

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Poc. <u>Undesignated</u>		Formation <u>Gallup</u>		County <u>Santa Fe</u>	
Inst. # <u>1 X</u>	Annual	Special	Date of Test <u>5-17-67</u>		
Company <u>Thomas A. Dyer</u>		Lease <u>Shiprock</u>		Well No. <u>7</u>	
Unit <u>C</u>	Sec. <u>14</u>	Twp. <u>36 N</u>	Range <u>18 W</u>	Purchaser	
Casing <u>2 7/8</u>	Wt. <u>5.9</u>	I.D.	Set at <u>380</u>	Perf. <u>366</u>	To <u>380</u>
Tubing <u>None</u>	Wt.	I.D.	Set at	Perf.	To
G. Pay:	From <u>366</u>	To <u>380</u>	L <u>380</u>	G <u>0.11</u>	GL <u>224</u>
Bar. Press.					
Producing Through:		Casing <u>X</u>	Tubing	Type Well - Single - Braden head - G.G. or G.O. Dual <u>Single - Braden</u>	
Date of Completion <u>5-13-67</u>		Packer	Reservoir Temp.		

OBSERVED DATA

Prover ☐ Choke ☒ Meter ☐						Type of Taps				
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig.	Diff. h.w.	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
1.										
2.										
3.		<u>3/4"</u>	<u>35</u>		<u>62</u>					<u>3 min</u>
4.										
5.										

FLOW CALCULATIONS

No.	Coefficient (24 Hour)	$\sqrt{h_w P_t}$	Pressure psia	Flow Temp. Factor F_t	Gravity Factor F_g	Compress. Factor F_{pv}	Rate of Flow Q-MCF PD @ 15.025 psia
1.							
2.							
3.	<u>12.3450</u>		<u>47</u>	<u>0.9581</u>	<u>0.9112</u>	<u>1.000</u>	<u>575</u>
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
 Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 P_c 5551 P_c^2 31684

No.	$\frac{P_w}{P_t}$ psia	P_t^2	$(F_c Q)^2 (1-e^{-S})$	P_w^2	$P_c^2 - P_w^2$	Cal $\frac{P}{P_w}$	$\frac{P}{P_c}$
1.							
2.							
3.	<u>47</u>				<u>2943</u>		<u>1.000</u>
4.							
5.							

ABSOLUTE POTENTIAL: 607 MCFPD; $n = .75$ 10552

COMPANY Thomas A. Dyer WITNESSED Tom Dyer

ADDRESS Box 101, Farm 101, Shiprock, NM COMPANY _____

AGENT AND TITLE J.A. Miller

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMAY 10 1967

Form approved.
Budget Bureau No. 42-R355.5.U. S. GEOLOGICAL SURVEY
CARDAMON, N. M.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. 14-20-0600-5002	
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME Navajo	
2. NAME OF OPERATOR Thomas A. Dwyer		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR Box 234, Farmington, N.M. 87401		8. FARM OR LEASE NAME Shawnee	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 990' FWH 2310' FWH Sec 14 T30N R18W		9. WELL NO. 7	
At top prod. interval reported below		10. FIELD AND POOL, OR WILDCAT Undrilled	
At total depth		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec 14 T30N R18W	
14. PERMIT NO.		DATE ISSUED	
12. COUNTY OR PARISH San Juan		13. STATE New Mexico	
15. DATE SPUNDED 3-5-67	16. DATE T.D. REACHED 5-12-67	17. DATE COMPL. (Ready to prod.) 5-12-67	18. ELEVATIONS (DF, R&B, RT, GR, ETC.)* 4446
19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 380	21. PLUG, BACK T.D., MD & TVD 380	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY 55'-380
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 366-380 Gallup			25. WAS DIRECTIONAL SURVEY MADE No
26. TYPE ELECTRIC AND OTHER LOGS RUN No			27. WAS WELL CORED No
28. CASING RECORD (Report all strings set in well)			
CASING SIZE 5 1/2 2 7/8	WEIGHT, LB./FT. 14.0 5.9	DEPTH SET (MD) 55 380	HOLE SIZE 5 1/2 4 3/4"
CEMENTING RECORD Driver 10 SY		AMOUNT PULLED —	
29. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
		None	
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
	None		
31. PERFORATION RECORD (Interval, size and number) 366-380			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. None			
33. PRODUCTION			
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)		WELL STATUS (Producing or shut-in)
DATE OF TEST 5-17-67	HOURS TESTED 3	CHOKE SIZE 3/4	PROD'N. FOR TEST PERIOD —
FLOW, TUBING PRESS. 35	CASING PRESSURE 116 SI	CALCULATED 24-HOUR RATE —	OIL—BBL. —
GAS—MCF. 607 CASH		WATER—BBL. —	
OIL GRAVITY-API (CORR.) —			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY Tom Tarkenton			
35. LIST OF ATTACHMENTS Top T-1 367			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED T. A. Dwyer		TITLE Casing	
DATE 5-17-67			

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