

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

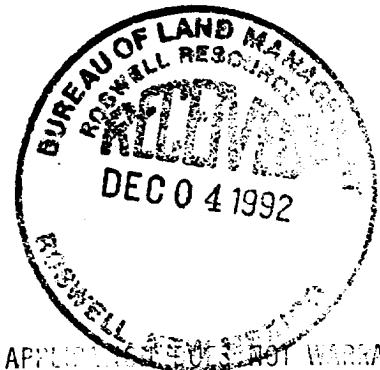
APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. NM 71789	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR BTA Oil Producers		7. UNIT AGREEMENT NAME	
3. ADDRESS AND TELEPHONE NO. 104 S. Pecos, Midland, TX 79701 915-682-3753		8. FARM OR LEASE NAME, WELL NO. Willo, 9212 JV-P #1	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 660' FSL & 660' FEL At proposed prod. zone Unit P SE/SE		9. A/WELL NO.	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 miles Northwest from Cross Roads		10. FIELD AND POOL, OR WILDCAT Milnesand (Abo)	
16. NO. OF ACRES IN LEASE 480		11. SEC., T., R., M., OR B.L.E. AND SURVEY OR AREA Sec 33, T8S, R35E	
17. NO. OF ACRES ASSIGNED TO THIS WELL 80		12. COUNTY OR PARISH Roosevelt	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. None		13. STATE NM	
19. PROPOSED DEPTH 9200		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 4181' GR 4193' RT		22. APPROX. DATE WORK WILL START* Upon Approval	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2	J55-13-3/8	54.5	400	450 sx - circ
11	J55- 8-5/8	32	4100	1800 sx - circ
7-7/8	J55- 5-1/2	15.5 & 17	9200	1700 sx - TOC + 3000

BOP - 3000 psi - Attached Schematic



PLEASE BE ADVISED THAT THERE WILL BE NO EXCAVATION OF FEDERALLY OWNED MINERAL MATERIAL FOR CONSTRUCTION OF THE ACCESS ROAD OR PAD WITHOUT PAYMENT IN ADVANCE.

APPROVAL OF THIS APPLICATION DOES NOT WARRANT OR CERTIFY THAT THE APPLICANT HOLDS LEGAL OR EQUITABLE TITLE TO THOSE RIGHTS IN THE SUBJECT LEASE WHICH WOULD ENTITLE THE APPLICANT TO CONDUCT OPERATIONS THEREON.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, 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 Dorothy Dwyer TITLE Regulatory Administrator DATE 12-3-92
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY Shandra L. Allen TITLE Area Manager DATE 12-30-92

*See Instructions On Reverse Side

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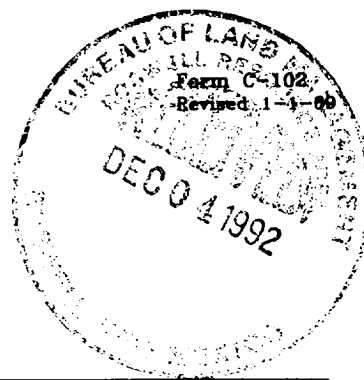
OCD HOBBS OFFICE

