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NEW MEXICO OIL & GAS COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG
FEB 4 1977

Form C-105
Revised 11-1-76

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

Bureau of Mines

O.C.C.
ARTESIA, OFFICE

1a. TYPE OF WELL	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. Form or Lease Name
EMPIRE SOUTH DEEP UNIT
9. Well No.

2. Name of Operator
AMOCO PRODUCTION COMPANY
3. Address of Operator
P.O. DRAWER A, LEVELLAND, TEXAS 79336
4. Location of Well

10. Field and Pool, or Wildcat
EMPIRE SOUTH DEEP UNIT

UNIT LETTER	K	LOCATED	1980	FEET FROM THE	SOUTH	LINE AND	2120	FEET FROM
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THE WEST LINE OF SEC.	5	TWP.	18-S	RGE.	29-E
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11. County
EDDY

15. Date Spudded	11-5-76	16. Date T.D. Reached	12-26-76	17. Date Compl. (Ready to Prod.)	2-1-77	18. Elevations (DF, RKB, RT, GR, etc.)	3591 RDB	19. Elev. Cushinghead	-
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20. Total Depth	11,165	21. Plug Back T.D.	11,130	22. If Multiple Compl., How Many	-	23. Intervals Drilled By	Rotary Tools	Cable Tools
							SURF. & TD	-

24. Producing Interval(s), of this completion - Top, Bottom, Name	10,642' - 10,656', 10,730' - 10,750', 10,888' - 10,900'	MORROW	25. Was Directional Survey Made	No.
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26. Type Electric and Other Logs Run	DUAL LATERAL LOG MICRO-SFL, COMPENSATED NEUTRON FORMATION DENSITY	27. Was Well Cored	YES - SIDEWALL
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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 #	425'	17 1/2"	400 SX CLASS C	CIRC. 18 SX
9 5/8"	32.3" x 36 #	2900'	12 1/4"	2275 SX TLW x CLASS C	CIRC. 389 SX.
5 1/2"	15.5 - 17 #	11,165'	8 3/4"	2225 SX TLW x CLASS C	TGC 3870'

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	10,560	10,500

31. Perforation Record (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
10,642' - 10,656' } 10,730' - 10,750' } 2 JSPF 10,888' - 10,900' }	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
		NONE

33. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
1-13-77		FLOWING				SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
1-28-77	1	20/64		3	280	0	93.333
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
2618	-		72	CAOF 31,150	0	64.5	

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

35. List of Attachments
Logs as listed in item 26

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.	
Signature	TITLE
Ray W. Cox	Administrative Assistant
DATE	2-77

20 - PARTNERS

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Commission not later than 30 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 <u>9500</u>	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn <u>9740</u>	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka <u>10198</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 <u>2730</u>	T. Simpson _____	T. Gallup _____	T. Ignacio Qtzite _____
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. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo <u>7090</u>	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp <u>7860</u>	T. <u>MIDDLE MORROW 10640</u>	T. Chinle _____	T. _____
T. Penn. _____	T. <u>LOWER MORROW 10950</u>	T. Permian _____	T. _____
T. Cisco (Bough C) <u>8900</u>	T. <u>BARNETT SHALE 10980</u>	T. Penn. "A" _____	T. _____
	<u>CHESTER LIME 11130</u>		

OIL OR GAS SANDS OR ZONES

No. 1, from <u>10,642'</u> to <u>10,656'</u>	No. 4, from _____ to _____
No. 2, from <u>10,730'</u> to <u>10,750'</u>	No. 5, from _____ to _____
No. 3, from <u>10,888'</u> to <u>10,900'</u>	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	142	142	SURFACE	8869	9284	415	LIME & SHALE
142	556	414	RED BED	9284	10705	1421	LIME
556	1930	1374	SALT & ANHYDRITE	10705	11034	329	LIME & SHALE
1930	2604	674	ANHYDRITE	11034	11.165	131	SHALE
2604	2900	296	ANHYDRITE & LIME				
2900	4645	1745	LIME				
4645	4721	76	LIME & CHERT & DOLOMITE				
4721	4885	164	LIME & CHERT				
4885	5364	479	LIME				
5364	6082	718	LIME & DOLOMITE				
6082	6631	549	LIME				
6631	6686	55	LIME & SHALE				
6686	6803	117	LIME				
6803	8268	1465	SANDSTONE & DOLOMITE				
8268	8545	277	DOLOMITE				
8545	8869	324	LIMESTONE & DOLOMITE & SHALE				