

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-25-91	
Company Great Western Drilling Co.				Connection	
Pool Ballard Pictured Cliff				Formation Pictured Cliff	
Completion Date 9-16-91		Total Depth 6774		Plug Back TD 6690	
Elevation 6255 KB		Farm or Lease Name Federal Bond			
Csg. Size 7 5/8	Wt. d	Set At	Perforations: From 2149 To 2183		Well No. 1-E
Tbg. Size 2 3/8	Wt. d	Set At	Perforations: From To		Unit Sec. Twp. Rge. J 13 26 8
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Dual G-G				Packer Set At 6510	
Producing Thru CASING		Reservoir Temp. °F #		Mean Annual Temp. °F 12.0	
Baro. Press. - P _a 12.0		State New Mexico			
L	H	G _g .650	% CO ₂	% N ₂	% H ₂ S
Prover x		Meter Run		Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI	39 days						Pkr		549	
1.	2" x 3/4						Pkr		59	60
2.										
3.										
4.										
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	11.00		71	1.000	1.240		968
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	RECEIVED NOV 18 1991 OIL CON. DIV. DISC 3	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.	
				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.	
				Specific Gravity Separator Gas _____ X X X X X X X X	
				Specific Gravity Flowing Fluid _____ X X X X X	
				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.	
Critical Temperature _____ R _____ R					

P _c 561	P _c ² 314721	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3315$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2755$
NO	P _t ²	P _w	R _w ²
1	5041		78347
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1235$	
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Absolute Open Flow	1235	Mcf/d @ 15.025	Angle of Slope @	Slope, n .85
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Remarks:			

Approved By Commission:	Conducted By: Tefteller, Inc.	Calculated By:	Checked By:
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