

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

30-043-20505

5. LEASE DESIGNATION AND SERIAL NO.  
NM-11928

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
BOC

9. WELL NO.  
1

10. FIELD AND POOL, OR WILDCAT  
Wildcat pc

11. SEC., T., R., M., OR BLE.  
AND SURVEY OR AREA  
Sec. 10, T22N, R1W

12. COUNTY OR PARISH  
Sandoval

13. STATE  
New Mexico

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER W.C.

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Coleman Oil &amp; Gas, Inc.

## 3. ADDRESS OF OPERATOR

Drawer 3337

Farmington, New Mexico 87401

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

At surface

1570' FSL, 810' FWL

At proposed prod. zone

Same

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

4 miles Southeast Regina, New Mexico

## 15. DISTANCE FROM PROPOSED\*

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

810'

## 16. NO. OF ACRES IN LEASE

1018.46

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.

None

## 19. PROPOSED DEPTH

1900 Pictured Cliffs

## 20. ROTARY OR CABLE TOOLS

Rotary

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

7677 Gr

## 22. APPROX. DATE WORK WILL START\*

9-30-1980

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | QUANTITY OF CEMENT |
|--------------|----------------|-----------------|---------------|--------------------|
| 11           | 7-5/8          | 24#             | 100           | 100 SX CIRC        |
| 6-3/4        | 4-1/2          | 9.5#            | 1900          | 250 SX CIRC        |

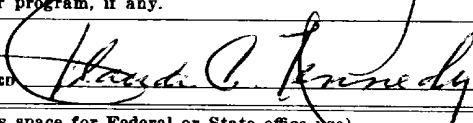
See NTL-6 Attachments.

Gas is not dedicated.

