

POST WELL REPORT

PHILLIPS PETROLUEM *EVGSAU 0546-038* *SEC. 05-T18S-R35E* *LEA COUNTY, NEW MEXICO*

Sur: B - 5-18s-35e 660/N & 1980/E
B4L C - 5-18s-35e 669/N & 1793/W
30-025-03059

DECEMBER 29, 2000

sperry-sun
DRILLING SERVICES

A HALLIBURTON COMPANY



Halliburton Drilling Systems

Page 1

Survey Report

Date: 12/28/2000

Time: 1:49 pm

Wellpath ID: EVGSAU 0546-038 (SURVEYS)

Date Created: 12/13/2000

Last Revision: 12/27/2000

Calculated using the Minimum Curvature Method

Computed using PDS VER2.2.8

Vertical Section Plane: 270.00 deg.

Survey Reference: WELLHEAD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: WELLHEAD

PHILLIPS PETROLEUM

LEA COUNTY, NEW MEXICO

SEC. 05-T18S-R35E

EVGSAU 0546-038

SURVEYS

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft) (ft)		DLS (dg/100ft)
4153.00	0.90	349.20	0.00	4153.00	0.00	0.00 N	0.00 E	0.00
4186.00	0.60	350.60	33.00	4186.00	0.08	0.43 N	0.08W	0.91
4218.00	2.40	276.70	32.00	4217.99	0.77	0.67 N	0.77W	7.21
4249.00	7.40	267.10	31.00	4248.86	3.41	0.64 N	3.41W	16.29
4280.00	11.90	253.40	31.00	4279.42	8.47	0.37 S	8.47W	16.20
4312.00	17.00	263.90	32.00	4310.40	16.29	1.81 S	16.29W	17.86
4344.00	21.70	266.80	32.00	4340.59	26.85	2.64 S	26.85W	14.99
4377.00	26.80	266.30	33.00	4370.67	40.38	3.46 S	40.38W	15.47
4409.00	31.80	267.80	32.00	4398.56	56.01	4.25 S	56.01W	15.79
4442.00	35.60	268.90	33.00	4426.01	74.31	4.77 S	74.31W	11.66
4474.00	40.30	268.30	32.00	4451.24	93.98	5.26 S	93.98W	14.73
4506.00	43.20	268.30	32.00	4475.11	115.27	5.89 S	115.27W	9.06
4538.00	51.30	271.40	32.00	4496.82	138.75	5.91 S	138.75W	26.29
4570.00	59.70	273.00	32.00	4514.93	165.07	4.88 S	165.07W	26.57
4602.00	69.10	274.40	32.00	4528.74	193.84	3.00 S	193.84W	29.64
4634.00	74.40	275.70	32.00	4538.76	224.10	0.32 S	224.10W	17.01
4666.00	78.80	275.50	32.00	4546.17	255.07	2.71 N	255.07W	13.76
4698.00	82.40	272.70	32.00	4551.40	286.55	4.96 N	286.55W	14.18
4731.00	85.00	271.60	33.00	4555.02	319.33	6.19 N	319.33W	8.55
4763.00	85.50	271.40	32.00	4557.67	351.21	7.03 N	351.21W	1.68
4795.00	86.30	270.80	32.00	4559.96	383.12	7.64 N	383.12W	3.12

Halliburton Drilling Systems

Page 2

Date: 12/28/2000

Survey Report Wellpath ID: EVGSAU 0546-038 (SURVEYS)

