

CONFIDENTIAL

CISF
B2M
B4M
ST2d

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO.

30-015-28760

5. Indicate Type Of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

DOROTHY 36 STATE COM

8. Well No.

1

9. Pool name or Wildcat

EMPIRE, MORROW, SOUTH

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:

OIL WELL ☐

GAS WELL ☒

DRY ☐

OTHER ☐

b. Type of Completion:

NEW WELL ☒

WORK OVER ☐

DEEPEN ☐

PLUG BACK ☐

DIFF RESVR ☐

OTHER ☐

2. Name of Operator

ARCO Permian

3. Address of Operator

P.O. Box 1710, Hobbs, New Mexico 88240

4. Well Location

Unit Letter N : 1163 Feet From The S

Line and 1647

Feet From The W Line

Section 36

Township 17S

Range 28E

NMPM EDDY

County

10. Date Spudded

01/19/96

11. Date T.D. Reached

03/13/96

12. Date Compl (Ready to Prod.)

04/02/96

13. Elevations (DF & RKB, RT, GR, etc.)

3674' GR

14. Elev. Casinghead

15. Total Depth

11070

16. Plug Back T.D.

10988

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

X

Cable Tools

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

10780-10787

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

LATEROLOG, COMPENSATED NEUTRON

22. Was Well Cored

NO

23. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	54.5#	540	17-1/2"	640 SX C CIRC CMT	0
8-5/8"	24#	2630	12-1/2"	1025 SX C TOC 250 TS	0
7"	26#	9800	7-7/8"	400 SX H TOC 8076 TS	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
5-1/2" 17#	9474'	11045	100 SX H		2-3/8"	9561'	9566'

25. TUBING RECORD

26. Perforation record (interval, size, and number)

10780-10787, 28 HOLES, 4 JSPF

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
NA	

28. PRODUCTION

Date First Production 04/17/96		Production Method (Flowing, gas lift, pumping - Size and type pump) FLOWING					Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 04/18/96	Hours Tested 24	Choke Size 10/64	Prod'n For Test Period	Oil - Bbl. 9	Gas - MCF 958	Water - Bbl. 0	Gas - Oil Ratio 10,644	
Flow Tubing Press. 2790#	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)		

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

SOLD

Test Witnessed By

30. List Attachments

LATEROLOG, COMP NEUTRON, DIR SURVEY, INC. REPORT

31. 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

Kellie D. Murrish

Printed Name

Kellie D. Murrish

Title

Admin. Asst.

Date 04/22/96

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 25 through 29 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

T. Anhy _____	T. Canyon _____
T. Salt _____	T. Strawn 9869
B. Salt _____	T. Atoka 10169
T. Yates 866	T. Miss 10873
T. 7 Rivers 1154	T. Devonian _____
T. Queen 1809	T. Silurian _____
T. Grayburg _____	T. Montoya _____
T. San Andres 2667	T. Simpson _____
T. Glorieta 4305	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinbry _____	T. Gr. Wash _____
T. Tubb _____	T. Delaware Sand _____
T. Drinkard _____	T. Bone Springs 6172
T. Abo 6832	T. _____
T. Wolfcamp 7123	T. _____
T. Penn 8392	T. _____
T. Cisco (Bough C) 8640	T. _____

Northeastern New Mexico

T. Ojo Alamo _____	T. Penn. "B" _____
T. Kirtland-Fruitland _____	T. Penn. "C" _____
T. Pictured Cliffs _____	T. Penn. "D" _____
T. Cliff House _____	T. Leadville _____
T. Menefee _____	T. Madison _____
T. Point Lookout _____	T. Elbert _____
T. Mancos _____	T. McCracken _____
T. Gallup _____	T. Ignacio Otzte _____
Base Greenhorn _____	T. Granite _____
T. Dakota _____	T. _____
T. Morrison _____	T. _____
T. Todilto _____	T. _____
T. Entrada _____	T. _____
T. Wingate _____	T. _____
T. Chinle _____	T. _____
T. Permian _____	T. _____
T. Penn "A" _____	T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 10780 to 10787	No. 3, from _____ to _____
No. 2, from _____ to _____	No. 4, from _____ to _____

IMPORTANT WATER SANDS

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

No. 1, from _____ to _____ feet	_____ feet
No. 2, from _____ to _____ feet	_____ feet
No. 3, from _____ to _____ feet	_____ feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	540	540	Surf	10220	10343	123	Shale
540	1100	560	Salt-Anhy	10343	10486	143	Lime
1100	1260	160	Anhy	10486	10529	43	SD-LI-CHT
1260	1967	707	Salt-Anhy	10529	10695	166	Shale-Lime
1967	2630	663	Anhy	10695	10733	38	Lime
2630	3030	400	Anhy-Lime	10733	10766	33	Lime-SD
3030	4080	1050	Dolo-Lime	10766	10844	78	SD-Lime-Shale
4080	4585	505	SD-Dolo	10844	11000	156	Shale
4585	5770	1185	Dolo-Lime	11000	11070	70	Lime
5770	7100	2515	Dolo				
7100	7167	67	Dolo-Lime-Shale				
7167	7252	85	Lime-Chert				
7252	7291	39	Dolo-Lime				
7291	7550	259	Lime-Chert				
7550	8153	603	Lime-Shale				
8153	8720	567	Lime				
8720	9907	1187	Lime				
9907	9962	55	Lime-Shale				
9962	10023	61	Lime-Chert				
10023	10187	164	Lime				
10187	10220	33	Shale-Lime				