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appropriate district office.
See Rule 401 & Rule 1122

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
2040 South Pacheco
Santa Fe, NM 87505

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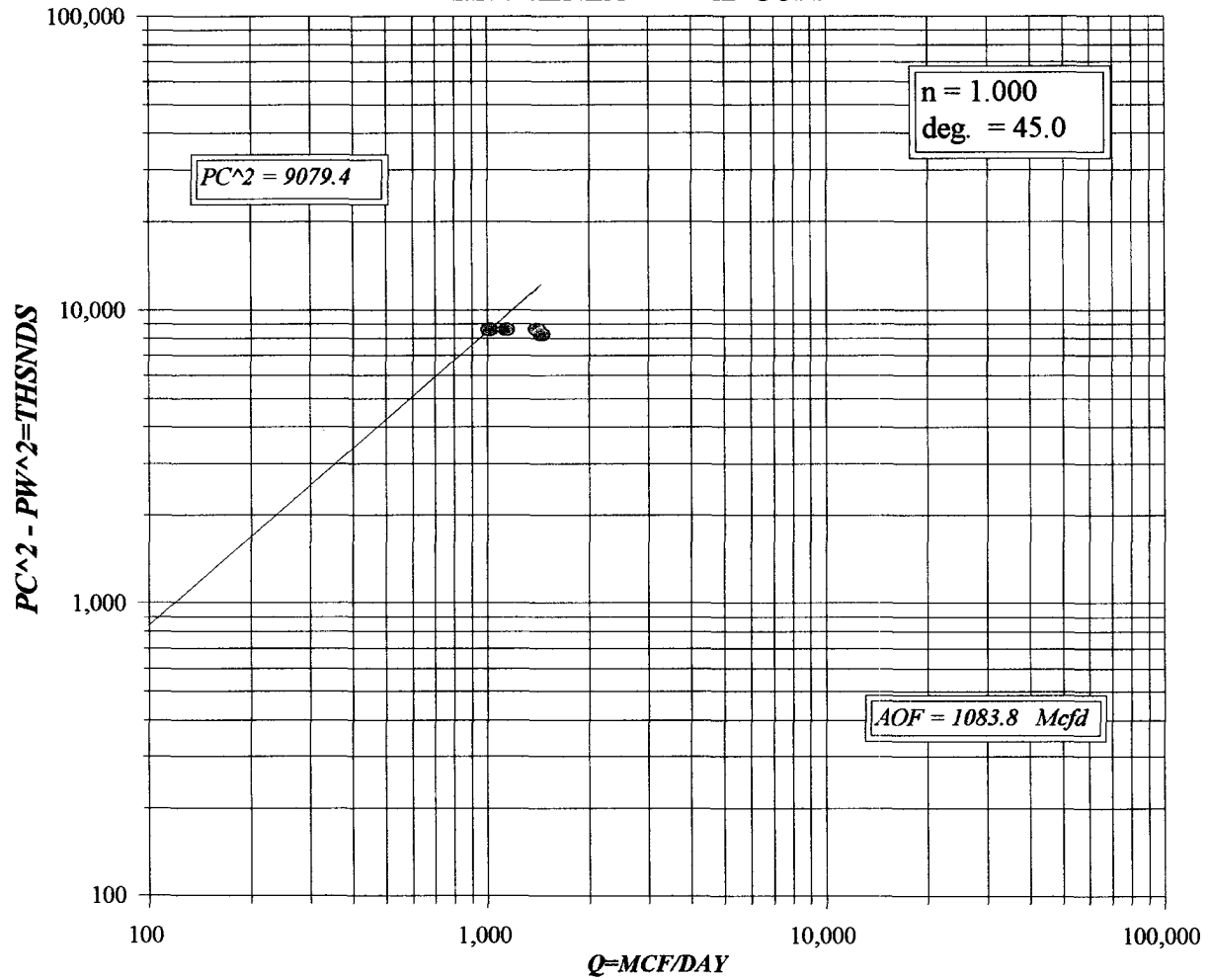
Form C-122
Revised October, 1999