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088



DISTRICT I

P.O. Box 1960, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

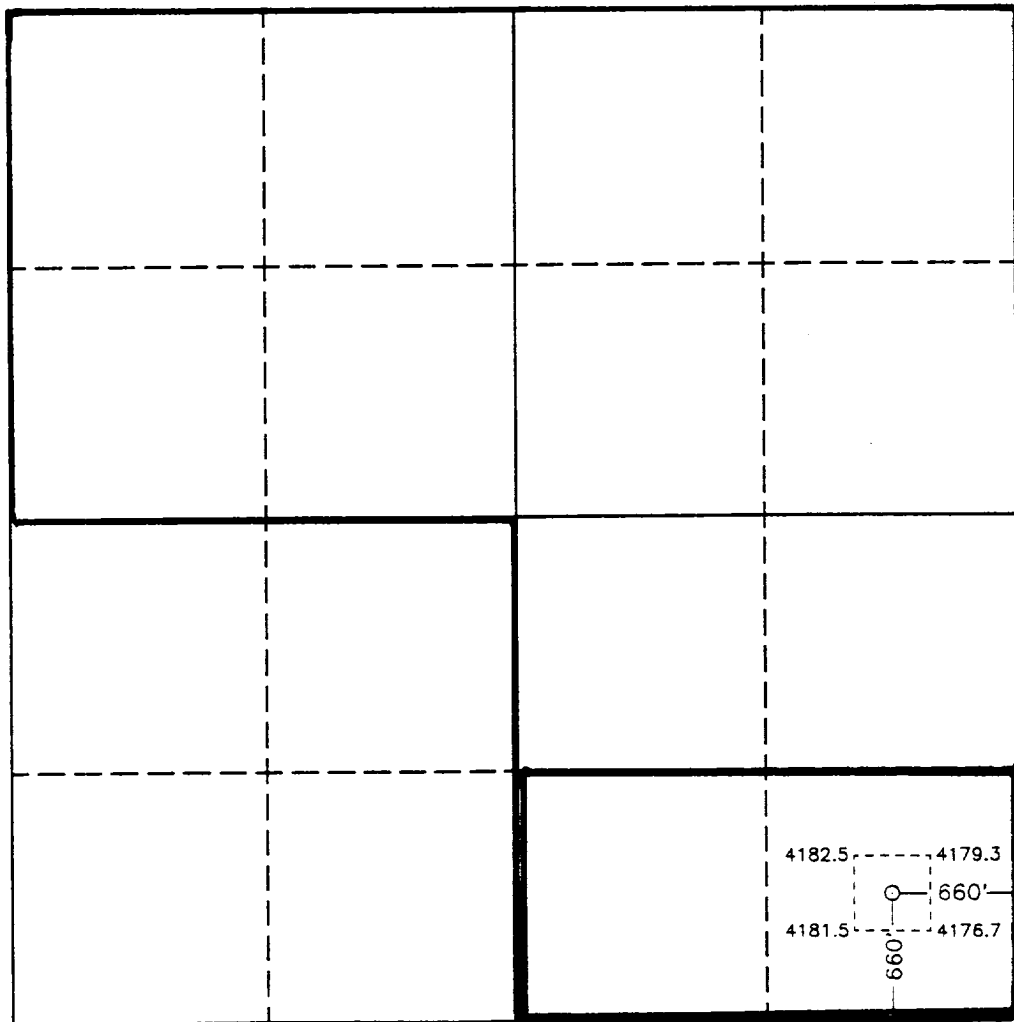
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator BTA OIL PRODUCERS			Lease 9212 JV-P WILLO		Well No. 1
Unit Letter P	Section 33	Township 8 SOUTH	Range 35 EAST NMPM	County ROOSEVELT	
Actual Footage Location of Well: 660 feet from the SOUTH line and 660 feet from the EAST line					
Ground Level Elev. 4180.5	Producing Formation Abo		Pool Milnesand		Dedicated Acreage: 80 Acres

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interest 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 of owners and tract descriptions which have actually been consolidated. (Use reverse side of this form necessary.)
No allowable will be assigned to the well unit all interests have been consolidated (by communitization, unitization, forced-pooling, otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
Dorothy Houghton
Printed Name
Dorothy Houghton
Position
Regulatory Administrator
Company
BTA Oil Producers
Date
12-3-92

SURVEYOR CERTIFICATION

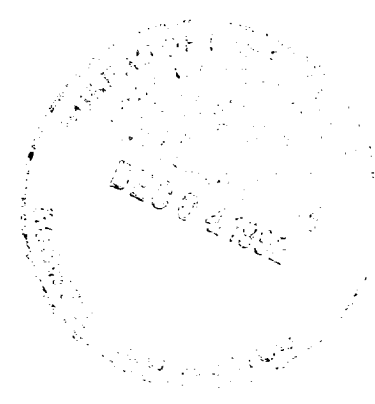
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed
NOVEMBER 20, 1992

