

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 & 1980' FEL

At proposed prod. zone

Same as above

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

5 miles Southwest 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

320

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

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

None

19. PROPOSED DEPTH

3700'

20. ROTARY OR CABLE TOOLS

Rotary

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

2926' GL

22. APPROX. DATE WORK WILL START*

August 1, 1980

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#	1400'	1000 sx Circulate
7-7/8"	5-1/2"	15.5#	3700'	250 sx

See Attached BOP Diagram

RECEIVED

JUL 7 1980

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

TITLE Regulatory Supervisor

DATE 6/30/80

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

AUG 11 1980

DISTRICT SUPERVISOR

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Supersedes C-128
Effective 1-1-65

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

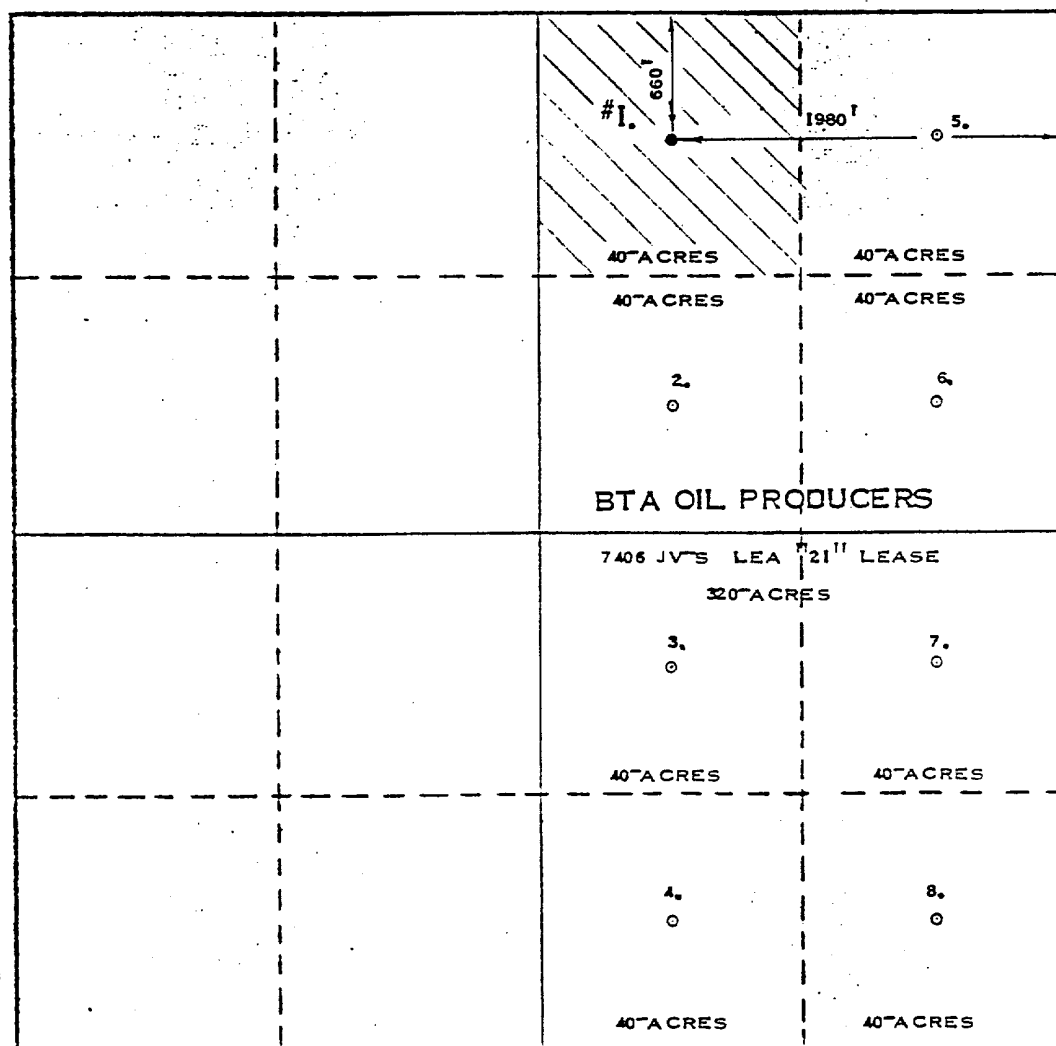
Operator BTA OIL PRODUCERS			Lease 7:406 JV-S LEA "21"		Well No. 1
Unit Letter "B"	Section 21	Township -26-S	Range -36-E	County LEA	
Actual Footage Location of Well:					
660 feet from the NORTH line and		1980 feet from the EAST line			
Ground Level Elev. 2926	Producing Formation TANSILL-YATES	Pool COMANCHE - STATE LINE		Dedicated Acreage: 40 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.

