

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

Form C-122
Revised 9-1-65

JUN 23 1969

O. E. C.
ARTESIA, OFFICE

Type Test ☒ Initial ☐ Annual ☒ Special		Test Date 6/10-6/13/69	
Company Continental Oil Company		Connection Delhi Gas Pipeline Corporation	
Pool Springs Upper Penn		Formation Cisco Canyon	
Completion Date 12-1-68		Total Depth 10,362	Plug Back TD 9390
Elevation 3298 GL		Farm or Lease Name Levers Federal	
Csq. Size 7"	Wt. 23#	d 6.366	Set At 9495
Perforations: From 8088 To 8104		Well No. 1	
Thg. Size 2 3/8"	Wt. 4.7#	d 1.995	Set At 7775
Perforations: From Open To		Unit E, 2 21S 25E	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 7775	County Eddy
Producing Thru Tbr 8088	Reservoir Temp. °F 132.8088	Mean Annual Temp. °F 75	Base. Press. - P _a 13.2
State New Mexico			
G _g .679	% CO ₂ .35	% N ₂ .45	% H ₂ S .45
Prover -	Meter Run 4"	Taps Flange	

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.		Temp. °F
SI							2502		PKr		72 Hrs.
1.	1	2	1 1/4	720	24	60	2333	68	"	68	24 Hrs.
2.	4	2	1 1/4	736	13	62	2405	68	"	68	"
3.	4	2	1 1/4	742	7	66	2454	68	"	68	"
4.	4	2	1 1/4	750	1.5	57	2473	68	"	68	"
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	25.64	132.6	733.2	1.000	1.214	1.087	4487
2	25.64	98.7	749.2	.9981	1.214	1.089	3339
3	25.64	72.7	755.2	.9943	1.214	1.087	2446
4	25.64	33.8	763.2	1.003	1.214	1.093	1154
5							

NO.	R _i	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio	Mcfd/bbl.
1	1.10	520	1.36	.846	29.5	
2	1.12	522	1.36	.844	62° API	
3	1.13	526	1.37	.846		
4	1.14	517	1.35	.837		
5						

NO.	P _i ²	P _w	P _e ²	P _e ² - P _w ²	(1) $\frac{P_e^2}{P_e^2 - P_w^2} =$	(2) $\left[\frac{P_e^2}{P_e^2 - P_w^2} \right]^n =$
1	2444.8	5977.0	399.5		6376.6	12.074
2	2470.7	6104.4	272.2			
3	2496.1	6230.5	146.1			
4	2492.5	6212.6	164.0			
5						

Absolute Open Flow		Mcfd @ 15.025	Angle of Slope θ	Slope, n
22.699				.597

Remarks:			
Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	W.D. Howard	R.D. Turner	