

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

(Other instructions on
reverse side)

Budget Bureau No. 42-21425.

30-045-22871
5. LEASE DESIGNATION AND SERIAL NO.
NM-03549

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Bolack

9. WELL NO.
1

10. FIELD AND POOL OR WILDCAT
Dakota

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

Sec. 29, T28N, R8W

12. COUNTY OR PARISH
San Juan

13. STATE
New Mexico

17. NO. OF ACRES ASSIGNED
TO THIS WELL
S/320

22. APPROX. DATE WORK WILL START
March 9, 1977

20. ROTARY OR CABLE TOOLS
Rotary.

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

19. PROPOSED DEPTH
+ 6859'

16. NO. OF ACRES IN LEASE
320

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

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

See point 1: B & C of Surface Use Plan

13. STATE

12. COUNTY OR PARISH

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

10. FIELD AND POOL OR WILDCAT

9. WELL NO.

8. FARM OR LEASE NAME

7. UNIT AGREEMENT NAME

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

5. LEASE DESIGNATION AND SERIAL NO.

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

At surface

2510' FWL and 1450' FSL

At proposed prod. zone

3. ADDRESS OF OPERATOR

Tenneco Oil Company

2. NAME OF OPERATOR

1. TYPE OF WORK

DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐ GAS WELL ☒ OTHER ☐

SINGLE ZONE ☐ MULTIPLE ZONE ☐

24.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

b. TYPE OF WELL

2. NAME OF OPERATOR

3. ADDRESS OF OPERATOR

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

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. unit line, if any)

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

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

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# | + 250' | Suff. to circulate to surface |
| 8-3/4" | 7" | 23# | +2554' | Suff. to circulate to surface |
| 6-1/4" | 4-1/2" | 10.5# | +6859' | |

1- The geologic name of this surface formation is (San Jose Eocene/~~Nacimiento~~)

2&3- Formation Tops (Estimated)

| | | |
|-----------------|---------|------------------------------|
| Fruitland | + 1959' | Possible oil or gas producer |
| Pictured Cliffs | + 2259' | Possible oil or gas producer |
| Lewis Shale | + 2349' | Possible oil or gas producer |
| Mesa verde | + 3894' | Possible oil or gas producer |
| Mancos Shale | + 4869' | Possible oil or gas producer |
| Gallup | + 5664' | Possible oil or gas producer |
| Greenhorn | + 6439' | Possible oil or gas producer |
| Dakota | + 6544' | Possible oil or gas producer |

4- Run 9-5/8" OD, K-55, new casing to +250' and circulate Class B cement w/3% CaCl₂ to surface. Run 7" OD, K-55, new casing to + 2554' and cement with 65/35 poz mix w/12% Gel, and 12-1/4 lb/sack of Gilsontite. Tail in w/Class B cement w/2% CaCl₂. Circulate to surface. If productive, run 4-1/2" OD, K-55, new casing to TD and cement in two stages with same mixture as in the 7" casing. Casing head will be a 10" 900 series with a 3000 psi rating.

5- Blowout preventors: Hydraulic, double ram, 10". One set of rams will be provided for 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" with variable choke. BOP's will be installed, tested and in working order before drilling below surface casing and shall be maintained ready for use until drilling operations are completed. BOP's, drills, and tests will be recorded in the IADC Drilling report. They shall be checked every 24 hours. All rig equipment will be tested to above BOE ratings.

6- We will use: spud mud from 0-250'; fresh water gel w/chemicals - low solids mud as needed to maintain good hole conditions from +250' - +2900'; compressed air from +2900' - TD. Quantities of mud will vary with conditions encountered.

7- Auxiliary Equipment

- Kelly cock will be in use at all times.
- Stabbing valve to fit drill pipe will be present on floor at all times.
- Mud monitoring will be visual, no abnormal pressures are anticipated in 60' area.
- Floats at bits.
- Drill string safety valve(s) to fit all pipe in the drill string will be maintained on the rig floor while drilling operations are in progress.
- Rotating head will be used while drilling with gas.

8- An AOF test will be taken at the completion of this well. No cores will be taken. Gamma Ray and Compensated Density logs will be run. Any other evaluation that may be necessary during the drilling of this well will be conducted as needed.

9- No abnormal pressures or temperatures are anticipated. See point #5 for blowout prevention equipment.

10- The drilling of this well will take approximately ten days. The gas is not yet contracted

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 prevention program, if any.

24.

