

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-122
Revised October, 1999

Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: OXY USA						Lease or Unit Name: VIPER FED					
Type Test: ☒ Initial ☐ Annual ☐ Special						Test Date: 3-17-00					
Completion Date: 12-20-99		Total Depth: 4,000		Plug back TD: 1,995		Elevation: 8876		Unit Ltr. - Sec. - TWP - Rge: E, 3-17-27			
Log Size: 41.2		Wt: 11.6		Set At: 4,000		Perforations: From: 8966 To: 8982		County: EDDY			
Log Size: 23.8		Wt: 4.7		Set At: 8890		Perforations: From: To:		Pool: CROW FLATS MORROW			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: single						Packer Set At: 8876		Formation: MORROW			
Producing thru: 8890		Reservoir Temp. °F: 162		Mean Annual Temp. °F: 60		Baro. Press - P _a : 13.2		Connection: SALES			
L: 8890		H: 8890		G _g : 0.633		G _o : 0.555		G _n : 0.385		Prover: n.a.	
								Meter Run: 3.026		Taps: FLG	

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	
1.	3.068 x 1.000		375	12.0	62	100		PKR		24 HRS.
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 HOUR)		Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcfd
1.							
2.	Gas Volumes Taken		From Total	Flow	Meter		320
3.							
4.							
5.							

No.	P _c	Temp. °R	T	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					160.00	
2.	Total Flow				A.P. I. Gravity of Liquid Hydrocarbons 60	Deg.
3.					Specific Gravity Separator Gas 6330	XXXXXXXXXX
4.					Specific Gravity Flowing Fluid XXXXX	
5.					Critical Pressure 673	P.S.I.A. P.S.I.A.
					Critical Temperature 364	R. R.

No.	P _c	P _w	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	12.8	127	16.1	1.025	1.025
2.					
3.					
4.					
5.					