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



TITLE

Agent

DATE

8-8-1980

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

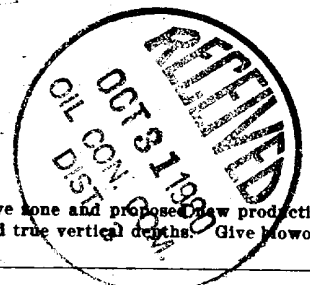
CONDITIONS OF APPROVAL, IF ANY

TITLE

DATE

\*See Instructions On Reverse Side

NMOC



## OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088  
SANTA FE, NEW MEXICO 87501Form C-107  
Revised 10-1-78

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

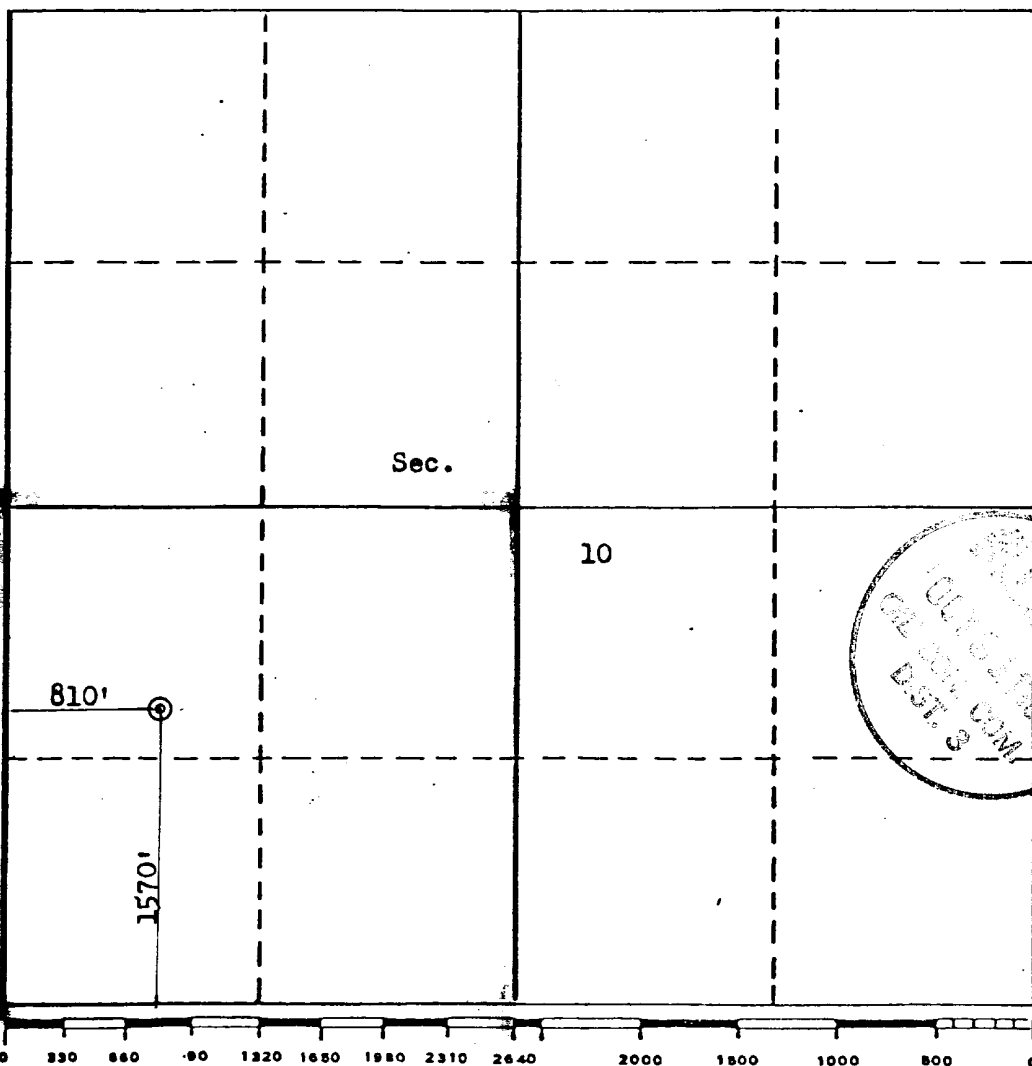
|   |   |                        |                        |  |                      |
|---|---|------------------------|------------------------|--|----------------------|
| Operator<br><b>COLEMAN OIL &amp; GAS, INC</b>   |   |                        | Lease<br><b>BOC</b>    |  | Well No.<br><b>1</b> |
| Unit Letter<br><b>L</b>   | Section<br><b>10</b>                          | Township<br><b>22N</b> | Range<br><b>1W</b>     | County<br><b>Sandoval</b>              |                      |
| Actual Footage Location of Well:<br><b>1570</b> feet from the <b>South</b> line and <b>810</b> feet from the <b>West</b> line |   |                        |                        |  |                      |
| Ground Level Elev.<br><b>7677</b>   | Producing Formation<br><b>Pictured Cliffs</b> |                        | Pool<br><b>Wildcat</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.) \_\_\_\_\_

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 Commission.



## CERTIFICATION

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

Name

Claude C. Kennedy

Position

Agent

Company

Coleman Oil &amp; Gas, Inc.

Date

8-8-1980

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

August 5, 1980

Registered Professional Engineer  
and/or Land Surveyor

Fred B. Kerr Jr.

Certification No.

3950

FRED B. KERR, JR.

COLEMAN OIL & GAS, INC.

FORMATION INFORMATION AND DRILLING PRACTICE

WELL: #1 BOC

LOCATION:

1570'FSL, 810'FWL  
Section 10, T22N, R1W  
Sandoval County, New Mexico

LEASE NUMBER:

NM-11928

SUPPLEMENT TO FORM 9-331C

WELL: NO. 1 BOC

1. SURFACE FORMATION OF DRILL SITE: Tertiary Wasatch

2. ESTIMATED FORMATION TOPS:      Top Ojo                      1500  
   Base Ojo                      1580  
   Pictured Cliffs              1800  
   TD                              1900

3. WATER AND HYDROCARBON FORMATIONS:  
   Gas                              1800

4. CASING AND CEMENT PROGRAM:

Surface: 7-5/8, 24#, K-55, new casing to be set at 100',  
Cement will be 100 sx, Class B plus 2% CaCl,  
or adequate to circulate.

