>

5. LEASE
ML-27532

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bogart Canyon Unit State

9. WELL NO.
14-4

10. FIELD OR WILDCAT NAME
Entrada TEst

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 14, T19S R20E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
8619' gr.

RECEIVED
OCT 11 1981

(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.)*

8/29/81 - MIRURT. Spud well on 8/28/81 w/Brinkerhoff Signal #32.
9/7/81 - Ran 65 jts 9-5/8" 36# K-55 ST&C csg set @ 2588'.
9/8/81 - Cmt csg w/500 sx 65/35 POZ mix, 6% gel, 5#/sx gilsonite, 1/4#/sx celloflake. Tail w/150sx C1-G 2% CACL2, 1/4#/sx celloflake. Circ cmt to surface. NUBOE. Test to 1000 psi. Ok.

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

18. I hereby certify that the foregoing is true and correct
SIGNED David M. Kane TITLE Production Analyst DATE 9/11/81

(This space for Federal or State office use)

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

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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1187' FNL 731' FWL
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 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"/>		<input type="checkbox"/>

5. LEASE
MI-27532

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bogart Canyon Unit State

9. WELL NO.
14-4

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 14, T19S R20E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
8619' gr.

(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.)*

9/14/81 - Drill to 4127'. Communication between 20" and 9-5/8" annulus. Dump 20 sx redimx down 9-5/8" - 20" annulus. Pumped 115 sx Cl-B w/2% CACL2 down annulus @ 17'. Good circ, cmt back to surface.

9/19/81 - Ran 119 jts 7" 23# K-55 ST&C csg. Set @ 4692'. Cmt w/400 sx 65/35 POZ, 6% gel, 1/4#/sx flocele, 2% CACL2. No circ throughout job. Bradenhead squeeze w/150 sx Cl-B. Hesitate and pump 150 sx Cl-B on vaccum at end of job.

9/20/81 - Ran CBL from 4612' to surface. 3560' to TD good bond. 1000-1200' 50% bond. Could not pump into annulus. Hole full.

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

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

SIGNED David M. [Signature] TITLE Production Analyst DATE 9/23/81

(This space for Federal or State office use)

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

**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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1187' FNL 731' FWL
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 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* (other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE
ML-27532

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bogart Canyon Unit State

9. WELL NO.
14-4

10. FIELD OR WILDCAT NAME
Entrada TEST

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 14, T19S R20E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
8619' 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.)*

10/1/81 - TIH open ended to 6790'. Set 50 sx C1-G neat. Set plug #2 w/100 sx C1-G w/.5% CACL2. Circ top @ 4600' PBTB.
10/2/81 - Unload hole @ 3997'. Tag cmt @ 4720' Drlg cmt.

RECORDED
OCT 21 1981
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 Amanda J. Terson TITLE Production Analyst DATE 10/16/81

(This space for Federal or State office use)

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

**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.)

oil well gas well other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 81055

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1187' FNL 731' FWL
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 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 ML-27532	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
7. UNIT AGREEMENT NAME	
8. FARM OR LEASE NAME Bogart Canyon Unit State	
9. WELL NO. 14-4	
10. FIELD OR WILDCAT NAME Entrada Test	
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14, T19S R20E	
12. COUNTY OR PARISH Grand	13. STATE Utah
14. API NO.	
15. ELEVATIONS (SHOW DF, KDB, AND WD) 8619' 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.)*

10/4/81 - Tag cmt @ 4940'. Circ. Drlg. Survey.
10/21/81 - TIH open ended to 8158'. Spot 200 sxs 10-0 RFC cmt and 5#/sx Kolite and 1/4#/sx celloflake. WOC.
10/22/81 - Drill out cmt to 8100'. Log.
10/24/81 - TIH open ended. Cmt w/100 sx G&S #/sx Koalite and 1/4#/sx celloflake.
10/25/81 - Run 276 jts (8170) of 4-1/2" 12.6# N-8D ltc csg. set @ 8157'. Cmt w/300 sx 10-0 RFC and 1% D-13 and .75% D-65. RDMORT.

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

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

SIGNED Sandra Peron TITLE Production Analyst DATE 10/28/81

(This space for Federal or State office use)

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

**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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1187' FNL 731' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
ML-27532

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bogart Canyon Unit State

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10. FIELD OR WILDCAT NAME
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11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 14, T19S R20E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
8619' gr.

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)

SUBSEQUENT REPORT OF:

RECEIVED
NOV 23 1981

(Not to 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.)*

10/31/81 - MIRUSU
11/1/81 - Ran GR/CBL/CCL TOC @ 7954'.
11/4/81 - Perf 4 holes for 7590-7593'.
11/6/81 - Ran CBL/VDL/CCL TOC @ 6426.
11/7/81 - Perf 7394-7404' (10' - 20 holes). Acidize w/500 gals 15% HCL w/600# NACL/1000 gal. Blocked w/30 1.1 SG slr balls. Started swbg.
11/11/81 - Flwg to CU.
11/12/81 - MIRUSU. Killed well w/2% KCL water. NDWH. NUBOP.

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

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

SIGNED Sandra Peron TITLE Production Analyst DATE 11/13/81

(This space for Federal or State office use)

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

DIVISION OF OIL, GAS AND MINING

PLUGGING PROGRAM

NAME OF COMPANY: Tenneco Oil Company Frank Weiss - 303-740-4800

WELL NAME: State 14-4

SECTION 14 TOWNSHIP 19S RANGE 20E COUNTY Grand

VERBAL APPROVAL GIVEN TO PLUG AND ABOVE REFERRED TO WELL IN THE FOLLOWING MANNER:

TOTAL DEPTH: 8175' 8097'

CASING PROGRAM:

- 9 5/8" @ 2588' cemented to surf.
- 7 @ 4692' cemented to surf.
- 4 1/2" @ 8157' (TOC 7600')
- Perf. 7590' - 7593' plugged to 6430', squeeze perf.
- Perf. 7290' - 7325'

FORMATION TOPS:

Wasatch	surface
Mesaverde	1,297'
Castlegate	2,564'
Mancos	4,263'
Mancos B	5,080'
Dakota Silt	7,073'
Dakota	7,184'
Morrison	7,439' - TD

No DST, cores, water, 7394' - 7404' (400mcf/D) then to water.

PLUGS SET AS FOLLOWS:

1. 7380' set mod. D packer
2. 7190' cnt. rtr. squeeze 75 sx cement.
3. Free point & part casing at 6430+ cntr. 100' plug across casing stub
4. 5180' - 5080'
5. 4790' - 4590'
6. 4260' - 4160'
7. 3570' - 3470'
8. 1300' - 1200'
9. 100' - surface

The interval between plugs shall be filled with a 9.2#, 50 vis. fresh water gel based mud; erect regulation dryhole marker; clean up, grade and restore the location; and notify this Division when the location is prepared for inspection.

DATE December 17, 1981

SIGNED MTM

W. J. Munder

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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P.O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1187' FNL, 731' FWL
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)

SUBSEQUENT REPORT OF:

5. LEASE
ML-27532

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Boqart Canyon Unit State

9. WELL NO.
14-4

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 14, T19S, R20E

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

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
8619' gr.

RECEIVED
DEC 21 1981

(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 a beginning 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.)*

11/14/81 - Perf'd 7290-7325 (35'-35 holes). Acidized w/1500 gals 15% HCL w/600# NACL/10 gal and 52 1.1 SG ball slrs. Swabbing.

11/18/81 - RIH w/2-3/8" tbg. Landed tbg in 10,000# compression in Model D pkr @ 7380'. NDBOP, NUWH.

11/19/81 - RDMOSU.