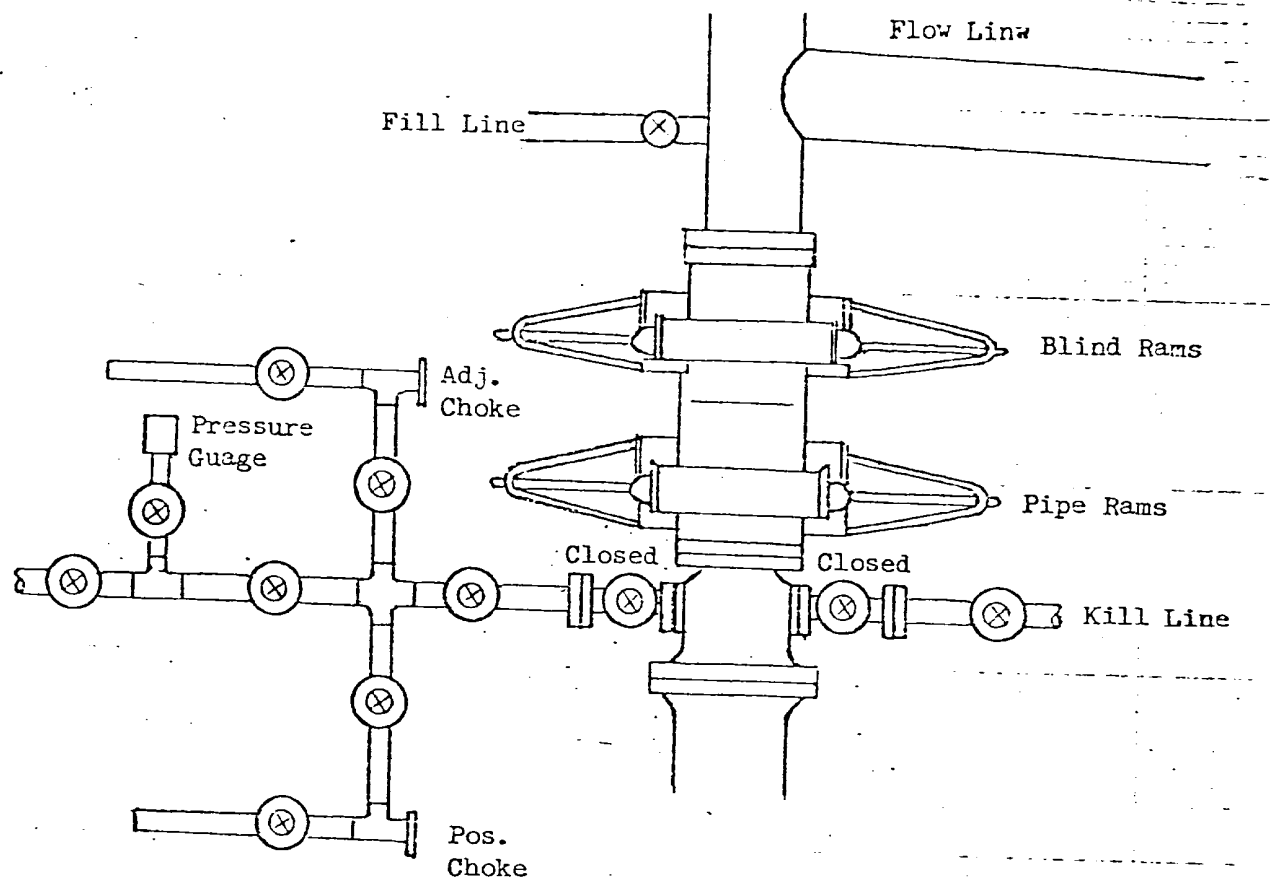
SIGNED D.D. Myers TITLE Div. Production Manager DATE 1-9-78

(This space for Federal or State office use)

RECEIVED

PERMIT NO. APPROVAL DATE JAN 12 1978

Okaf



All valves 2"

All BOPs, flanges, spools, valves, & lines must be series 900 or 3000 psi working press.

Choke manifold must be at ground level and extended out from under substructure.

