

ILLEGIBLE

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

Form C-122
Revised 12-1-55

Well		Formation		County	
Hollard		PC		Rio Arriba	
Initial	Annual	Special		Date of Test	
X				4/30/65	
Company		Lease		Well No.	
Sentinel Petroleum Corp		Alcorilla-Abel		5	
Unit	Sec.	Twp.	Range	Purchaser	
	30	24N	4W		
Choke	Wt.	I.D.	Set at	Perf.	To
4-1/2	9 5		26 10	2494-2	2504
Tubing	Wt.	I.D.	Set at	Perf.	To
3-1/4	14		24 83		
From	To	L	G	GL	Bar. Press.
2488	2504			430(1)	12
Producing Through:		Casing	Tubing	Type Well - Single - Braden head - G.C. or G.O. Dual	
			X	Single	
Date of Completion		Packer		Reservoir Temp.	
1-9-65					

OBSERVED DATA

Producing Through:		Prover ☐	Choke ☒	Meter ☐	Type of Taps					
FLOW DATA						TUBING DATA		CASING DATA		DURATION OF FLOW
Time	(Prover) (Line) Size	(Choke) (Line) Size	Press. psig.	Diff. h _w	Temp. °F.	Press. psig.	Temp. °F.	Press. psig.	Temp. °F.	hr.
1		2 1/2	65		80	615		615		5:00
2										
3										
4										
5										
6										
7										
8										
9										
10										

FLOW CALCULATIONS

Coef.	Coefficient (24 Hour)	$\sqrt{R_w P_f}$	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	0.0000		65	1.0000	0.9998	1.0000	1.0
2							
3							
4							
5							
6							
7							
8							
9							
10							

PRESSURE CALCULATIONS

Gas-Liquid Hydrocarbon Ratio _____ cf/bbl. Specific Gravity Separator Gas _____
Gravity of Liquid Hydrocarbons _____ deg. Specific Gravity Flowing Fluid _____
 P_c _____ (1-e^{-S}) _____ P_c _____ P_c^2 _____

No.	P_w P _w 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	P_w P _w
1	615					378225	378225	615	615
2									
3									
4									
5									

ABSOLUTE POTENTIAL: _____ MCFPD; N _____
COMPANY _____ SENTINEL PETROLEUM CORP. _____ WITNESSED _____
ADDRESS _____ 1711 Broadway, Denver, Colorado _____ COMPANY _____
AGENT AND TITLE _____ Wayne B. Smith _____

