

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-101
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

API No. 30-025-20781

5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
B-2317

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work		7. Unit Agreement Name	
b. Type of Well OIL WELL ☒ GAS WELL ☐ OTHER ☐ DRILL ☐ DEEPEN ☐ PLUG BACK ☒		8. Farm or Lease Name M. E. Hale	
2. Name of Operator Phillips Petroleum Company		9. Well No. 9	
3. Address of Operator 4001 Penbrook Street, Odessa, Texas 79762		10. Field and Pool, or Wildcat Vacuum (Glorieta)	
4. Location of Well UNIT LETTER <u>J</u> LOCATED <u>1785</u> FEET FROM THE <u>East</u> LINE AND <u>1980</u> FEET FROM THE <u>South</u> LINE OF SEC. <u>35</u> TWP. <u>17-S</u> RGE. <u>24-E</u> NMPM		12. County Lea	
19. Proposed Depth 10,500'		19A. Formation Glorieta	
20. Rotary or C.T. Rotary		21. Elevation (Show whether DF, RT, etc.) 4013' GR	
21A. Kind & Status Plug. Bond Blanket		21B. Drilling Contractor n/a	
22. Approx. Date Work will start Upon approval		23.	

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
17-1/2"	13-3/8"	48#	323'	350 sx Req	surface
12-1/4"	9-5/8"	32.3#	3400'	400 sx Req.	2500' /T.S.
8-3/4"	7"	20, 23, & 26.3#	10497'	665 sx Incor +425 sx Sloset	2700' /T.S.

This well has previously produced from the Wolfcamp, Abo, and Glorieta formations. It is currently plugged back to the San Andres.

BOP EQUIP: Series 900, 3000#WP, double w/i set pipe rams. 1 set of blind rams, manually operated. 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. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed W. J. Mueller Title Engineering Supervisor, Reserve Date November 11, 1988

(This space for State Use)
ORIGINAL SIGNATURE OF STATE SUPERVISOR

APPROVED BY _____ TITLE _____ DATE NOV 17 1988

CONDITIONS OF APPROVAL, IF ANY:

RU DDU, COOH with rods and pump, install BOP, COOH with tubing. GIH with RTTS-type packer on 2-7/8", 6.5 # EUE
 4800' working. Set packer at 4750'. Pressure test cement plug (4800'-5014') to 2500 psi. GIH with cement retainer on
 2-7/8" working. Set retainer at 4300'. Circulate wellbore with produced water. String into retainer. Pressure annulus to
 500 psi and monitor throughout squeeze job. Squeeze San Andres perfs 4353'-4654' with 300 sxs Class C cement mixed
 8.5 gals/sk, 14.8 lb/gal, 1.42 ft³/sk, with 0.5% Hailad 9 (fluid loss control) and 5 lbs/sk sand (bridging agent). GIH with bit and
 drill collars on working. Drill out retainer and cement to PBD at 4800'. Pressure test squeeze to 1000 psi. Continue to
 drill out cement plugs at 4800'-5014' and 5508'-6050'. Circulate wellbore clean to 6200'. Pressure test casing to 1000 psi to
 check for leaks in old Glorieta perfs at 5982'-6004'. GIH with retainer on 2-7/8" working. Set retainer at 5930'. String
 into retainer. Pressure annulus to 500 psi and monitor throughout squeeze job. Squeeze Glorieta perfs 5982'-6004' with
 100 sxs Class H neat cement. GIH with bit and drill collars on working. Drill out retainer and cement. Circulate wellbore
 clean to 6200'. Pressure test squeeze to 1000 psi. Perform the following intervals top to bottom using 4" OD
 centralized casing guns using premium DML charges at 2 JSPF on spiral phasing as follows:

6082'-6095'	13'	26 shots
6097'-6104'	7'	14 shots
6106'-6110'	4'	8 shots
	24'	48 shots

GIH with RBP, 7" RTTS-type packer, and production tubing. Set RBP at 6200' and packer at 6030'.
 Swab test to clean up perforations. Load tubing-casing annulus and maintain pressure during
 treatment. Test all surface lines to 3000 psi prior to acidizing. Acidize perfs with 3000 gals 15% NEFe
 HCl with ball sealers. Flush with 38 bbls 2% KCl water to bottom perforation. Swab back spent acid
 and load water. Set RBP at 6020' and spot 300 gals 10% acetic acid at 5980'. COOH with tubing and
 packer. Perforate the following intervals:

5914'-5922'	8'	16 shots
5934'-5940'	6'	12 shots
5952'-5956'	4'	8 shots
5960'-5963'	3'	6 shots
5967'-5971'	4'	8 shots
	25'	50 shots

GIH with RTTS-type packer and tubing. Set packer at 5850'. Load tubing-casing annulus and
 maintain pressure during treatment. Retest all lines to 3000 psi prior to acidizing. Acidize perfs with
 3000 gals 15% NEFe HCl with ball sealers. Flush with 36 bbls 2% KCl water to bottom perforation.
 Swab back spent acid and load water. Run production equipment.

