

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

NM-2938

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Gandhi Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Tamano Bone Springs

11. SEC. T. R., M., OR BLOCK AND SURVEY OR AREA

24-18S-31E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐

1b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

ARCO Oil & Gas Co.

3. ADDRESS OF OPERATOR

Box 1610, Midland, TX 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 990 FNL & 330 FWL (Unit Letter D)

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

30-015-26243

15. DATE STUDDED

12-15-89

16. DATE T.D. REACHED

1-11-90

17. DATE COMPL. (Ready to prod.)

5-16-90

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3698.7 GR 3716.2 KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

10,000

21. PLUG BACK T.D., MD & TVD

9878

22. IF MULTIPLE COMPL., HOW MANY*

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

7871-8995 Bone Springs

ACCEPTED FOR RECORD

25. WAS DIRECTIONAL SURVEY MADE
X NO

26. TYPE ELECTRIC AND OTHER LOGS RUN

DLL/MG/GR, SDL/DSN/CSNGR

27. WAS WELL CORRED

X NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED
13 3/8	54.5	467	17 1/2	500 sx - Circ
8 5/8	24	2419	11	1000 sx - Circ
5 1/2	17	10000	7 7/8	2030 sx - Circ

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 7/8	8500	

31. PERFORATION RECORD (Interval, size and number)

9224-9350, 8264-8340, 8819-8995
7871-8141: A w/4000 gals. Frac w/
137,000 gals&317,500# sd.
8452-8521: A w/4000 gals. Frac w/
137,000 gals&257,500# sd

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
9224-9350 A w/	7500 gals. Set CIBP at 918
8264-8340 A w/	6000 gals. Sqz w/550 sx.
8819-8995 A w/	3500 gals. Frac w/121000 ga & 226,500# sd

33.* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
5-16-90		Pumping				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
5-23-90	24		→	71	49	139	690
FLOW. TUBING PRESS.	CASINO PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→	71	49	139	30	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Ken W. Gosnell 915 688-5672
TITLE Regulatory Coordinator DATE 5/25/90

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Queen Bone Spring 1st Bone Spring Sd 2nd Bone Spring Sd 3rd Bone Spring Carbonate Wolfcamp	3482 6326 7852 8444 9074 9784	

WELL NAME AND NUMBER Gandhi #1

RECEIVED

LOCATION 990' FNL & 330' FWL, Section 24, T-18S, R-31E, Eddy County, New Mexico
(New Mexico give U.S.T. & R. - Texas give S, BLK, SURV. and TWP) 1990

OPERATOR ARCO Oil & Gas Company - P.O. Box 1610 - Midland, TX 79702

DRILLING CONTRACTOR ZIADRIL, Inc. - P.O. Box 1860 - Hobbs, NM 88241

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>	<u>Degrees and Depth</u>
<u>1/2 254</u>	<u>1/2 3655</u>	<u>2 6772</u>	<u>1/2 8678</u>
<u>1/2 435</u>	<u>1/2 3961</u>	<u>1-1/2 6929</u>	<u>1 8833</u>
<u>1/4 895</u>	<u>1 4269</u>	<u>1-1/4 7053</u>	<u>1/2 9020</u>
<u>3/4 1290</u>	<u>1/2 4484</u>	<u>1-1/2 7240</u>	<u>2 9361</u>
<u>1-1/2 1693</u>	<u>1/2 4763</u>	<u>1 7332</u>	<u>1-3/4 9454</u>
<u>1-3/4 1849</u>	<u>1/4 5071</u>	<u>1 7547</u>	<u>1-1/2 9547</u>
<u>2 2126</u>	<u>1/2 5412</u>	<u>1/4 7670</u>	<u>1-3/4 9732</u>
<u>1 2313</u>	<u>3/4 5723</u>	<u>1-1/2 7822</u>	<u>1-3/4 9977</u>
<u>1 2404</u>	<u>1/2 6030</u>	<u>1 7915</u>	
<u>1 2731</u>	<u>1-1/4 6340</u>	<u>3/4 8160</u>	
<u>3/4 3037</u>	<u>1-1/4 6494</u>	<u>3/4 8435</u>	
<u>1/2 3346</u>	<u>1/2 6648</u>	<u>1/2 8556</u>	

Drilling Contractor ZIADRIL, Inc.

By Wiley Gilmore
Wiley Gilmore - Marketing Manager

Subscribed and sworn to before me this 16th day of January 19 90

My Commission expires:

05/05/90

Julie M. Hopper
Notary Public - Julie M. Hopper
Lea County, New Mexico