Bob K. Newland
Name

BOB K. NEWLAND

Position

Regulatory Supervisor

Company

BTA OIL PRODUCERS

Date

June 30, 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

APRIL 21, 1980

Registered Professional Engineer
and/or Land Surveyor

Max A. Schumann Jr.
MAX A. SCHUMANN JR.

Certificate No.

1510

0 330 660 990 1320 1650 1980 2310 2540 2000 1600 1000 500 0

BTA OIL PRODUCERS
DRILLING PROGRAM
7406 JV-S Lea "21" #1

Location:	660' FNL & 1,980' FEL of Section 21, T-26-S, R-36-E, Lea County, New Mexico	
Elevation:	2,926' G.L., 2,936' K.B.	
Contractor:	Cactus Drilling Co., (Hobbs) Rig #59	915-563-0405
	To call rig: Ask for Rig #59	915-563-0409
	Toolpusher: Howard Lee Callender (Hobbs)	505-392-3158
Cement:	Halliburton (Hobbs): Bruce Stubbs	915-563-0560
Mud:	Mustang Mud, Inc.	915-682-7918
	Engineer: Dick Billingsley (Odessa)	915-362-2640
	Manager: A. J. Cain	915-682-4493
Water:	X-L Transportation Co., (Jal, NM)	505-395-2010
Operator:	BTA Oil Producers, 104 S. Pecos, Midland, Texas	915-682-3753
	Long Distance (day-Texas only)	800-592-4771
	Field Supervisor: Billy Avery (Stanton)	915-756-2307
	Mobile Phone:	915-683-4093
	Engineer: Carty Beal	915-682-9292
	Other:	915-282-3511
	Field Drilling Supt: Pete Welborn (Andrews)	915-523-5273 *Unit 6338
	Field Drilling Supt: Paul Scholl (Odessa)	915-381-0764 *Unit 6332
	Geologist: Steve Payton	915-683-3573
	Engineer: L. G. (Bud) Johnson	915-694-1276
	Mobile Phone:	915-683-4090
	Manager: Barry Beal	915-682-2660
	Other:	915-282-2003

*Basin Dispatch: Monahans (915) 943-3256, Pecos (915) 445-4931

DRILLING PROGRAM:

1. Drill 12 $\frac{1}{4}$ " hole to 1,400'. Run & cement 8-5/8" 24# K-55 STC casing @ 1,400' w/700 sx Hall lite w/6#/sx salt, 5#/sx gilsonite & $\frac{1}{4}$ #/sx flocele (2.08 ft³/sx - 12.5 ppg) tailed in w/300 sx Class "C" w/2%/CaCl₂ & $\frac{1}{4}$ #/sx flocele (1.32 ft³/sx - 14.8 ppg). WOC 6 hrs. Drill out to shoe & test casing to 1500 psi.
2. Drill 7-7/8" hole to + 3,700'. Run & cement 5 $\frac{1}{2}$ " 15.5# K-55 STC casing @ + 3,700' w/250 sx Class "C" 50/50 Poz A w/0.3% CFR-2, 6#/sx salt, 5#/sx gilsonite & $\frac{1}{4}$ #/sx flocele (1.3 ft³/sx 14.4 ppg). WOC. Run temperature survey.

OTHER REQUIREMENTS:

1. Have geolograph operational from spud to TD. Test all BOP equipment when installed.
2. Strap drill string prior to running 5 $\frac{1}{2}$ " casing.
3. Record 10' drilling time and catch 10' samples from 1,400' to TD.
4. Notify NMOCC (505-393-6161) before cementing 8-5/8" casing.
5. Notify one of the above listed BTA drilling personnel in the event of lost circulation, gas kick, or any deviation from drilling program.
6. Install desander in surface to keep mud weight down to 9.0 in surface hole.
7. Anticipated formation tops: Anhydrite 2,100' Yates 3,160'
Base Anhy 3,150' TD 3,700'

MUD PROGRAM:

1. Surface to 1,400': Fresh water spud mud with a 40 to 50 sec/1000 cc viscosity. Possible lost circulation; severe gravel and sand instability. Use multi mud paper to control seepage. If complete loss occurs, use cotton seed hulls and chip seal.
2. 1,400' to TD: 9.0 to 9.6 ppg fresh water with FW gel to maintain 35 to 45 sec/1000 cc viscosity. Reduce the water loss to 10 cc or less @ 3,100'. (Salt gel may be required if salt stringers are encountered).

HOLE PROBLEMS:

1. Surface sands and gravels.
2. Lost circulation may occur at approximately 3,100', if drilling fluid weight exceeds 9.8 to 10 ppg from salt saturation by salt stringers and/or solids build-up.



CARTY BEAL
For BTA Oil Producers

CBJ:dy
6/22/80

WILL SPUD: AUGUST 1, 1980

DRILLING PROGRAM
7406 JV-S Lea "21" #1

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OIL CONSERVATION DIV.

173