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft) (ft)		DLS (dg/100ft)
4827.00	85.10	269.90	32.00	4562.36	415.03	7.84 N	415.03W	4.68
4859.00	83.40	269.00	32.00	4565.56	446.86	7.53 N	446.86W	6.00
4891.00	82.90	268.60	32.00	4569.38	478.63	6.87 N	478.63W	2.00
4923.00	83.40	270.90	32.00	4573.20	510.40	6.73 N	510.40W	7.31
4955.00	83.00	270.50	32.00	4576.99	542.17	7.12 N	542.17W	1.76
4987.00	82.10	270.00	32.00	4581.14	573.90	7.25 N	573.90W	3.21
5019.00	81.20	269.50	32.00	4585.78	605.56	7.12 N	605.56W	3.21
5051.00	79.80	269.80	32.00	4591.06	637.12	6.92 N	637.12W	4.47
5083.00	79.80	269.80	32.00	4596.73	668.61	6.81 N	668.61W	0.00
5115.00	80.50	269.50	32.00	4602.20	700.14	6.62 N	700.14W	2.37
5147.00	81.30	269.50	32.00	4607.27	731.74	6.35 N	731.74W	2.50
5180.00	81.80	269.20	33.00	4612.11	764.37	5.98 N	764.37W	1.76
5212.00	82.80	269.10	32.00	4616.40	796.08	5.50 N	796.08W	3.14
5244.00	83.40	268.90	32.00	4620.25	827.85	4.95 N	827.85W	1.98
5276.00	81.80	269.20	32.00	4624.37	859.57	4.42 N	859.57W	5.09
5308.00	82.60	269.40	32.00	4628.71	891.27	4.04 N	891.27W	2.58
5339.00	83.90	269.40	31.00	4632.35	922.06	3.71 N	922.06W	4.19
5371.00	84.70	269.40	32.00	4635.53	953.90	3.38 N	953.90W	2.50
5403.00	83.20	270.00	32.00	4638.90	985.72	3.21 N	985.72W	5.04
5436.00	81.70	269.90	33.00	4643.24	1018.43	3.19 N	1018.43W	4.56
5468.00	81.90	270.00	32.00	4647.80	1050.10	3.16 N	1050.10W	0.70
5500.00	82.60	269.90	32.00	4652.12	1081.81	3.13 N	1081.81W	2.21
5532.00	83.20	269.90	32.00	4656.07	1113.57	3.07 N	1113.57W	1.87
5564.00	83.80	269.70	32.00	4659.70	1145.36	2.96 N	1145.36W	1.98
5595.00	84.20	269.70	31.00	4662.94	1176.19	2.80 N	1176.19W	1.29
5631.00	84.80	267.80	36.00	4666.39	1212.01	2.02 N	1212.01W	5.51
5663.00	84.20	267.20	32.00	4669.46	1243.83	0.63 N	1243.83W	2.65
5695.00	84.50	267.40	32.00	4672.61	1275.64	0.87 S	1275.64W	1.13
5727.00	83.20	268.30	32.00	4676.03	1307.44	2.06 S	1307.44W	4.93
5759.00	82.60	268.10	32.00	4679.99	1339.18	3.06 S	1339.18W	1.97
5791.00	82.40	268.30	32.00	4684.17	1370.89	4.06 S	1370.89W	0.88
5822.00	82.30	267.80	31.00	4688.29	1401.59	5.10 S	1401.59W	1.63
5854.00	82.20	267.80	32.00	4692.61	1433.28	6.32 S	1433.28W	0.31

LAST SURVEY

Hailiburton Drilling Systems

Page 3

Date: 12/28/2000

Survey Re Wellpath ID: EVGSAU 0546-038 (SURVEYS)

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	Course Length (ft)	TVD (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft) (ft)		DLS (dg/100ft)
5883.00	82.10	267.90	29.00	4696.57	1461.98	7.40 S	1461.98W	0.49
PROJECTION TO BIT								
5928.00	82.10	267.90	45.00	4702.75	1506.53	9.03 S	1506.53W	0.00

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Customer : Phillips Petroleum
 Well Name : EVGSAU 0546-038
 Field : East Vacuum Unit
 County : Lea County, NM
 Rig : POOL #801
 Job # : OK-MJ-00098

CURRENT STATUS Report # 1 12/10/2000

Total Depth (ft) : 4204	Casing Depth (ft) : 4120.00	Operator Reps : John Brooks
Drilled last 24 hrs (ft) : 0	Casing Diameter (in) : 7.000	SSDS Reps : Larry Wilson (1), Alton Stubblefield (1)
Hole Size (in) :	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
4186.00	0.60	350.60	4186.00	0.43	N10.00W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
05:00	16:00	11.00	4204.00		Arrive on location @ 16:00 p.m.
16:00	00:00	8.00	4204.00		MIRU-Standby
00:00	05:00	5.00	4204.00		Standby

COMMENTS

DAILY COST = \$3,670
 TOTAL COST = \$3,670

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Customer : Phillips Petroleum
 Well Name : EVGSAU 0546-038
 Field : East Vacuum Unit
 County : Lea County, NM
 Rig : POOL #801
 Job # : OK-MJ-00098