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

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

SIGNED *Spencer Person* TITLE Production Analyst DATE 12/15/81

(This space for Federal or State office use)

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

SUBMIT IN DUPLICATE*

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION

(See other instructions on reverse side)

4

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

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

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other P & A'd

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1187' FNL 732' FWL **NWNW**
At top prod. interval reported below
At total depth

5. LEASE DESIGNATION AND SERIAL NO.
ML-27532

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bogart Canyon Unit State

9. WELL NO.
14-4

10. FIELD AND POOL, OR WILDCAT
Entrada East Wildcat

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

Sec. 14, T19S R20E

14. PERMIT NO. 43-019-30734 DATE ISSUED 10-24-80

12. COUNTY OR PARISH Grand 13. STATE Utah

15. DATE SPUDDED 8/28/81 16. DATE T.D. REACHED 10/21/81 17. DATE COMPL. (Ready to prod.) 12/21/81 18. ELEVATIONS (DF, RKB, RT GR, ETC.)* 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 8175' 21. PLUG, BACK T.D., MD & TVD 7514' 22. IF MULTIPLE HOLES, HOW MANY DRILLED 1 23. ROTARY TOOLS - TD CABLE TOOLS -

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* DEC 28 1981 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN GR, CBL, CCL, VDL 27. WAS WELL CORED No

DIVISION OF OIL, GAS & MINING

28. CASING RECORD (Report all casing used in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	36#	2588'	12-1/4"	500sx 65/35 POZ mix w/additives; 150sx Cl-G w/additives	
7"	23#	4692'	8-3/4"	400sx 65/35 POZ w/additives	
4-1/2"	12.6#	8157'	6-1/4"	300sx 10-0 RFC w/additives	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	7380'	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	HOLES	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7290-7325'	35' - 35 holes		Bradenhead squeez w/150sx Cl-B
7590-7593'	4 holes		Acidized w/1500 gals 15% HCL
7394-7404'	10' - 20 holes		w/600# NaCl/100 gal & 52 l.l SG ball slrs. Acid w/500 gals

33.* PRODUCTION 15% HCL w/600# NaCl/1000 gal block w.30 l.l.
DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) SG slrs ball.

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

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

35. LIST OF ATTACHMENTS _____

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Saundra Peron TITLE Production Analyst DATE 12/22/81

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

**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
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1187' FNL 731' FWL
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 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
ML-27532

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bogart Canyon Unit State

9. WELL NO.
14-4

10. FIELD OR WILDCAT NAME
Entrada Test

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 14, T19S R20E

12. COUNTY OR PARISH
Grand

13. STATE
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
8619' 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.)*

12/19/81 - MIRUSU, POOH w/7-3/8" tbg.
 12/20/81 - RIH w/cmt retainer on 2-3/8" tbg. Set retainer @ 7202'. Load annulus w/wtr. PT backside to 500 PSI. PU on tbg and PT to 1500 PSI. Pull out of retainer and establish reverse circulation. Stung back into retainer & estab PMP in rate of 2 BPM @ 500 PSI. Squeezed perfs 7290-7325', 7394-7404' w/75 sx C1-G cmt. Stung out of retainer w/l bbl cmt left in tbg and 1500 PSI. Displaced hole w/9.2# gal fresh wtr. POOH w/2-3/8" tbg. Remove BOP and csg spool.
 12/21/81 - PU 4-1/2" csg spear and remove slips. Ran csg freepoint. Csg free @ 4846', RIH w/chemical cutter. Cut csg @ 4846'. POOH, LD 4853 of 4-1/2" 12.6# N-80 tbg. RIH w/2-3/8" tbg, begin spotting plugs.
 12/22/81 - RIH w.tbgs to 4849'. Set cmt plugs as follows:
 4849-4489', 4273-4173' top of Mancos B, 357-3470' top of Castlegate, 130-1200' top of Mesaverde, 128' surface.

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

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

SIGNED Saundra Peron TITLE Production Analyst DATE 12-31-81
Saundra Peron

(This space for Federal or State office use)

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



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 13, 1982

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. Rattlesnake Canyon Unit #2-12
Sec. 2, T. 19S, R. 19E
Grand County, Utah

Well No. State #14-4
Sec. 14, T. 19S, R. 20E
Grand County, Utah

Well No. Long Canyon State #16-4
Sec. 16, T. 19S, R. 23E
Grand County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office December 17, 1981, from above referred to wells, indicates the following electric logs were run: Sonic, CBL, DI-- #14-4, GR, CBL, CCL, VDL-- #16-4, CBL, GR, DI-SFL. As of today's date, this office has not received these logs: #2-12, CBL-- #14-4, CBL, CCL, VDL-- #16-4. CBL.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requires that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

A handwritten signature in cursive script that reads "Cari Furse".

Cari Furse
Clerk Typist

JOHN P. LOCKRIDGE
PETROLEUM GEOLOGIST

RECEIVED
SEP 08 1983

September 6, 1983

**DIVISION OF
OIL, GAS & MINING**

Mr. Ronald J. Firth
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Application for Permit to Drill (Re-entry)
Lockridge et al #14-4 State
NW NW Section 14-T19S-R20E
Grand County, Utah

Gentlemen:

We plan to re-enter the subject well to evaluate the production potential of several shallow sandstones. The following items are enclosed:

- 1) Application for Permit to Drill (Re-entry)
- 2) Copy of original survey plat
- 3) \$10,000 Bond - Form OGC 2
- 4) Designation of Agent

A site evaluation was conducted with Paul Pratt of the Moab office of the Department of Lands and Forestry on Monday, August 29, 1983. It is my understanding a bond will be required for surface reclamation in addition to the \$10,000 performance bond listed above. Please advise us by collect phone call as to the amount of this bond, and assuming the amount is reasonable, we will forward the bond promptly.

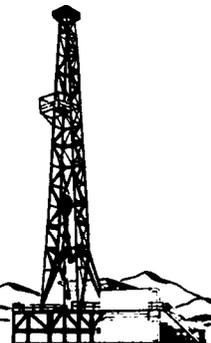
Please advise us by collect phone call of any requirements we have not fulfilled.

Yours truly,


John P. Lockridge

s1

cc: Buckhorn Petroleum
NICOR Exploration - Bruce Enquist
Prima Energy - Richard H. Lewis
Tenneco - Loren Leiker
Emerald Oil & Gas - Chuck Norris
Paul Pratt, Department of Lands & Forestry, Moab
Carl Kappe, Department of Lands & Forestry, Salt Lake City



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

SUBMIT IN TRIPlicate*
(Other instructions on reverse side)

5. Lease Designation and Serial No.

ML 27532

6. If Indian, Allottee or Tribe Name

7. Unit Agreement Name

8. Farm or Lease Name

State

9. Well No.

14-4

10. Field and Pool, or Wildcat

Wildcat

11. Sec., T., R., M., or Blk. and Survey or Area

Sec. 14-T19S-R20E

12. County or Parrish 13. State

Grand, Utah

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work

DRILL X RE-ENTRY DEEPEN PLUG BACK

1b. Type of Well

Oil Well Gas Well Other Single Zone Multiple Zone

2. Name of Operator

John P. Lockridge Operator, Inc. (formerly Tenneco)

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

NW NW (1187' FNL & 732' FWL)

At proposed prod. zone

14. Distance in miles and direction from nearest town or post office*

15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drlg. line, if any)

732'

16. No. of acres in lease

2280

17. No. of acres assigned to this well

640

18. Distance from proposed location* to nearest well, drilling completed, or applied for, on this lease, ft.

19. Proposed depth
Re-enter to 3800'

20. Rotary or cable tools
Workover rig

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

8619 GR

22. Approx. date work will start*

September 15, 1983

23.

PROPOSED CASING AND CEMENTING PROGRAM

Size of Hole	Size of Casing	Weight per Foot	Setting Depth	Quantity of Cement
12 1/4	9 5/8	36	2588	650
8 3/4	7	23	4692	400

This is a proposed re-entry of the Tenneco #14-4 State. The well has the above listed casing in place. The 7" casing will be cleaned out to a depth of approximately 3800'. The well will then be perforated and swab tested to evaluate the production potential of the Castlegate sand (approx. 3600' to 3700'), Mesaverde (approx. 3241-47 and 2231-2305') and Tertiary sands (approx. 1586-1603').

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.

