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LAND OFFICE	
OPERATOR	

API # 30-021-20046

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 1-1-65

5A. Indicate Type of Lease: STATE [ ] FEE [X]

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work: DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. Type of Well: OIL WELL [ ] GAS WELL [X] CO2 OTHER SINGLE ZONE [X] MULTIPLE ZONE [ ]

7. Unit Agreement Name

8. Farm or Lease Name: Heimann

2. Name of Operator: Amoco Production Company

9. Well No.: 4

3. Address of Operator: P.O. Drawer "A", Levelland, Texas 79336

10. Field and Pool, or Wildcat: Und. Tubb

4. Location of Well: UNIT LETTER K LOCATED 1980 FEET FROM THE South LINE AND 1980 FEET FROM THE West LINE OF SEC. 34 TWP. 20-N RGE. 33-E NMPM

12. County: Harding

19. Proposed Depth: 3640'

19A. Formation: Tubb

20. Rotary or C.T.: Rotary

21. Elevations (Show whether DF, RT, etc.): 4893.7 GR

21A. Kind & Status Plug. Bond: Blanket-On File

21B. Drilling Contractor: N/A

22. Approx. Date Work will start: April 20, 1979

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
12 1/4"	8 5/8"	24#	350'	Circ to Surf	Surface
7 7/8"	4 1/2"	9.5#	2340'	Tie back to 8 5/8"	Btm of 8 5/8

After drilling well, logs will be run and evaluation made. Perforating and/or stimulating as necessary in attempting commercial production.

Mud Program: 0 - 350' Native mud and water.
350' - 2640' Commercial mud to maintain good hole conditions.

BOP program is attached.

Gas is not dedicated.

OIL CONSERVATION COMMISSION TO BE NOTIFIED WITHIN 24 HOURS OF BEGINNING OPERATIONS

OVER

APPROVAL VALID FOR 90 DAYS
PERMIT EXPIRES 7-11-79
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 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 Kandy Atkins Title Administrative Analyst Date April 6, 1979

(This Space for State Use)

APPROVED BY Carl Ulvog TITLE SENIOR PETROLEUM ENGINEER DATE 4/12/79

CONDITIONS OF APPROVAL, IF ANY:

COLLECT AND SACK SAMPLES FOR NEW MEXICO BUREAU OF MINES, SOCORRO AT AT LEAST TEN FOOT INTERVALS

0+5-NMOCD,SF 1-Susp 1-JA
1-Houston 1-RWA

On 6-5-79 Sitton Drilling Co. (Rig #1) spudded a 12-1/4" hole at 6:30 p.m. Drilled to a TD of 340' and ran 9-5/8" 40# casing set at 335'. Cemented with 175 SX Class C cement with 2% KCL. Circulated 40 SX cement. Plugged down at 3:45 a.m. 6-6-79. WOC 18 hrs. Tested casing with 900# for 30 minutes. Reduced hole to 8-3/4" and

Drilled to a TD of 2321' and ran 7" 23# & 26# casing set at 2287'. Cemented with 500 SX Class C with 9 1/2" salt/sx. Circulated 38 SX cement. Plug down 5:00 P.M. 6-9-79. WOC 20 hrs. Tested casing with 1500# for 30 min. Test OK. Drilled cement to shoe joint. Cored 2321'-2351'. Recovered 25'. Cored 2351'-2411'. Recovered 57'. Cored 2411'-2471'. Recovered 57'. Cored 2471'-2531'. Recovered 60' Cored 2531'-2571'. Recovered 40'. Currently waiting on completion unit.