Production:

4½, 9.5#, K-55, new casing to be set at 1900'.  
Cement will be 250 sx, approx 100 sx 50-50 pozmix  
slurry followed by approx 150 sx Class 'B' plus  
2% CaCl, or adequate to circulate.

5. Specifications for pressure control equipment.

The attached schematic shows the type of blow out preventer to be used while drilling. The unit will be tested to 200 psi as soon as possible after its installation on the surface pipe. Testing will be done with the rig pump. This is a manual type preventer, and its operation will be manually checked when practical.

6. Drilling fluids.

| Depth    | Type       | Viscosity | Weight  | Fluid Loss(cc) |
|----------|------------|-----------|---------|----------------|
| 0-100    | Gel-lime   | 35-45     | 8.6-9.0 | N/C            |
| 100-1900 | Low-solids | 29-33     | 8.4-8.8 | 15             |

7. Auxiliary equipment.

- a. bit float.
- b. full opening stabbing valve to be used when kelly is not in the string.

8. Logging - Coring - Testing.

Logging: Induction Electric Log, Formation Compensated Density, Gamma Ray Caliper.

9. ABNORMAL TEMPERATURES, PRESSURE, OR HAZARDOUS CONDITIONS:

None Expected.

10. STARTING DATE:

Anticipated starting date is 9-30-1980.

Approximately 10 days will be needed to build roads and location and drill the well to total depth. If commercial, completion will commence immediately and require ten days.



# SHAFFER HYDRAULIC BLOWOUT PREVENTERS

(Patented)

TYPE LWS PREVENTERS—8", 3000 lb. & 5000 lb.—10", 5000 lb.  
12", 3000 lb.—13 7/8", 5000 lb.—16", 3000 lb.

