

NM OIL CONS.

Drawer DD

Artesia.

88210

UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE\*

RECEIVED  
(Other Insert) IS OR  
REVERSE S.

Form approved.  
Budget Bureau No. 42-R1425.

30-005-61635

JUN 4 1982

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

ARTESIA, OFFICE

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☒

MULTIPLE ZONE ☐

2. NAME OF OPERATOR

BERGE EXPLORATION, INC.

3. ADDRESS OF OPERATOR

7100 N. Broadway, Suite 2L Denver CO 80221

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

660' FSL & 660' FWL Sec. 27, T-7S, R-26E

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

24.5 miles northeast of Roswell, NM

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

600

17. NO. OF ACRES ASSIGNED TO THIS WELL

160

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

466'

19. PROPOSED DEPTH

4800'

20. ROTARY OR CABLE TOOLS

Rotary

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

3748' GL

22. APPROX. DATE WORK WILL START\*

23.

PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT                                           |
|--------------|----------------|-----------------|---------------|--------------------------------------------------------------|
| 12-1/4"      | 8-5/8"         | 24#             | 800'          | Circulate cement                                             |
| 7-7/8"       | 4-1/2"         | 11.6#           | TD or PBD     | ±500 sx. (Sufficient to isolate all oil, gas or water zones) |

Propose to drill to about 4800' to test Abo and intermediate formations. Evaluate any favorable zones. Run casing thru deepest zone that appears commercial. Perform normal completion by selectively perforating, stimulating and testing.

See attached "Supplementary Drilling Data" and BOP information.

The gas is not dedicated.

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

24.

SIGNED

*Man White*

TITLE Agent

DATE May 5, 1982

(This space for Federal or State office use)

PERMIT NO.

(Orig. Sgd.) GEORGE H. STEWART

APPROVAL DATE

JUN 2 1982

APPROVED BY

FOR

JAMES A. GILLHAM  
DISTRICT SUPERVISOR

TITLE

DATE

Pasted  
ID-1  
N. Lee Book  
APR Book  
6-11-82

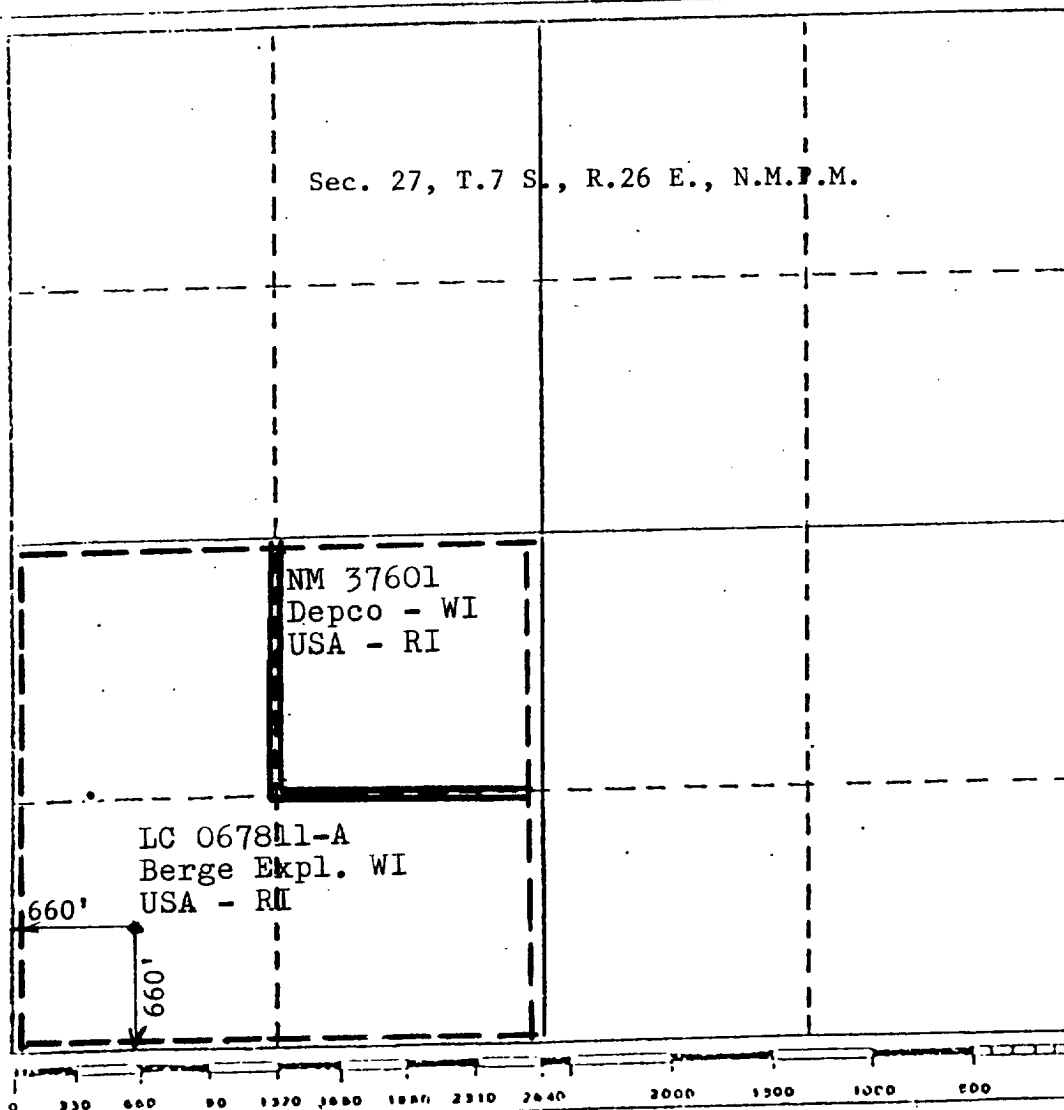
All distances must be from the outer boundaries of the Section.

