

NEW MEXICO OIL CONSERVATION COMMISSION
ML OINT BACK PRESSURE TEST FOR G LL

Form C-122
 Revised 12-1-55

Pool: Indian Basin		Formation: Cisco Canyon		County: Eddy	
Initial: X	Annual:	Special:	Date of Test: 10-28-65		
Company: Standard Oil Co. of Texas Division of Chevron Oil Company		Lease: Bogle Flats Unit		Well No.: 6	
Unit: G	Sec.: 8	Twp.: 22S	Range: 23E	Purchaser: None	
Casing: 7	Wt.: 26	I.D.: 6.276	Set at: 7550	Perf.: 7064	To: 7225
Tubing: 2.375	Wt.: 4.7	I.D.: 1.995	Set at: 7037	Perf.: Open Ended	To:
Gas Pay: 7064	From: 7064	To: 7225	L: 7144	G: 7144	GL: 7144
				Bar. Press.: 13.2	
Producing Through: Casing		Tubing: X		Type Well - Single - Braden head - G.G. or G.O. Dual: Single	
Date of Completion: 10-23-65		Packer: Otis WA @ 7025		Reservoir Temp.: 132°F	

OBSERVED DATA

NOV 22 1965

Tested Through: Prover ☐ Choke ☐ Meter ☒								Type of Taps: Flange		
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW HR.
No.	Press. (Line) Size	Press. (Orifice) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	
SI						2349	70	Packer		
1.	4.026	1.75	474	41	60	2275	70			1
2.	4.026	1.75	571	55	70	2244	70			1
3.	4.026	2.00	844	37	69	2166	72			1
4.	4.026	2.00	982	42	69	2125	74			1
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.	19.27	141.334		1.000	.9814	1.04	2,790
2.	19.27	179.251		.9905	.9814	1.052	3,532
3.	25.58	178.091		.9915	.9814	1.079	4,783
4.	25.58	204.447		.9915	.9814	1.092	5,557
5.							

PRESSURE CALCULATIONS

Gas Liquid Hydrocarbon Ratio 81,869 cf/bbl. Specific Gravity Separator Gas .623
 Gravity of Liquid Hydrocarbons 58 deg. Specific Gravity Flowing Fluid _____
 $F_c = (1-e^{-S})$ _____ $P_c = 2906.2$ $P_c^2 = 8,446$

Pressure Recorded with an Amerada RPG-3 Instrument Extrapolated to "L"

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	$\frac{P_w}{P_c}$
1.	2881.2					8,301	145		99.1
2.	2861.2					8,186	260		98.5
3.	2850.2					8,124	322		98.1
4.	2839.2					8,061	385		97.7
5.									

ABSOLUTE POTENTIAL: 77,000 MCFPD; n .851

COMPANY West Texas Engineering Service, Inc. WITNESSED _____

ADDRESS P. O. Box 4456 - Midland, Texas COMPANY _____

AGENT AND TITLE R. W. Harrington
Field Petroleum Engineer