

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

RECEIVED

5. LEASE DESIGNATION AND SERIAL NO.

NM-34850

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Nov 21 12 18 PM '90

7. UNIT AGREEMENT NAME

CARL SURGE

AREA LEASERS

8. FARM OR LEASE NAME

Amethyst 22 Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Und. Atoka

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

OR AREA

Sec. 22, T-19S, R-33E

12. COUNTY OR PARISH

Lea

13. STATE

NM

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

3649.8' GR

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

13,700'

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

13,608'

22. IF MULTIPLE COMPL. HOW MANY*

N/A

23. INTERVALS DRILLED BY

Rotary Tools

Cable Tools

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

12,635'-12,638' (Atoka "Wynel" sand)

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

CNL/LDT, DLL/MSFL, BHC

27. WAS WELL COBED

No

14. PERMIT NO. API # DATE ISSUED
30-025-30928

15. DATE STUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.)
8-10-90 9-20-90 10-16-90

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL. HOW MANY*
13,700' 13,608' N/A

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
12,635'-12,638' (Atoka "Wynel" sand)

CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48	435'	17-1/2	450 sx C1 H	None
8-5/8"	32	5254'	12-1/4	2000 sx C-lite + 300 sx C	Ready mix
5-1/2	17	13,700'	7-7/8	1475 sx C1 H	

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
N/A					2-3/8	12,339'	12,339'

PERFORATION RECORD (Interval, size and number)	ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
12,635'-12,638' (2 JSPF) 1-11/16" gun total of 8 holes	DEPTH INTERVAL (MD) 12,635'-638'
	AMOUNT AND KIND OF MATERIAL USED Spot 500 gal 10% DI acid 1500 gal 7 1/2% HCl

PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-5-90		Flowing				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-20-90	4	var	→	12	132	1	11,000
LOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
1518	pkp	→	72	AOF 2429	24	51.9	
4. DISPOSITION OF GAS (Sold, used for fuel)							

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
Vented during test. Shut in waiting on sales connection

35. LIST OF ATTACHMENTS
C-104, C-122 w/ attach, Deviation Survey, Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED Ernest McCullough TITLE Sr. Production Clerk DATE 11/20/90

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

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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
Seven Rivers	3610	3620	Hydrocarbons (oil)	T/Evaporites	1420	
1st Bone Spring	9230	9255	Hydrocarbons (oil)	Yates	3283	
Sand	12635	12640	Gas and Condensate	Seven Rivers	3522	
Atoka	12755	12765	Gas and Water	Queen	4278	
Morrow	13194	13208	Gas and Water	Grayburg	4737	
	13306	13314	Gas	San Andres	5028	
	13344	13368	Gas	Delaware	6021	
	13414	13433	Gas	Bone Spring	7922	
	13448	13458	Gas	2nd Bone Spring		
				SS	9903	
				3rd Bone Spring		
				SS	10690	
				Wolfcamp	11378	
				Strawn	12155	
				Atoka	12428	
				Morrow	12950	