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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-101
Revised 14-65

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

5. State Oil & Gas Lease No.: LG-1025

1a. Type of Work

b. Type of Well: DRILL [ ] DEEPEN [ ] PLUG BACK [ ]
OIL WELL [ ] GAS WELL [X] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [X]

7. Unit Agreement Name:

8. Farm or Lease Name: State ME Com

2. Name of Operator: Amoco Production Company

9. Well No.: 1Y

3. Address of Operator: P. O. Box 68, Hobbs, New Mexico 88240

10. Field and Pool, or Wildcat: Antelope Ridge Atoka / Antelope Ridge Morrow

4. Location of Well: UNIT LETTER N LOCATED 660 FEET FROM THE South LINE AND 2030 FEET FROM THE West LINE OF SEC. 11 TWP. 23-S RGE. 34-E NMPM

12. County: Lea

19. Proposed Depth:

19A. Formation: Atoka-Morrow

20. Rotary or C.T.: Rotary

21. Elevations (Show whether DF, RT, etc.): 3363.9' GL

21A. Kind & Status Plug. Bond: Blanket on file

21B. Drilling Contractor: N/A

22. Approx. Date Work will start:

23.

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
26"	20"	133#	1787'	4850 sx ClassC	Surface
17-1/2"	16"	84#	2460'	750sxlt,200sxClC	1865'
14-3/4"	13-3/8"	72,54.5,61#	1695, 5100'	1690sxlt,250sxClC	Circulated
12-1/4"	9-5/8"	53.5	11790'	3600sxlt,250sxClH	Surface
8-1/2"	7"	34.58#	11291'-13360'	500	11,291'

Propose to test the Atoka and subsequently dual complete with the presently perforated Morrow per the following:
Move in service unit. Kill Morrow with 2% KCL brine water. POH with spent Vann guns. Run in hole with RBP and set at 100'. Install dual wellhead flange and BOP. Retrieve RBP and POH. RIH with Baker Model F-1 packer with 4" sealbore ID. Set packer at 12,950'. RIH with 1.78" Baker F-nipple, 2 joints of 2-3/8" N-80. CS hydril tailpipe, seal assembly, Guiberson EL-2 on/off tool with 1.81" profile nipple, and 2-7/8" N-80 tubing string. Latch into packer. Set blanking plug in 1.87" F-nipple. Release on/off tool and POOH. RIH with RBP on tubing and set at 12,900'. RBP must be able to withstand 10,000 PSI. Test RBP. RIH with Vann System, Guiberson Uni-VI packer,on/off tool with 1.875# profile nipple, and 2-7/8" N-80 tubing string. Run GR correlatin log and set guns on depth for perforating the interval 12818'-34'. Swab down tubing to apx. 7800'. Perforate interval using 4 JSPF with 90°phasing.
O+5-NMOCD,H 1-HOU, R.E.Ogden,Rm 21.150 1-F.J.Nash, HOU, Rm. 4.206 1-CMH

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 Karla M. Sterring Title Administrative Analyst Date 7-12-83

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY JERRY SEXTON DISTRICT I SUPERVISOR TITLE _____ DATE JUL 14 1983

CONDITIONS OF APPROVAL, IF ANY:

Attempt to flow back well and evaluate production. Acidize if necessary through Vann tool with 1500 gal of 15% NEFE HCL. Flush acid to formation with 80 bbls of clean 10# brine. Flow backload and evaluate. Swab if necessary. If interval is productive, flow test for apx. 2 days and run a 24 hr. dip-in SIBPH test. Pump down tubing with 7 bbls of 10# brine 90 vis. pill and follow with 13.6 ppg mud. When tubing to loaded, install blanking plug, release on/off tool, and circulate 13.6 ppg mud to surface. Latch on on/off tool. POOH with blanking plug. Release packer and pooh with spent Vann Assembly. RIH with retrieving head, 2-7/8" tubing string, and retrieve RBP. Pull up and set RBP at 12,700'. Test RBP. Circulate and condition mud up to 14.4ppg. Displace bottom of mud up to apx. 11,800' with 3 bbl pill of 90 vis 10# brine, 35 bbl of 10# brine, 1/2 bbl of 90 vis fluid, and 68 bbls of 14.4 ppg mud. PO with tubing and retrieving head. Run in hole with Vann guns and Guiberson Uni VI packer and on/off tool with 1.875" profile nipple and 2-7/8" N-80 tubing string. Run GR correlation and set guns on depth for perforating intervals 12072'-98', 12102'-30', 12136'-40', 12142'-46', 12150'-200', 12256'-74', 12352'-58', 12372'-78'. Using 90° phasing with 4 SPF. Set blanking plug in on/off tool, release from on/off tool and circulate the well with clean 10# brine. Latch on on/off tool. POH with blanking plug. Swab down tubing to 7000'. Drop bar and flow test well to evaluate production. Acidize, if necessary, through Vann tool with 10,500 gal of 15% NEFE HCL. Flush acid to formation with 80 bbls of 10# brine. Flow back well and evaluate production. If interval is productive, flow test well for apx. 2 days and run a 24 hr. SIBHP test. Pump down tubing with 20 bbls of 10# brine and 46 bbl of 14.4 ppg mud. Set blanking plug. Release on/off tool. Circulate 14.4 ppg mud to surface. Latch into on/off tool. POH with blanking plug. Release packer and POH with spent Vann guns. RIH with retrieving head and 2-7/8" string. Retrieve RBP at 12,700'. POH with RBP and tubing. Lay down 2-7/8" tubing. RIH with EL-on/off tool, 2-3/8" CS Hydril tubing string with blast joints from 12,770'-870' and 12000'-12420',Baker Model A-5 dual packer and 2-3/8" CS Hydrill tubing production string. Run tubing so packer will be set at apx. 11875'. Latch into on/off tool on Model F-1 packer. RIH with short production string. RIH with on/off tool with 1.81" profile nipple and 2-3/8" CS Hydril tubing. Latch into packer. Set a blanking plug in profile nipple in short string and pressure up to set dual packer. Release on/off tool on short string and circulate mud out of the hole with 10# brine. Add inhibitor to the 10# brine for corrosion. Latch into on/off tool. Retrieve 1.78" blanking plug from long string. If plug is stuck, perforate tailpipe so the well can produce. Swab in the Morrow. Retrieve blanking plug in the short string. Swab in Atoka. Flow test each horizon for 3 days and run a 140 hrs. BHP build up test in both zones.