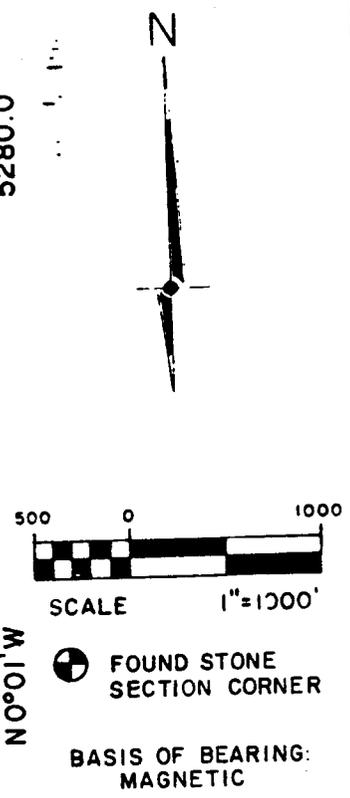
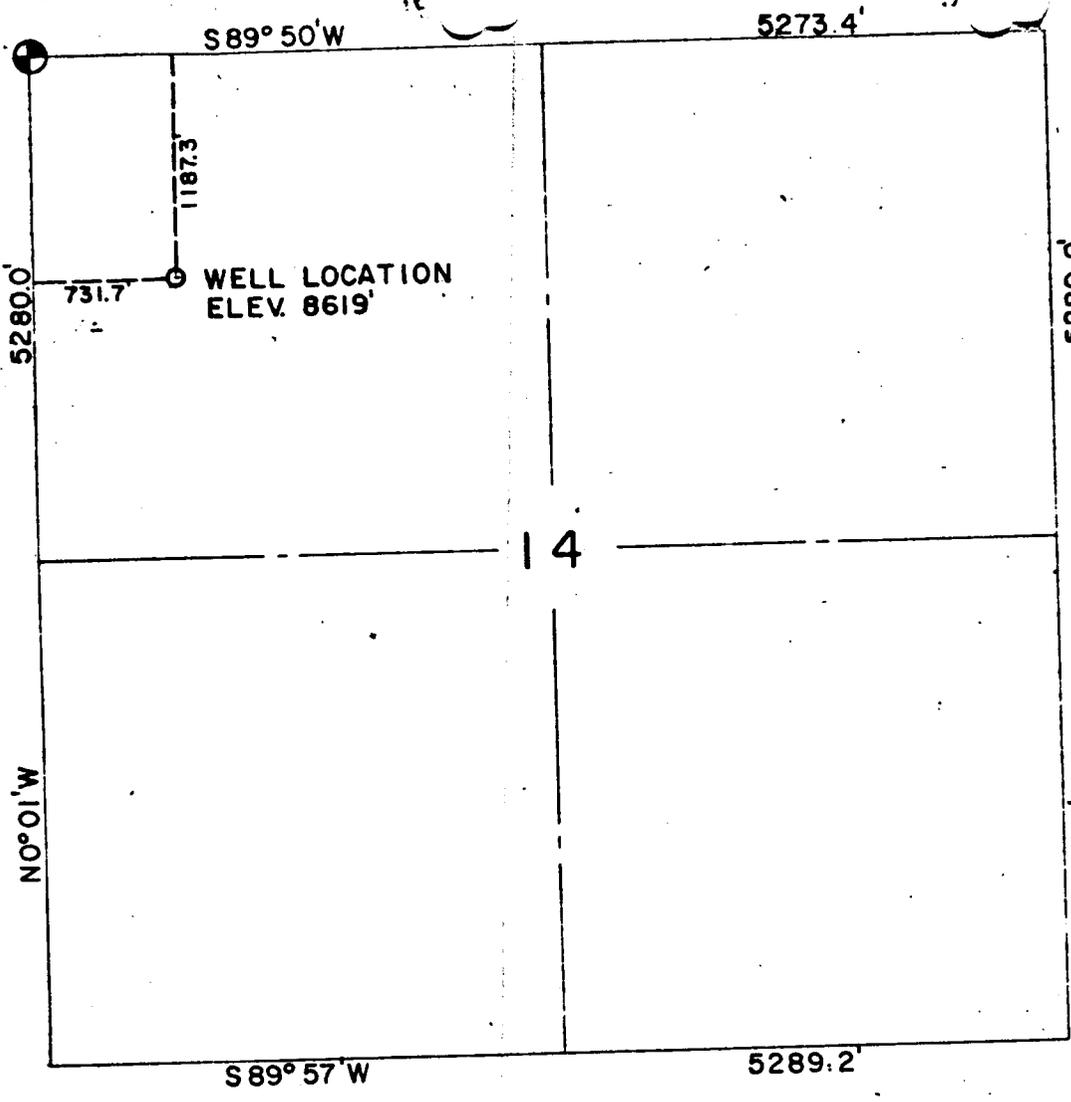
Signature: John P. Lockridge Title: President Date: 9/6/83

(This space for Federal or State office use)

Permit No. _____ Approval Date _____

Approved by _____ Title _____ Date _____

Conditions of approval, if any:

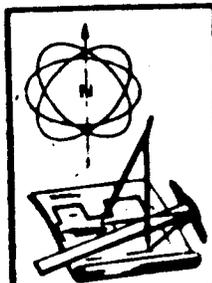
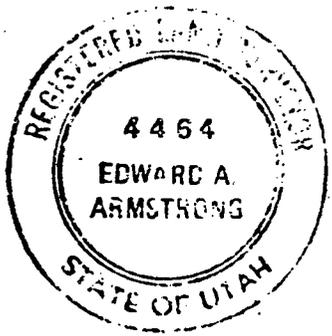


WELL LOCATION
 1187.3 FT.S.N.L. - 731.7 FT.E.W.L.
 SECTION 14 , T.19S., R.20E, S4B&M
 GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

Edward A. Armstrong
 EDWARD A. ARMSTRONG P.E. & L.S. 4464



ARMSTRONG ENGINEERS and ASSOCIATES, INC. ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING 861 ROOD AVENUE • GRAND JUNCTION, COLORADO 81501 (303) 245 3861	
SCALE 1"=1000'	TENNECO OIL
DATE 9/17/80	TENNECO STATE 14-4
PROJECTED BY DRS	JOB NUMBER
DATE OF SURVEY 9/12/80	802997
SHEET 1 of 1	

REVISED LOCATION 9-30-80

DESIGNATION OF OPERATOR

The undersigned is, on the records of the ^{State of Utah}~~Bureau of Land Management~~, holder of lease

~~DISTRICT LAND OFFICE:~~

~~SERIAL No.:~~

State of Utah No.: ML-27532

and hereby designates

NAME: John P. Lockridge

ADDRESS: 1444 Wazee Street, Suite 218, Denver, CO 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 ^{State of Utah or its}~~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):

Township 19 South, Range 20 East
Section 14: NW $\frac{1}{4}$

Grand 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 ^{State of Utah}~~Secretary of the Interior~~ or ^{its}~~his~~ representative.

The lessee agrees promptly to notify the ^{State of Utah}~~supervisor~~ of any change in the designated operator.

BUCKHORN PETROLEUM CO.

By: 

(Signature of lessee)

Stephen G. Weiman, Vice President

September 15, 1983

(Date)

P. O. Box 5928, T.A., Denver, CO 80217

(Address)

SUPERVISOR, OIL AND GAS OPERATIONS:

DESIGNATION OF OPERATOR

The undersigned is, on the records of the
Board of State Lands and Forestry, State of Utah, holder of oil and gas lease

SERIAL NO.: ML 27532

and hereby designates

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

as his operator and 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 Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

Township 19 South - Range 20 East, Grand County Utah

Section 12: SW $\frac{1}{4}$

Section 13: NW $\frac{1}{4}$ NW $\frac{1}{4}$

Section 14: S $\frac{1}{2}$ NE $\frac{1}{4}$, W $\frac{1}{2}$

Section 15: All

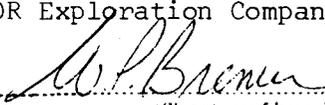
It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

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 oil and gas supervisor of any change in the designated operator.

NICOR Exploration Company

by


(Signature of lessee)
W. P. Brenner, Manager of Land

BEE

September 16, 1983

(Date)

1667 Cole Boulevard

(Address)

Golden, CO 80403

File in Duplicate

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

DESIGNATION OF AGENT

The undersigned producer, operator, transporter, refiner, gasoline or initial purchaser who is conducting oil and/or gas operations in the State of Utah, does, pursuant to the Rules and Regulations and Rules of Practice and Procedure of the Division of Oil, Gas and Mining of the State of Utah, hereby appoint John P. Lockridge, whose address is 1444 Wazee Street, Suite 218, Denver, Colorado 80202, (his, her or its) designated agent to accept and to be served with notices from said Board, or from other persons authorized under the Oil and Gas Conservation Act of the State of Utah.

The undersigned further agrees to immediately report in writing, all changes of address of the agent, and any termination of the agent's authority, and in the latter case, the designation of a new agent or agents shall be immediately made. This designation of agent, however, shall remain in full force and effect until and unless a new designation agent is filed in accordance with said statute and said regulations.

Effective date of designation August 17, 1983

Company John P. Lockridge Operator, Inc Address 1444 Wazee, Suite 218, Denver, CO 80202

By  Title President
(signature)

NOTE: Agent must be a resident of the State of Utah

Note: I discussed our not having an employee living in Utah with Mr. Firth's office personnel on 8/17/83, and it was indicated the requirement for residency might be waived. JPL

OPERATOR JOHN P. LOCKRIDGE OPERATOR, INC.

