

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

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LAND OFFICE	
OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
B - 1506

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

8. Farm or Lease Name  
Shoe Bar 23 State Com

9. Well No.  
1

10. Field and Pool, or Wildcat  
Shoe Bar Atoka South

2. Name of Operator  
ARCO Oil & Gas Co.

3. Address of Operator  
Box 1610, Midland, TX 79702

4. Location of Well  
UNIT LETTER E LOCATED 660 FEET FROM THE West LINE AND 1980 FEET FROM \_\_\_\_\_

THE North LINE OF SEC. 23 TWP. 17S RGE. 35E NMPM \_\_\_\_\_

12. County  
Lea

15. Date Spudded 3-8-87 16. Date T.D. Reached 4-17-87 17. Date Compl. (Ready to Prod.) NA 18. Elevations (DF, RKB, RT, GR, etc.) 3929.7 GR 19. Elev. Casinghead \_\_\_\_\_

20. Total Depth 12197 21. Plug Back T.D. 12109 22. If Multiple Compl., How Many \_\_\_\_\_ 23. Intervals Drilled By \_\_\_\_\_ Rotary Tools X Cable Tools \_\_\_\_\_

24. Producing Interval(s), of this completion - Top, Bottom, Name \_\_\_\_\_ 25. Was Directional Survey Made No

26. Type Electric and Other Logs Run CNL & DLL 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	54.5	511	17-1/2	820 sx Circ to surf	
9-5/8	36	4930	12-1/4	2185 sx Circ to surf	
5-1/2	17 & 20	12197	8-3/4	2430 sx TOC 6670 - TS	

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	30. TUBING RECORD	SIZE	DEPTH SET	PACKER SET

31. Perforation Record (Interval, size and number)  
11,972 - 12,020

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
<u>11,972 - 12,020</u>	<u>A w/2200 gals. Frac w/36,000 gals &amp; 34,000# sd</u>
	<u>A w/3000 gals</u>

33. PRODUCTION

Date First Production \_\_\_\_\_ Production Method (Flowing, gas lift, pumping - Size and type pump) \_\_\_\_\_ Well Status (Prod. or Shut-in) Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.) \_\_\_\_\_ Test Witnessed By \_\_\_\_\_

35. List of Attachments  
Logs, Inclinations

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 Ken W. Sosnell (915) 688-5672 TITLE Engr. Tech. DATE 8-20-87

**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 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 _____	11225	T. Ojo Alamo _____	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	11588	T. Kirtland-Fruitland _____	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	11700	T. Pictured Cliffs _____	T. Penn. "D" _____
T. Yates _____	T. Miss _____	12061	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 Qtzte _____
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 _____		T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____		T. Chinle _____	T. _____
T. Penn. _____	T. _____		T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____		T. Penn. "A" _____	T. _____

**OIL OR GAS SANDS OR ZONES**

No. 1, from _____ to _____	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 _____ 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	1823	1823	Redbed	9215	9238	23	Lime
1823	3005	1182	Anhy & salt	9238	9760	522	Dolo & shale
3005	3050	45	Anhy	9760	10490	730	Lime & shale
3050	3505	455	Sand & shale	10490	10828	338	Lime
3505	3718	213	Shale	10828	10916	88	Lime & shale
3718	3901	183	Sand & Anhy	10916	11,115	199	Shale
3901	3924	23	Lime	11,115	11,669	554	Shale & lime
3924	3989	65	Anhy	11,669	12,197	528	Shale & sand & lime
3989	4874	885	Lime				
4874	4930	56	Sandy lime				
4930	5981	1051	Lime				
5981	6930	949	Dolo & lime				
6930	6952	22	Lime				
6952	8342	1390	Dolo & lime				
8342	9215	873	Lime & shale				

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