

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-122

Revised 12-1-55

MULTI-POINT BACK PRESSURE TEST FOR GAS WELLS

Pool Undesignated Formation Pictured Cliffs County San JuanInitial X Annual _____ Special _____ Date of Test 4/11/56Company Delhi-Taylor Oil Corporation Lease Florance Well No. 2640Unit M Sec. 25 Twp. 29N Rge. 9W Purchaser Southern Union Gathering Co.Casing 9 5/8" Wt. 36 I.D. 8.921 Set at 2512 Perf. 2374 To 2466Liner 7" Wt. 20 I.D. 6.456 Set at 2475-4757 Perf. 4030 To 4064 and fromTubing 2 1/2" Wt. 6.50 I.D. 2.441 Set at 0-2523 XXX. 4626 To 4700Tubing 2" Wt. 4.70 I.D. 1.995 Set at 2523-4636 Perf. 4626 To 4636Gas Pay: From 2374 To 2466 L 2420 xG 0.680 -GL 1648 Bar.Press. 1260Producing Thru: Casing X Tubing _____ Type Well G. G. DualDate of Completion: 3/24/56 Packer Yes Single-Bradenhead-G. G. or G.O. Dual

Reservoir Temp. _____

OBSERVED DATA

Tested Through (Proven) (Choke) (Notes) Type Taps _____

No.	Flow Data				Tubing Data		Casing Data		Duration of Flow Hr.
	(Prover) (Line) Size	(Choke) (Orifice) Size	Press. psig	Diff. h _w	Temp. °F.	Press. psig	Temp. °F.	Press. psig	Temp. °F.
SI								<u>880</u>	
1.		<u>3/4</u>	<u>127</u>		<u>50</u>			<u>127</u>	<u>3 Hours</u>
2.									
3.									
4.									
5.									

FLOW CALCULATIONS

No.	Coefficient (24-Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCFPD @ 15.025 psia
1.	<u>14.1685</u>		<u>139</u>	<u>1.0098</u>	<u>0.9393</u>	<u>1.0147</u>	<u>1,894.40</u>
2.							
3.							
4.							
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio _____ cf/bbl.

Gravity of Liquid Hydrocarbons _____ deg.

F_c _____ (1-e^{-s})

Specific Gravity Separator Gas _____

Specific Gravity Flowing Fluid _____

P_c 892 P_c² 795.664

No.	P _w P _t (psia)	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-s})	P _w ²	P _c ² -P _w ²	Cal. P _w	P _w P _c
1.						<u>19.321</u>	<u>776.343</u>		
2.									
3.									
4.									
5.									

Absolute Potential: 1,934 MCFPD; n 0.85COMPANY Delhi-Taylor Oil CorporationADDRESS P. O. Box 1175 Farmington, New MexicoAGENT and TITLE J. E. Kroger, Dist. Engineer

WITNESSED _____

COMPANY _____

REMARKS

This well is a Pictured Cliffs - Mesaverde dual completion. See letter of application dated April 2, 1956.

OIL CONSERVATION COMMISSION		
AZTEC DIST. OFFICE		
No. Order Book	3	
DATE		
PLACE		
NAME	/	
ADDRESS	/	
CITY	/	
STATE	/	
ZIP	/	
DATE	/	
FILE	/	
		✓