DATE 9-9-83

WELL NAME STATE 14-4

SEC NW NW 14 T. 19S R. 20E COUNTY GRAND

old # 43-019-30734
~~43-019-31101~~
API NUMBER

STATE
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 WELLS WITHIN 4960' - THIS IS A RE-ENTRY OF THE
TENNECO STATE 14-4 (API 43-019-30734) WHICH WAS
P&A 12-21-81. TD AT THAT TIME WAS 8175'
C-3-(c) ltr will be sent - 660' ownership ok

✓ 9/21/83 CHIEF PETROLEUM ENGINEER REVIEW: top equipment as per letter 9/14/83,

APPROVED BY THE STATE
 OF UTAH DIVISION OF
 OIL, GAS, AND MINING
 DATE: 9-26-83
 BY: [Signature]

APPROVAL LETTER:

- SPACING: A-3 _____ UNIT c-3-a _____ CAUSE NO. & DATE
- c-3-b c-3-c

WATER

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

AUTHENTICATE LEASE AND OPERATOR INFORMATION

VERIFY ADEQUATE AND PROPER BONDING *OK 9-23-23*

AUTHENTICATE IF SITE IS IN A NAMED FIELD, ETC.

APPLY SPACING CONSIDERATION

ORDER NO

UNIT NO

c-3-b

c-3-c

RECEIVED
DIVISION OF
INDUSTRIAL
AND MINERAL
RESOURCES

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.

FT MSG FOR JOHN TO
CALL:

BOP PROGRAM
WATER RIGHTS
BONDS


9-9-92

John called 11/12/91
and said he would take
care of bond, BOP, &
water rights. He asked
that the 06 1/2 m bond be
returned with the approval
letter.


9-9-93

Received bond # 564F505-8
from Norman Stout on
13 SEP 83

Charles H. Klein

This was a SOGM bond, but should
have be a state funds bond

JOHN P. LOCKRIDGE
PETROLEUM GEOLOGIST

September 14, 1983

Mr. Norman Stout
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

Re: Application for Permit to Drill (Re-entry)
Lockridge et al #14-4 State
NW NW Section 14-T19S-R20E
Grand County, Utah

Dear Mr. Stout:

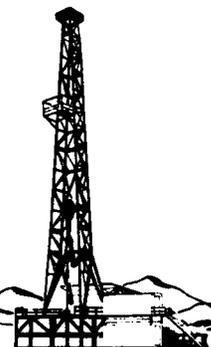
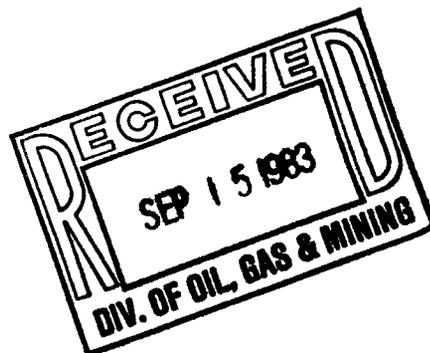
Thank you for the information you provided by phone on Friday, September 9, 1983. The following information is submitted relative to our plans for casinghead and blow out preventer design.

We will weld or thread a 9 5/8" x 7" Hercules casing head (working pressure 2000psi, test pressure 4000psi) to the 9 5/8" casing presently in the hole and rehang the 7" casing in this head. We will weld a 7" bell nipple on the 7" casing, install a 7" x 6" (5000psi) companion flange, and attach a 6" (5000psi) double ram type BOP with necessary fill, kill and choke lines. The casing and BOP will be pressure tested to 2000psi.

Yours truly,


John P. Lockridge

JPL:nrf



JOHN P. LOCKRIDGE
PETROLEUM GEOLOGIST

September 20, 1983

Mr. Gayle Prince
Department of Lands & Forestry
3100 State Office Bldg.
Salt Lake City, Utah 84114

RECEIVED
SEP 22 1983

Re: Application for Permit to Drill
Lockridge et al #14-4 State
Sec. 14-T19S-R20E
Grand County, Utah

DIVISION OF
OIL, GAS & MINING

Dear Mr. Prince,

Three copies of the designation of John P. Lockridge as operator from Buckhorn Petroleum Co. & Nikor Exploration Co., pertaining to the subject location are enclosed. A bond in the amount of \$35,000.00 completed on the form provided by your office is also enclosed. We trust these items will fulfill the requirements you set forth during our phone discussion of September 14, 1983.

A copy of this information is being provided to the Division of Oil, Gas & Mining.

Yours truly,

John P. Lockridge (PAV)

John P. Lockridge

cc: ✓ Division of Oil, Gas & Mining
Attn: Norm Stout

*the bond was not signed
and was returned by fairs*

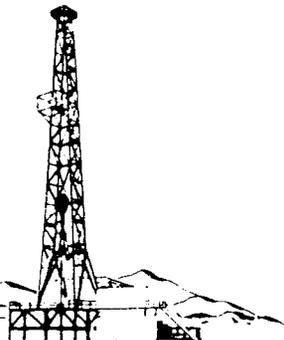
Paul Pratt
Department of Lands & Forestry
Moab, Utah

Richard Lewis
Prima Energy Corporation

Buckhorn Petroleum

Bruce Enquist
Nikor Exploration

Loren Leiker
Tenneco



September 26, 1983

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

RE: Well No. State 14-4
NNNW Sec. 14, T. 19S, R. 20E
1187' FNL, 732' FWL
Grand County, Utah

Gentlemen:

Insofar as this office is concerned, approval to re-enter the above referred to gas well on said unorthodox location is hereby granted in accordance with Rule C-3(c), 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 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 43-019-30734.

Sincerely,


Norman C. Stout
Administrative Assistant

NCS/as
cc: State Lands
Encl.

JOHN P. LOCKRIDGE
PETROLEUM GEOLOGIST

RECEIVED
SEP 27 1983

Mr. Norman Stout
Division of Oil, Gas and Mining
4241 State Office Building
Salt Lake City, Utah 84114

**DIVISION OF
OIL, GAS & MINING**

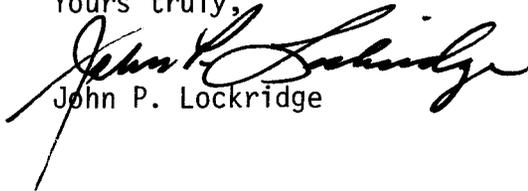
Re: Application for Permit to Drill (Re-entry)
Lockridge et al #14-4 State
NW NW Section 14-T19S-R20E
Grand Co., Utah

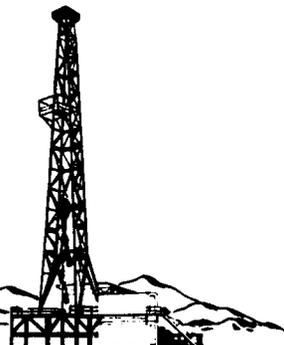
Dear Mr. Stout:

The subject location was drilled at an approved unorthodox location in the NW NW Section 14, 1187' FNL and 732' FWL. Ownership is common in all of the NW $\frac{1}{4}$ Section 14, thus we request an administrative exception of location for the re-entry of the subject test well.

Thank you for advising us of the need for this exception, and please contact us by collect phone call if additional information is required.

Yours truly,


John P. Lockridge



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

Now,

DATE: 10/18/83

BY: [Signature]

I gave ~~vertical~~ ~~plug~~ plug
back and perf the Mesaverde.
There were no shows, pressure,
or water from the Castle Gate
perfs.

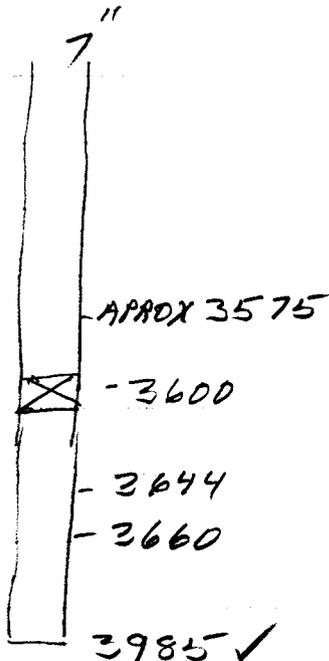
JOHN LOCKRIDGE
STATE 14-4
NWNW 14-19S, 20E
GRAND COUNTY
WALT SMITH 1-285-2227

MESAVERDE PERFS

CIBP + 5 SXs

CASTLE GATE PERFS

REENTRY TO



[Signature]
10-17-83

JOHN P. LOCKRIDGE
PETROLEUM GEOLOGIST

RECEIVED
NOV 1 1983

October 31, 1983

**DIVISION OF
OIL, GAS & MINING**

Utah Division of Oil, Gas & Mining
4241 State Office Building
Salt Lake City, Utah 84114
Attention: Norman Stout

OPER N9665

Re: John P. Lockridge Operator, Inc.
#14-4 State
NW NW Section 14-T19S-R20E
Grand County, Utah

ENT 99998

Gentlemen:

FIELD 001

Re-entry operations have been completed at the subject well and the following data and forms are submitted herewith:

- (1)* Eight Sundry Notices and Reports on Wells (Form OGC-16) covering notice of intention and subsequent report of perforating and testing operations.
- (2)* Two Sundry Notices and Reports on Wells (Form OGC-16) covering abandonment.
- (3)* A Well Completion and Log (Form OGCC-3).
- (4)* Well History.
- (5)* Cement Bond Log run 10-13-83.
- (6)* OGC-8-X-Water encountered.

