

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9-1-67	
Company TEXAS PACIFIC OIL CO.				Connection NONE		
Pool BLUETT				Formation SA WOLF CAMP		Unit -
Completion Date 9-1-67		Total Depth 8818'		Plug Back TD 8170'		Elevation 4270' OF
Csg. Size 2 7/8"	Wt. 6.5	d 2.441	Set At 8807	Perforations: From 7983' To 8150'		Well No. 1
Trg. Size -	Wt. -	d -	Set At -	Perforations: From - To -		Unit Sec. Twp. Rge. 1 32 7 37
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At NONE		County ROOSEVELT
Producing Thru CASING		Reservoir Temp. °F 142° 8067		Mean Annual Temp. °F -		Baro. Press. - P _a 13.2
L -		H -	G _g 0.6990	% CO ₂ 0.27	% N ₂ 9.64	% H ₂ S 0.00
Prover X		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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							1337	-	-	-
1.	2" 1 1/2	26/64	41	-	-	53	634	72	-	-
2.	2" 1 1/2	22/64	40	-	-	44	673	70	-	-
3.	2" 1 1/2	19/64	36	-	-	34	740	70	-	-
4.	2" 1 1/2	10/64	35	-	-	25	870	70	-	-
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	27.63	-	54.2	1.002	1.195	1.000	1794.6
2	27.63	-	53.2	1.016	1.196	1.000	1786.2
3	27.63	-	49.2	1.026	1.196	1.000	1668.1
4	27.63	-	48.2	1.034	1.196	1.000	1647.0
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 21379 Mcf/bbl.
1	.083	518	1.44	-	A.P.I. Gravity of Liquid Hydrocarbons 67.4 Deg.
2	.091	504	1.40	-	Specific Gravity Separator Gas 0.699 XXXXXXXXXX
3	.075	494	1.32	-	Specific Gravity Flowing Fluid XXXXXX
4	.073	486	1.35	-	Critical Pressure 656 P.S.I.A. - P.S.I.A.
5					Critical Temperature 250 R - R

P _c 1733.2	P _c ² 3004.0	*				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.649$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.556$
1	-	1087.2	1182.0	1622.0		
2	-	1101.2	1212.6	1791.4		
3	-	1147.2	1316.1	1687.9		
4	-	1161.2	1348.4	1655.6		
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2792$

Absolute Open Flow 2800 Mcfd @ 15.025	Angle of Slope 4R	Slope, n 0.886
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Remarks: * BHP @ (-3797) 8067' Used For Pressure Calculations

Approved By Commission <i>Joe A. Coleman</i>	Conducted By COLEMAN PET. ENG. CO.	Calculated By <i>Joe A. Coleman</i>	Checked By JOE A. COLEMAN
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COLEMAN PETROLEUM ENGINEERING COMPANY

