

Bit Record

Pump Data

Pump #1 **Model:** Gardiner-Denver **Size:** PA 8 **Type:** triplex
Pump Rod Diameter: **Liner Size:** 114.0 (Sfc.) 99.0 (Int.) 56.0 (Main)
Efficiency Rating (%): 100 **Stroke Length:** 196.0

Pump #2 **Model:** Gardner-Denver **Size:** PA8 **Type:** triplex
Pump Rod Diameter: **Liner Size:** 114.0 (Sfc.) 99.0 (Int.) 56.0 (Main)
Efficiency Rating (%): 100 **Stroke Length:** 196.0

Bit Data

Storage Units: Metric

Bit #: 1A **Make:** SEC **Type:** SS44G **IADC Classification:** S 1 3 5
Serial #: 686384 **Size:** 222.0 **Jets / Nozzles:** 13.00 / 13.00 / 13.00 / **T.F.A.:**
Depth In: 10.00 **Depth Out:** 129.00 **Made:** 119.00 **Rotating Hours:** 7.00
Average Drill Rate: 17.00 **Total Rotating Hours:** 7.00

Bit Grade / Condition I.A.D.C.: 0 / 1 / WT / G / E / I / NO / TD / BHA T / B / G: 1 / 2 / I
Remarks: POOH to pickup 319.1mm bit to ream out rat hole.

Formations Drilled: Surface, Sephton

Drilling Parameters

	Min	Max		Min	Max
Force on Bit:	2,000	/ 6,000	R.P.M.:	80	/ 100
Pump 1 S.P.M. / Volume:	156	/ 1,600	Pump 2 S.P.M. / Volume:	121	/ 1,600
S.P.P.:	9,500	/ 10,000	Fluid Density:	1,000	/ 1,010
Drift Angle:	0.000	/ 0.500	Funnel Viscosity:	28	/ 29

Annular Velocity **Drill Collars:** 45.0 **HeavyWeight Drill Pipe:** 35.0 **Drill Pipe:** 25.0
Bottoms Up **Depth:** 129.00 **Theoretical:** 3 **Actual:** 4

Bit #: 2ARR **Make:** SEC **Type:** SS33J4 **IADC Classification:** S 1 2 4
Serial #: 560360 **Size:** 311.0 **Jets / Nozzles:** 13.00 / 13.00 / 13.00 / 12.00 **T.F.A.:**
Depth In: 10.00 **Depth Out:** 135.00 **Made:** 125.00 **Rotating Hours:** 4.50
Average Drill Rate: 27.78 **Total Rotating Hours:** 11.50

Bit Grade / Condition I.A.D.C.: 1 / 2 / WT / A / E / I / NO / TD / **T / B / G:** 1 / 3 / I
Remarks:

Formations Drilled: Sephton, Roemer Carbonate

Drilling Parameters

	Min	Max		Min	Max
Force on Bit:	2,000	/ 4,000	R.P.M.:	60	/ 100
Pump 1 S.P.M. / Volume:	90	/ 1,600	Pump 2 S.P.M. / Volume:	90	/ 1,600
S.P.P.:	100	/ 120	Fluid Density:	1,000	/ 1,010
Drift Angle:	0.000	/ 0.500	Funnel Viscosity:	28	/ 38

Annular Velocity **Drill Collars:** 35.0 **HeavyWeight Drill Pipe:** 20.0 **Drill Pipe:** 15.0
Bottoms Up **Depth:** 135.00 **Theoretical:** 4 **Actual:** 6