

UNITED STATES

SUBMIT IN DUPLICATE

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

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

(See instructions on  
reverse side)

5. LEASE DESIGNATION AND SERIAL NO.

NM#19143

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

#1

10. FIELD AND POOL, OR WILDCAT

Antelope Ridge - Atoka

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

Sec. 3, T23S, R34E

12. COUNTY OR  
PARISH

Lea

13. STATE

NM

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 ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR  
Diamond Shamrock Exploration Company

3. ADDRESS OF OPERATOR  
P. O. Box 400, Amarillo, Texas 79188-0001

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1980' FNL & 1980' FEL  
At top prod. interval reported below  
At total depth

14. PERMIT NO. N/A  
DATE ISSUED 9-25-85

15. DATE SPUDDED 10-14-85  
16. DATE T.D. REACHED 2-03-86  
17. DATE COMPL. (Ready to prod.) 3-18-86  
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 3415.6 RKB  
19. ELEV. CASINGHEAD 3389 GR

20. TOTAL DEPTH, MD & TVD 13,552 MD, 13,549 TVD  
21. PLUG, BACK T.D., MD & TVD 12,408'  
22. IF MULTIPLE COMPL., HOW MANY\* Single  
23. INTERVALS DRILLED BY Surface to TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
12,084-12,112 Atoka  
25. WAS DIRECTIONAL SURVEY MADE Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN SP, CDL, CNL, DLL, MSFL, GR, DIL, BHC Sonic, CBL, FED  
27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
20"	133#, 106.5#	94# 1848'	26"	3300 sx lite, 400 sx C circ	None
13 3/8"	68, 61, 54.5	4859'	17 1/2"	Attached supplemental report	None
9 5/8"	47, 43, 40	11,700'	12 1/4"	400 sx 50/50 Poz, 1770 sx H, Temp. Survey TOC-7200'	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
5 1/2"	11,413'	12,408'	400 sx		2 7/8"	11,946'	11,946

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
12,084' to 12,112' w/4 spf, .29" dia 112 holes		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		12,084-12,112'	20,000 gals gelled 20% HCl

33.\* PRODUCTION  
DATE FIRST PRODUCTION  
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)  
WELL STATUS (Producing or shut-in)

Waiting on Pipeline		Flowing		SIWOPL			
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
3-18-86	4.25			45	587	0	73,200/1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
4284 psig	--		270	6722	-0-	54.95°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Sold  
TEST WITNESSED BY  
Greg Mc Murry

35. LIST OF ATTACHMENTS  
Sundry Notice, Supplemental Cmt. Record  
APR 18 1986

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records  
SIGNED Greg Drzenski  
TITLE CARLSBAD, NEW MEXICO Production Engineer  
DATE 3-25-86

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

Post 151 gas well

### 38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Atoka	12,017'	12,253'	interbedded shale & limestone sh; pred lt/dk gry tr blk plty IP slty IN txt VSFT, tr frm sli calc. limestone; wh crm wh buf tan lt brn uflxn w/chlky txt slty txt sm sli arg slty IP USFT.	Delaware	5331	
				Bone Spring	8490	
				Bone Spring I	8590	
				Bone Spring II	9450	
				Wolfcamp	10,386	
				Strawn	11,750	
				Atoka	12,017	
				Middle Mw	13,017	

FEDERAL #1  
LEA COUNTY, NM

ITEM #29: Casing Record \*Cementing Record

13 3/8" Casing Record as follows:

1683' 13 3/8" S-80 68#/ft ST&C  
1672' 13 3/8" S-80 61#/ft ST&C  
1292' 13 3/8" K-55 54.5#/ft ST&C  
211' 13 3/8" S-80 54.5#/ft ST&C

Landed at 4859' RKB DV tool at 3350.66'

\*Cement by Halliburton as follows:

1st stage 575 sx lite w/5#/sx gilsonite, tail in w/300 sx Class "C"  
w/2% CaCl.

2nd stage 950 sx lite w/5#/sx gilsonite

Circulated throughout job  
Calculated TOC at 1089'

RECEIVED  
APR 21 1986  
C.C.D.  
HOBBS OFFICE