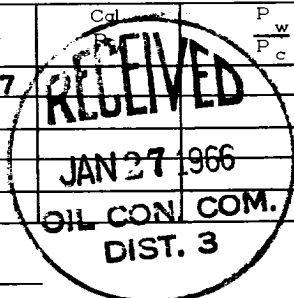


3-OCC, 1-HLKendrick, 1-BParrish
1-Intl, 1-LDH, 1-TCA
1-TCowan, 1-F

NEW MEXICO OIL CONSERVATION COMMISSION
MULTI-POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 12-1-55

Pool Basin Dakota				Formation Dakota				County San Juan			
Initial X		Annual		Special		Date of Test 1-24-66					
Company Beta Development Co.				Lease Harris Mesa Federal				Well No. 1			
Unit L	Sec. 28	Twp. 28N	Range 9W		Purchaser El Paso Natural Gas Co.						
Casing 4-1/2	Wt. 10.5	I.D. 4.052	Set at 6790'		Perf. 6586'		To 6708'				
Tubing 2-3/8	Wt. 4.7	I.D. 1.995	Set at 6714'		Perf. Open		To End				
Gas Pay:		From 6586'	To 6708'	L 6693'	G .670	GL 4484	Bar. Press. 12.0				
Producing Through:		Casing	Tubing X		Type Well - Single - Braden head - G.G. or G.O. Dual single - gas						
Date of Completion		Packer			Reservoir Temp.						
OBSERVED DATA											
Tested Through:		Prover ☐	Choke ☒	Meter ☐		Type of Taps					
FLOW DATA					TUBING DATA		CASING DATA		DURATION OF FLOW HR.		
No.	(Prover) (Line) Size	(Choke) XXXXXX Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.		Temp. °F.	
SI						1922		1937		7 days	
1.		3/4	666		88	666	88	1358		3 hrs	
2.											
3.											
4.											
5.											
FLOW CALCULATIONS											
No.	Coefficient (24 Hour)	$\sqrt{h_w P_f}$	Pressure psia	Flow Temp. Factor F _t	Gravity Factor F _g	Compress. Factor F _{pv}	Rate of Flow Q-MCF PD @ 15,025 psia				
1.	12.3650		678	.9741	.9463	1.064	8,222 <i>Q</i>				
2.											
3.											
4.											
5.											
PRESSURE CALCULATIONS											
Gas Liquid Hydrocarbon Ratio _____ cf/bbl.					Specific Gravity Separator Gas _____						
Gravity of Liquid Hydrocarbons _____ deg.					Specific Gravity Flowing Fluid _____						
F _c _____ (1-e ^{-S}) _____					P _c 1949 P _c ² 3798.6						
					P _w 1370 P _w ² 1876.9						
No.	$\frac{P_w}{P_t}$ psia	P _t ²	F _c Q	(F _c Q) ²	(F _c Q) ² (1-e ^{-S})	P _w ²	P _c ² - P _w ²	Cal. P _w	$\frac{P_w}{P_c}$		
1.						1876.9	1921.7				
2.											
3.											
4.											
5.											

ABSOLUTE POTENTIAL: 13,706 MCFPD; n .75

COMPANY Beta Development Co. WITNESSED H. McNally

ADDRESS 234 Petr. Club Plaza, Farmington, N.M. COMPANY El Paso Natural Gas Co.

AGENT AND TITLE G.L. Hoffman, Prod. Engr.