

TE 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

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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease
STATE ☒ REC ☐
5. State Oil & Gas Lease No.
LG-0365

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work
b. Type of Well DRILL ☐ DEEPEN ☐ PLUG BACK ☐
OIL WELL ☒ GAS WELL ☒ OTHER REENTRY ☐ SINGLE ZONE ☒ MULTIPLE ZONE ☐
2. Name of Operator
Phillips Petroleum Company
3. Address of Operator
Room 401 4001 Penbrook Street Odessa, Texas 79762
4. Location of Well
UNIT LETTER H LOCATED 1977 FEET FROM THE North LINE
AND 661 FEET FROM THE East LINE OF SEC. 22 TWP. 17S RGE. 33E N40W
19. Proposed Depth 4690'
15A. Formation San Andres
20. History or C.T. reverse unit
21. Elevations (Show whether DF, RT, etc.) 4164' KB & 4150' DF
21A. Kind & Status Plug. Bond Blanket
21B. Drilling Contractor later
22. Approx. Date Work will start 6-28-82

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#	459'	450	circ @ surf
12 1/4"	8 5/8"	32#	4677"	672	circ @ surf
7 7/8"	5 1/2"	15.5#, 17#, 20#, 22#	11,396' seat	350	8260'

Confirming telecon Larry Sanders/Melba Carpenter, 6-25-82, verbal approval received to re-enter P&A well and complete in subject field.

Proposed procedures - see reverse side

Note: 5 1/2" csg set at 11,396' with top at 2550'. To run 5 1/2" liner, tie into top of 5 1/2" casing at 2550', and cement per procedures (reverse side)

Mud additives as required for control.

BOP Equipment: Series 900, 3000# WP, double with one set pipe rams, one set blind rams, hydraulically operated.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 12/21/82
UNLESS DRILLING UNDERWAY

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF PROPOSAL IS TO DEEPEN OR PLUG BACK, GIVE DATA ON PRESENT PRODUCTIVE ZONE AND PROPOSED NEW PA.

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

Signed W. J. Mueller Title Senior Engineering Specialist Date 6-28-82

(This space for State Use)

ORIGINAL SIGNED BY

JERRY SEXTON

DISTRICT 1 SUPR.

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY

JUN 28 1982

1. Move in backhoe and clean out cellar. Move in and rig up double drum workover unit and reverse unit. Install flange and BOP. Pick up drill bit and collars on 2-7/8" work tubing.
2. Drill out cement plug from surface to approximately 40'. Drill out cement from 2505-3350', changing to smaller bit at top of 5-1/2". Clean out to TOC at 3490'. COOH.
3. Run impression block. Decision will be made whether to dress 5-1/2" casing off or cut 5-1/2" casing with chemical cutter. GIH with retrievable bridge plug. Set at +2640' and dump 2 sx sand on top.
4. GIH with casing bolt and DV collar on 5-1/2" casing. Set casing and cement through DV collar with 120 sxs Class C cement with 2% CaCl₂ mixed at 13.93#/gal. On last 50 sxs, close Braden head and squeeze. (Yield = 1.53 ft³/sx. Thickening time ≈ 4 hours) WOC minimum of 12 hours. Run temperature survey to determine TOC. (Expected TOC +1550')
5. GIH with drill bit and collars on work tubing. Drill out cement. Recover BP.
6. GIH with cement retainer on work tubing. Set at +3100'.
7. to squeeze 7 Rivers perforations, 3168-3325', if necessary. Establish pump-in rate. Squeeze with +200 sxs Class C cement with 2% CaCl₂ in first 50 sxs. WOC +12 hrs.
8. GIH with drill bit and collars on work tubing. Drill out cement retainer at +3100'. Drill out cement from 3100' to 3490'. Test squeeze to 1000#. Drill out CIBP at 3500'. Clean out to 4535'. COOH.
9. Swab test Grayburg perf 4384-4518'. If production, put on test pumping equipment. If no production, continue procedure.
10. GIH with drill bit and collars. Drill out cement at 4535' and cement retainer at 4545'. Clean out to +4815'.
11. to run GR-CCL log from 4800-3600'. GIH with CIBP and set at +4660'. Perforate the San Andres from 4582-4604' (GRN measure) using 4" casing gun on spiral phasing at 4 JSPP.
12. Swab test. Report results.
13. 15% NEFE HCl acid. GIH with RTTS. Set at +4500'. Pump acid. Maximum rate 3 BPM. Maximum expected WHP 5000 psi.
14. Swab load and acid water. Report results.
15. Install test production equipment. Further procedure will follow depending on test results.

