

30-015-30608 1 of 4 JSE

Submit in duplicate to appropriate district office
See Rule 401 & Rule 1122

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

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OCD APR 24 1999

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator OXY USA INC					Lease or Unit Name WALLACE State				
Test Type ☒ Initial ☐ Annual ☐ Special					Test Date 24-JUN-1999		Well No. 3		
Completion Date		Total Depth		Plug Back TD		Elevation		Unit Ltr - Sec - TWP - Rge. h 9-17-27	
Cag. Size 5.500	Wt. d	Set At	Perforation: From 8824 To 8895			County EDDY			
Tbg. Size 2.875	Wt. 6.500	d 2.441	Set At 8782	Perforation: From To			Pool N/A Crow Flats Morrow		
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE						Packer Set At 8782		Formation MORROW	
Producing Thru TUBING		Reservoir Temp.F 157		Mean Annual Temp.F 60		Baro. Pressure 13.20		Connection	
L 8860	H 8860	Cg .645	% CO ₂ .51	% N ₂ .46	% H ₂ S	Prover		Meter Run 3.826	Taps FLANGE

FLOW DATA					TUBING DATA		CASING DATA **		SIP/FLOW DURATION (HRS.)
NO.	(PROVER) LINE SIZE x ORIFICE SIZE	PRESS. PSIG	DIFF. h _v	TEMP. F	PRESS. PSIG	TEMP. F	PRESS. PSIG	TEMP. F	
SHUT-IN PRESSURE					1975	80	2426	157	4
1.					1050	80	2389	156	1
2.					1300	80	2395	157	1
3.					1650	80	2406	157	1
4.					1900	80	2418	157	1

RATE OF FLOW CALCULATIONS							
NO.	COEFFICIENT (24 HOUR)	✓ h _v 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.							17529.9
2.							15420.2
3.							11198.3
4.							5385.3

NO.	P _r	TEMP.	T _r	Z
1.				
2.				
3.				
4.				

Gas-Liquid Hydrocarbon Ratio		Mcf/bbl
API Gravity of Liquid Hydrocarbons		Deg.
Specific Gravity Separator Gas	.645	XXXX
Specific Gravity Flowing Fluid	XXX	.645
Critical Pressure	671 PSIA	671 PSIA
Critical Temperature	368 R	368 R

NO.	P _w	P _w ²	P _C ² - P _w ²
1.	2402.2	5770	179.132
2.	2408.2	5799	150.270
3.	2419.2	5852	97.168
4.	2431.2	5910	38.963

(1) $\frac{P_C^2}{P_C^2 - P_w^2} = \frac{39.59}{179.132 - 150.270} = 17.35$

(2) $\left[\frac{P_C^2}{P_C^2 - P_w^2} \right]^n = 17.35$

AOF = Q $\left[\frac{P_C^2}{P_C^2 - P_w^2} \right]^n = 267526$

Absolute Open Flow		267800 Mcfd @ 15.025	Angle of Slope -	522	Slope, n	.7757
Remarks **MEASURED BOTTOMHOLE PRESSURE NO LIQUID PRODUCTION REPORTED						
COMPLETION HAS DUAL FLOWLINES AND DUAL METER RUNS						
THIS PAGE REPORTS THE TOTAL FLOWRATE FROM BOTH FLOWLINES						
Approved By Division:		Conducted By: CHRIS BROWN		Calculated By: BPT System/SCHLUMBERGER		Checked By: DJS