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State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-122
Revised 4-1-1991

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

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

RECEIVED
OCT 1998

C/SF

Operator OXY USA INC				Lease or Unit Name 30-019-30400			
Test Type ☒ Initial ☐ Annual ☐ Special				Test Date 13-NOV-1998		Well No. 1	
Completion Date		Total Depth		Plug Back TD		Elevation	
Csg. Size		Wt.		d		Set At	
Tbg. Size		Wt.		d		Set At	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple Single				Packer Set At		Formation Marrow	
Producing Thru		Reservoir Temp.F		Mean Annual Temp.F		Baro. Pressure	
152		60		14.40		Connection	
L		H		Gg		X CO ₂	
8755		8755		.661		.88	
				X N ₂		X H ₂ S	
				.51		Prover	
						Meter Run	
						Taps 4.068 Flange	

FLOW DATA					TUBING DATA		CASING DATA		SIP/FLOW DURATION (HRS.)
NO.	(PROVER) LINE SIZE x ORIFICE SIZE	PRESS. PSIG	DIFF. h _w	TEMP. F	PRESS. PSIG	TEMP. F	PRESS. PSIG	TEMP. F	
SHUT-IN PRESSURE					2466	152	1840	60	68
1.	4.07 x 1.50	680.00	3.00	60	1714	151	1090	60	1
2.	4.04 x 1.50	680.00	11.00	60	1429	141	840	60	1
3.	4.07 x 1.50	500.00	12.00	60	1014	126	500	60	1
4.	4.07 x 1.50	400.00	16.00	60	734	115	400	60	1

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.	11.120	45.642	694.4	1.0000	1.2300	1.0725	669.5
2.	11.120	87.398	694.4	1.0000	1.2300	1.0725	1282.0
3.	11.120	78.567	514.4	1.0000	1.2300	1.0522	1130.7
4.	11.120	81.427	414.4	1.0000	1.2300	1.0414	1159.8

NO.	P _r	TEMP.	T _r	Z
1.	1.033	520	1.393	.8694
2.	1.033	520	1.393	.8694
3.	.765	520	1.393	.9032
4.	.617	520	1.393	.9221

Gas-Liquid Hydrocarbon Ratio		Mcf/bbl
API Gravity of Liquid Hydrocarbons		Deg.
Specific Gravity Separator Gas	.661	
Specific Gravity Flowing Fluid	.661	
Critical Pressure	672 PSIA	672 PSIA
Critical Temperature	373 R	373 R

P _C =	2480.4	P _C ² =	6152.4
NO.	P _w	P _w ²	P _C ² - P _w ²
1.	1728.4	2987	3165.017
2.	1443.4	2083	4068.980
3.	1028.4	1057	5094.777
4.	748.4	560	5592.281

$$(1) \frac{P_C^2}{P_C^2 - P_W^2} = 1.100 \quad (2) \left[\frac{P_C^2}{P_C^2 - P_W^2} \right]^n = 1.097$$

$$AOF = Q \left[\frac{P_C^2}{P_C^2 - P_W^2} \right]^n = 1271$$

Absolute Open Flow	1271	Mcf @ 15.025	Angle of Slope	- 46.0	Slope, n	.965
Remarks						
Approved By Division:		Conducted By: PENA/ABNEY		Calculated By: BPT System/SCHLUMBERGER		Checked By: Rockhammer