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5A. Indicate Type of Lease
STATE ☒ FEE ☐
5. State Oil & Gas Lease No.
LG-4904

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
Amoco Production Company
3. Address of Operator
P. O. Box 68 - Hobbs, NM 88240
4. Location of Well
UNIT LETTER M LOCATED 570 FEET FROM THE South LINE
AND 540 FEET FROM THE West LINE OF SEC. 18 TWP. 13-S RGE. 33-E NMPM
19. Proposed Depth 10,200
19A. Formation Upper Penn
20. Rotary or C.T. Rotary
21. Elevations (Show whether DF, KI, etc.) 4291.6' GL
21A. Kind & Status Plug. Bond Blanket-on-file
21B. Drilling Contractor N/A
22. Approx. Date Work will start On or before July 7, 1984

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#	450'	Circulate	Surface
11"	8-5/8"	24#, 32#	4060'	Tie back to 13-3/8"	450'
7-7/8"	5-1/2"	17#, 15.5#, 17#	10,200'	Tie back to 500'	8450'
				above top of Wolfcamp	

Propose to drill and equip well in the Upper Penn formation. After reaching TD logs will be run and evaluated. Perforate and/or stimulate as necessary in attempting commercial production.

APPROVAL VALID FOR 180 DAYS
PERMIT EXPIRES 12/29/84
UNLESS DRILLING UNDERWAY

Mud Program:
0 - 450' Fresh Water Native
450 - 4,060' Brine Water
4,060 - 8,500' Fresh water with hole sweeps if necessary
8,500 - T.D. Low solids non-dispersed fresh water

BOP Diagram Attached

0+6 - NMOCD, Hobbs 1 - J.R. Barnett, Houston 1 - F.J. Nash, Houston 1 - GCC

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.

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

Signed Gary C. Clark Title Assistant Administrative Analyst Date 6-22-84

(This space for State Use)
ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

JUN 29 1984

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NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-128
Effective 1-1-65

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

Operator Amoco Production Company			Lease State HB Com.			Well No. 1		
Unit Letter M	Section 18	Township 13 South	Range 33 East	County Lea				
Actual Footage Location of Well: 570 feet from the south line and 540 feet from the west line								
Ground Level Elev. 4291.6'		Producing Formation Upper Penn		Pool Baum Upper Penn			Dedicated Acreage: 160 <i>1/2</i> 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 Communitization

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.

Working Interest Participation

Amoco- 50.038%
Sunburst Exploration, Inc.- 49.962%

CERTIFICATION

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

Name *Harry C. Clark*

Position *Asst. Admin. Analyst*

Company *Amoco Production Company*

Date *6-22-84*

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 *June 21, 1984*

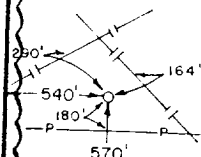
Registered Professional Engineer and/or Land Surveyor

John W. West
Certificate No. *JOHN W. WEST, 676*
RONALD J. EIDSON, 3239

Note: An area around the well was M-scoped & buried pipelines found are as shown.

