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NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED

Form C-105
Revised 11-1-78

5a. Indicate Type of Lease
State ☒ Fee ☐

5. State Oil & Gas Lease No.

647-368

7. Unit Agreement Name

8. Form or Lease Name

Empire South Deep Unit

9. Well No.

19

10. Field and Pool, or Wildcat

South Empire Morro

11. County

Eddy

1a. TYPE OF WELL

NOV 13 1978

b. TYPE OF COMPLETION

OIL WELL ☐

GAS WELL ☒

DRY ☐

OTHER

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☐

DIFF. RESVR. ☐

O. C. C.

ARTESIA, OFFICE

2. Name of Operator

Amoco Production Company

3. Address of Operator

P.O. Drawer "A", Levelland, Texas 79336

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

15. Date Spudded

6-15-78

16. Date T.D. Reached

7-27-78

17. Date Compl. (Ready to Prod.)

8-27-78

18. Elevations (D.F., RKB, RT, GR, etc.)

3692.9 RDB

19. Elev. Casinghead

20. Total Depth

11,200'

21. Plug Back T.D.

11,031'

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

0-TD

Cable Tools

No

24. Producing Interval(s), of this completion - Top, Bottom, Name

10,489'-10,641' Morrow

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

Comp. Densilog Comp Neutron; Dual Laterolog

27. Was Well Cored

No

28. 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 CL.C	
8 5/8"	32#	2906'	12 1/4"	1200 sx Howcolite; 1200 sx CL.C	
5 1/2"	17# & 15.5#	11,200'	7 7/8"	1700 sx Trinity Lite; 600 sx CL.H	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	10,491'	10,436'

31. Perforation Record (Interval, size and number)

10,489' - 95'

10,521' - 26' W/ 4 DPJSFF

10,637' - 41'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
10,489' - 10,641'	4000 gal 7 1/2% MSR-150 W/1000 SCF Nitro/bbl.
10,489' - 10,641'	38,000 gal W., 30,000# mesh sand 51,000#20-40SNW/25% Co ₂

33. PRODUCTION

Date First Production: 8-27-78	Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing	Well Status (Prod. or Shut-in) Shut-In
Date of Test 8-27-78	Hours Tested 24 Hrs.	Choke Size 14/64
Flow Tubing Press. 100	Casing Pressure 6	Prodn. Per Test Period 6
	Calculated 24-Hour Rate 6	Oil - Bbl. 6
		Gas - MCF 529
		Water - Bbl. 6
		Gas - Oil Ratio 6
		Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.)

ND to be sold

Test Witnessed By

35. List of Attachments

Logs sent 10-6-78; Deviation Survey

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 Dennis Evans

TITLE Assist. Admin. Analyst

DATE 11-7-78

0 + 4- NMOCC-A
1-Houston

1-Susp
1-DE

21-Partners

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than _____ days after the completion of any newly-drilled or deepened well. It shall be accompanied by _____ a copy of all electrical and radioactivity logs run in the well and a summary of all special tests conducted, including full 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>10,180</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 Qtzite _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	T. _____
T. Blinbry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	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>10,408'</u>	T. Chinle _____	T. _____
T. Penn. _____	T. Barnett Shale <u>10,856'</u>	T. Permian _____	T. _____
T. Cisco (Bough C) <u>8574</u>	T. _____	T. Penn. "A" _____	T. _____

OIL OR GAS SANDS OR ZONES			
No. 1, from <u>10,489</u> to <u>10,641</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	10,918	7025	Lime, Shale				
10,918	11,008	90	Shale				
11,008	11,043	35	Shale, Lime				
11,043	11,090	47	Shale				
11,090	11,133	43	Lime, Shale				
11,133	11,200	67	Shale				