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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease
STATE FEE

5. State Oil & Gas Lease No.
E-1021

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 SINGLE ZONE MULTIPLE ZONE

2. Name of Operator
Gulf Oil Corporation

3. Address of Operator
P. O. Box 670, Hobbs, NM 88240

4. Location of Well
UNIT LETTER **B** LOCATED **660** FEET FROM THE **North** LINE
AND **1980** FEET FROM THE **East** LINE OF SEC. **15** TWP. **11-S** RGE. **33-E** NMPM

7. Unit Agreement Name

8. Farm or Lease Name
Lea "HP" State

9. Well No.
1

10. Field and Pool, or Wildcat
North Bagley, Penn

12. County
Lea

19. Proposed Depth
10,200'

19A. Formation
Penn

20. Rotary or C.T.
Rotary

21. Elevations (Show whether DF, RT, etc.)
4258' GL

21A. Kind & Status Plug. Bond
Blanket

21B. Drilling Contractor
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22. Approx. Date Work will start
10-27-77

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#	375'	350 sxs circ	
11"	8 5/8"	24#-32#	3800'	500 sxs TOC	2185'
7 7/8"	5 1/2"	15.5#-17#	10,200'	800 sxs TOC	5650'
	4 1/2" liner	12.20#	9,735'	150 sxs TOC	7400'

4 1/2" Liner has Collapsed at Approx. 7800'.
Plans have been made to abandon the North Bagley, Penn zone and re-complete in the Undes San Andres zone.

Pull producing equipment. Set CIBP in 4 1/2" liner at approximately 7725' and cap with 35' cement. Cut 4 1/2" liner at approximately 7300'. Spot cement plug from 7350-7250' across 4 1/2" liner cut-off. Test plug and 5 1/2" casing to 1000 psi. Abandoning North Bagley, Penn zone.

Perforate 5 1/2" casing at approximately 5200'. Set cement retainer at 5100' and circulate cement out 5 1/2"-8 5/8" casing annulus. WOC 24 hrs. Test 5 1/2" csg and retainer to 5000#. Perforate 5 1/2" casing at 3814' with 4-1/2" JHPF. Acidize with 1000 gallon 15% NE-HCL acid. Frac with 34,000 gallon gelled water containing 1/2#-1 1/2# 20-40 SPG. Flush w/ 2000 gal. gelled wtr.**

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 *J. B. Allen Jr.* Title Area Engineer Date 10-13-77

(This space for State Use)
APPROVED BY *Jerry S. [Signature]* TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:
****Swab and test San Andres production.**

OCT 14 1977

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NOV 13 1977

OIL CONSERVATION COMM.
HOBBS, N. M.