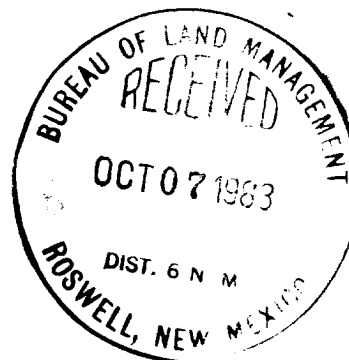


NM OIL CONS. COMMISSION
Drawer DD
Artesia, NM 88210



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

Form C-122
Revised 9-1-65

Type Test											
☒ Initial ☐ Annual ☐ Special											
Company					Connection						
JAKE L. HAMON					NOPL						
Pool					Formation						
Wildcat Strawn					STRAWN						
Completion Date			Total Depth		Plug Back TD		Elevation		Farm or Lease Name		
9/15/83			10,451'		9947		3296KB		Federal 33		
Casing Size		Wt.	d	Set At	Perforations:		Well No.				
5 1/2"		17.20	4.778	10,450'	From 9326 To 9356		1				
Tubg. Size		Wt.	d	Set At	Perforations:		Unit Sec. Twp. Rye.				
2 3/8"		4.7	1.995	9291	From OPEN ENDED		I 33 20S 26E				
Type Well - Single - Brdenhead - G.G. or G.O. Multiple					Packer Set At						
SINGLE					9291'						
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _g		State			
TUBING		167° 9341'		60°		13.2		New Mexico			
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps			
9341	9341	.6313	3.493	1.780			3"	Flange			
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	
SI							2478		PKR	CHOKE	48 Hrs.
1.	3	x	.625	.564	4.6/10.6	83°	2068			4.5/64	30 Min.
2.	3	x	.625	.564	5.8/16.8	83	1995			5/64	1 Hr.
3.	3	x	.625	.580	7.5/28.1	83	1765			5.5/64	1 Hr.
4.		x	.625	.580	7.9/31.2	80	1452			6/64	1 Hr.
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	1.850	78.22	577.2	.9786	1.259	1.043	186				
2	1.850	98.47	577.2	.9786	1.259	1.043	234				
3	1.850	129.11	593.2	.9786	1.259	1.044	307				
4	1.850	139.16	601.2	.9813	1.259	1.046	333				
5											
NO.	P ₁	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Dry _____ Mcf/bbl.			A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
1	.85	543	1.52	.920	Specific Gravity Separator Gas .631			XXXXXXXXXX			
2	.85	543	1.52	.920	Specific Gravity Flowing Fluid XXXXX						
3	.87	543	1.52	.918	Critical Pressure 679			P.S.I.A. _____ P.S.I.A. _____			
4	.89	540	1.51	.914	Critical Temperature 357			R _____ R _____			
5											
$P_c^* 2756.5$ $P_c^2 7598.3$											
NO.	P ₁ ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.436$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.436$						
1		2085.7	4350.1	3248.2	ACCEPTED FOR RECORD OCT 14 1983						
2		2012.5	4050.2	3548.1							
3		1786.2	3190.5	4407.8							
4		1518.8	2306.8	5291.5							
5					AOF = $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = .478$						
Absolute Open Flow 478 Mcfd @ 15.025					Angle of Slope 45°			Slope inch 00			
Remarks: Calculated from known bottom hole pressures.											
Approved by Commission:				Conducted By: W.S.				Calculated By: R.R.			
								Checked By: R.R.			