

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL/API NO.

30-015-28946

5. Indicate Type Of Lease

STATE ☒

FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

DINAH 23 FED COM

8. Well No.

1

9. Pool name or Wildcat

EMPIRE ATOKA

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 1610, MIDLAND, TX 79702

4. Well Location

Unit Letter M : 1077 Feet From The SOUTH Line and 660 Feet From The WEST Line

Section 23

Township 17S

Range 28E

NMPM

EDDY

County

10. Date Spudded

05-27-96

11. Date T.D. Reached

07-02-96

12. Date Compl.(Ready to Prod.)

08-07-96

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

3590 GR

14. Elev. Casinghead

15. Total Depth

10560

16. Plug Back T.D.

10180

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

9810-9817 ATOKA

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

PE-N/D-RG PE-HALS/MCFL DS-SI-GR

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	48.5	560	17 1/2	575 SX C CIRC CMT	0
9 5/8	36	2650	12 1/4	950 SX C CIRC CMT	0
5 1/2	15.5/17	10560	8 3/4	1440 SX H 5858 CBL	0

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	9770	9737

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

10,224-252 (PLUGGED BACK)
9810-9817

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

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

10,224-252

CIRP AT 10,200 W/35' CMT

9810-9817

A W/2200 GALS

28. PRODUCTION

Date First Production

08-07-96

Production Method (Flowing, gas lift, pumping - Size and type pump)

FLOWING

Well Status (Prod. or Shut-in)

PROD

Date of Test

09-18-96

Hours Tested

24

Choke Size

14/64

Prod'n For Test Period

25

Oil - Bbl.

600

Gas - MCF

600

Water - Bbl.

0

Gas - Oil Ratio

24,000

Flow Tubing Press.

760

Casing Pressure

PKR

Calculated 24-Hour Rate

25

Oil - Bbl.

25

Gas - MCF

600

Water - Bbl.

0

Oil Gravity - API (Corr.)

52.9

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

SOLD

Test Witnessed By

30. List Attachments

LOGS, DST REPORT, INCLINATION 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

Charles W. Knight, Jr.

Printed Name

CHARLES W. KNIGHT, JR

Title

AGENT

Date 01/27/97

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 _____ 9423
B. Salt _____	T. Atoka _____ 9726
T. Yates _____	T. Miss _____ 10375
T. 7 Rivers _____	T. Devonian _____
T. Queen _____ 1310	T. Silurian _____
T. Grayburg _____	T. Montoya _____
T. San Andres _____ 1998	T. Simpson _____
T. Glorieta _____ 3541	T. McKee _____
T. Paddock _____	T. Ellenburger _____
T. Blinebry _____	T. Gr. Wash _____
T. Tubb _____ 4997	T. Delaware Sand _____
T. Drinkard _____	T. Bone Springs _____
T. Abo _____ 5594	T. _____
T. Wolfcamp _____ 6912	T. _____
T. Penn _____ 8210	T. _____
T. Cisco (Bough C) _____	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 _____ to _____	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 _____
No. 2, from _____ to _____	feet _____
No. 3, from _____ to _____	feet _____

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	5594	5594	ANHY & DOLO				
5594	5770	176	SHALE				
5770	6912	1142	DOLO				
6912	9726	2814	LIMESTONE				
9726	9850	124	SD & SH & LIME				
9850	10144	290	LIMESTONE				
10144	10375	231	SD & SH				
10375	10508	133	SHALE				
10508	10560	52	LIMESTONE				