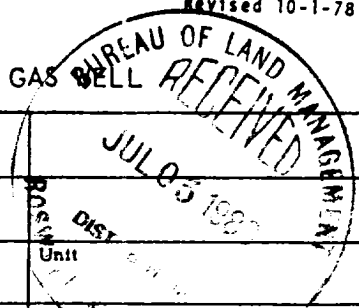


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS



Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 6/28/83	
Company McClellan Oil Corp ✓		Connection Air	
Pool Wildcat - 6/1		Formation Abo	
Completion Date 6/28/83		Total Depth 4588'	Plug Back TD 4540'
Elevation 3731' G.R.		Farm or Lease Name Suzanne	
Cas. Size 4 1/2	Wt. 10.5	Set At TD	Perforations From 4181 To 4346
Well No. 1			
Tbg. Size 2 3/8	Wt. 4.7	Set At 4121	Perforations From Open To ended
Unit A	Sec. 23	Twp. 10-S	Rge. 25-E
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single		Packer Set At None	
County Chaves			
Producing Thru Tubing	Reservoir Temp. °F 99 @ 4200	Mean Annual Temp. °F 60	Baro. Press. - P _a 13.2
State New Mexico			
L	H	G _g .682	% CO ₂ % N ₂ % H ₂ S
Prover 2"		Meter Run	Taps

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.	
SI							941		960	
1.	2	X	1/8	548		88	910		930	1 hr
2.	2	X	1/8	801		89	895		870	"
3.	2	X	3/16	692		85	725		750	"
4.	2	X	1/4	505		85	540		560	"
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 _{pv}	Rate of Flow Q, Mcfd
1	.2648		537.2	.9741	1.211	1.0489	164
2	.2648		823.2	.9732	1.211	1.0765	258
3	.6082		705.2	.9768	1.211	1.067	541
4	1.087		518.2	.9768	1.211	1.048	698
5							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2					Specific Gravity Separator Gas _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ 383 _____ R _____ R

P _c 997.2	P _c ² 994	
NO.	P _i ²	P _w ²
1	955.2	912
2	892.2	796
3	730.2	563
4	561.2	315
5		

(1) $\frac{P_c^2}{P_i^2 - P_w^2} = 1.464$

AOF = Q $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 950$

(2) $\left[\frac{P_c^2}{P_i^2 - P_w^2} \right]^n = 1.362$

Post ID-2
7-15-83
Gang BK

Absolute Open Flow 950	Mcf @ 13.025	Angle of Slope ° 51	Slope, n .8098
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Remarks: Bottom hole pressures recorded with Amerada type gauge.

Approved By Division	Conducted By: KELTIC SERVICES	Calculated By: Kelly	Checked By:
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McCLELLAN OIL CORP

Suzanne #1

$P^2 - P^2 (000)$

K·Σ LOGARITHMIC 3 X 3 CYCLES
KEUPPEL & ESSER CO. MADE IN U.S.A.

$\theta = 51^\circ$
 $m = .8098$

$P^2 = 694$

COEF 950

Q
MSCFPD

