NEW MEXICO OIL CONSERVATION COMMISSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [X] Initial [ ] Annual [ ] Special — Test Date: 6/10/80

Company: HUSKY OIL COMPANY	Connection: El Paso		
Pool: Basin, Dakota	Formation: Dakota		Unit
Completion Date	Total Depth: 6666'	Plug Back TD: 6632'	Elevation: 6333' KB
Lease or Lease Name: Bolack ~~"D"~~			
Csg. Size: — / Wt.: 10.5 / d: 4½" / Set At: 6646'	Perforations: From — To		Well No.: 3-R
Tbg. Size: — / Wt.: — / d: 2-3/8" / Set At: 6561'	Perforations: From 6551' To 6572'		Unit: ~~K~~ / Sec.: 21 / Twp.: 27N / Rge.: 11W
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: None		County: San Juan
Producing Thru: Tubing	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a: 15 — State: New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
6561	6561	0.6				2"		

FLOW DATA / TUBING DATA / CASING DATA

NO.	Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	Tubing Press. p.s.i.g.	Tubing Temp. °F	Casing Press. p.s.i.g.	Casing Temp. °F	Duration of Flow
SI					600		600		
1.	2" x ¼"	14		87	14	87			7
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	26.51		29				42.7
2							
3							
4							
5							

NO.	P_t	Temp. °R	T_t	Z
1				
2				
3				
4				
5				

Gas Liquid Hydrocarbon Ratio: Gas — Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: — Deg.
Specific Gravity Separator Gas: 0.6 (est) — XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX —
Critical Pressure: — P.S.I.A. — P.S.I.A.
Critical Temperature: — R — R

P_c 688 P_c^2 473,344

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1	1156		1156	472,188
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.002$ (3) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.002$

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 42.8$

Absolute Open Flow: 42.8 Mcfd @ 15.025 — Angle of Slope θ: 45 — Slope, n: 1.0

Remarks: Slope assumed to be 1.0 since no previous testing is available. Flow rate was measured with a 2" critical flow prover.

Approved By Commission:	Conducted By:	Calculated By: George Popovec	Checked By: