

30-015-23899

NEW MEXICO OIL CONSERVATION COMMISSION RECEIVED

Form C-101  
Revised 1-1-65

JUL 8 1981

O. C. D.  
ARTESIA, OFFICE

5A. Indicate Type of Lease  
STATE ☐ FEE ☒

5. State Oil & Gas Lease No.

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> 2. Name of Operator Amoco Production Company ✓ 3. Address of Operator P. O. Box 68, Hobbs, NM 88240 4. Location of Well UNIT LETTER L LOCATED 860 FEET FROM THE West LINE AND 1980 FEET FROM THE South LINE OF SEC. 14 TWP. 24-S RGE. 28-E NMPM 12. County Eddy		7. Unit Agreement Name Willow Lake Unit 8. Farm or Lease Name Willow Lake Unit 9. Well No. 4-Y 10. Field and Pool, or Wildcat Willow Lake Atoka 19. Proposed Depth 13300' 19A. Formation Atoka 20. Rotary or C.T. Rotary 21. Elevations (Show whether DF, RT, etc.) 2984.0' GR 21A. Kind & Status Plug. Bond Blanket-on-file 21B. Drilling Contractor MGF 22. Approx. Date Work will start 7-28-81	
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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"	61, 54.5, 48#	650'	Circ.	Surf.
12-1/4"	9-5/8"	53.3#	9790'	Tie back to 13-3/8"	BTM of 13-3/8"
* 8-1/2"	7-5/8"	38#	12400'-9490'	Circ. to 9490'	9490'
6-1/2"	4-1/2"	13.5#	13270'-12100'	Circ. to 12100'	12100'

\* 7-5/8" drilling liner to be run only if drilling conditions indicate the Morrow formation is not competent to stand mud weight necessary to control the Atoka. If 7-5/8" liner not run 4-1/2" liner will be run to 13270' and cemented to tie back to 9-5/8". Propose to drill and equip well in the Atoka formation. After reaching TD logs will be run and evaluated; perforate and/or stimulate as necessary in attempting commercial production.

MUD PROGRAM: 0' 650' Native mud and fresh water  
650'-9790' Native mud and brine water  
9790'-TD Commercial mud and brine with minimum properties for safe hole conditions will raise viscosity and reduce water loss prior to Atoka penetration.

BOP Program Attached  
Gas is not dedicated.

APPROVAL VALID FOR 180 DAYS  
PERMIT EXPIRES 2-18-82  
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 PRODUCTIVE ZONE, GIVE SHOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Greg Mitchell Title Admin. Analyst Date 7-7-81

(This space for State Use)  
APPROVED BY W.A. Gessitt TITLE SUPERVISOR, DISTRICT II DATE AUG 18 1981

CONDITIONS OF APPROVAL, IF ANY:

0+4-NMOCD, A 1-Hou 1-Susp 1-W. Stafford, Hou

Cement must be circulated to 1-GPM surface behind 1378' & 9790' casing

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

RECEIVED

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

All distances must be from the outer boundaries of the Section

JUL 31 1981

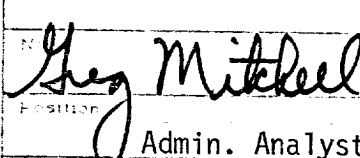
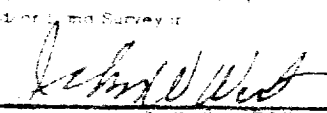
Operator AMOCO PRODUCTION COMPANY			Lease WILLOW LAKE UNIT			Well No. 4-y		
Unit Letter L	Section 14	Township 24-S	Range 28 E	County ARTESIA, OFFICE		Eddy		
Actual Footage Location of Well:								
860 feet from the West line and 1980 feet from the South line								
Ground Level Elev. 2984.0	Producing Formation Willow Lake Atoka			Atoka			Dedicated Acreage 320	

