NEW MEXICO OIL CONSERVATION COMMISSION
DELIVERABILITY TEST REPORT

Form C-122-C
Revised 9-1-65

Type Test: ☐ Initial ☐ Annual ☒ Special				Test Date: 6-6-79	
Company: CONTINENTAL OIL		Connection: NONE			
Pool: JALMAT		Formation: YATES		Unit: C	
Completion: 9-4-48	Total Depth: 3000'	Plug Back TD: —	Elevation: 3107' GL	Farm or Lease Name: SHOLES B-19	
Csg. Size: 5 1/2" / Wt.: 17 # / d: 4.892 / Set At: 2700'		Perforations: OPEN HOLE From 2800' To 3000'		Well No.: 2	
Tbg. Size: 2 7/8" / Wt.: 6.5 # / d: 2.441 / Set At: 2791'		Perforations: From OPEN To ENDED		Unit: C / Sec.: 19 / Twp.: 25S / Rge.: 37E	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE		Packer Set At: NONE		County: LEA	
Producing Thru: TBG.	Reservoir Temp. °F: 80° @ 3000'	Mean Annual Temp. °F: 60°	Baro. Press. – P_a: 13.2	State: NEW MEXICO	

L	H	Gg.	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2791'	2791'	.718	1.07	1.33	.10	2"		

	FLOW DATA				TUBING DATA		CASING DATA		
NO.	Prover Line Size X Choke 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	Duration of Flow
SI	(SINCE 9-18-61)				142		142		
1.	2" X .250"	60		100	108		109	(STABILIZED)	1 HR

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.	1.087		73.2	.9636	1.180	NL	90

NO.	P_r	Temp. R	T_r	Z
				NL

P_d 48.2
P_d^2 2.3
P_c 155.2 P_c^2 24.1

Gas Liquid Hydrocarbon Ratio: DRY GAS Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY Deg.
Specific Gravity Separator Gas: .718 XXXXXXXXXX
Specific Gravity Flowing Fluid: XXXXX
Critical Pressure: 668 p.s.i.a. ____ p.s.i.a.
Critical Temperature: 398 R ____ R
Pf ____ Pf^2 ____

NO.	P_t	P_t^2	$P_c^2 - P_t^2$	P_w	P_w^2	$P_c^2 - P_w^2$	P_s	P_s^2	$P_t^2 - P_s^2$
				122.2	14.9	9.2			

$\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right] = \left[\frac{21.8}{9.2}\right] = 2.370$

$\text{Log}\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right] = 0.374669$

$\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n = 2.100$

$n \text{ Log}\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right] = 0.322215$

$\text{Deliv.} = Q\left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2}\right]^n$

Deliv. 189 Mcfd
n .860
BACK-PRESSURE TEST (6-6-79)
(Source of n)

Commission ____
Company ____
Others ____