## PARTS AND DIMENSIONAL ILLUSTRATIONS

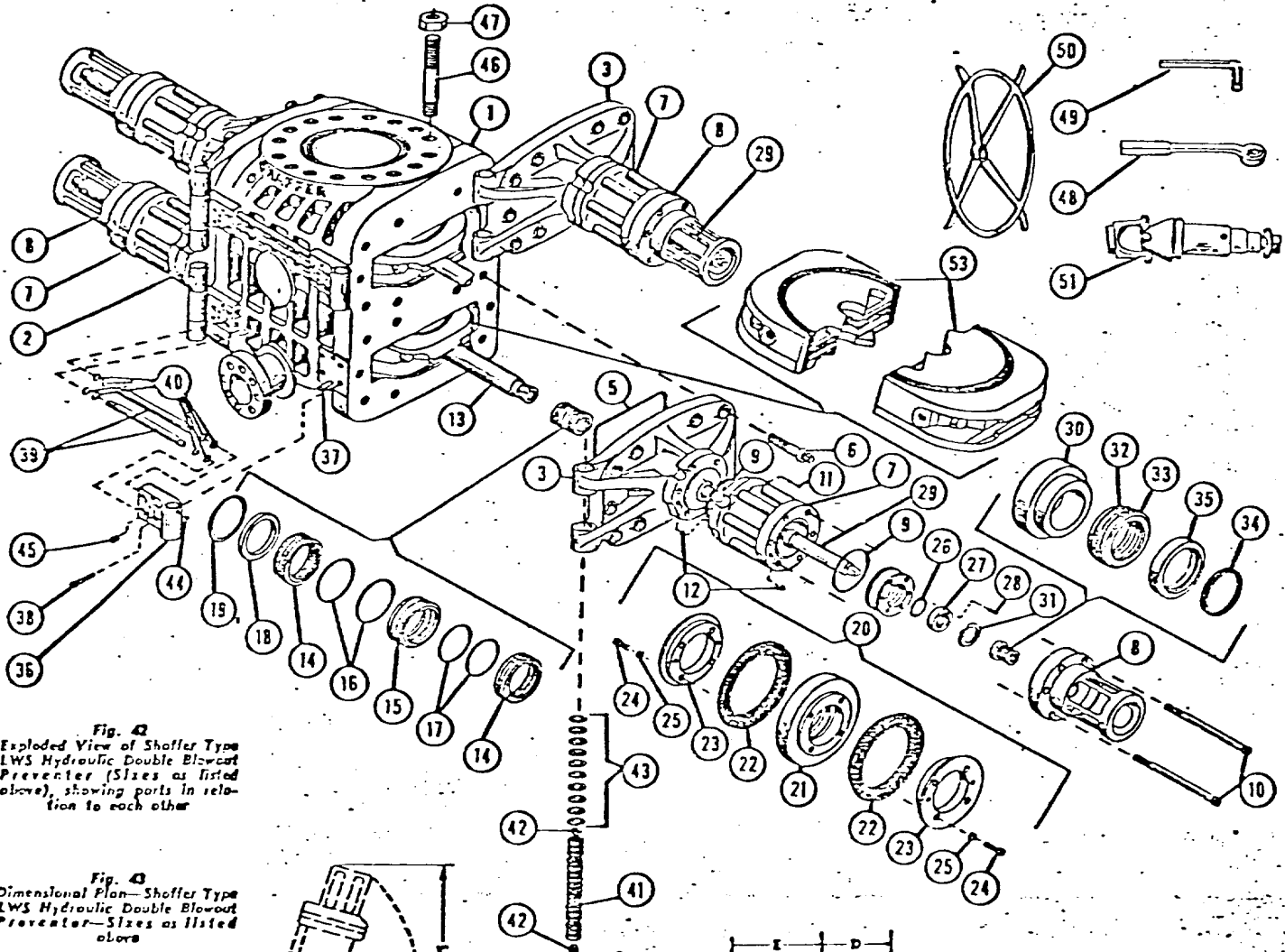


Fig. 42  
Exploded View of Shaffer Type LWS Hydraulic Double Blowout Preventer (Sizes as listed above), showing parts in relation to each other

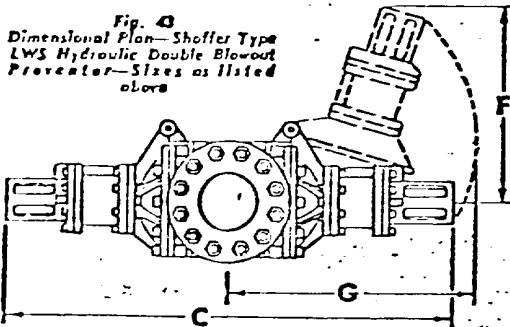
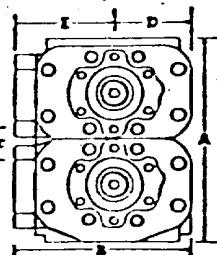


Fig. 43  
Dimensional Plan—Shaffer Type LWS Hydraulic Double Blowout Preventer—Sizes as listed above

Fig. 44  
Dimensional End Elevation—Shaffer Type LWS Hydraulic Double Blowout Preventer—Sizes as listed above



### STANDARD ACCESSORIES

- (50) 4 Hand Wheels
- (48) 1 Door Wrench
- (49) 1 Cylinder & Cylinder Head Wrench
- (51) 4 Universal Joints

### DIMENSIONAL AND ENGINEERING DATA ON ABOVE SIZES OF TYPE LWS PREVENTERS

Refer to Figs. 43 and 44

| Size    | Max. Service Pressure Working psi | Test Pressure psi | Vertical Load | Max. Port Size | Approx. Weight Lbs. |        | A              |             |                |             | B       | C       | D       | E       | F   | G   | Closing Ratio | Opening Ratio | U.S. Gals. Fluid To Close Rams | U.S. Gals. Fluid To Open Rams |
|---------|-----------------------------------|-------------------|---------------|----------------|---------------------|--------|----------------|-------------|----------------|-------------|---------|---------|---------|---------|-----|-----|---------------|---------------|--------------------------------|-------------------------------|
|         |                                   |                   |               |                | Studded Flange      |        | Height         |             |                |             |         |         |         |         |     |     |               |               |                                |                               |
|         |                                   |                   |               |                | Studded Flange      |        | Single         |             | Double         |             |         |         |         |         |     |     |               |               |                                |                               |
|         |                                   |                   |               |                | Single              | Double | Studded Flange | Ball Flange | Studded Flange | Ball Flange |         |         |         |         |     |     |               |               |                                |                               |
| 8"      | 2,000                             | 8,000             | 8"            | 7"             | .....               | 2,500  | .....          | .....       | 26 1/2"        | 41 1/2"     | 25 1/2" | 75 1/2" | 11 1/2" | 14 1/2" | 22" | 48" | 5.8 to 1      | 1.15 to 1     | 2.75                           | 2.2                           |
| 10"     | 2,000                             | 10,000            | 10"           | 9"             | .....               | 2,500  | .....          | .....       | 26 1/2"        | 45 1/2"     | 25 1/2" | 75 1/2" | 11 1/2" | 14 1/2" | 22" | 48" | 5.8 to 1      | 1.15 to 1     | 2.75                           | 2.2                           |
| 12"     | 2,000                             | 10,000            | 12"           | 11"            | 1 1/2"              | 5,000  | 24 1/2"        | 24 1/2"     | 23"            | 50 1/2"     | 21 1/2" | 82 1/2" | 12 1/2" | 18"     | 22" | 48" | 5.8 to 1      | 1.15 to 1     | 2.25                           | 2.7                           |
| 13 7/8" | 2,000                             | 6,000             | 13 7/8"       | 10 1/2"        | .....               | 4,300  | .....          | .....       | 24 1/2"        | 47 1/2"     | 21 1/2" | 67 1/2" | 12 1/2" | 18 1/2" | 22" | 48" | 5.8 to 1      | 1.15 to 1     | 2.25                           | 2.9                           |
| 16"     | 2,000                             | 10,000            | 16"           | 10 1/2"        | 1 1/2"              | 5,200  | 26 1/2"        | 26 1/2"     | 26 1/2"        | 49 1/2"     | 23 1/2" | 67 1/2" | 14 1/2" | 18 1/2" | 41" | 64" | 5.8 to 1      | 1.15 to 1     | 2.25                           | 2.9                           |
| 16"     | 2,000                             | 8,000             | 16"           | 10 1/2"        | .....               | 4,500  | .....          | .....       | 26 1/2"        | 41"         | 23 1/2" | 67 1/2" | 14 1/2" | 18 1/2" | 22" | 60" | 5.8 to 1      | 1.15 to 1     | 2.8                            | 2.2                           |

13 POINT SURFACE USE PLAN:

Coleman Oil & Gas, Inc.  
#1 BOC  
Sec. 10, T22N, R10W  
FWL, FSL  
Sandoval County, New Mexico  
Lease: NM-11928

1. EXISTING ROADS: (Shown in Green)

The attached topographic map shows all existing roads within (3) miles of the proposed location. All roads are in fair condition and will require a minimal amount of work to upgrade them to handle normal drilling activity traffic.

2. PLANNED ACCESS ROAD (Shown in Red)

Width: 20' flat bladed.

Maximum Grades: 2% or less, road is flat.

New road required: 100' & improve existant trail

No cut, fill, turnouts, culverts or gates will be required.

Water bars will be consistant with existing drainage pattern.

3. LOCATION OF EXISTING WELLS:

Map attached.

4. LOCATION OF EXISTING OR PROPOSED PRODUCTION FACILITIES:

A. All production facilities are to be contained within the proposed location.

B. Production facilities are present on wells as per 3. above.

5. LOCATION AND TYPE OF WATER SUPPLY: Private Owned @ Lindrith, New Mexico

6. SOURCE OF CONSTRUCTION MATERIAL:

Any construction material required for road or location will be excess materials accumulated during building of such sites.