DEC - 9 2004
OCCIDENTAL
30-015-32985

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Operator MEWBOURNE OIL				Lease or Unit Name ESEPERNZA 1 FED COM			
Type Test ☒ Initial ☐ Annual ☐ Special				Test Date		Well No. 2	
Completion Date 6/1/04		Total Depth 11830		Plug Back TD 11767		Elevation 3203 GL	
Unit Ltr - Sec - TWP - Rge N 1 21S 27E		County EDDY		Pool BURTON FLAT		Formation MORROW	
Csg. Size 5 1/2	Wt. 17	d 4.892	Set At 11830	Perforations: From: 11490 To: 11500		Connection SALES	
Tbg. Size 2 7/8	Wt. 6.5	d 2.441	Set At 11252	Perforations: From: To:		Baro. Press.-P _a 13.2	
Type Well-Single-Bradenhead-G.G. or G.O. Multiple SINGLE				Packer Set At 11233		Meter Run 3.067	
Producing Thru TUBING		Reservoir Temp. 181		Mean Annual Temp. 60		Taps FLG	
L 11048	H 11048	Gg 0.7	%CO ₂ 7.562	%N ₂ 1.902	%H ₂ S	Prover	Duration of Flow
FLOW DATA				TUBING DATA		CASING DATA	
No.	Prover Line Size	Orifice x Size	Press p.s.i.g.	Diff. h _w	Temp.	Press p.s.i.g.	Temp.
SI						3013.2	
1	3.067 X 1.250		554	79.67	80	1213.2	1 HR
2	3.067 X 1.250		567	82.7	82	913.2	1 HR
3	3.067 X 1.250		577	83.78	83	713.2	1 HR
4	3.067 X 1.250		616	89.94	89	738.2	1 HR
5							
RATE OF FLOW CALCULATIONS							
No.	COEFFICIENT (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress Factor F _{pv}	Rate of Flow Q. Mcfd
1							1150
2	TOTAL	FLOW	METER				1406
3							1455
4							1017
5							
No.	P _r	Temp. R	T _r	Z	Gas Liquid Hydrocarbon Ratio 41.9 Mcf bbl.		
1					A.P.I. Gravity of Liquid Hydrocarbons 55.5 Deg.		
2					Specific Gravity Separator Gas 0.596 XXXXXXXX		
3	TOTAL	FLOW	METER		Specific Gravity Flowing Fluid XXXXXX GMIX = .667		
4					Critical Pressure 675 P.S.I.A. P.S.I.A.		
5					Critical Temperature 350 R. R.		
P _c	3013.2	P _c	9079.4				
No.	P _t ²	P _w	P _w ²	P _c ² -P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.066$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.066$		
1		1220.5	1489.7	7589.7			
2		928.1	861.4	8218			
3		734	538.8	8540.6			
4		748.1	559.6	8519.8			
5							
Absolute Open Flow 1083.8				Mcf @ 15.025	Angle of Slope (°): 45	Slope n: 1	
Remarks: * WELL MADE 5 BBLs OF 55.5 API GRAVITY CONDENSATE DURING TEST.							
Approved By Division:		Conducted By: PRO WELL TESTING		Calculated By: MERV BUECKER		Checked By: BM	

MEWBOURNE OIL CO.
ESPERENZA "1" FED COM #2



COMPANY : MEWBOURNE OIL CO.		LEASE : ESPERENZA 1 FED CONWELL NO.		2		Pc = 3013.2		Pc2 = 9079.4		*	
UNIT : N		SECTION : 1		TOWNSHIP : 21S		Pt2 = 1471.9		Pw = 1220.5		*	
L : 11252		H : 11252		L/H : 1		G/GMIX : 596		833.9		928.1	
%CO2 : 1.066		%N2 : 0.216		H2S : 8197.0		DATE : 27E		508.7		734.0	
d : 2.441		Fr : 0.010763		GH : 8197.0		RANGE : 27E		544.9		748.1	
VOL 1 : 1150		PSIA 1 : 1213.2		RESV.TEMP : 181.0		Pc2-Pw2 = 7589.7		Pw2 = 1489.7		*	
VOL 2 : 1406		PSIA 2 : 913.2		SHUT-IN PRESS : 3013.2		8218.0		861.4		*	
VOL 3 : 1455		PSIA 3 : 713.2				8540.6		538.8		*	
VOL 4 : 1017		PSIA 4 : 738.2				8519.8		559.6		*	
PCR : 675		TCR : 350				n = 1.000				*	
Pc2/(Pc2-Pw2) =						1.196				*	
1.105						1.063				*	
1.066						1.066				*	
[Pc2/(Pc2-Pw2)]n =						1.196				*	
1.105						1.063				*	
1.066						1.066				*	
AOI = Q						1.376				*	
1.553						1.547				*	
1.084										*	
FORM C122-D										*	