N/2 - 80 acres
Lease No. L-986
Amoco

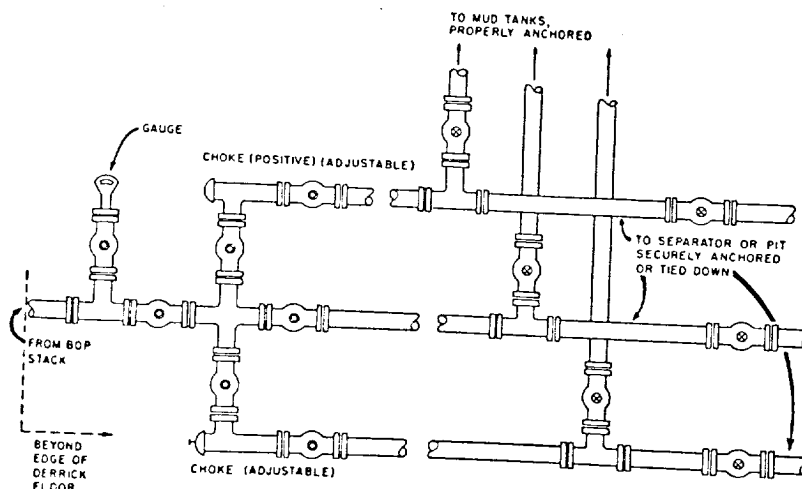
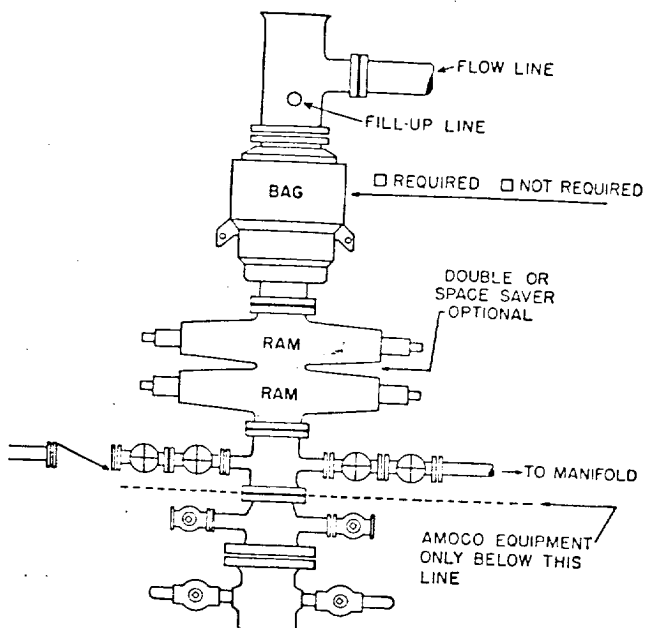
S/2 - 80 acres
Lease No. LG-4904
Yates Petroleum Corp.
(F/O to Sunburst Expl., Inc.)



0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

1. BOP's to be fluid operated. BOP's and all fittings must be in good condition and rated at 3000 psi w.p. minimum.
2. Equipment through which bit must pass shall be at least as large as casing size being drilled through.
3. Upper kelly cock is required and shall be 3000 psi w.p. minimum. Lower kelly cock is (required)(not required).
4. Hydril or comparable safety valve shall be available on rig floor with connection or subs to fit any tool joint in the string. Valve to be full bore 5000 psi w.p. minimum.
5. Hydril or equivalent drill pipe back pressure valve is (required)(not required).
6. All equipment upstream of chokes, including kill line equipment shall be flanged or clamped and of a test pressure no less than that of the blowout preventer. All valves upstream of choke shall be (3") (4") gate valves Cameron type "F" or equivalent. All equipment downstream of chokes may be flanged or screw end gate or plug. Line from spool to manifold cross to be a minimum of 3", straight and short as possible with minimum bends. Other lines may be 2", 3" or 4". Choke manifold, beyond second valve from cross, must be positioned outside of substructure. Manifold, header and all lines must be adequately supported and properly anchored. Two inch (2") lines and valves are permitted on the kill line. All valves designated for H₂S service are (required) (not required).
7. Blowout preventer closing unit equipment to include accumulator capable of closing, opening and closing the bag and pipe rams with a minimum remaining pressure of 1200 psi. After closure, the remaining fluid volume will be at least 50 percent of original volume. Two independent sources of pump power are required on each closing unit installation and shall meet all IADC specifications. Operating time for closing unit shall not be greater than one minute with charging pump shut down. Time test must be witnessed by Amoco representative while nipping up and test results reported on IADC report. Failure to meet these conditions will necessitate corrective action by contractor and retesting all at contractor's expense.
8. The accumulator must be located at least 50 feet from the well. Blowout preventer controls must be properly labeled and located as close to drillers position as feasible. Floor control valves are (required)(not required).
9. Fluid lines from accumulator to BOP's and all remote control fluid lines shall be steel, and rated at or above maximum accumulator pressure. Lines shall be routed in bundles and adequately protected from damage.
10. Use rams in following positions:

Upper ram	Drilling	Running Casing
Lower Ram	Drill pipe	Casing
	Blind	Blind
11. Extensions and hand wheels to be installed and braced at all times.



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