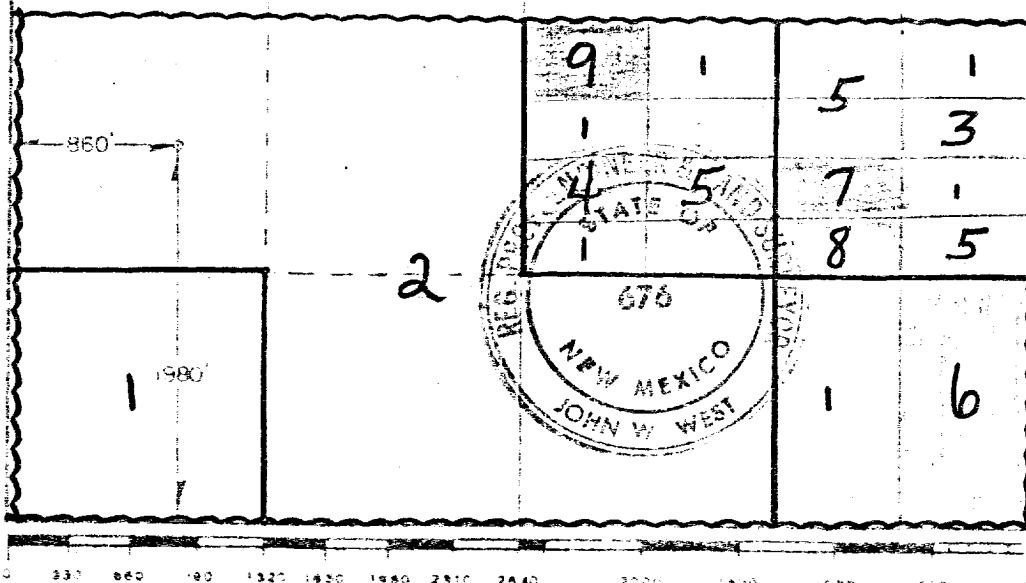
1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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		CERTIFICATION	
Southland Royl.	18.15672	I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.	
B. Bennett	4.84909	 Position <u>Admin. Analyst</u> Company <u>Amoco Production Company</u> Date <u>7-30-81</u>	
City Service	5.19117		
HNG Oil	9.23906		
Amoco Prod.	36.43404		
C. Cone	4.50702		
D. Cone	4.32458		
T. Cone	4.32458		
K. Cone	4.32458	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.	
C. Cone	4.32458		
Cathie Auvenshine	4.32458		
Total:	100.00%	Date surveyed <u>6/23/81</u> Registered Professional Engineer and/or Land Surveyor  Certificate No. <u>JOHN W. WEST 676</u> <u>PATRICK A. ROMERO 5663</u> <u>Ronald J. Eidsen 3235</u>	