|                                                |                                   |                                           |                              |                                  |                        |
|------------------------------------------------|-----------------------------------|-------------------------------------------|------------------------------|----------------------------------|------------------------|
| Operator<br><b>Berg Exploration Inc.</b>       |                                   |                                           | Lease<br><b>Dale Federal</b> |                                  | Well No.<br><b>#14</b> |
| Unit Letter<br><b>M</b>                        | Section<br><b>27</b>              | Township<br><b>7 South</b>                | Range<br><b>26 East</b>      | County<br><b>Chaves</b>          |                        |
| Actual Footage Location of Well:               |                                   |                                           |                              |                                  |                        |
| <b>660</b> feet from the <b>South</b> line and |                                   | <b>660</b> feet from the <b>West</b> line |                              |                                  |                        |
| Ground Level Elev.<br><b>3748</b>              | Producing Formation<br><b>ABO</b> | Pool<br><b>Undesignated</b>               |                              | Dedicated Acreage:<br><b>160</b> | Acres                  |

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☒ No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) Communitization is pending  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



#### CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name

**Marc L. Wise**

Position

**Agent**

Company

**Berge Exploration, Inc.**

Date

**May 14, 1982**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

**May 5, 1982**

Registered Professional Engineer  
and/or Land Surveyor

**JOHN D. JAGGESS**  
Certificate No. **6290**  
PROFESSIONAL ENGINEER & LAND SURVEYOR

## SUPPLEMENTAL DRILLING DATA

BERGE EXPLORATION, INC.  
No. 14 Dale Federal  
660' FSL & 660' FWL, Sec. 27, T-7S, R-26E  
Chaves County, NM

LC 067811-A

The following items supplement Form 9-331C in accordance with instructions contained in NTL-6.