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	Lease	Well No.
Amoco Production Company	State ME Com.	1-Y

Unit Letter	Section	Township	Range	County
N	11	23 South	34 East	Lea

Actual Footage Location of Well: 660 feet from the South line and 2030 feet from the West line

Ground Level Elev.	Producing Formation	Pool	Dedicated Acreage:
3363.9'	Atoka	Antelope Ridge Atoka	320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.

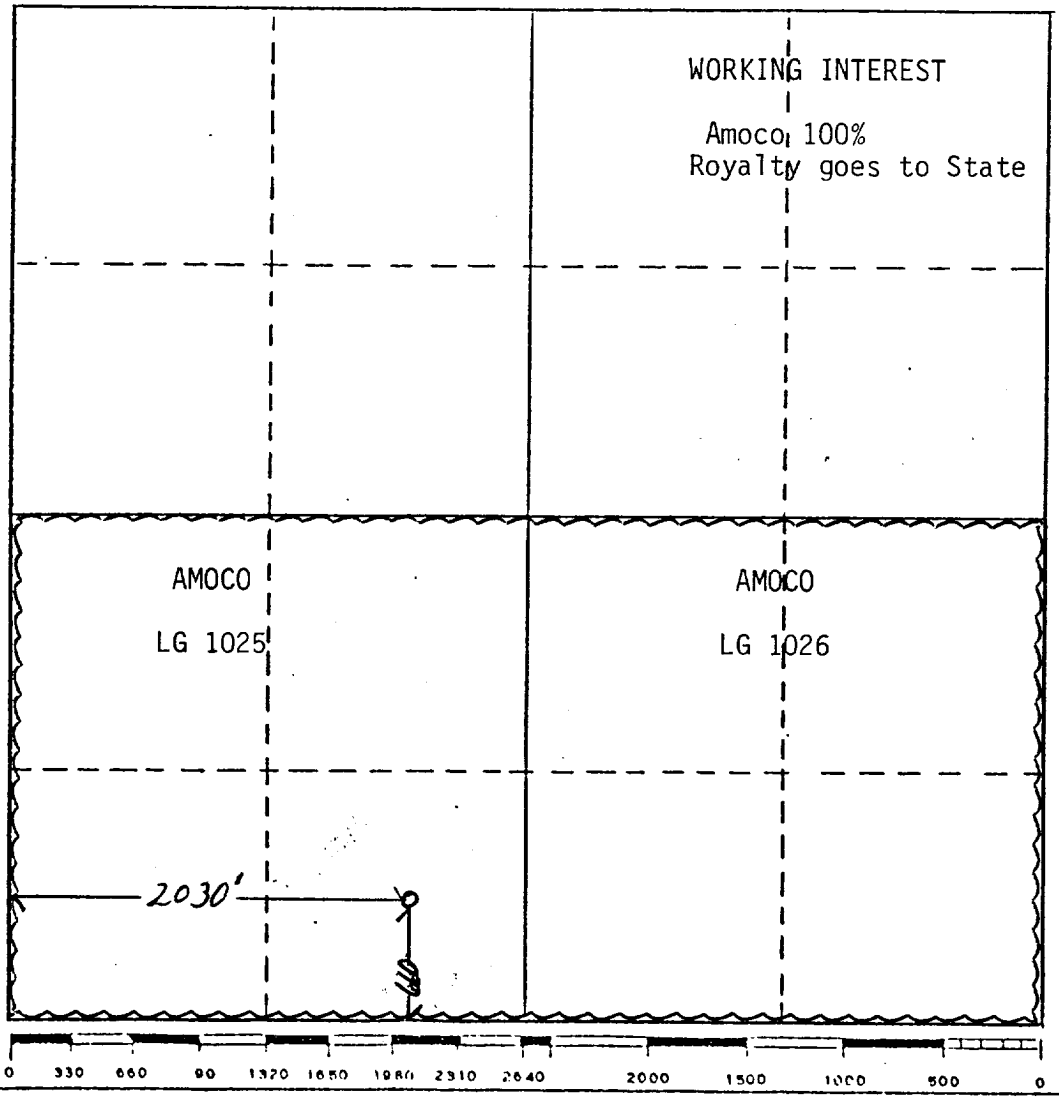
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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 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.



CERTIFICATION

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

Name: Marla M. Herring

Position: Administrative Analyst

Company: Amoco Production Company

Date: 7-12-83

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

Registered Professional Engineer and/or Land Surveyor

Certificate No.