

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

Form C-122
 Revised 9-1-65

RECEIVED
 SEP 05 1985
 OIL CON. DIV. /
 DIST. 3

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 9-3-85	
Company El Paso Natural Gas		Connection	
Pool Blanco		Formation Mesa Verde	
Completion Date 9-3-85	Total Depth 5048	Plug Back TD 5033	Elevation 5074 GR
Farm or Lease Name Howell		Well No. #2A	
Csg. Size 7.000	Wt. 20	d 6.456	Set At 5048 20-8
Perforations: From *4018 To 4983			
Teg. Size 2.375	Wt. 4.7	d 1.995	Set At 4961
Perforations: From To			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At None	County San Juan
Producing Thru Tbg.	Reservoir Temp. *F a	Mean Annual Temp. *F	Baro. Press. - P _a 12
State New Mexico			
L	H	Gg .690	% CO ₂ % N ₂ % H ₂ S Prover 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. hw	Temp. *F	Press. p.s.i.g.	Temp. *F	Press. p.s.i.g.		Temp. *F
51						830			930		7 Days
1.		.750		280		280			765		3 Hrs.
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		292	.9877	.9325	1.028	3419
2.							
3.							
4.							
5.							

NO.	P _i	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 942	P _w 887364	
NO1	P _i	P _w
1	777	603729
2		
3		
4		
5		

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{887364}{283635}$

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8042$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.3524$

Absolute Open Flow	8042	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
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Remarks: *4.500" Liner from 2436 to 5047.
 Gas vented during test = 459 MCF.

Approved by Commission:	Conducted By: Bill Norman	Calculated By: Cliff Brock	Checked By: kld
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