

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐

GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☒

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

BTA OIL PRODUCERS

3. ADDRESS OF OPERATOR

104 South Pecos Midland, Texas 79701

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

At surface

660' FNL & 660' FWL

At proposed prod. zone

Wolfcamp & Devonian

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

22 miles west from Jal, New Mexico

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

640

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

320

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

None

19. PROPOSED DEPTH

18,500'

20. ROTARY OR CABLE TOOLS

Rotary

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

3339' GR

22. APPROX. DATE WORK WILL START\*

December 1, 1978

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
26"	20"	94#	900'	2800 sx
17-1/2"	13-3/8"	61, 68&72#	4800'	4000 sx
12-1/4"	9-5/8"	47, 53.5#	13000'	3800 sx
8-1/2"	7-3/4"	46.1#	12600'-16900'	1300 sx
6-1/2"	5"	23.2#	16500' - TD	350 sx

OCD ADVISED they were approving this NSL

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U. S. GEOLOGICAL SURVEY  
HOBBS, NEW MEXICO

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

*Bob K. Newland*

BOB K. NEWLAND

TITLE

Regulatory Supervisor

DATE

11/2/78

(This space for Federal or State office use)

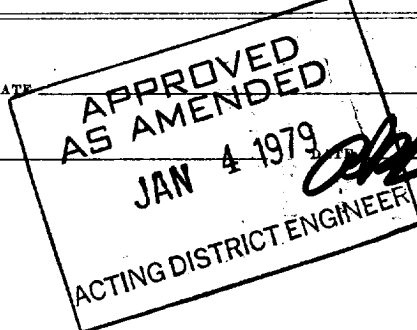
PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

CONDITIONS OF APPROVAL, IF ANY:



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JAN 9 1979

OIL CONSERVATION COMM.  
HOBBES, N. H.

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION

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

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

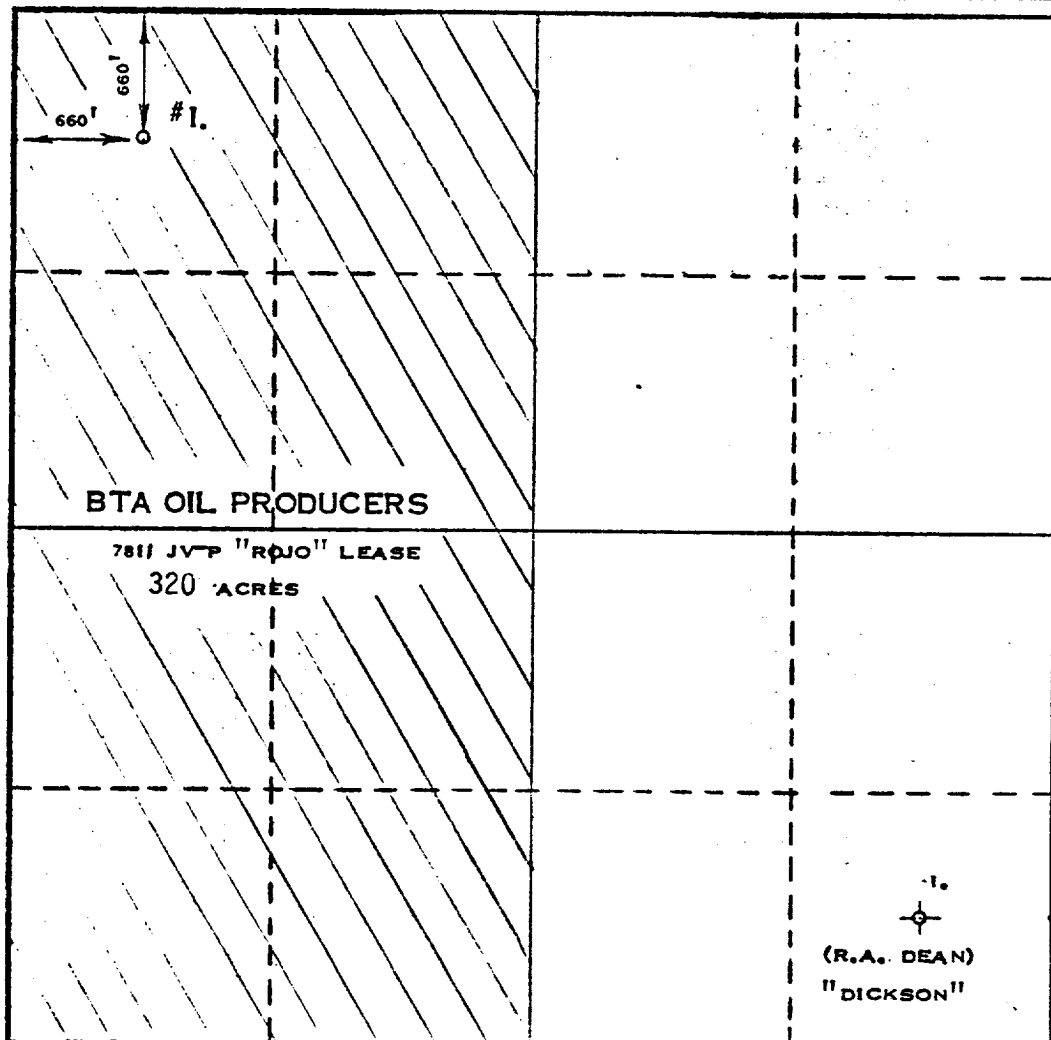
Operator <b>BTA OIL PRODUCERS</b>		Lease <b>7811 JV-P ROJO</b>		Well No. <b>I</b>
Unit Letter <b>"D"</b>	Section <b>27</b>	Township <b>-25-S</b>	Range <b>-33-E</b>	County <b>LEA</b>
Actual Footage Location of Well: 660 feet from the <b>NORTH</b> line and 660 feet from the <b>WEST</b> line				
Ground Level Elev. <b>3339</b>	Producing Formation <b>WILDCAT DEVONIAN</b>		Pool <b>WILDCAT</b>	Dedicated Acreage: <b>320</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 Communitization