WILLOW LAKE UNIT 4-Y

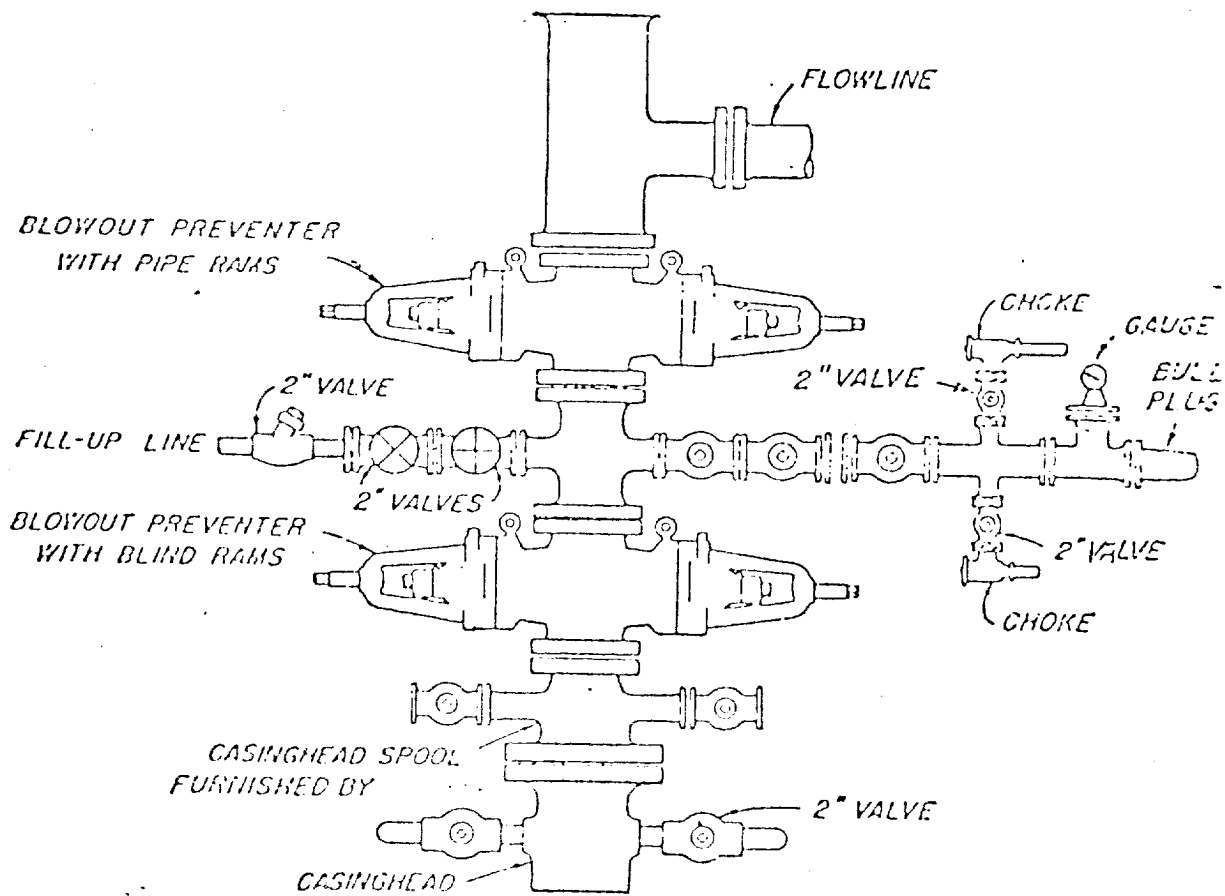
Lessee & Lessor

1. Lessee: Conquistador Con  
Lessor: C. Hambline
2. Lessee: O. Seawell  
W. Vinson  
Lessor: Aminoil
- 3.a Lessee: Adams Exploration  
Lessor: J. Finlay  
b Lessee: J. Craft  
Lessor: Amoco Production Company
4. Lessee: J. Bennett  
Lessor: R. Keegan
- 5.a Lessee: R. Barton, Jr.  
Lessor: H. Harrison  
b Lessee: R. Barton, Jr.  
Lessor: Barton Brothers
6. Lessee: R. Barton, Jr.  
Lessor: F. Mink
7. Lessee: M. Brad Bennett  
Lessor: M. Davis
8. Lessee: M. Brad Bennett  
Lessor: J. Crawmen
9. Lessee: J. Byers  
Lessor: L. Kemper

ATTACHMENT "B"  
NOTES

1. Blow-out preventers and master valve to be fluid operated and oil fittings must be in good condition, 3,000# W.P. (6,000 p.s.i. test), minimum.
2. Equipment through which bit must pass shall be as large as the inside diameter of the casing that is being drilled through.
3. Nipple above blow-out preventer shall be same size as casing being drilled through.
4. Kelly cock required, 3,000# W.P. (6,000 p.s.i. test) minimum.
5. OMSCO or comparable safety valve must be available on rig floor at all times with proper connection or sub, 3,000# W.P. (6,000 p.s.i. test), minimum.
6. Blow-out preventers and master valve while drilling intermediate hole to 6000' may be 2,000# W.P. (4,000 p.s.i. test), minimum.
7. Choke assembly, beyond second valve from cross, may be positioned (Optional) outside of derrick foundation.
8. Spool or cross may be eliminated if connections are available in the lower part of the blow-out preventer body.
9. Plug valves - gate valves are optional. Valves shown as 2" are minimum size.
10. Casing head and casing head spool, including attached valves, to be furnished by Amoco.
11. Rams in preventers will be installed as follows:
 

