

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

NM Oil & Gas
SUBMIT IN DUPLICATE
Drawer DD
(See instructions on reverse side)
NM 88210

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

RECEIVED
5. REGISTRATION AND SERIAL NO.
NM-0554771

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

CARLSBAD SOURCE
AREA HEADQUARTERS

T.O.G. Federal

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

East Burton Delaware

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

Sec. 16-20S-29E

12. COUNTY OR PARISH
Eddy

13. STATE
New Mexico

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
J.C. Williamson

3. ADDRESS OF OPERATOR
P.O. Box 16 Midland, Texas 79702

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1980' FNL & 660' FWL
At top prod. interval reported below same
At total depth same

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RKB, RT, GB, ETC.)* 19. ELEV. CASINGHEAD
Re-05/23/90 05/24/90 05/30/90 3270' GR 3270'

20. TOTAL DEPTH, MD & TVD 21. PLUG BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. ROTARY TOOLS 25. CABLE TOOLS
5076' PBDT 3430' Bridge Plug(OTD 11,979') X

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
3141-3169' Delaware

26. TYPE ELECTRIC AND OTHER LOGS RUN
Spectral Density Dual Spaced Neutron log, Dual Laterlog

28. *Existing CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	AMOUNT PULLED	
*13-3/8"	48#	576'	15"	circ. w/650 sx	
*8-5/8"	24# & 32#	3109'	12-1/4"	circ. w/1900 sx	
*5-1/2"	15.5#	5076'	7-7/8"	tie back w/800 sx	

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	3110'	3048'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
3141-42-49-50-51-59-66-67-68-69' (5/8") 10 shots		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		3141-3169'	acd. w/3000 gals 7 1/2% NEFE
			Frac w/10,000 gals gelled Kcl
			+ 20,500 # sand.

33.* PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
05/28/90		Flow and swab test				Shut-in	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
05/30/90	24	5/8"		192	153.6	196	800
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0-170#	Pkr.		192	154	196		

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

35. LIST OF ATTACHMENTS
Spectral Density and Dual Laterlog

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records
SIGNED J.C. Williamson TITLE Owner DATE 05/31/90

*(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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Surface Sd.	0	400'	Red sand and shale	Permian	0	400'
Permian Dewey Lake (formation caved in)				Dewey Lake		
Rustler (also caved in)	400'	560'	Anhydrite & Dolomite	Rustler	400	560
Salt Detrital (&cave material)	560'	635'	Sand and unsolubles in salt section	Salt Detrital & Salt	560	970
Salado	635'	970'	salt and anhydrite	Tansill	970	1110
Tansill	970'	1110'	anhy. and dolomite	Yates	1110	1270
Yates	1110'	1270'	sand and anhy. and dolomite	Seven Rivers	1270	-
Seven Rivers	1270'			Goat Seep Reef	1350	to 2700'
Seven Rivers Reef	1350'	2700±	Dolomite and Lime	Cherry Canyon	2700'±	to below present depth.
Cherry Canyon	top (2700±?)		"			
Cherry Canyon "Bonus Sand"						
Producing Zone	3138'	3152'	Gray Sand			

38. GEOLOGIC MARKERS