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  
**BOB K. NEWLAND**  
Position  
**Regulatory Supervisor**  
Company  
**BTA OIL PRODUCERS**  
Date  
**11-2-78**

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  
**OCTOBER 20, 1978**

Registered Professional Engineer and/or Land Surveyor  
**MAX A. SCHUBANN JR.**

Certificate No. **1510**

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OIL CONSERVATION COMM.  
HOODS, N. M.



BTA OIL PRODUCERS

PARTNERS  
CARLTON BEAL  
CARLTON BEAL, JR.  
BARRY BEAL  
SPENCER BEAL  
KELLY BEAL

104 SOUTH PECOS  
MIDLAND, TEXAS 79701  
AC 915-682-3753

November 22, 1978

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U. S. GEOLOGICAL SURVEY  
DALLAS, TEXAS

Re: Additional Information  
BTA - 7811 JV-P Rojo, Well #1  
Sec. 27, T-25-S, R-33E  
Lea County, New Mexico

DEPARTMENT OF INTERIOR  
UNITED STATES GEOLOGICAL SURVEY  
Box 1157  
Hobbs, New Mexico 88240

Attention: Mr. James Sims

Mr. Sims,

Pursuant to our telephone conversation today the following information is submitted to complete our application.

1. Geologic name of the surface formation - Quaternary
2. Estimated tops of important geologic markers - Delaware 4,800', Wolfcamp 13,200', Atoka 14,400', Mississippian 16,800' and Devonian 17,400'.
3. Estimated depths at which gas is expected - 13,200' Wolfcamp, 14,400' Atoka and 17,400' Devonian.
4. Proposed casing strings as noted on Form 9331-C will be new pipe.
5. Additives to be used with the cement program noted on Form 9331-C -  
20" 1st 2500 sx - 5# salt/ per sx, 1/4# flocele/ per sx. 300 sx. -  
2%  $\text{CaCl}_2$ / per sx. 13-3/8" - 4000 sx - 15# salt/per sx, 3# Gilsonite/  
per sx, 1/4# flocele/per sx. 9-5/8" - 3800 sx - 0.6% Halad - 9 per  
sx, 3# Gilsonite/per sx, 1/4# flocele/ per sx. 7-3/4" - 1300 sx -  
0.8% Halad - 22/per sx, 0.6% CFR-2/per sx, 5# KCL/per sx. 5" - 350 sx -  
0.8% Halad - 14/per sx, 0.3% HR-12/per sx, 17% SSA - 1/per sx.
6. BOP Test Procedures - Will test when installed to rated working pressure hydrostatically. Then test every two weeks with rig pump.

7. Type and Characteristics of the circulating mediums and types of mud and weighting material -
- 0-700' Will use Aquagel and lime to obtain sufficient viscosity to clean hole for surface casing. Will use Hy-Seal for seepage and cottenseed hulls and Fibertex for possible loss of circulation from 400' to 500'.
  - 700-4900' Will drill out with brine water treated with Con Det and Ben-Ex to retard solids build up. Will circulate controlled section of reserve pit. Will use Hy-Seal for seepage loss. To keep hole free of cuttings, will sweep hole with Flosal pills. For corrosion treatment, will use sodium chromate and Surflo H-35. Will maintain Ph with lime.
  - 4900'-5000' Will return mud system to steel pits. Will lower fluid loss, to existing fluids, with Impermex and Drispac. Will increase viscosity with Flosal or Sea Mud.
  - 5000-13000' Will drill out with fresh water and circulate a controlled section of the reserve pit. Will treat with Con Det and Ben-Ex to retard solids build up. Use Hy-Seal for seepage loss of fluid. Prior to setting casing will sweep hole with Flosal and lower fluid loss with Dextrid/Drispac. Will increase fluid weight with brine water should pressures be encountered that require greater density fluid than 8.6-8.9ppg. Will continue corrosion program.
  - 3000-17000' E-Z Oil Mud System. Will circulate steel pits. Will displace with E-Z Oil Mud System.
  - 17000'-17500' Will circulate steel pits with fresh water. Will lower filtrate to 5cc with Dextrid and HV Cellex at 100 feet prior to the Woodford.

There will be sufficient sacks of material and bulk Barite storage to maintain said mud system.

8. Logging Program -
- 5,000 - 13,000' GR-BHC & DILL 8
  - 13,000 - 14,400' GR-BHC & DILL 8 (HDT if needed)
  - 14,400 - TD GR-FDC-CNL\*, BHC, DLL 9 (HDT if needed)
- \*If adverse hole conditions are encountered, will run GR-BHC.
9. Anticipated abnormal pressures or temperatures - Yes, Wolfcamp and Pennsylvanian zones. No H<sub>2</sub>S.

BTA OIL PRODUCERS  
November 22, 1978  
Page 3

10. Plans for mitigating such hazards - Mud weight.
11. Duration of drilling operation - 6 months.

Jim, I hope this additional information will suffice.

Yours very truly,

A handwritten signature in cursive script that reads "Bob K. Newland".

BOB K. NEWLAND  
For BTA Oil Producers

BKN/dh

Enclosures

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OIL CONSERVATION COMM.  
ROCKS, N. M.