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 328$

Absolute Open Flow: 328 Mcfd @ 15.025

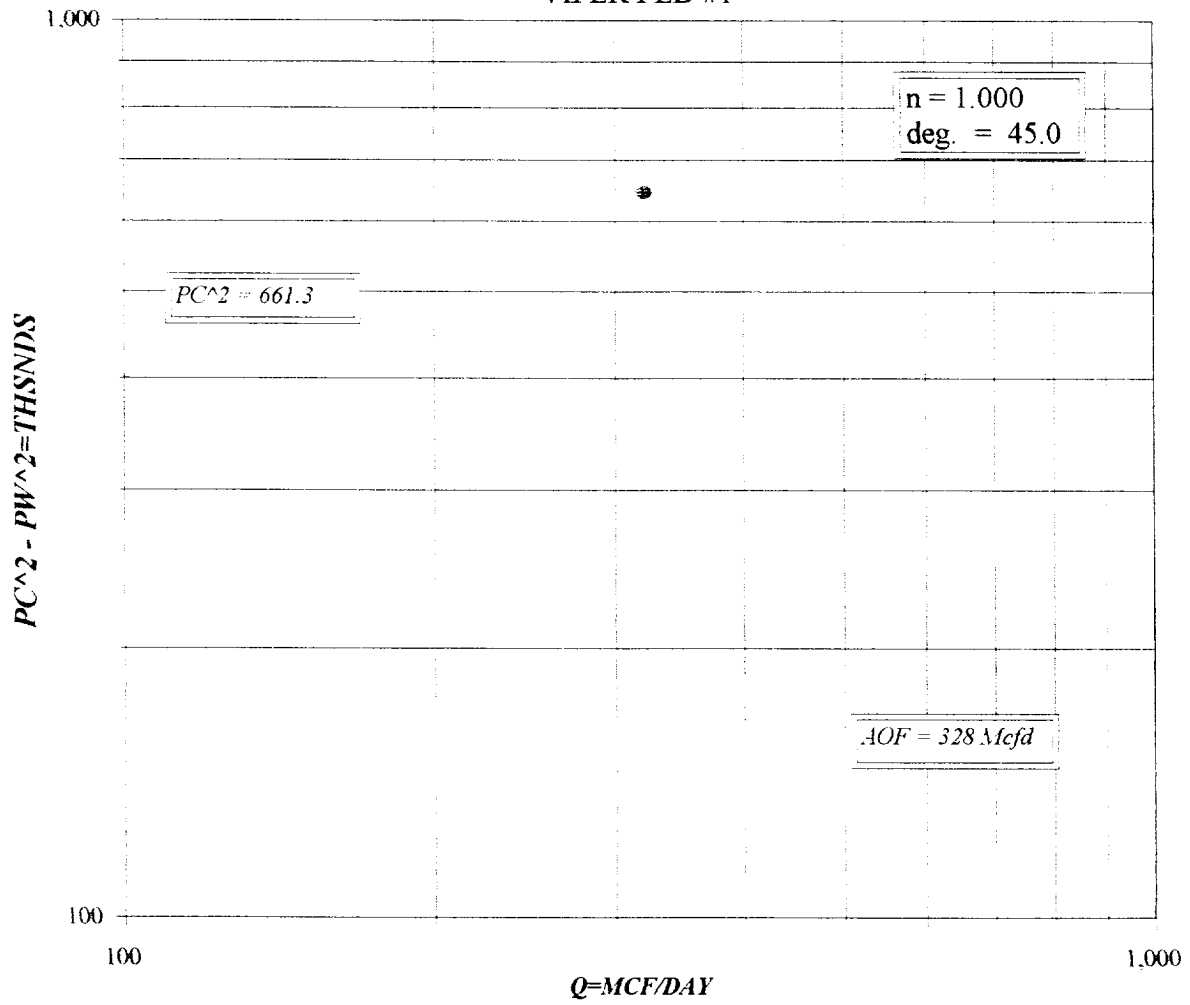
Angle of Slope θ: 45

Slope, n: 1.000

Remarks: * WELL MADE 2 BBLs OF 60 API GRAVITY CONDENSATE DURING TEST. * WELL ON COMPRESSOR.

Approved By Division:	Conducted By: PRO WELL TESTING	Calculated By: MB.	Checked By: BML
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OXY USA
VIPER FED #1



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Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator: ONY USA					Lease or Unit Name VIPER FED				
Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 3/7/00		Well No. 1		
Completion Date 12/20/99		Total Depth		Plug back TD		Elevation		Unit Ltr. - Sec. - TWP - Rge.	
Csg. Size 10.2		Wt. 11.6		d 4.000		Set At		Perforations: From: 8966 To: 8982	
Tub. Size 2.38		Wt. 4.7		d 1.995		Set At 8890		Perforations: From: To:	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single					Packer Set At 8876		Formation		
Producing Thru Tub.		Reservoir Temp. °F 162		Mean Annual Temp. °F 60		Baro. Press. - P _a 13.2		Connection SALES	
8890		H 8890		Gg 0.633		%CO ₂ 0.555		%N ₂ 0.385	
						%H ₂ S n/a		Prover n/a	
								Meter Run 3.026	
								Tape FLG	

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						800	n/a	PKR		
1.	3.068 x 1.000		375	12.0	62	100				24 HRS.
2.										
3.										
4.										
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.							
2.	Gas Volumes Taken	From Total	Flow	Meter			320
3.							
4.							
5.							

No.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf bbl.
1.					160.00	
2.	Total Flow				A. P. I. Gravity of Liquid Hydrocarbons 60	Deg.
3.					Specific Gravity Separator Gas 6330	XXXXXXXXXX
4.					Specific Gravity Flowing Fluid XXXXX	
5.					Critical Pressure 673	P.S.I.A. P.S.I.A.
					Critical Temperature 364	R. R.

No.	P _r	P _c	P _w	P _v	P _c ² - P _w ²	(1) $\frac{P_r^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1.	12.8	127	16.1	645.2		1.025	1.025
2.							
3.							
4.							
5.							

AOE = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 328$

Absolute Open Flow 328 Mcfd @ 15.025		Angle of Slope θ: 45		Slope, n: 1.000	
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Remarks: * WELL MADE 2 BBLs OF 60 API GRAVITY CONDENSATE DURING TEST. * WELL ON COMPRESSOR.

Approved By Division	Conducted By: PRC WELL TESTING	Calculated By: MB.	Checked By: BML
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OXY USA
VIPER FED #1

