

- NMOCC - Santa Fe
- Midland
- Hobbs File

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		Test Date 2-13-78		BWK ABC		JFE DVS		CFB SEH		CFA SLW					
Company GETTY OIL COMPANY				Connection NOT AVAILABLE				LRH JVA				JUM		CRB	
Pool GAMMA RIDGE MORROW				Formation MORROW				BFH				NJH		SLW	
Completion Date 2-6-78		Total Depth 13,381		Plug Back TD 13,360		Elevation 3608.2 GL		GETTY "2" STATE							
Csg. Size 5"		Wt. 18.0		d 4.276		Set At 13,379		Perforations: From 12,759' To 13,322'		Well No. 1					
Tbg. Size 2-3/8"		Wt. 4.7		d 1.995		Set At 12,638		Perforations: From To		Unit F		Sec. 2		Twp. Rye. 22-S 35-E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE						Packer Set At 12,638'		County LEA							
Producing Thru TUBING		Reservoir Temp. °F 183 @ 13,322		Mean Annual Temp. °F 60		Baco. Press. - P _g 13.2		State NEW MEXICO							
L 12,638'		H 12,638'		G _g 0.609		% CO ₂ 0.32		% N ₂ 0.26		% H ₂ S -		Prover -		Meter Run 4"	
												Taps 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	4" X 1.5"						6467	58	PACKER				SI 78 Hrs.		
1.	4" X 1.5"			630	10.2	95	4350	65					4.0"		
2.	4" X 1.5"			640	19.0	94	2800	64					4.5"		
3.	4" X 1.5"			600	28.0	92	1760	61					3.5"		
4.	4" X 1.5"			630	31.0	92	1000	60					4.0"		
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	10.84	80.20	643.2	.9952	1.281	1.046	1159								
2	10.84	111.40	653.2	.9963	1.281	1.049	1617								
3	10.84	131.03	613.2	.9990	1.281	1.046	1901								
4	10.84	141.21	643.2	1.0000	1.281	1.049	2057								
5.															
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.										
1.	6.49	555	1.45	0.877	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.										
2.	4.24	554	1.45	0.752	Specific Gravity Separator Gas 0.609 XXXXXXXXXX										
3.	2.67	552	1.44	0.755	Specific Gravity Flowing Fluid XXXXX										
4.	1.59	552	1.44	0.830	Critical Pressure 671 P.S.I.A. P.S.I.A.										
5.					Critical Temperature 362 R R										
P _c 6480.2 P _c ² 41,993															
NO	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.233 \text{ BEFORE } \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n 1.215$										
1		4358.4	18995.7	22997.3	OIL CONSERVATION COMMISSION Santa Fe, New Mexico Case No. 1965-6557 Exhibit No. 3 Submitted by GETTY										
2		2816	7929.9	34063.1											
3		1790.5	3205.9	38787.1											
4		1063.7	1131.5	40861.5											
5															
Absolute Open Flow 1965 Mcfd @ 15,025' Angle of Slope 0.928					Hearing Date 5/29/79										
Remarks:															
Approved By Commission: Conducted By: Calculated By: Checked By: D. R. CROCKETT DATE R. CROCKETT															