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See Rule 401 & Rule 1122

State of New Mexico
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OIL CONSERVATION DIVISION

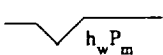
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

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Form C-122
Revised 4-1-91
JUL 14 1997
c/sf

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS

Operator Mewbourne Oil Company				Lease or Unit Name Scanlon Draw DIST State			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7/8/97		Well No. 1	
Completion Date 4/22/97		Total Depth 11,180		Plug Back TD 11,118		Elevation 3524 GL	
Unit Ltr. - Sec. - TWP - Rge. 0 34 18s 28e							
Csg. Size 5 1/2"	Wt. 17#	d 4.892	Set At 11,179	Perforations: From: 10,986 To: 10,993		County Eddy	
Tbg. Size 2 3/8"	Wt. 4.7#	d 1.995	Set At 10,944	Perforations: From: OPEN To: ENDED		Pool N. Turkey Track Morrow	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At 10,944		Formation L. Morrow	
Producing Thru Tbg.		Reservoir Temp. °F 183.4°@10944		Mean Annual Temp. °F 60°		Baro. Press - P _a 13.2	
Connection Conoco							
L 10.944	H 10,944	Gg 0.643	% CO ₂ 0.70	% N ₂ 0.28	% H ₂ S	Prover	Meter Run 3.068
						Taps FLG	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	Orifice X 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						1193		PACKER		24 Hrs
1.	3.068 x	1.750	145	2.0	101	1104		PACKER		1 Hr
2.	3.068 x	1.750	160	8.0	95	979		PACKER		1 Hr
3.	3.068 x	1.750	175	13.5	94	870		PACKER		1 Hr
4.	3.068 x	1.750	185	20.0	91	718		PACKER		1 Hr
5.										

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg.	Super Compress. Factor, F _{pv} .	Rate of Flow Q, Mcfd
1.	15.61	17.79	158.2	.9628	1.247	1.012	337
2.	15.61	37.22	173.2	.9680	1.247	1.014	711
3.	15.61	50.41	188.2	.9688	1.247	1.015	965
4.	15.61	62.96	198.2	.9715	1.247	1.016	1210
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Dry Gas	Mcf/bbl.
1.	.23	561	1.50	.976	A.P. I. Gravity of Liquid Hydrocarbons	Dry	Deg.
2.	.25	555	1.49	.973	Specific Gravity Separator Gas	.643	XXXXXXXXXX
3.	.28	554	1.48	.970	Specific Gravity Flowing Fluid	XXXXXX	
4.	.29	551	1.48	.968	Critical Pressure	670	P.S.I.A.
5.					Critical Temperature	372	R

P _c	1206.2	P _c ²	1454.9				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.676$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.576$	
1.		1118.9	1251.9	203.0			
2.		1000.9	1000.7	453.2			
3.		901.3	812.3	642.6			
4.		765.9	586.6	868.3			
5.							

Absolute Open Flow	1,907	Mcf/d @ 15.025	Angle of Slope Θ	48.6	Slope, n	.881
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Remarks: NO FLUID PRODUCED

Approved By Division	Conducted By: Jarrel Services, Inc.	Calculated By: Bob Murray	Checked By: Bob Murray
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