

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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Form C-105
Revised 10-1-78

OIL CONSERVATION DIVISION
P. O. BOX 2088 JUN 1 1982
SANTA FE, NEW MEXICO 87501

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
647-368

1a. TYPE OF WELL *By m*
OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐
b. TYPE OF COMPLETION
NEW WELL ☐ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☒ DIFF. RESVR. ☐ OTHER ☐

7. Unit Agreement Name
Empire South Deep Unit
8. Farm or Lease Name
Empire South Deep Unit
9. Well No.
19

2. Name of Operator
Amoco Production Company ✓
3. Address of Operator
P. O. Box 68, Hobbs, NM 88240

10. Field and Pool, or Wildcat
Und. Empire South
Wolfcamp

4. Location of Well
UNIT LETTER H LOCATED 2280 FEET FROM THE North LINE AND 660 FEET FROM
THE East LINE OF SEC. 36 TWP. 17-S RGE. 28-E NMPM

12. County
Eddy

15. Date Spudded 6-15-78 16. Date T.D. Reached 7-27-78 17. Date Compl. (Ready to Prod.) 4-15-82 18. Elevations (DF, RKB, RT, GR, etc.) 3692.9 RDB 19. Elev. Casinghead

20. Total Depth 11,299 21. Plug Back T.D. 8765 22. If Multiple Compl., How Many 23. Intervals Drilled By Rotary Tools Cable Tools

24. Producing Interval(s), of this completion — Top, Bottom, Name
7730-40 Wolfcamp 25. Was Directional Survey Made

26. Type Electric and Other Logs Run 27. Was Well Cored

CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8	48	389	17-1/2	400 SX C1C	
8-5/8	32	2906	12-1/4	1200 Sx Howco Lite, 1200 SX C1 C	
5-1/2	15.5, 17	11200	7-7/8	1700 SX Trinity lite, 600 SX C1H	

LINER RECORD				TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
						7795	7706

31. Perforation Record (Interval, size and number)
7730-40
.4 inch 4 JSPF

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL 7730-40 AMOUNT AND KIND MATERIAL USED
3000 gallons 15% HCL
w 1000 SCF N2/Bbl

33. PRODUCTION
Date First Production 3-30-82 Production Method (Flowing, gas lift, pumping — Size and type pump) Pump Well Status (Prod. or Shut-in) Prod.
Date of Test 4-15-82 Hours Tested 24 Choke Size Prod'n. For Test Period Oil — Bbl. 38 Gas — MCF 41 Water — Bbl. 118 Gas — Oil Ratio 3105
Flow Tubing Press. Casing Pressure Calculated 24-Hour Rate Oil — Bbl. Gas — MCF Water — Bbl. Oil Gravity — API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) Vented Test Witnessed By

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Mark Freeman TITLE Asst. Admin. Analyst DATE 5-27-82

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northwestern New Mexico

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn <u>9571</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka <u>10180</u>	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Tedito _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs <u>6440</u>	T. Wingate _____	T. _____
T. Wolfcamp <u>7508</u>	T. Morrow <u>10408</u>	T. Chinle _____	T. _____
T. Penn. _____	T. Barnett Shale <u>10856</u>	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from <u>10489</u> to <u>10461</u>	No. 4, from _____ to _____
No. 2, from _____ to _____	No. 5, from _____ to _____
No. 3, from _____ to _____	No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from <u>None</u> to _____ feet	_____
No. 2, from _____ to _____ feet	_____
No. 3, from _____ to _____ feet	_____
No. 4, from _____ to _____ feet	_____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	389	389	Surface				
389	1604	1215	Anhydrite				
1604	1992	388	Anhydrite, Dolomite				
1992	2174	182	Anhydrite, Lime				
2174	2550	376	Anhydrite				
2550	2957	407	Anhydrite, Lime				
2957	6893	3936	Lime				
6893	10918	7025	Lime, Shale				
10918	11008	90	Shale				
11008	11043	35	Shale, Lime				
11043	11090	47	Shale				
11090	11133	43	Lime, Shale				
11133	11200	67	Shale				