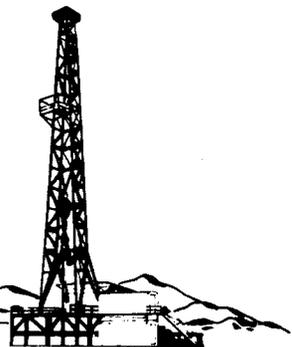
The Moab office of the Department of Lands and Forestry has been contacted regarding surface rehabilitation. This work was commenced on October 24, 1983, by Monument Contractors. Contact will be maintained with Lands and Forestry until approval of surface rehabilitation.

We appreciate the cooperation received during this operation, especially the timely verbal approvals obtained by our field engineer, Walt Smith, from Norm Stout. Please advise us of any additional reporting requirements which must be fulfilled.

Yours truly,

John P. Lockridge
John P. Lockridge

JPL:nrf



NOV 1983

STATE OF UTAH

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

DIVISION OF GAS CONSERVATION COMMISSION

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

ML 27532

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

State

9. WELL NO.

14-4

10. FIELD AND POOL, OR WILDCAT

Wildcat

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

Sec. 14-T19S-R20E

12. COUNTY OR

Grand

13. STATE

Utah

15. DATE SPUNDED

10/1/83

16. DATE T.D. REACHED

10/22/81

17. DATE COMPL. (Ready to prod.)

Abd. 10/22/83

18. ELEVATIONS (DF, RES, RT, GR, ETC.)*

8619 Gr.

19. ELV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

8175

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

1500'

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

→

ROTARY TOOLS

Re-entry

CABLE TOOLS

w/ workover rig

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

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray, Collar Correlation and Cement Bond Log

27. WAS WELL CORED

No

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36	2588	12 1/4"	650	-----
7 "	23	4692	8 3/4"	400	-----

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)

3644-3660, .53", 32.
 3241-3247, .53", 12.
 2230-2246, .75", 32.
 1590-1600, .75", 20.

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)			WELL STATUS (Producing or shut-in)		
							P & A
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Well history and cement bond log.

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

SIGNED

James P. Lockridge

TITLE

Operator

DATE

10/31/83

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

re-entry

4
4

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 38, below regarding separate reports for separate completions.

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

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

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

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
			NAME
			NEAR. DEPTH
			TOP
			TRUE VERT. DEPTH
Tertiary	1590	1600	Swabbed perfs. No formation fluid recovered.
Mesa Verde	2230	2246	" " " " " "
	3241	3247	" " " " " "
Castlegate	3644	3660	" " " " " "

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
1538 West North Temple
Salt Lake City, Utah 84116

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number #14-4 State
Operator John P. Lockridge Oper, Inc Address 1444 Wazee, Suite 218
Denver, Colorado 80202
Contractor _____ Address _____
Location NW 1/4 NW 1/4 Sec. 14 T. 19S R. 20E County Grand

Water Sands - No water flow encountered during re-entry operations

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
From	To	Flow Rate or Head	Fresh or Salty
1.	_____	_____	_____
2.	_____	_____	_____
3.	_____	_____	_____
4.	_____	_____	_____
5.	_____	_____	_____

(Continue of reverse side if necessary)

Formation Tops

Remarks

John P. Lockridge

- NOTE: (a) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure.
- (b) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

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

5. LEASE DESIGNATION AND SERIAL NO. ML 27532
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME State
9. WELL NO. 14-4
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., S., M., OR BLE. AND SURVEY OR AREA Sec. 14-T19S-R20E
12. COUNTY OR PARISH Grand
13. STATE Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.
3. ADDRESS OF OPERATOR 1444 Wazee, Suite 218, Denyer, Colorado 80202
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NW (1187' FNL & 732' FWL)
14. PERMIT NO. 43-019-30734
15. ELEVATIONS (Show whether OF, FT, GR, etc.) 8619 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"/>	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 checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) _____	(Other) _____

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

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

10/13/83 Ran Gamma-Ray, Collar Correlation and Cement Bond log from 3900' to surface. Perforated Castlegate sandstone 3644' to 3660' with 4", 19 gram, DML casing gun, 32 holes, .53" hole. No change in fluid level after perforating. Ran 7" Mountain States 32A tension packer with PSN on 112 joints of 2 7/8" tubing. Set at 3575' KB. SD for night.

10/14/83 SITP 0#, SICP 0#. Fluid at 500'. Swabbed 17.36 bbls. water with no show. Wait 1 hour, no fluid. Wait 1 hour, no fluid. Wait 2 hours, no fluid. SD for night.

10/15/83 SITP Vacuum, SICP 10#

10/16/83 SITP Vacuum, SICP 10#.

10/17/83 SITP Vacuum, SICP 10#. Ran swab to 3568'. No fluid. Ran BP at 3570' KB and placed 5 sack cement plug on BP. Verbal approval from Norman Stout.

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

SIGNED John P. Lockridge TITLE Operator DATE 10/28/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		5. LEASE DESIGNATION AND SERIAL NO. ML 27532
1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		7. UNIT AGREEMENT NAME
3. ADDRESS OF OPERATOR 1444 Wazee, Suite 218, Denver, Colorado 80202		8. FARM OR LEASE NAME State
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NW (1187' FNL & 732' FWL)		9. WELL NO. 14-4
14. PERMIT NO. 43-019-30734		10. FIELD AND POOL, OR WILDCAT Wildcat
15. ELEVATIONS (Show whether OF, RT, OR, etc.) 8619 Gr		11. SEC., T., R., M., OR S.E. AND SUBST OR AREA Sec. 14-T19S-R20E
12. COUNTY OR PARISH Grand		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"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other) <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input checked="" type="checkbox"/> (Other) <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <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.)*

10/17/83 Perforated Mesa Verde 3241' to 3247' with 12 holes, 4", 10 gram, DML casing gun. No change in fluid level. Ran Mountain States 32A tension packer with PSN on 100 joints of 2 7/8" tubing. SDFN.

10/18/83 SITP 0, SICP 0. Found fluid at 500'. Swabbed 14 3/4 bbls. water with no show. Wait 1 hour, swabbed, no fluid. Filled tubing with 15 bbls. 3% KCI water and pressured to 500 psi. Formation broke down and pumped 24 bbls. 3% KCI. ISIP-vacuum. Fluid at 1300'. Swabbed dry. Wait 1 hour, fluid at 3000', swabbed dry. Wait 1 hour, no fluid. Wait 1 hour, no fluid. SDFN.

10/19/83 SITP-Vacuum, SICP-10. Fluid level at 3000'. Swabbed water with no show. Set B. P. at 3170' and placed 5 sack cement plug on top of B.P. Verbal approval from Norman Stout.

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

SIGNED John P. Lockridge TITLE Operator DATE 10/28/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

5. LEASE DESIGNATION AND SERIAL NO. ML 27532
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME State
9. WELL NO. 14-4
10. FIELD AND POOL, OR WILDCAT Wildcat
11. SEC., T., R., M., OR B.L.K. AND SURVEY OR AREA Sec. 14-T19S-R20E
12. COUNTY OR PARISH Grand
13. STATE Utah

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.
3. ADDRESS OF OPERATOR 1444 Wazee, 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 NW (1187' FNL & 732' FWL)
14. PERMIT NO. 43-019-30734
15. ELEVATIONS (Show whether OF, ST, GR, etc.) 8619 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"/>	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 checked="" type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>

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

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

10/19/83 Perforated upper Mesa Verde sandstone from 2230' to 2246' with 32 holes, 5", 32 gram DML casing gun. Ran 2 7/8" x 7" Mountain States 32A tension packer with PSN on 69 joints 2 7/8" tubing and set at 2210' KB. Fluid level at 600' from surface. Swabbed 9 bbls. water with no show. Filled tubing with 13 bbls. 3% KCI water. Pressured to 1000 psi, broke to 700 psi, pumped 10 bbls. 3% KCI water into perfs at 500 psi. ISIP 100 psi. In 2 minutes had strong vacuum. Found fluid level at 1000'. Swabbed dry. Wait 1 hour, no fluid entry. Wait 1 hour, no fluid entry. SDFN.