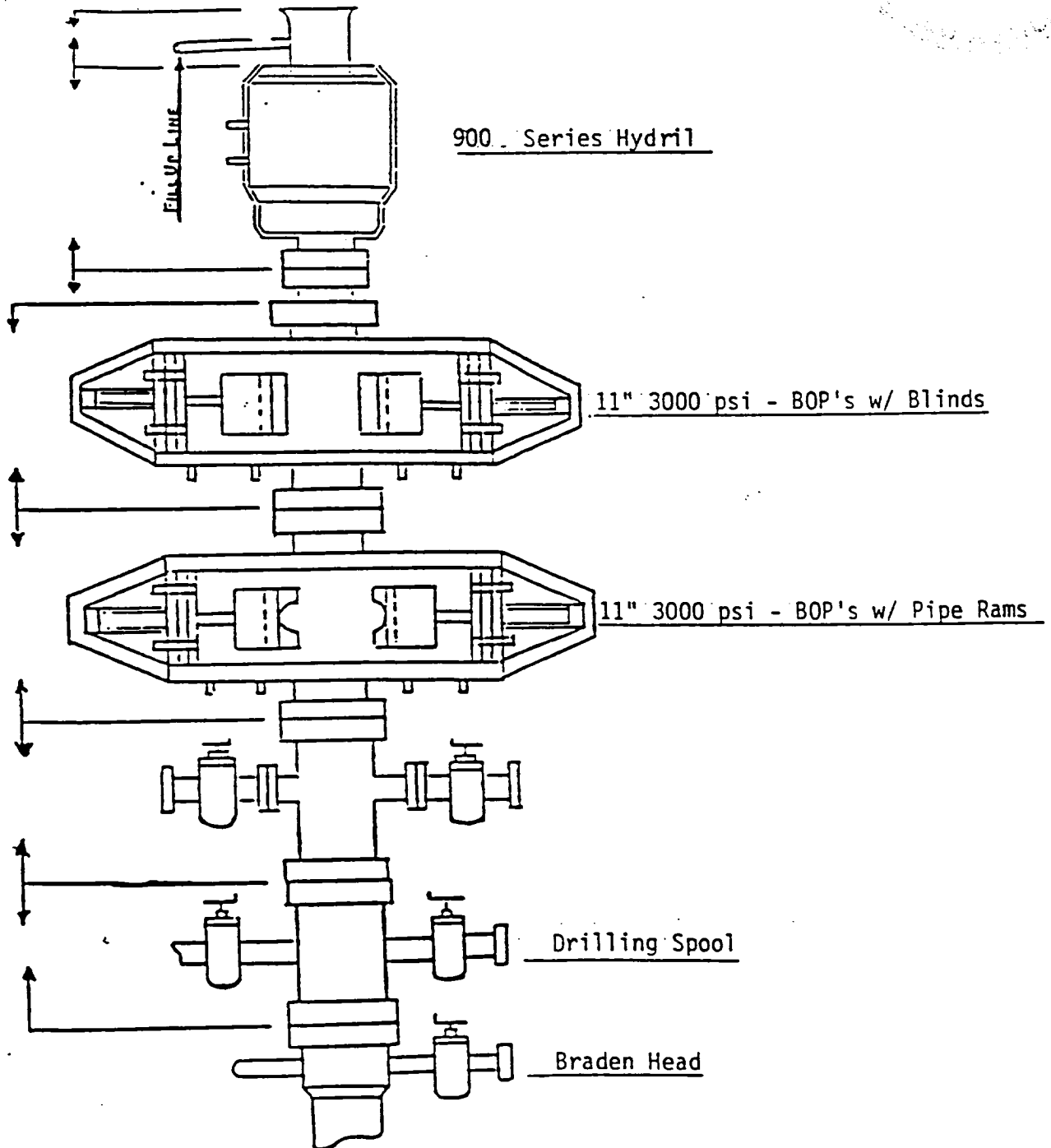
Signature & Seal of
Professional Surveyor