CURRENT STATUS Report # 2 12/11/2000

Total Depth (ft) : 4204	Casing Depth (ft) : 4120.00	Operator Reps : John Brooks
Drilled last 24 hrs (ft) : 0	Casing Diameter (in) : 7.000	SSDS Reps : Larry Wilson (2), Alton Stubblefield (2)
Hole Size (in) :	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
4186.00	0.60	350.60	4186.00	0.43	N10.00W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
05:00	00:00	19.00	4204.00		Standby
00:00	05:00	5.00	4204.00		Standby

COMMENTS

DAILY COST = \$2,500
 TOTAL COST = \$6,170

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

CURRENT STATUS Report # 3 12/12/2000

Total Depth (ft) : 4215	Casing Depth (ft) : 4120.00	Operator Reps : John Brooks
Drilled last 24 hrs (ft) : 11	Casing Diameter (in) : 7.000	SSDS Reps : Larry Wilson (3), Alton Stubblefield (3)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
4186.00	0.60	350.60	4186.00	0.43	N10.00W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 1: 1055.36 ft; Bit # (8.5 hrs), PDM #1 (8.5 hrs), Sub, Sub, MWD, 1x Flex, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ³)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
05:00	15:00	10.00	4204.00		Standby
15:00	17:15	2.25	4204.00		PU BHA #1
17:15	20:30	3.25	4204.00	1	Trip In
20:30	02:00	5.50	4209.00	1	Time drilling @ 1' per hour
02:00	05:00	3.00	4215.00	1	Time drilling @ 2' per hour

COMMENTS

DAILY COST = \$7,435
TOTAL COST = \$13,605

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

CURRENT STATUS Report # 4 12/13/2000

Total Depth (ft) : 4487	Casing Depth (ft) : 4120.00	Operator Reps : John Brooks
Drilled last 24 hrs (ft) : 272	Casing Diameter (in) : 7.000	SSDS Reps : Alton Stubblefield (4)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
4474.00	40.30	268.30	4451.24	94.12	S86.80W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 1: 1055.36 ft; Bit # (30. hrs), PDM #1 (30. hrs), Sub, Sub, MWD, 1x Flex, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
05:00	06:30	1.50	4220.00	1	Time drilling @ 2' per hour
06:30	08:15	1.75	4231.00	1	Slide @ 270° MTF
08:15	08:30	0.25	4231.00	1	Connection / Survey @ 4186' - 0.6° - 350.6°
08:30	11:30	3.00	4263.00	1	Slide 32' @ 270° MTF
11:30	11:45	0.25	4263.00	1	Connection / Survey @ 4218' - 2.4° - 276.7°
11:45	14:00	2.25	4294.00	1	Slide 32' @ 270° MTF
14:00	14:15	0.25	4294.00	1	Connection / Survey @ 4249' - 7.4° - 267.1°
14:15	16:00	1.75	4325.00	1	Slide 31' @ 15°R GTF
16:00	16:15	0.25	4325.00	1	Connection / Survey @ 4280' - 11.9° - 253.4°
16:15	18:30	2.25	4357.00	1	Slide 32' @ 10°R GTF
18:30	18:45	0.25	4357.00	1	Connection / Survey @ 4312' - 17.0° - 263.9°
18:45	22:15	3.50	4389.00	1	Slide 32' @ 0° GTF
22:15	22:45	0.50	4389.00	1	Connection / Survey @ 4344' - 21.7° - 266.8°
22:45	00:15	1.50	4422.00	1	Slide 33' @ 0° GTF
00:15	00:30	0.25	4422.00	1	Connection / Survey @ 4377' - 26.8° - 266.3°
00:30	03:15	2.75	4454.00	1	Slide 32' @ 0° GTF
03:15	03:30	0.25	4454.00	1	Connection / Survey @ 4409' - 31.8° - 267.3°
03:30	04:45	1.25	4487.00	1	Slide 32' @ 0° GTF
04:45	05:00	0.25	4487.00	1	Connection / Survey @ 4442' - 35.6° - 268.9°