TENNECO OIL COMPANY

REQUIRED MINIMUM BLOWOUT PREVENTOR

HOOKUP

Denver, Colorado

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

35215
35213

Form C-102
Supersedes C-128
Effective 1-1-65

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

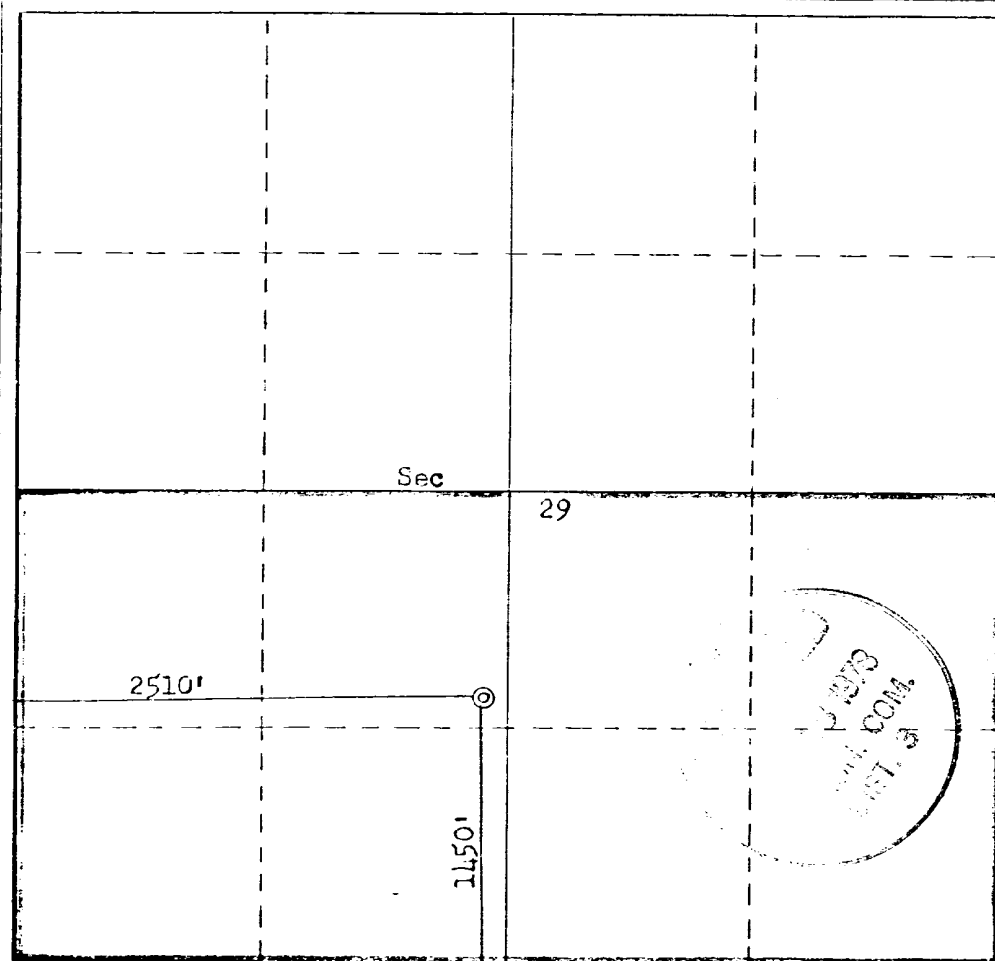
| | | | | | |
|--|--------------------------------------|------------------------|-----------------------------|-------------------------------------|----------------------|
| Operator Tenneco Oil Company | | | Lease # Bolack | | Well No. 1 |
| Unit Letter K | Section 29 | Township 28N | Range 8W | County San Juan | |
| Actual Footage Location of Well: 1450 feet from the South line and 2510 feet from the West line | | | | | |
| Ground Level Elev. 5954 | Producing Formation Dakota | | Pool Basin Dakota | Dedicated Acreage: 320.00 | S/2 Acres |

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure 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 Communitization is in progress.

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) None have been consolidated as yet.

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.



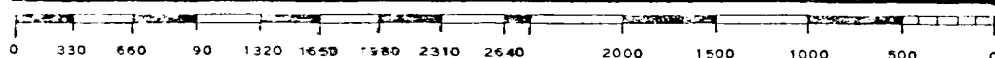
CERTIFICATION

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

Name Ted D. Drake
Position
Production Analyst
Company
Tenneco Oil Company
Date
January 3, 1978

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
December 21, 1977
Registered Professional Engineer
and/or Land Surveyor
Fred B. Kerr Jr.
Certificate No.
3950



BLM SEEDING REQUIREMENTS
IN THE FARMINGTON RESOURCE AREA

1. SEED MIXTURE 1

2. TIME:

All seeding will take place between July 1 and September 15.

3. EQUIPMENT:

Seeding will be done with a disc-type drill with two boxes for various seed sizes. The drill rows will be eight to ten inches apart. The seed will be planted not less than one-half inch deep or more than one inch deep. The seeder will be followed with a drag, packer, or roller to insure uniform coverage of the seed, and adequate compaction. Drilling will be done on the contour where possible, not up and down the slope. Where slopes are too steep for contour drilling, a "cyclone" hand seeder or similar broadcast seeder will be used. Seed will then be covered to the depth described above by whatever means is practical.

4. SPECIES TO BE PLANTED IN POUNDS PURE-LIVE-SEED PER ACRE:

CRESTED WHEATGRASS (Agropyron desertorum) - 2½ lbs.

SMOOTH BROME (Bromus inermis) - 2½ lbs.

FOURWING SALT BUSH (dewinged) (Atriplex canescens) - ½ lb.

NOMAD ALFALFA (Medicago sitiva) - 1 lb.

BLM COLOR REQUIREMENTS
IN THE FARMINGTON RESOURCE AREA

1. All equipment shall be painted to match the surrounding area.