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appropriate district office
See Rule 401 & Rule 1122

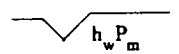
State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-91

OIL CONSERVATION DIVISION

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MERIDIAN OIL COMPANY						Lease or Unit Name SOUTH CORBIN FED.					
Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 5-10-93		Well No. 3			
Completion Date 4-28-93		Total Depth 13,615		Plug Back TD		Elevation		Unit Ltr. - Sec. - TWP - Rge. P 20 18S 33E			
Csg. Size 3.5	Wt. 10.3	d 2.992	Set At 13615	Perforations: From: 13484 To: 13500		Country LEA					
Tbg. Size 3.5	Wt. 9.3	d 2.992	Set At 10655	Perforations: From: To:		Pool					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At 10,655		Formation MORROW					
Producing Thru Tbg.		Reservoir Temp. °F 208.9		Mean Annual Temp. °F 60		Baro. Press - P _a 13.2		Connection Pipe Line			
L 13492	H 13492	Gg .648	% CO ₂ .83	% N ₂ .52	% H ₂ S	Prover		Meter Run 4,026		Taps Flng.	
FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	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						2690		Pkr.			
1.	4.026 X 1.75		526	2.1	84.2	2620		"		60 min	
2.	4.026 X 1.75		532	5.9	78.4	2535		"		60 min	
3.	4.026 X 1.75		541.4	18	64.2	2400		"		60 min	
4.	4.026 X 1.75		551.6	32	57.4	2230		"		60 min	
5.											
RATE OF FLOW CALCULATIONS											
NO.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1.	14.93		33.65	539.2	.9777	1.242	1.048	639			
2.	14.93		56.72	545.2	.9831	1.242	1.049	1085			
3.	14.93		99.91	554.6	.9962	1.242	1.057	1951			
4.	14.93		134.44	564.8	1.003	1.242	1.058	2645			
5.											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 37,619 Mcf/bbl.						
1.	.80	544.20	1.45	.910	A.P. I. Gravity of Liquid Hydrocarbons 57 Deg.						
2.	.81	538.40	1.44	.909	Specific Gravity Separator Gas .648 XXXXXXXXXX						
3.	.83	524.20	1.40	.895	Specific Gravity Flowing Fluid XXXXX .725 G Mix						
4.	.84	517.40	1.38	.894	Critical Pressure 670 P.S.I.A. 668* P.S.I.A.						
5.					Critical Temperature 375 R 398* R						
P _c 2703.2 P _c ² 7307.2											
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.262$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.960$						
1.	6928.5	2632.6	6930.6	376.7	AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 7,829$						
2.	6493.3	2549.4	6499.4	807.9							
3.	5823.5	2417.2	5842.8	1464.4							
4.	5031.9	2251.0	5067.1	2240.2							
5.											
Absolute Open Flow 7,829 Mcfd @ 15.025						Angle of Slope θ 47°		Slope, n .91781			
Remarks: 5.81 BBLs of 57 Gravity Oil & 1.17 BBLs H ₂ O During Test.											
Approved By Division JERRY SEXTON DISTRICT SUPERVISOR				Conducted By: PRO WELL TESTERS				Calculated By: KS		Checked By: KS	