New Mex "B" Well #1
June 25, 1982

RECEIVED
JUN 28 1982
OFFICE

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form 2-1-1
Supersedes 2-1-1k
Effective 1-1-61

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

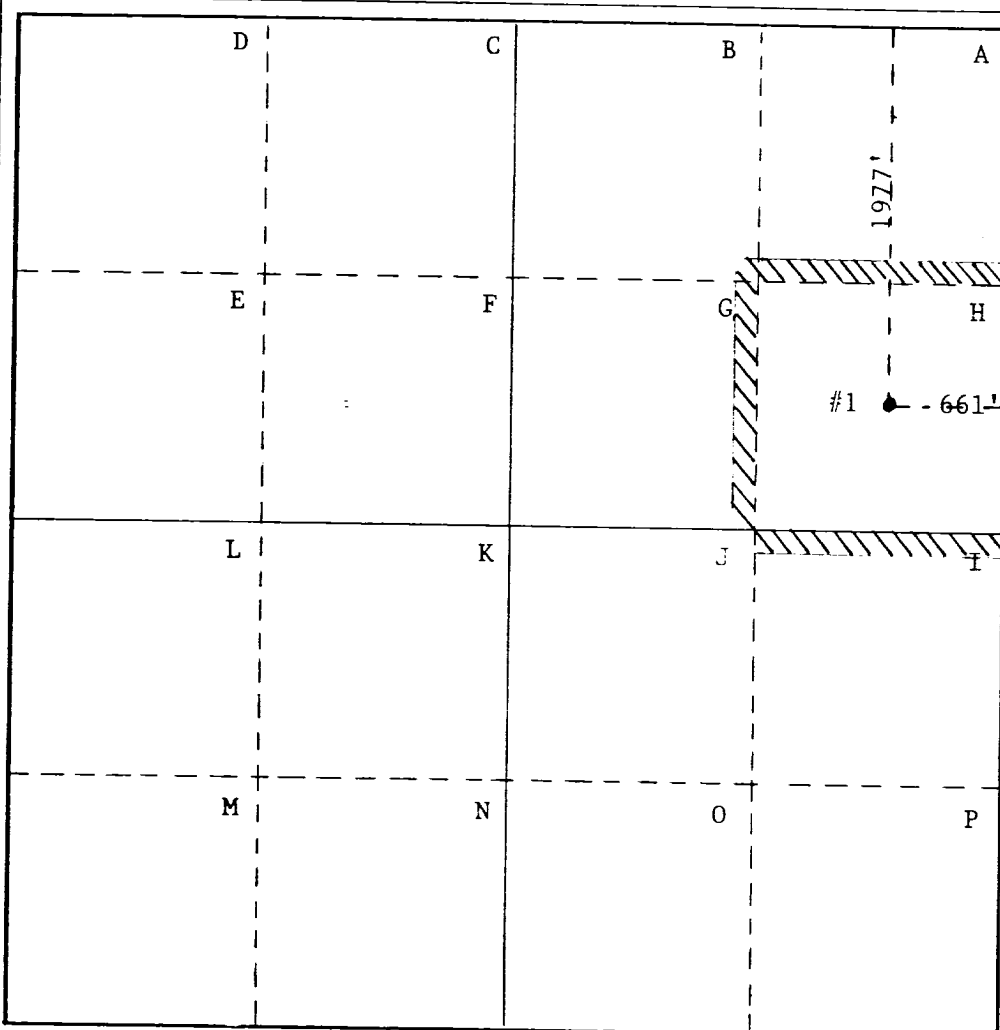
Operator Phillips Petroleum Company			Lease New Mex "B"		Well No. 1
Unit Letter H	Section 22	Township 17-S	Range 33-E	County Lea	
Actual Forage Location of Well: 1977 feet from the North line and 661 feet from the East line					
Ground Level Elev. 4150' GR	Producing Formation Grayburg-San Andres		Pool Maljamar Grayburg/San Andres		Dedicated Acreage: 40 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 _____

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 W. J. Mueller
Position Senior Engineering Specialist
Company Phillips Petroleum Company

Date
June 28, 1982

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.

M. E. Spry

Date Surveyed
8-5-58

Registered Professional Engineer
and/or Land Surveyor
679

Certificate No.