GARY L. JONES
NEW MEXICO
7977
Certificate No. 876
RONALD A. EDSON 8238
GARY L. JONES 7977
92-11-1795

BTA OIL PRODUCERS



Driller's Zero 1 ft Above Rotary Table



BTA Oil Producers
9212 JV-P Willo
Well #1
660' FSL & 660' FEL
Section 33, T-8-S, R-35-E
Roosevelt County, New Mexico
Milnesand (Abo) Field

DRILLING PROGRAM

BTA OIL PRODUCERS
Willo, 9212 JV-P, Well No. 1
660' FSL and 660' FEL
Sec. 33, T-8-S, R-35-E
Roosevelt County, New Mexico

In conjunction with Form 3160-3, Application for Permit to Drill. BTA Oil Producers submits the following 10 items for pertinent information in accordance with BLM requirements:

1. The geologic surface formation is Quaternary.
2. The estimated top of geologic marker are as follows:

Anhydrite	2,175'	Glorieta	5,440'
Yates	2,750'	Abo	7,746'
San Andres	3,983'	Wolfcamp	8,982'

3. The estimated depth at which anticipated water, oil or gas formations are expected to be encountered:

San Andres	3,983'
Abo	7,746'

All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and furnished to the BLM, Division of Minerals. All oil and gas shows will be adequately tested for commercial possibilities reported and protected.

4. Proposed Casing and Cementing program:

<u>Casing Size</u>	<u>Setting From</u>	<u>Depth to</u>	<u>Weight</u>	<u>Grade</u>	<u>Joint</u>
13-3/8"	0	400'	54.5#	J-55	STC
8-5/8"	0	4,100'	32.0#	J-55	STC
5-1/2"	0	1,500'	17.0#	J-55	LTC
5-1/2"	1,500'	7,000'	15.5#	J-55	LTC
5-1/2"	7,000'	9,200'	17.0#	J-55	LTC

13-3/8" casing will be cemented with 450 sx Class "C" cement containing 2% CaCl to circulate to surface.

8-5/8" casing will be cemented with sufficient light cement, tailed-in with 300 sx Class "C" cement, to circulate to surface.

5-1/2" casing will be cemented back up above the bottom of the 8-5/8" casing.

Note: All casing strings will be pressure tested to 0.22 psi/ft. of setting depth or 1500 psi (whichever is greater) after cementing and prior to drillout.

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5. Pressure Control Equipment: See Attached Diagram

6. Mud Program:

Surface to 400': Fresh water spud with 35 to 45 sec/1000 viscosity. Will keep mud weight as low as possible using solids separation equipment and water. Will maintain fresh gel in system.

400' to 4,100': 10.0 ppg saturated brine water. Circulate to reserve pit. Will use lime for pH control in range 10 to 11. Will sweep hole with salt gel slugs as required for hole cleaning.

4,100' to 9,200': Cut brine. Will sweep hole with salt gel slugs as required for hole cleaning. Mud up with salt gel to drill Abo Shale.

7. Auxiliary Equipment:

- a. Upper kelly cock valve with handle available
- b. Safety valves and subs to fit all drill string connections in use
- c. Monitoring of mud system will be visual

8. Testing, Logging and Coring Program:

Drill Stem Tests will be made when samples, drilling time and other data indicate a test is warranted.

It is planned that electric logs will include Gamma Ray-CNL, FDC logs and dual laterologs.

Note: A gamma ray log will be run over the surface casing from its base to the ground surface.

No coring is planned.

9. Anticipated Abnormal Pressure: None

10. Anticipated Starting Date: It is planned to commence drilling operations upon approval from BLM to last a period of 35 days.

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