7. METHOD FOR HANDLING WASTE DISPOSAL:

1. The cuttings will be retained in the reserve pit.

2. Drilling fluids will be contained in a reserve pit or mud tanks until well is completed.

3. Oil will be collected in tanks. Little or no water is anticipated at this location. If volume of oil is sufficient, it will be trucked from location.

4. A portable toilet will be provided.

5. A fenced pit will be provided for trash. The trash pit will be enclosed with small mesh wire. The reserve pit will be fenced.

6. Location and mud pits will be leveled and seeded as soon as feasible after well is completed. The area will be cleaned of all trash and materials.

13 POINT SURFACE USE PLAN - continued

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8. ANCILLARY FACILITIES:

No camps or airstrips will be constructed.

9. WELL SITE LAYOUT:

The attached layout shows the drilling rig with all supporting facilities. Cut and fill, required for pad construction, is also shown.

10. SURFACE RESTORATION PLANS:

Restoration of the well site and access road will begin within 90 days of well completion, weather permitting.

Should the well be abandoned, the drilling site will be reshaped to its approximate former contour. The access road will be plowed and leveled. Both road and location will have top soil replaced and will be reseeded when germination can occur.

Should the well be commercial, that portion of location not needed for operation will be repaired as above. The portion of the location needed for daily production operations, and the access road, will be kept in good repair and clean.

In either case, cleanup of the site will include burning any safely burnable material, filling of all pits, and proper disposal of any nonburnable material that can not be safely buried. Any oil that has accumulated on the pits will be trucked away.

11. OTHER INFORMATION:

A. General topography of the area may be seen on the attached map.

B. There were no archaeological or cultural sites visible on the location. The archaeologist's report is forthcoming.

C. Animal life: Both small & large wild species

D. Dwellings: None

E. Drainage: To the southwest

F. Surface Owner: Santa Fe National Forest

G. General location: West Slope - San Pedro Mountains

12. OPERATOR REPRESENTATIVES:

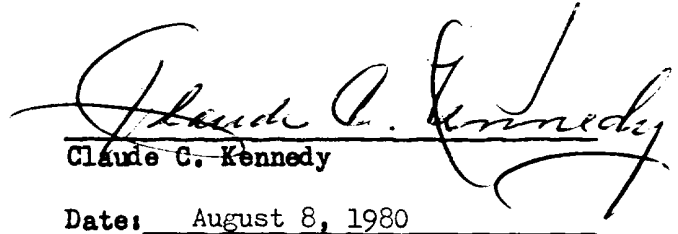
Claude C. Kennedy  
6109 Del Campo Place, N.E.  
Albuquerque, New Mexico 87109  
Phone: (505) 883-9624

13 POINT SURFACE USE PLAN - continued

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13. CERTIFICATION:

