

POGO PRODUCTION COMPANY
Lease Owner/Company Name

186146
Ticket Number

B.T. 7607

B.T. 5099

B.T.

Depth 14826'-24HR.

Depth 15266'-24 HR.

Depth

Time (minutes)	Log $\frac{t - 0}{t}$	PSIG Temp Corr	Time (minutes)	Log $\frac{t - 0}{t}$	PSIG Temp Corr	Time (minutes)	Log $\frac{t - 0}{t}$	PSIG Temp Corr
First flow...			First flow...					
0		1323.3	0		1640.7			
4		1352.1	4		1657.3			
8		1396.5	8		1705.2			
12		1436.7	12		1743.6			
16		1471.2	16		1774.9			
20		1500.3	20		1802.6			
24		1526.5	24		1828.0			
28		1549.5	28		1847.6			
29.6		1557.8	29.5		1853.7			
Initial CIP...			Initial CIP...					
0		1557.8	0		1853.7			
5		4332.8	5		4430.0			
10		6020.6	10		6051.6			
15		6560.3	15		6737.3			
20		6742.5	20		6969.5			
25		6832.7	25		7086.4			
30		6879.0	30		7136.4			
35		6900.0	35		7170.8			
40		6916.5	40		7187.0			
45		6926.0	45		7200.0			
50		6937.8	50		7207.8			
55		6943.5	55		7215.9			
61.6		6948.9	61.1		7220.8			
Second flow...			Second flow...					
0		1608.9	0		1909.1			
15		1667.7	15		1962.9			
30		1722.0	30		2019.8			
45		1771.2	45		2066.9			
60		1822.7	60		2115.6			
75		1867.4	75		2158.8			
91.3		1913.1	91.2		2204.2			
Second CIP...			Second CIP...					
0		1913.1	0		2204.2			
10		5315.6	10		5452.3			
20		6381.0	20		6582.5			
30		6675.6	30		6903.2			
40		6776.8	40		7022.4			
50		6830.8	50		7085.1			
60		6858.7	60		7117.5			
70		6873.3	70		7133.8			

186146
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B.T. _____

Depth _____

[illegible]

Remarks: _____

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HALLIBURTON DIVISION LABORATORY
 HALLIBURTON SERVICES
 MIDLAND DIVISION
 HOBBS, NEW MEXICO 88240
 LABORATORY WATER ANALYSIS

No. W81-620

TICKET #186146

7-25-81

Date

To Pogo Production CompanyBox 10340Midland, TexasTICKET NUMBER 186146

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Submitted by _____ Date Rec. 7-25-81
 Well No. Federal "EBR" #1 Depth 15,220' Formation Morrow Lime
 County Lea Field _____ Source DST #2

	Sampler	Tool Top	Morrow Lime
Resistivity	0.088 @ 74°F.	0.070 @ 74°F.	0.058 @ 74°F.
Specific Gravity	1.081		
pH	5.9		
Calcium (Ca)	4,000		*MPL
Magnesium (Mg)	Nil		
Chlorides (Cl)	70,000	77,000	95,000
Sulfates (SO ₄)	1,200		
Bicarbonates (HCO ₃)	635		
Soluble Iron (Fe)	70		

☒ Pit Sample - Res. @ 74°F. - 0.052 Chlorides, mpl - 162,000

*Milligrams per liter

Remarks:

Respectfully submitted,

Analyst: Brewer

cc:

HALLIBURTON COMPANY

By W. L. Brewer
CHEMIST

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