COMMENTS

DAILY COST = \$6350
TOTAL COST = \$19,955

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

CURRENT STATUS Report # 5 12/14/2000

Total Depth (ft) : 4618	Casing Depth (ft) : 4120.00	Operator Reps : John Brooks
Drilled last 24 hrs (ft) : 131	Casing Diameter (in) : 7.000	SSDS Reps : Alton Stubblefield (5), Steve Martin (1)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
4602.00	69.10	274.40	4528.74	193.86	S89.11W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 1: 1055.36 ft; Bit # (31.25 hrs), PDM #1 (32. hrs), Sub, Sub, MWD, 1x Flex, 1x Flex, DP (S), 10x DC
BHA 2: 1022.81 ft; Bit # (35. hrs), PDM # (5.25 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
05:00	06:15	1.25	4511.00	1	Drilling
06:15	07:00	0.75	4511.00	1	Circulate
07:00	09:45	2.75	4511.00	1	Trip out for more motor bend
09:45	10:30	0.75	4511.00	1	Lay down Motor
10:30	11:30	1.00	4511.00	2	Pick up motor, set at 2.57° and test
11:30	15:00	3.50	4511.00	2	Trip In
15:00	15:15	0.25	4511.00	2	Reaming / Washing
15:15	15:30	0.25	4519.00	2	Slide 8' @ 0° GTF
15:30	15:45	0.25	4519.00	2	Connection / Survey @ 4474' - 40.3° - 268.3°
15:45	16:45	1.00	4551.00	2	Slide 32' @ 0° GTF
16:45	17:00	0.25	4551.00	2	Connection / Survey @ 4506' - 43.2° - 268.3°
17:00	18:00	1.00	4583.00	2	Slide 32' @ 0° GTF
18:00	18:15	0.25	4583.00	2	Connection / Survey @ 4538' - 51.3° - 271.4°
18:15	19:00	0.75	4615.00	2	S/ 32' @ 0° GTF
19:00	19:45	0.75	4615.00	2	Deviation Survey, 4570' - 59.7° - 273
19:45	20:15	0.50	4618.00	2	S/ 3' @ 0° GTF
20:15	21:45	1.50	4618.00	2	Circulate, Building too much
21:45	00:00	2.25	4618.00	2	Wash 120' Out, Sticking till 4511'
00:00	05:00	5.00	4618.00	2	Trip Out

COMMENTS

DAILY COST = \$7075
TOTAL COST = \$27,030,

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

CURRENT STATUS Report # 6 12/15/2000

Total Depth (ft) : 4904	Casing Depth (ft) : 4120.00	Operator Reps : John Brooks
Drilled last 24 hrs (ft) : 286	Casing Diameter (in) : 7.000	SSDS Reps : Alton Stubblefield (6), Steve Martin (2)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
4891.00	82.90	268.60	4569.38	478.68	N89.18W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 2: 1022.81 ft; Bit # (35. hrs), PDM # (5.25 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC
BHA 3: 2145.14 ft; Bit # (13.5 hrs), PDM # (13.5 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
05:00	07:15	2.25	4618.00	2	Trip Out (at Surface)
07:15	07:45	0.50	4618.00	2	LD Motor
07:45	09:15	1.50	4618.00	2	Work BOP
09:15	10:00	0.75	4618.00	3	PU New Motor and test
10:00	13:30	3.50	4618.00	3	Trip In
13:30	13:45	0.25	4618.00	3	Reaming / Washing
13:45	15:15	1.50	4647.00	3	Slide 29' @ 5°L GTF
15:15	15:30	0.25	4647.00	3	Connection / Survey @ 4602' - 69.1° - 274.4°
15:30	17:15	1.75	4679.00	3	Slide 32' @ 5°L GTF
17:15	17:30	0.25	4679.00	3	Connection / Survey @ 4634' - 74.4° - 275.7°
17:30	18:45	1.25	4711.00	3	S/ 32' @ 75L GTF
18:45	19:00	0.25	4711.00	3	Deviation Survey, 4666' - 78.8° - 275.5
19:00	19:30	0.50	4723.00	3	S/ 12' @ 20L
19:30	20:30	1.00	4743.00	3	R/ 20' - 12K - 35 RPM
20:30	20:45	0.25	4743.00	3	Deviation Survey, 4698' - 82.4° - 272.7
20:45	22:00	1.25	4776.00	3	R/ 33' - 15k - 35 rpm
22:00	22:15	0.25	4776.00	3	Deviation Survey, 4731' - 85° - 271.6
22:15	23:00	0.75	4782.00	3	S/ 6' @ 130L
23:00	00:00	1.00	4808.00	3	R/ 26' - 15k - 40 rpm
00:00	00:15	0.25	4808.00	3	Deviation Survey, 4763' - 85.5° - 271.4
00:15	01:15	1.00	4818.00	3	S/ 10' @ 170L
01:15	01:45	0.50	4840.00	3	R/ 22' - 15k - 50 rpm

