

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

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' FSL & 1980' FEL
At top prod. interval reported below
At total depth same

14. PERMIT NO. 30-015-21360 DATE ISSUED 03/02/89

15. DATE SPUDDED 05/10/89 16. DATE T.D. REACHED 05/10/89 17. DATE COMPL. (Ready to prod.) 05/17/89

18. ELEVATIONS (DF, HKB, RT, OR, ETC.)* 3272.5 GR

20. TOTAL DEPTH, MD & TVD 5103' 21. PLUG, BACK T.D., MD & TVD 5101'

22. IF MULTIPLE COMPL., HOW MANY* N/A

23. INTERVALS DRILLED BY XX

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4311-4370' Delaware

25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Spectral Density Dual Neutron and Dual Laterlog

27. WAS WELL CORRED No

CASING RECORD (Report all strings set in well)					
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	500'	15"	circ.w/650 sx	
8-5/8"	24# & 32#	3102'	12-1/4"	circ.w/1900 sx	
5-1/2"	15.5#	5102'	7-7/8"	605 sx	

LINER RECORD					TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	4264'	4171'

PERFORATION RECORD (Interval, size and number)		ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
4311-4370' w/19 holes (1/2")		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
		4311-4370'	acdz w/3000 gals 7-1/2% + additives.

PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
05/17/89		Flowing & swab				Prop.	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
05/18/89	24	3/4"		121	97	41	801/1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
0-250	Pkr		121	97	41		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented on test - to be sold to Delaware Natural Gas Co.

TEST WITNESSED BY Joe Baccus

35. LIST OF ATTACHMENTS Spectral Density & DLL

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

SIGNED Jan Plister TITLE Production DATE 06/05/89

*(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.
Surface Soil	0	10'	clay & shale, mixed caliche
Red shale & sd	10	250'	Red sand and shale
Anhy Sd & Dolo	250	540	caved in Rustler formation, salt dissolved out Rustler form., caved in on solution cavities.
Salt & Anhy.	540	1200	salt & anhy., some red sd & shale
Red sh., Anhy & Dolomite	1200	1390	Red shale & Anhy & Dolomite
Sand Shale Anhy. & Dolo.	1390	1550	Sand Shale Anhy. & Dolomite
Anhy. & Dolo.	1550	1660	some sand, mostly Anhy. & Dolomite
Dolomite & some shale	1660	3100'	Reef dolomite & lime, Basel part not reef just lime shale and sand
Sands, black shale & lime-stone	3100 to	5920'	Sand, blk shale, lime & mixed Blk shales and lime. This section contains many oil and gas producing sands.
Some Bentonite Delaware sands 5920' top			
Top first Bone Springs lime.			
*This well is a re-entry of old deep hole to the Morrow (11,965') Plug back depth 5106' in Brushy Canyon formation (top/about 4520')			

38. GEOLOGIC MARKERS

NAME	MEAS. DEPTH	TOP VERT. DEPTH
Mixed Chinle & Dewey Lake	10 to 250'	240'
Rustler	250 to 540'	290'
Salado	540 to 1200'	660'
Tansill	190'	190'
Yates	160'	160'
Seven Rivers	110'	110'
Goat Seep Reef	1440'	1440'
covers: Seven River Queen & Grayberg formations.		
Reef reaches into Cherry Canyon includes: Bell Canyon. Cherry Canyon is near top of San Andres.		