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NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

O. C. D.

ARTESIA, OFFICE

Form C-122
Revised 9-1-65

Type Test 4 POINT ☒ Initial ☐ Annual ☐ Special						Test Date 3-6-87		1650 FSL	
Company MCKAY OIL Corp				Connection TO AIR				660 FSL	
Pool W PECOS SLOPE				Formation ABO				Unit	
Completion Date 2-28-87		Total Depth 3400		Plug Back To 3312		Elevation 4154		Farm or Lease Name LL & E FFD	
Casing Size 4.500		Wt. 9.5		Set At 3380		Perforations: From 2833 To 2957		Well No. 1	
Tub. Size 2.375		Wt. 4.7		Set At 2950		Perforations: From OPEN To ENDED		Unit Sec. Twp. Rge. 12 6S 22E	
Type Well - Single - Brdenhead - G.O. or C.O. Multiple SINGLE						Packer Set At NONE		County CHAVES	
Producing Thru TUBING		Reservoir Temp. °F 99 • 2895		Mean Annual Temp. °F 60°		Baro. Press. - P _g 13.2		State NEW MEXICO	
L 2895		H 2895		G _g 0.623		% CO ₂ 0.00		% N ₂ 5.011	
						% H ₂ S 0		Prover 2.000	
								Motor Run 0	
								Taps FLG	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
51							977	65	977	65	144 HRS
1.	2.000	0.09375		887	0.00	65	927	65	927	65	60 MIN
2.	2.000	0.1250		875	0.00	68	875	68	880	67	60 MIN
3.	2.000	0.1875		750	0.00	70	750	70	750	68	60 MIN
4.	2.000	0.21875		595	0.00	74	595	74	655	69	60 MIN
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super. Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1	0.1410	0.00	940.2	.9952	1.267	1.075	130
2	0.2648	0.00	888.2	.9924	1.267	1.070	316
3	0.6082	0.00	763.2	.9905	1.267	1.060	517
4	0.8393	0.00	608.2	.9868	1.267	1.047	668
5							

NO.	R ₁	Temp. °R	T ₁	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1	1.42	525	1.50	.866	0	
2	1.34	528	1.50	.873	0	
3	1.15	530	1.51	.890		
4	.92	534	1.52	.913		
5						

NO.	P ₁ ²	P _w ²	P ₂ ²	P ₁ ² - P _w ²	(1) $\frac{P_c^2}{P_1^2 - P_w^2} = 2.4936$	(2) $\left[\frac{P_c^2}{P_1^2 - P_w^2} \right]^n = 2.2123$
1	940.2	940.2	884	96		
2	888.2	893.2	798	182		
3	763.2	753.2	587	393		
4	608.2	658.2	446	534		
5						

Absolute Open Flow 1305 $ADP = 11.025$ Angle of Slope $\theta = 1.11$ $Q = 0.260$

Remarks: _____

Approved By Commission	Conducted By	Engineered By	Checked By
	RENNETT & CATHEY	RICHARD TOWNLEY	

Post ID-2
5-8-87
Comp & RK