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

  
Claude C. Kennedy

Date: August 8, 1980



WELLS IN THE GENERAL AREA

NEAREST KNOWN PRODUCTION - Kpc

NW $\frac{1}{4}$ , Sec. 19, T23N, R1W

NE $\frac{1}{4}$ , Sec. 30, T23N, R1W

1980 Reported Gas Completion

NW $\frac{1}{4}$ , Sec. 30, T23N, R1W

1980 - Drilled - WOCT

DRY HOLE

NW $\frac{1}{4}$ , Sec. 23, T23N, R1W

TD 3875 Gallup

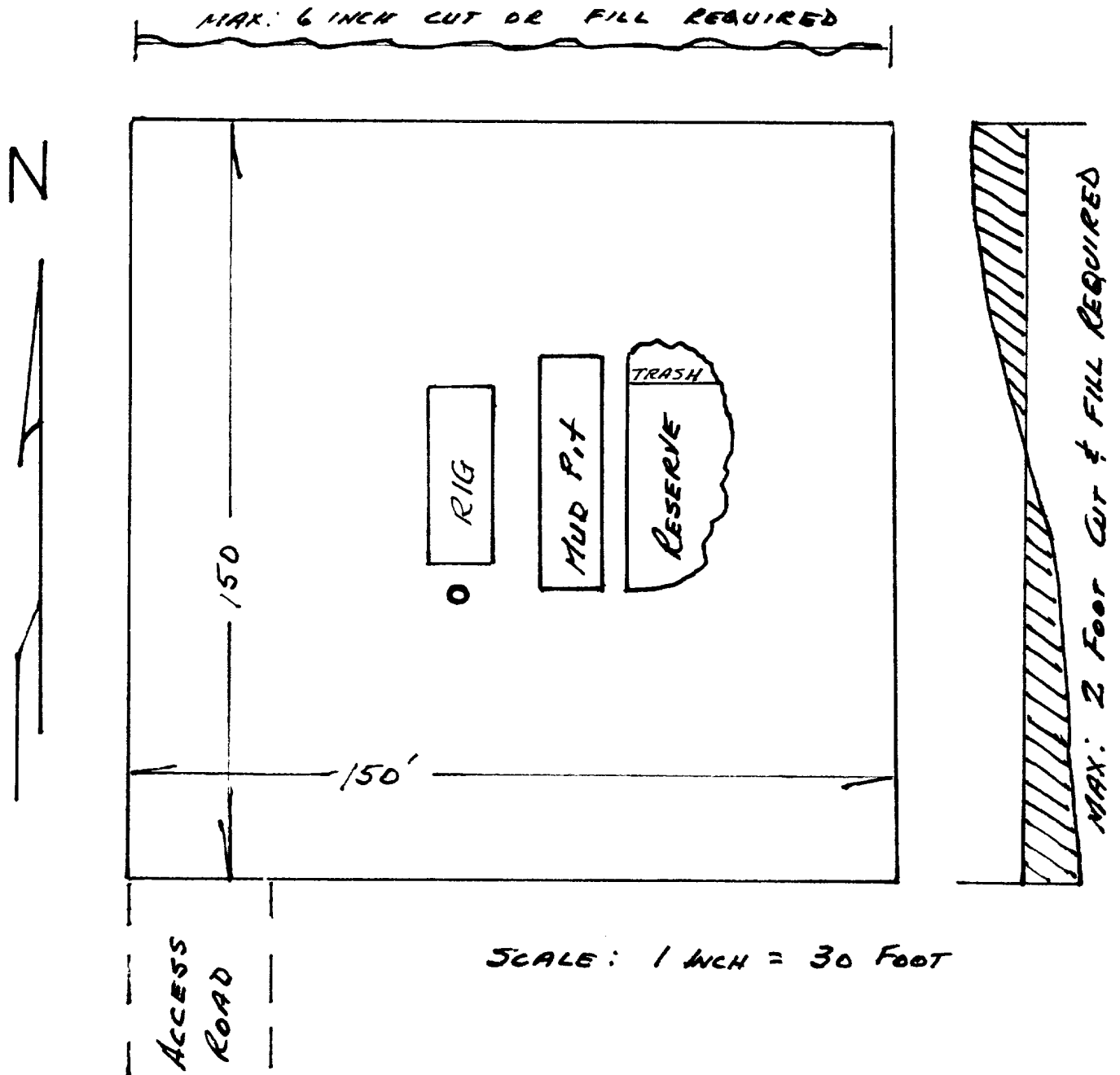