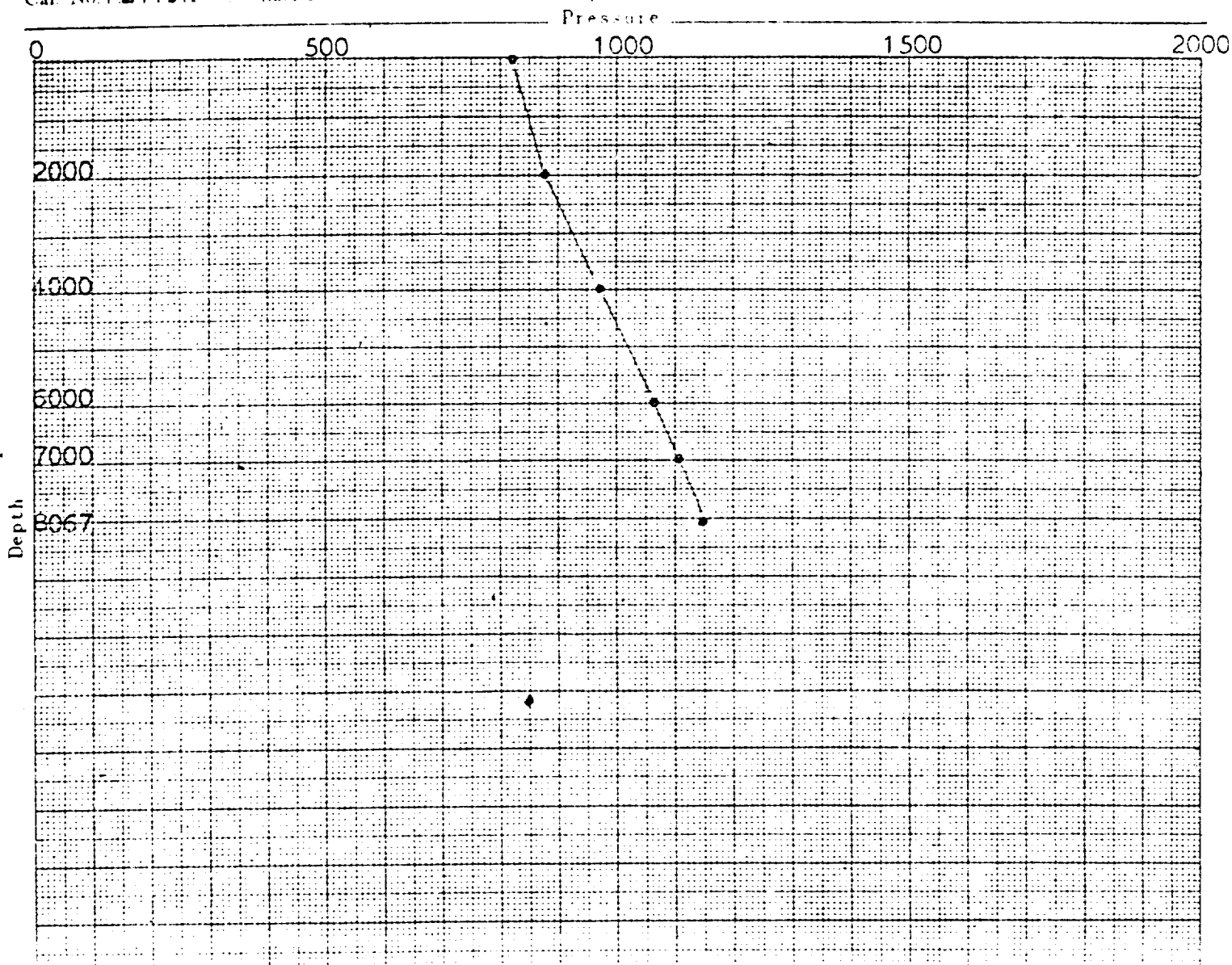
PHONE EXPRESS 3 3813
611 GRIMES
P. O. BOX 1829
HOBBS, NEW MEXICO

BOTTOM HOLE PRESSURE RECORD

OPERATOR TEXAS PACIFIC OIL COMPANY
FIELD BLUETT FORMATION SA WOLF CAMP
LEASE BLUETT COMBINE WELL No. 1
COUNTY ROOSEVELT STATE NEW MEXICO
DATE 9-1-67 TIME 9:00 PM
Status FLOWING ON Test depth 8067'
XXXXXX 16/64" CH Last test date -
Tub Pres. 820 DWT BHP last test -
Cas. Pres. - BHP change -
Elev. 4270' DF-13' Fluid top SURFACE
Datum (-3797)** Water top -
Temp. 142°F -- Run by ALLMAN
Cal. No. A2419N Chart No. 2

Depth	Pressure	Gradient
0	820	-
2000	880	.030
4000	974	.047
6000	1063	.045
7000	1108	.045
8067(-3797)	1148**	.037

** MID POINT OF CASING PERFORATIONS





COLEMAN PETROLEUM ENGINEERING COMPANY

OCT 23 1966

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BOTTOM HOLE PRESSURE RECORD

OPERATOR TEXAS PACIFIC OIL COMPANY
FIELD BLUITT FORMATION SA WOLFCAMP
LEASE BLUITT COMBINE WELL No. 1
COUNTY ROOSEVELT STATE NEW MEXICO
DATE 9-1-67 TIME 8:00 AM
Status SHUT IN Test depth 8067'
Time 8:196.0 HRS Last test date 8-25-67
Tub Pres. 1337 DWT BHP last test 1705
Cas. Pres. - BHP change 15# GAIN
Elev. 4270' OF -13' Fluid top NONE
Datum (-3797)** Water top NONE
Temp @ 1420F-- Run by ALLMAN
Cal. No. A2419N Chart No. 1

Depth	Pressure	Gradient
0	1337	-
2000*	1426	.045
4000	1516	.045
6000	1616	.050
7000	1666	.050
8067(-3797)	1720**	.051

** MID POINT OF CASING PERFORATIONS