All distances must be from the outer boundaries of

Section.

Operator Phillips Petroleum Company			Lease M. E. Hale		Well No. 9
Unit Letter J	Section 35	Township 17-S	Range 34-E	County Lea	

Actual Footage Location of Well:

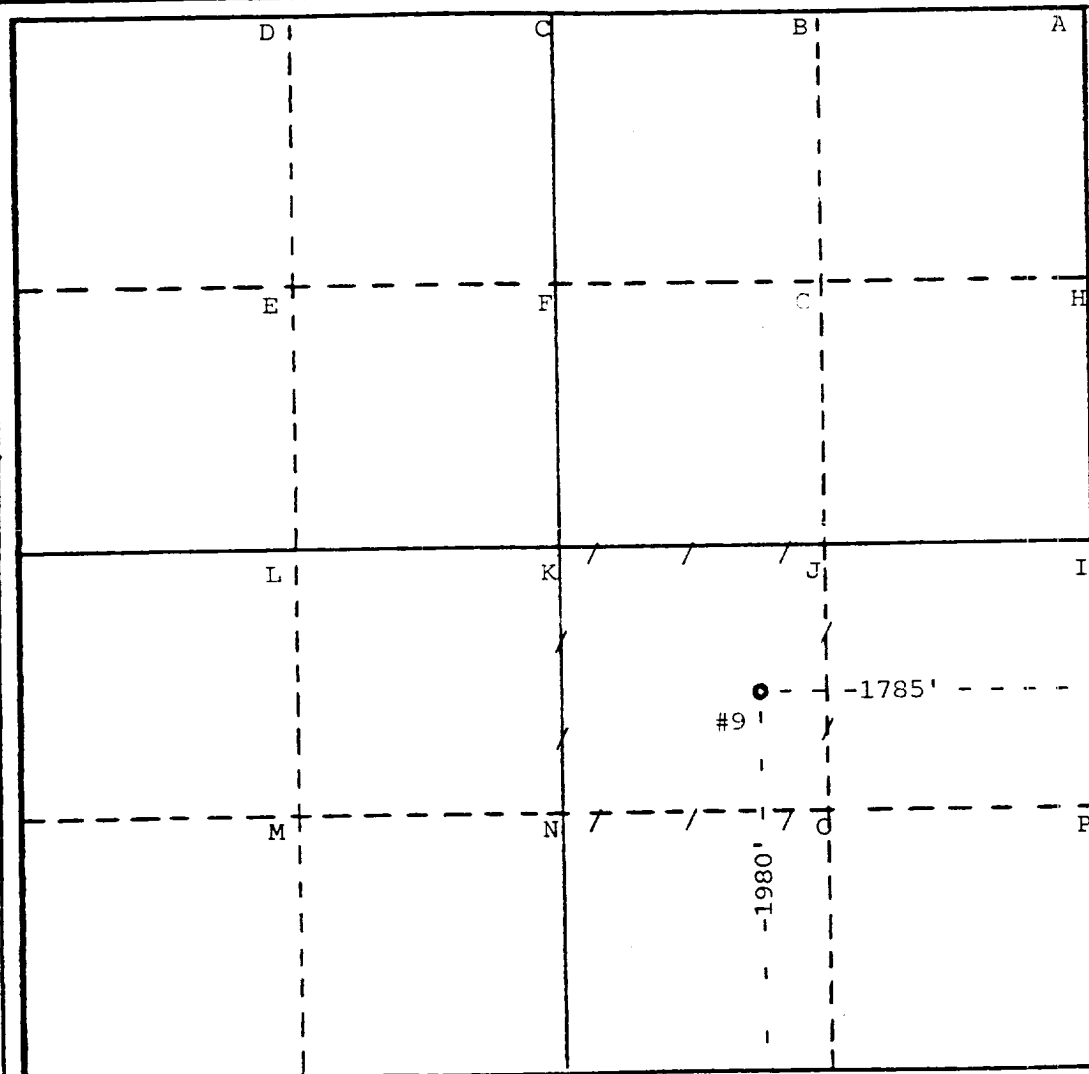
1785	feet from the	East	line and	1980	feet from the	South	line
Ground Level Elev. 4013' GR		Producing Formation Glorieta		Pool Vacuum Glorieta		Dedicated Acreage: 40 Acres	

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.

S. M. Gardner
Name

W. J. Mueller

Position

Engineering Superv. Rese

Company

Phillips Petroleum Compa

Date

November 11, 1988

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.

2-27-64

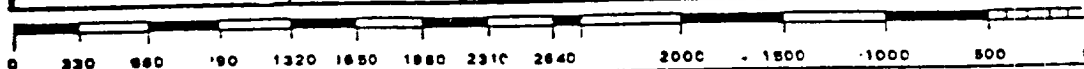
Date Surveyed

M. E. Stry

Registered Professional Engineer and/or Land Surveyor

679

Certificate No.



RECEIVED

NOV 16 1988

OCD
HOBBS OFFICE