10/20/83 SITP-vacuum, SICP - 10 psi. Run swab to PSN. No fluid entry. Ran and set B.P. at 2170 and placed 5 sacks on top of plug. Verbal approval from Norman Stout.

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

SIGNED John P. Lockridge TITLE Operator DATE 10/28/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

SUBMIT TRIPPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. ML 27532
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1444 Wazee, Suite 218, Denver, Colorado 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 NW NW (1187' FNL & 732' FWL)		8. FARM OR LEASE NAME State
14. PERMIT NO. 43-019-30734		9. WELL NO. 14-4
15. ELEVATIONS (Show whether OF, RT, GR, etc.) 8619 Gr		10. FIELD AND FOOT, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA Sec. 14-T19S-R20E
		12. COUNTY OR PARISH Grand
		13. STATE Utah

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

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

10/20/83 Perforated Tertiary sandstone from 1590' to 1600' with 20 holes, 5", 32 gram DML casing gun. No change in fluid level after perforating. Ran 2 7/8" x 7" Mountain States 32A tension packer on 2 7/8" tubing. Set at 1571' KB. Found fluid at 600'. Swabbed 4 bbls. water with no show. Wait 1 hour, no fluid entry. Filled tubing with 9 bbls. 3% KCI water. Pressured to 1000 psi and broke to 700 psi at 1 bbl: per minute. Pumped 24 bbls. 3% KCI water into perfs at 3 1/2 bbls. per minute. Strong vacuum after pumping. Found fluid at 900'. Swabbed dry. No show Wait 1 hour, no fluid entry. Wait 1 hour, no fluid entry.

10/21/83 SITP-vacuum, SICP-10 psi. Ran swab. No fluid. Ran and set B.P. at 1550' and placed 5 sacks cement on top of plug. Verbal approval from Norman Stout.

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

SIGNED John P. Lockridge TITLE Operator DATE 10/28/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS

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

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. ML 27532
2. NAME OF OPERATOR John P. Lockridge Operator, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 1444 Wazee Street, Suite 218, 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 NW NW (1187' ENL & 732' FWL)		8. FARM OR LEASE NAME State
14. PERMIT NO. 43-019-30734		9. WELL NO. 14-4
15. ELEVATIONS (Show whether OP, RT, GR, etc.) 8619 Gr		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLM. AND SURVEY OR ABBA Sec. 14-T19S-R20E
		12. COUNTY OR PARISH 13. STATE Grand Utah

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TEST WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> SHOOT OR ACIDIZE <input checked="" type="checkbox"/> REPAIR WELL <input type="checkbox"/> (Other)	FULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> ABANDON* <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> (Other)	REPAIRING WELL <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> ABANDONMENT* <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.)*

- (1) Plan to run Gamma-Ray, Collar Correlation and Cement Bond log from 3900' to surface.
- (2) Plan to perforate 3644 to 3660 with 4", 19 gram DML casing gun, 32 holes, .53" hole; and swab test.

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

SIGNED John P. Lockridge TITLE Operator DATE 10/28/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

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FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
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(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

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Plan to perforate 3241-3247 with 12 holes, 4", 10 gram DML casing gun; and swab test.

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

SIGNED John P. Lockridge TITLE Operator DATE 10/28/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

COUNTERS OF APPROVAL, IF ANY:

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

SUBMIT TRIPPLICATE
(Other instructions on reverse side)

SUNDRY NOTICES AND REPORTS ON WELLS <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		3. LEASE DESIGNATION AND SERIAL NO. ML 27532
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Plan to perforate upper Mesa Verde from 2230' to 2246', 32 holes; and swab test.

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

SIGNED <i>John P. Lockridge</i>	TITLE <u>Operator</u>	DATE <u>10/28/83</u>
(This space for Federal or State office use)		
APPROVED BY _____	TITLE _____	DATE _____
CONDITIONS OF APPROVAL, IF ANY:		

*See Instructions on Reverse Side

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

SUNDRY NOTICES AND REPORTS ON WELLS

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Plan to perforate Tertiary sandstone from 1590' to 1600' with 20 holes, 5", 32 gram DML casing gun; and swab test.

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

SIGNED John P. Lockridge TITLE Operator DATE 10/28/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CORRECTIONS OF APPROVAL, IF ANY:

STATE OF UTAH
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DIVISION OF OIL, GAS, AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS

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<p>1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER</p> <p>2. NAME OF OPERATOR John P. Lockridge Operator, Inc.</p> <p>3. ADDRESS OF OPERATOR 1444 Wazee, Suite 218, Denver, Colorado 80202</p> <p>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface NW NW (1187' FNL & 732' FWL)</p>		<p>5. LEASE DESIGNATION AND SERIAL NO. ML 27532</p> <p>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</p> <p>7. UNIT AGREEMENT NAME</p> <p>8. FARM OR LEASE NAME State</p> <p>9. WELL NO. 14-4</p> <p>10. FIELD AND POOL, OR WILDCAT Wildcat</p> <p>11. SEC., T., R., M., OR BLE. AND SUBST OR AREA Sec. 14-T19S-R20E</p> <p>12. COUNTY OR PARISH 13. STATE Grand Utah</p>
<p>14. PERMIT NO. 43-019-30734</p>	<p>15. ELEVATIONS (Show whether OF, RT, OR, etc.) 8619 Gr</p>	

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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.)*

Plan to abandon well by placing 11 sacks of cement in top 50' of 7" casing and setting dry hole marker with well name and location.
Verbal approval from Norman Stout.

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

SIGNED John P. Lockridge TITLE Operator DATE 10/28/83

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

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

SUBMIT TRIPPLICATE
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14. PERMIT NO. 43-019-30734	15. ELEVATIONS (Show whether of, to, or, etc.) 8619 Gr	9. WELL NO. 14-4
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TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>
(Other) <input type="checkbox"/>	

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input checked="" type="checkbox"/>
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Plugged and abandoned. Placed 11 sacks of cement in top 50' of 7" casing and set dry hole marker on 10/21/83 per verbal instructions from Norman Stout.

APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS, AND MINING
DATE: 10/28/83
BY: [Signature]

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

SIGNED John P. Lockridge TITLE Operator DATE 10/28/83

(This space for Federal or State office use)

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

DAILY REPORT

Operator: JOHN P. LOCKRIDGE OPERATOR, INC.
Well Name: #14-4 State
Location: NW NW Section 14-T19S-R20E, Grand County, Utah
Elevation: 8619' GR
Contractor: Monument Well Service

Report Date	Activity
9/24/83	Dig out well head. 9 5/8" casing intact with W.K.M. 10-3000 X 9 5/8 casing head. 7" casing hung in 9 5/8" head with 7" casing stub 3 1/2" above flange. Dry Hole marker cemented firmly in place. Dozer arrived on location at 4:00 p.m. Shut down for night. Rig Daily -0- Rig Cumulative -0- Daily Cost \$1325.00 Cum. Well Cost \$1325.00
9/25/83	Shut down for Sunday
9/26/83	Dozer rebuilding last 3 miles of road into location. Shut down for night.
9/27/83	Rebuilding washed areas on access road with dozer. Shut down for night. Rig Daily -0- Rig Cumulative -0- Daily Cost \$950.00 Cum. Well Cost \$2275.00
9/28/83	Waiting on permit approval. Completed road repair on access road and Sego Canyon Road. Shut down for night. Rig Daily -0- Rig Cumulative -0- Daily Cost \$900.00 Cu. Well Cost 3175.00
9/29/83	Moved in Monument Well Service rig with pump, tank and power swivel. Frontier set anchors and 500 bbl fracmaster. Weld on bell nipple and fishing neck on dry hole marker. Pulled DOTCO truck last 10 miles. Rain and sleet storm started at 3:30 pm. Rig Daily 1125.00 Rig Cumulative 1125.00 Daily Cost 4663.00 Cum. Well Cost \$7838.00
10/1/83	Picked up 5 7/8" OD wavy bottom mill on washover pipe and drill collar. Washed over 4 1/2" dry hole marker in 4 1/2 hours. Laid down washover assembly. Drilled to 50' with 6 1/2" collars and 6 1/2" bit. Pulled out and laid down. Nippled up 7" by 2 7/8" screwed head and installed 6" 3000 psi double-gate BOP. Moved in 127 joints, 4009.15' of new 2 7/8", 6.3# 8 rd DUE tubing. Rig Daily 2224.00 Rig Cumulative 3149.00 Daily Cost 7575.00 Cum. Well Cost 15413.00
10/2/83	Went in with 6 1/2" bit on 2 7/8" tubing. Drilled on cement. No progress due to lack of weight. Will move in drill collars to drill out plugs. Heavy rain and sleet. Rig Daily 2208.00 Rig Cumulative 5357.00 Daily Cost 14513.00 Cum. Well Cost 29926.00
10/3/83	No operation on Sunday, 10/2/83. Plan to remain shut down today because of weather.
10/4/83	Shut down - Muddy roads Rig Daily -0- Rig Cumulative 5357.00 Daily Cost -0- Cum. Well Cost 29926.00
10/5/83	Rebuilding roads and stream crossings. 9 hours dozer time at \$95/hour. Rig Daily -0- Dig Cumulative 5357.00 Daily Cost 1030.00 Cum. Well Cost 30956.00