1. SURFACE FORMATION: Artesia Group of the Permian System
2. ESTIMATED TOPS OF GEOLOGIC MARKERS:

|            |       |
|------------|-------|
| San Andres | 800'  |
| Glorieta   | 2000' |
| Abo        | 4100' |
3. ESTIMATED DEPTHS TO WATER, OIL OR GAS FORMATIONS:

|               |                 |
|---------------|-----------------|
| Fresh water - | surface to 250' |
| Gas           | - 4100' in Abo  |
4. PROPOSED CASING PROGRAM: See Form 9-331C
5. PRESSURE CONTROL EQUIPMENT: Blowout preventer stack will consist of at least a double-ram blowout preventer rated to 3000# WP. A sketch of the BOP is attached.
6. CIRCULATING MEDIUM: Natural fresh water mud will be used as the circulating medium to about 4100'. Additives will be used as recommended by the Mud Engineer. The Abo portion of the hole will be drilled using a Salt/Oil system with mud weight of 10#/gal.
7. AUXILIARY EQUIPMENT: Full-opening kelly cock, to fit the drill string in use, will be kept on the rig floor at all times.
8. TESTING, LOGGING AND CORING PROGRAM:

|          |                                                                                                                           |
|----------|---------------------------------------------------------------------------------------------------------------------------|
| Samples: | Run samples at 10' intervals from surface to TD.                                                                          |
| DST's:   | Test zones as recommended by wellsite geologist.                                                                          |
| Logging: | Dual Laterolog and Compensated Neutron/Density log with Gamma Ray and Caliper will be run from surface casing shoe to TD. |
| Coring:  | None planned.                                                                                                             |

9. ABNORMAL PRESSURES, TEMPERATURES OR HYDROGEN SULFIDE:  
None anticipated. Maximum bottom-hole pressure should not exceed 1500 psi.
10. ANTICIPATED STARTING DATE: Drilling will commence about May 25, 1982. Drilling should be completed within 21 days. Completion operations (perforations and stimulation) will follow drilling operations.

BERGE EXPLORATION, INC.  
No. 14 Dale Federal  
SW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 27-7S-26E  
Chaves County, NM  
LC 067811-A