When drilling, use:	When running casing, use:
Top Preventer - Drill pipe rams	Top Preventer - Casing rams
Bottom Preventer - Blind rams or master valve	Bottom Preventer - Blind rams or master valve



### BLOWOUT PREVENTER HOOK-UP

AMOCO PRODUCTION COMPANY

### EXHIBIT D-1 MODIFIED

JUNE 1, 1962

ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

RECEIVED

IN THE MATTER OF THE HEARING  
CALLED BY THE OIL CONSERVATION  
DIVISION FOR THE PURPOSE OF  
CONSIDERING:

MAY 25 1981

O. C. D.

SANTA FE OFFICE

CASE NO. 7215

Order No. R-6654

APPLICATION OF AMOCO PRODUCTION  
COMPANY FOR AN UNORTHODOX GAS WELL  
LOCATION, EDDY COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on April 8, 1981, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 20th day of April, 1981, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Amoco Production Company, seeks approval of an unorthodox gas well location for its Willow Lake Unit Well No. 4Y to be drilled 1980 feet from the South line and 660 feet from the West line of Section 14, Township 24 South, Range 28 East, NMPM, to test the Wolfcamp and Pennsylvanian formations, Eddy County, New Mexico.
- (3) That the S/2 of said Section 14 is to be dedicated to the well.
- (4) That a well at said unorthodox location will better enable applicant to produce the gas underlying the proration unit.
- (5) That no offset operator objected to the proposed unorthodox location.
- (6) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable

fd/

S E A L

STATE OF NEW MEXICO  
OIL CONSERVATION DIVISION  
JOE D. RAMEY  
Director

above designated.

DONE at Santa Fe, New Mexico, on the day and year herein-

(3) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

the above-described well.

(2) That the S/2 of said Section 14 shall be dedicated to

(1) That an unorthodox gas well location for the Wolfcamp and Pennsylvanian formations is hereby approved for the Amoco Production Company Willow Lake Unit Well No. 4Y to be located at a point 1980 feet from the South line and 660 feet from the West line of Section 14, Township 24 South, Range 28 East, NMPM, Eddy County, New Mexico.

IT IS THEREFORE ORDERED:

share of the gas in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

Case No. 7215  
Order No. R-6654



ENERGY AND MINERALS DEPARTMENT  
OIL CONSERVATION DIVISION

BRUCE KING  
GOVERNOR

LARRY KEHOE  
SECRETARY

July 29, 1981

RECEIVED

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87501  
(505) 827-2434

AUG 03 1981

O. C. D.  
ARTESIA, OFFICE

Amoco Production Company  
P. O. Box 68  
Hobbs, New Mexico 88240

Attention: S. J. Okerson

Administrative Order NSL-1387

Gentlemen:

Reference is made to your application for a non-standard location for your Willow Lake Unit Well No. 4-Y to be located 1980 feet from the South line and 860 feet from the West line of Section 14, Township 24 South, Range 28 East, NMPM, Wolfcamp and Pennsylvanian formations, Eddy County, New Mexico.

By authority granted me under the provisions of Rule 104 F of the Division Rules and Regulations, the above-described unorthodox location is hereby approved.

Sincerely,

JOE D. RAMEY,  
Director

JDR/RLS/dr

cc: Oil Conservation Division - Artesia  
Oil & Gas Engineering Committee - Hobbs