Report Date	Activity
10/6/83	<p>Drilled cement from 50' to 149' KB in 5 hours. Drilled at 149' KB for 1 hour. No progress. Acts like drilling on iron. Pull out of hole, bit shanks scarred and inside rows of teeth partially broken. Shut well in and shut down for night.</p> <p>Rig Daily 1978.00 Rig Cumulative 7335.00 Daily Cost 5266.00 Cum. Well Cost 36222.00</p>
10/7/83	<p>Ran 6½" concave mill and milled 149' to 150' in 1 hour. Ran in to 180' and hit bridge at 180'. Circulated bottoms up and tripped for 6¼" bit and casing scraper. Went in hole to 149' KB, but could not get thru 149 to 150' with rock bit. Pull rock bit and ran 6 1/8" mill with scraper. Redrill 149' to 150' with both mill and scraper in 1 hour. Worked mill and scraper through tight spot until no drag. Recovered pieces of thread while milling at 150'. Apparently a 7" casing pin thread either crimped or over torqued. Ran in hole with 6¼" bit to 920' and reverse circulated out thick cement. Continued hole 920' to 965' and hit bridge. Picked up power swivel and drilled cement, 965' to 1006' KB. Fell free at 1006' to 1013'. Reverse circulated hole clean and pull up 30'. SWI and SDFN.</p> <p>Rig Daily 2624.00 Rig Cumulative 9959.00 Daily Total 4899.00 Cum. Well Cost 41121.00</p>
10/8/83	<p>Drilled cement stringers 1013' to 1171'. In hard cement, 1171 to 1206'. Drilled hard cement with 6 1/8" O.D. mill at 5' per hour. Reverse circulated hole clean and pulled out of hole with mill. Ran 6¼" bit with scraper, but bit won't go through tight spot at 150'. Pull bit. SWI and SDFN.</p> <p>Rig Daily 2301.00 Rig Cumulative 12260.00 Daily Total 5216.00 Cum. Well Cost 46337.00</p>
10/10/83	<p>Sunday 10/9/83 Shut down for Sunday Saturday 10/8/83 - Milled 149' to 149.5' in 15 minutes. String fell free. Worked mill and scraper up and down from 140' to 160' while rotating. No drag. Pulled 6¼" O.D. tapered mill and ran 6¼" bit with scraper. Worked bit through tight spot at 149' to 150'. Tagged bottom at 1206'. Drilled hard cement 1206' to 1242' in 7 hours. Reversed hole clean and pull up 30'. SWI and SDFN.</p> <p>Clean mud tank Rig Daily 2480.00 Rig Cumulative 14740.00 Daily Total 6254.00 Cum. Well Cost 52591.00</p>
10/11/83	<p>Drilled hard cement from 1242-1279' KB, and soft cement from 1279'-1369'. Go in hole and tagged soft cement at 2796'. Drilled soft cement from 2796' - 2811'. 2 cement bridges between 2811 and 3479'. Drilled cement 3479' - 3514'. Reverse circulated hole clean and pull up 35'.</p> <p>Rig Daily 2417.00 Rig Cumulative 17157.00 Daily Total 4842.00 Cum Well Cost 57433.00</p>
10/12/83	<p>Drilled hard cement 3514' - 3577' in 2 hours. Free from 3577 to 3985'. Dump and clean mud pit. Dug flare pit. Reverse circulated hole clean with 160 bbls 3% KCL water with nitrate tracer and recovered heavy cement contaminated with drilling mud with LCM. Laid down power swivel and 1 joint with stripper head. Pulled up 30'. Drain pump and lines. SWI and SDFN.</p> <p>Rig Daily 2365.00 Rig Cumulative 19522.00 Daily Total 4835.00 Cum. Well Cost 62268.00</p>

Report Date	Activity																														
10/13/83	<p>Pulled 120 joints of 2 7/8" tubing. Laid down 4 3/4" drill collars, subs, scraper and bit. Oil Well Perforators ran wire line bridge plug to 3930', uncorrected. Set down momentarily at 160' and 1700', while going in hole. Wire line bridge plug would not set at 3920'. Pulled wire line out of hole. Wire line bridge plug gone. Shear stud is broken in the threads below shear area. Possibility that plug broke off at 1700' and fell to bottom. Wait on another plug for 4 hours. Did not arrive. Shut down at 4:00 pm.</p> <p>SWI and SDFN.</p> <table> <tr> <td>Rig Daily</td> <td>1220.00'</td> </tr> <tr> <td>Rig Cumulative</td> <td>20742.00</td> </tr> <tr> <td>Daily Total</td> <td>2668.00</td> </tr> <tr> <td>Cum. Well Cost</td> <td>64936.00</td> </tr> </table>	Rig Daily	1220.00'	Rig Cumulative	20742.00	Daily Total	2668.00	Cum. Well Cost	64936.00																						
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Rig Cumulative	20742.00																														
Daily Total	2668.00																														
Cum. Well Cost	64936.00																														
10/14/83	<p>Ran Mountain States Wire Line Bridge Plug. Worked tool through tight spot at 1749'- 1756'. Ran WLBP to 3930' but did not set. Pulled wire line out of hole. WLBP gone. Shear studs broke in the threads below the shear area. Possibly the shear stud is not strong enough to set plug. Filled hole. Pressured to 500 psi. Bled off 50 psi in 10 minutes. Pressured to 1000 psi, bled of 50 psi in 15 min. Oil Well Perforators ran Gamma Ray, Collar Correlation and Cement Bond, from 3900' to surface.</p> <p>Bond as follows:</p> <table> <tr> <td>0' to 150'</td> <td>70%</td> </tr> <tr> <td>150' to 370'</td> <td>20% (free?)</td> </tr> <tr> <td>370' to 590'</td> <td>40%</td> </tr> <tr> <td>590' to 970'</td> <td>20% (free?)</td> </tr> <tr> <td>970' to 1300'</td> <td>25%</td> </tr> <tr> <td>1300' to 2800'</td> <td>70%</td> </tr> <tr> <td>2800' to 3100'</td> <td>50%</td> </tr> <tr> <td>3100' to 3500'</td> <td>80%</td> </tr> <tr> <td>3500' to 3575'</td> <td>90%</td> </tr> <tr> <td>3575' to 3625'</td> <td>50%</td> </tr> <tr> <td>3625' to 3900'</td> <td>95%</td> </tr> </table> <p>Ran collar tie in and perforated 3644' to 3660', with 4", 19 gram DML casing gun, 32 holes, .53" hole. No change in fluid level after perforating. Ran 7" Mountain States 32A tension packer with PSN on 112 joints of 2 7/8" tubing. Set at 3575' KB. SWI and SDFN.</p> <table> <tr> <td>Rig Daily</td> <td>1795.00</td> </tr> <tr> <td>Rig Cumulative</td> <td>22357.00</td> </tr> <tr> <td>Daily Total</td> <td>8688.00</td> </tr> <tr> <td>Cum. Well Cost</td> <td>73624.00</td> </tr> </table>	0' to 150'	70%	150' to 370'	20% (free?)	370' to 590'	40%	590' to 970'	20% (free?)	970' to 1300'	25%	1300' to 2800'	70%	2800' to 3100'	50%	3100' to 3500'	80%	3500' to 3575'	90%	3575' to 3625'	50%	3625' to 3900'	95%	Rig Daily	1795.00	Rig Cumulative	22357.00	Daily Total	8688.00	Cum. Well Cost	73624.00
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10/15/83	<p>SITP - 0 Vacuum SICP - 0</p> <p>Found fluid level at 500' with tubing swab. Swabbed 17.36 bbls 100% water with no show of oil and gas in 6 runs. (Tubing volume 20.70 bbls.) Wait 1 hour. Made 1 run to psn at 3568' KB. No fluid entry. Now show of gas and oil. Wait 1 hour, made 1 run to 3568'. No fluid entry. Wait 2 hours, made 1 run to 3568'. No fluid entry. SWI and SDFN,</p> <table> <tr> <td>Rig Daily</td> <td>1104.00</td> </tr> <tr> <td>Rig Cumulative</td> <td>23641.00</td> </tr> <tr> <td>Daily total</td> <td>1574.00</td> </tr> <tr> <td>Cum. Well Cost</td> <td>75196.00</td> </tr> </table>	Rig Daily	1104.00	Rig Cumulative	23641.00	Daily total	1574.00	Cum. Well Cost	75196.00																						
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10/17/83	<p>SITP - Vacuum (for 10/15/83) SICP - 10 psi at 20 hours SI</p> <p>SITP - Vacuum (for 10/16/83) SICP 0 10 psi at 24 hours SI</p>																														
10/18/83	<p>SITP - Vacuum, SICP - 10 psi. Ran swab to psn at 3568'. No fluid in hole. Received plugging order from Norm Stout to set WLBP with 5 sacks cement on top above Castlegate perforations, 3644'- 36660', at 8:15 am, 10/17/83 via phone. Equalized and released packer at 3575'. Pulled tubing and packer. Oil Well Perforators set Baker WLBP at 3570' KB. Placed 5 sacks cement on top of bridge plug with dump bailer in 3 runs. Correlated and perforated Mesa Verde from 3241 - 3247' with 12 holes, 4", 10 gram, DML casing gun. No change in fluid level after perforation. Ran Mountain States 32A tension packer with psn, 22 joints of 2 7/8" tubing. SWI & SDFN.</p> <table> <tr> <td>Rig Daily</td> <td>1550.00</td> </tr> <tr> <td>Rig Cumulative</td> <td>24087.00</td> </tr> <tr> <td>Daily Total</td> <td>5675.00</td> </tr> <tr> <td>Cum. Well Cost</td> <td>79299.00</td> </tr> </table>	Rig Daily	1550.00	Rig Cumulative	24087.00	Daily Total	5675.00	Cum. Well Cost	79299.00																						
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Report Date