Spud in Mesaverde

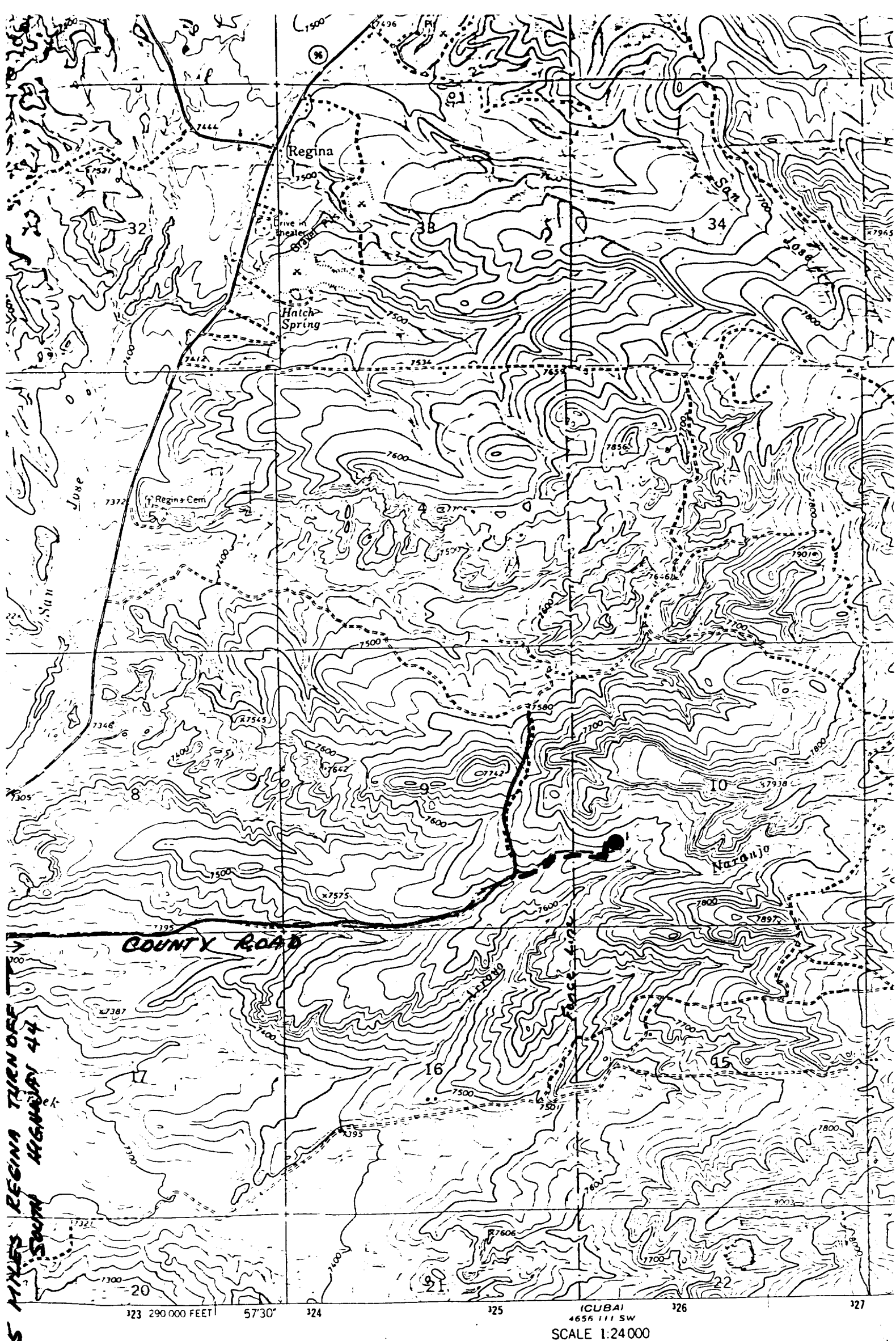
TOWNSHIP 22 NORTH, RANGE 1 WEST

NO PRIOR DRILLING WITHIN THE TOWNSHIP

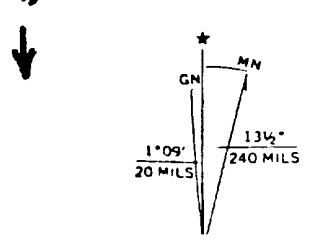
# LOCATION LAYOUT

COLEMAN OIL & GAS, INC.  
#1 BOC  
SEC. 10, T22N, R1W





5 MILES REGINA TURN OFF  
SOUTH HIGHWAY 44



Vicinity Map for  
COLEMAN OIL & GAS INC. #1 BOC  
1570'FSL 810'FWL Sec. 10-T22N-RLW  
SANDOVAL COUNTY, NEW MEXICO

SCALE 1:24 000