ROSWELL

Bosque Draw

Haystack Mountain

DISTRICT-6

RAILROAD

5.2 Mi. COUNTY ROAD

Six Mile Draw

NATURAL Draw

Crosey Draw

ROSWELL

Haystack Mountain

SMITH

LAKE

ROSWELL 15.8 Mi. Hwy 70

FRAZIER

LLOYDS

CANYON

CAMPBELL

T. 8

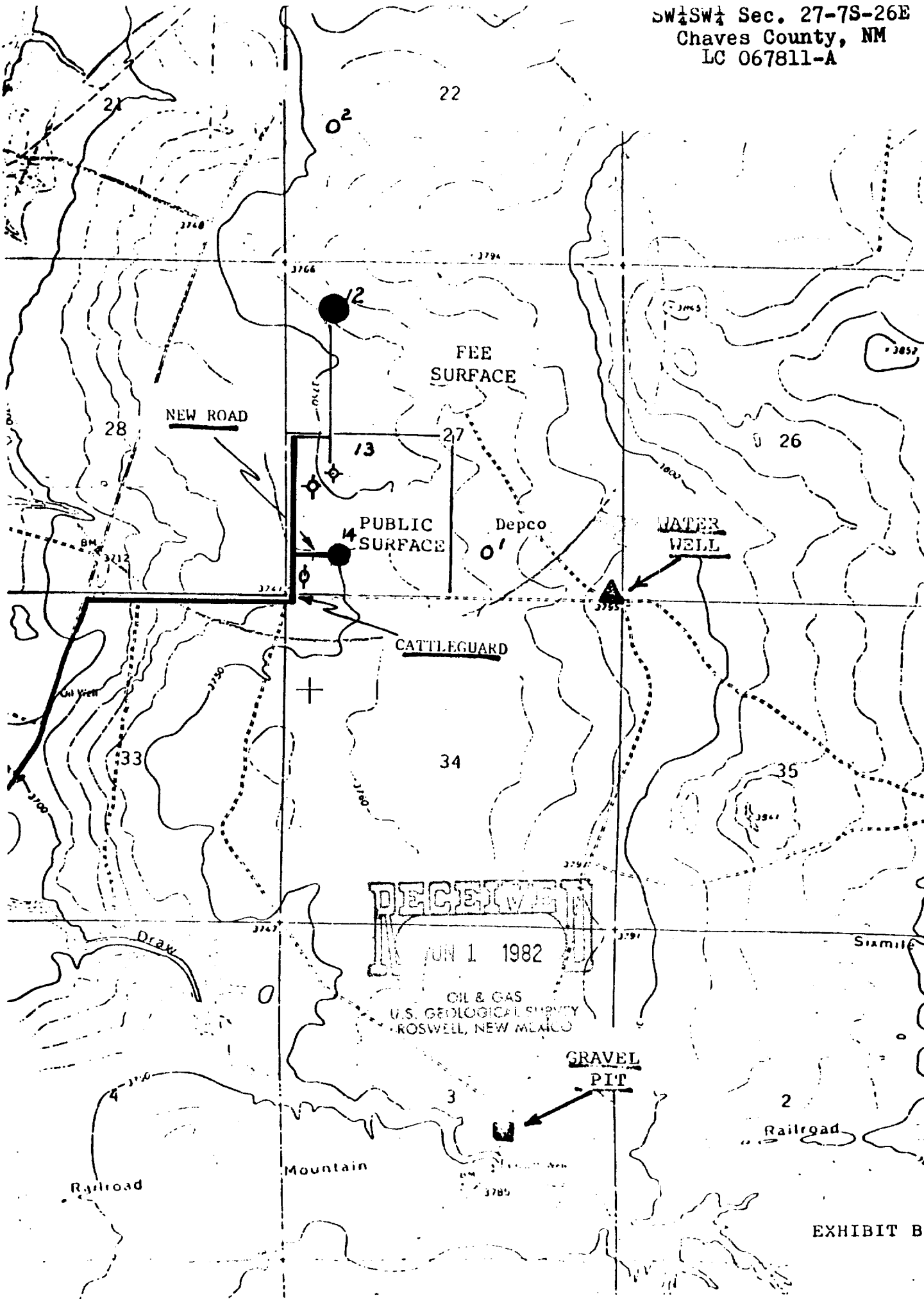
T. 9

EXHIBIT A

T. 9 S.

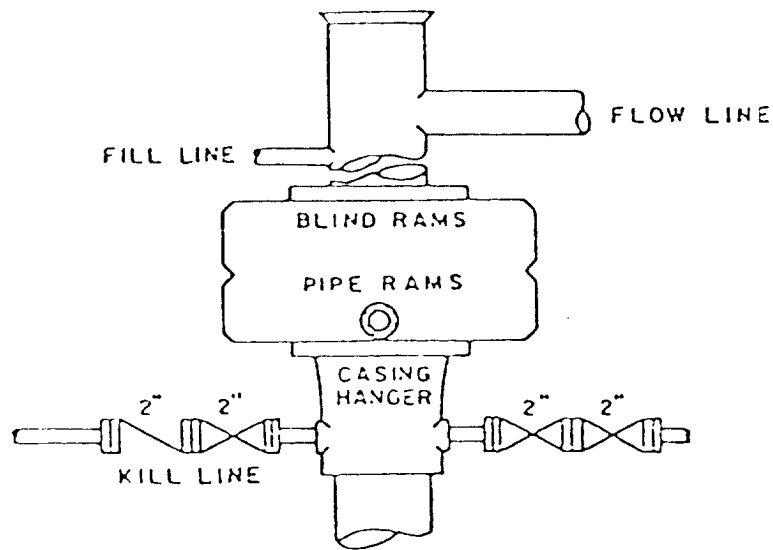
EXHIBIT A

SW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 27-7S-26E  
Chaves County, NM  
LC 067811-A



DECEMBER  
JUN 1 1982  
OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

BERGE EXPLORATION, INC.  
No. 14 Dale Federal  
SW $\frac{1}{4}$ SW $\frac{1}{4}$  Sec. 27-7S-26E  
Chaves County, NM  
LC 067811-A



BOP STACK

3000 PSI WORKING PRESSURE  
TEST RAMS DAILY