Activity

10/19/83

Plug back TD 3550'. SITP - 0, SICP - 0. Ran packer and psn on 100 joints of 2 7/8" tubing, and set at 3228' with psn at 3221'. Filled annulus with 10 bbl 3% KCL water and tested packer to 500 psi for 10 minutes. Held OK. Found fluid level with tubing swab 500' from surface. Swabbed 14 3/4 bbl in 5 runs. Fluid level dropped from 500' to psn at 3221', then dried up. Wait 1 hour. Ran swab to 3221', no fluid. Filled tubing with 15 bbl 3% KCL water and pressured casing to 500 psi. Formation broke down; 800 psi to 0 at 1 bbl per minute. Pumped 24 bbl 3% KCL water into perfs 3241' to 3247', 5 bbl per minute at 0 psi. ISIP - vacuum. Total load 40 bbls. Found fluid level at 1300' from surface with tubing swab. Made 3 swab runs and fluid level dropped 1300' to 3221', then dried up. Wait 1 hour. Made 2 runs with fluid level at 3000' on the first run and dried up on the second run. Wait 1 hour, made 1 swab run. No fluid in the hole. Wait 1 hour, made 1 swab run. No fluid in the hole. Swabbed 15 bbl load water in 4 hours since breakdown. No show of oil or gas. SWI and SDFN.

Rig Daily	1551.00
Rig Cumulative	25638.00
Daily Cost	2221.00
Cum Well Cost	81320.00

10/20/83

SITP - Vacuum, SICP - 10 psi. Found fluid level at 3000' from surface with tubing swab. Made 1 run pulling from psn at 3221', recovering 100% water with no show of oil or gas. Equalized and released packer at 3228'. Pulled tubing and packer. Oil Well Perforators set Baker wire line bridge plug at 3170' and dumped 5 sacks (25' fill up) on top of wire line bridge plug. Plugging order received from Norm Stout at 3:55 pm, 10/18/83 via phone. Correlate and perforate upper Mesa Verde from 2230' to 2246', 32 holes. No change in fluid level after perforating. Ran 2 7/8" X 7" Mountain States 32A tension packer with psn on 69 joints 2 7/8" tubing and set at 2210' KB. Tested annulus to 600 psi for 10 minutes, held OK. Found fluid level with tubing swab at 600' from surface. Made 3 runs from psn at 2203' KB, recovering 9 bbls 100% water with no show of oil or gas. Filled tubing with 13 bbls 3% KCL water. Breakdown 1000 to 700 psi, 1 bbl per minute. Pumped 10 bbl KCL water into perfs at 2 1/2 bbl per minute at 500 psi. ISIP - 100 psi. In 2 minutes had strong vacuum. Total load 23 bbls. Found fluid level with swab 1000' from surface. Swabbed 5 bbls 100% water in 1 run and dried up on the next run. Wait 1 hour, made 1 run, no fluid. Wait 1 hour, made 1 run, no fluid. Swabbed 5 bbls load water in 3 hours since breakdown, with 18 bbl load water left to recover. SWI and SDFN.

Rig Daily	1630.00
Rig Cumulative	27268.00
Daily Cost	6797.00
Cum. Well Cost	88117.00

10/21/83

SITP - Vacuum, SICP - 10 psi. Ran tubing swab to psn at 2203'. No fluid in hole. Equalized and released packer at 2210'. Pulled tubing and packer. Oil Well Perforators ran Baker wire line bridge plug, et at 2170 and dumped 5 sacks (25' fill up) on top of wire line bridge plug. Plugging order received from Norm Stout at 4:30 pm via phone. Correlated and perforated Tertiary from 1590' to 1600'. 20 holes with 5", 32 gram DML casing gun. No change in fluid level after perforation. Ran 2 7/8" X 7" Mountain States 32A tension packer on 69 joints of 2 7/8" tubing. Set at 1571' KB. Pressure tested packer to 500 psi for 10 minutes. Held OK. Found fluid level with tubing swab at 600'. Swabbed 4 bbl 100% water in 3 runs, as fluid level dropped from 600' to psn at 1564' KB and dried up. Wait 1 hour, make 1 swab run to psn. No fluid in hole. Filled tubing with 9 bbls 3% KCL water, breakdown 1000 to 700 psi at 1 bbl per minute. Pumped 24 bbl 3% KCL water into perfs from 1590' to 1600', at 3 1/2 bbl per minute at 700 psi. ISIP - strong vacuum. Total load 33 bbl. Found fluid level with tubing 900' from surface. Made 2 runs to psn at 1564', recovering 3 bbl 100% water, then dried up. Wait 1 hour, made 1 run, no fluid. Wait 1 hour, make 1 run, no fluid. Swabbed 3 bbl 100% water in 2 1/2 hours with no show of oil or gas. SWI & SDFN

Rig Daily	1630.00
Rig Cumulative	28904.00
Daily Cost	5566.00
Cum. Well Cost	93683.00

Report Date	Activity
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10/22/83	<p>Plug back T.D. 2145'. SITP - vacuum, SICP - 10 psi. Made 1 swab run to psn at 1564'. No fluid in hole. Equalized and released packer. Laid down 47 joints of 2 7/8" tubing. Oil Well Perforators set Baker wire line bridge plug at 1550' KB. Dump 5 sacks (25' fill up) of cement on top of wire line bridge plug with dump bailer in 3 runs. Nipple down BOP and well head. Dug out collar. Could not pull 7" X 10" casing hanger and surface cement is up over bottom of casing head. Cement top 50' of 7" casing with 11 sacks of cement and set dry hole marker.</p> <p>Rig Daily 1525.00 Rig Cumulative 30729.00 Daily Cost 4832.00 Cum. Well Cost 98065.00</p>
10/24/83	<p>Moved rig from location to Thompson, Utah on 10/22/83. Hauled mud pit, pump and 500 gallon tank to yard in Grand Junction, Colorado. Loaded 125 joints of 2 7/8" tubing with 2 7/8" X 7" Hinderliter head to be delivered to Western Well Drilling in Henderson, Colorado. Rehabilitation of location and road to begin Monday, 10/24/83.</p> <p>FINAL REPORT.</p> <p>Rig Daily 1150.00 Rig Cumulative 31879.00 Daily Cost 3890.00 Cum. Well Cost 101,955.00</p>