COMMENTS

DAILY COST = \$7075
TOTAL COST = \$34,105
Building angle in rotary

CURRENT STATUS Report # 6 12/31/2000

Total Depth	(ft)	:	4904	Casing Depth	(ft)	:	4120.00	Operator Reps	:	John Brooks
Drilled last 24 hrs	(ft)	:	286	Casing Diameter	(in)	:	7.000	SSDS Reps	:	Alton Stubblefield (6), Steve Martin (2)
Hole Size	(in)	:	6.125	Casing ID	(in)	:				

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
4891.00	82.90	268.60	4569.38	478.68	N89.18W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)
----------------	-------------	--------------

BHA SUMMARY

BHA 2: 1022.81 ft; Bit # (35. hrs), PDM # (5.25 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC
BHA 3: 2145.14 ft; Bit # (13.5 hrs), PDM # (13.5 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
------	--------------	----------	---------	------------------------------	------	------------	----	------------	----------	---------

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
01:45	02:00	0.25	4840.00	3	Deviation Survey, 4795' - 86.3° - 270.8
02:00	02:45	0.75	4850.00	3	S/ 10' @ 170L
02:45	03:30	0.75	4872.00	3	R/ 22' - 15k - 50 rpm
03:30	03:45	0.25	4872.00	3	Deviation Survey, 4837' - 85.1° - 269.9
03:45	04:00	0.25	4877.00	3	S/ 5' @ 170L
04:00	05:00	1.00	4904.00	3	R/ 27' - 15k - 40 rpm

COMMENTS

DAILY COST = \$7075
TOTAL COST = \$34,105
Building angle in rotary

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

CURRENT STATUS Report # 7 12/16/2000

Total Depth (ft) : 5128	Casing Depth (ft) : 4120.00	Operator Reps : John Brooks
Drilled last 24 hrs (ft) : 224	Casing Diameter (in) : 7.000	SSDS Reps : Alton Stubblefield (7), Steve Martin (3)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
5115.00	80.50	269.50	4602.20	700.17	N89.46W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 3: 2145.14 ft; Bit # (15.75 hrs), PDM # (15.75 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC
BHA 4: 2145.14 ft; Bit # (7.5 hrs), PDM # (23.25 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
05:00	05:15	0.25	4904.00	3	Connection / Survey @ 4859' - 83.4° - 269
05:15	06:15	1.00	4936.00	3	Rotate 32' - 15k - 50 rpm
06:15	06:30	0.25	4936.00	3	Connection / Survey @ 4891' - 82.9° - 268.6°
06:30	07:15	0.75	4957.00	3	Rotate 21' - 15k - 50 rpm
07:15	07:45	0.50	4963.00	3	Slide 06' @ 180° GTF
07:45	08:45	1.00	4963.00	3	Lost 200# PSI / MWD quit pulsing / check pumps
08:45	09:15	0.50	4963.00	3	Pump softline
09:15	15:00	5.75	4963.00	3	Trip Out for PSI Loss and MWD not Pulsing
15:00	15:15	0.25	4963.00	3	Lay down MWD Tool / Found bad pulser driver
15:15	16:15	1.00	4963.00	3	Replace Valve on Standpipe
16:15	16:45	0.50	4963.00	4	Make up Bit and test
16:45	20:15	3.50	4963.00	4	Trip In
20:15	20:45	0.50	4963.00	4	PU SWIVEL & WASH 27'
20:45	21:45	1.00	4968.00	4	S/ 5' @ 165L
21:45	22:00	0.25	4968.00	4	Deviation Survey, 4923' - 83.4° - 270.9
22:00	22:15	0.25	4973.00	4	S/ 5' @ 165L
22:15	23:15	1.00	5000.00	4	R/ 27' - 15k - 50 rpm
23:15	23:30	0.25	5000.00	4	Deviation Survey, 4955' - 83° - 270.5
23:30	00:00	0.50	5005.00	4	S/ 5' @ 180
00:00	01:00	1.00	5032.00	4	R/ 27' - 15k - 50 rpm
01:00	01:15	0.25	5032.00	4	Deviation Survey, 4987' - 82.1° - 270
01:15	01:45	0.50	5042.00	4	S/ 10' @ 180

COMMENTS

DAILY COST = \$6350
TOTAL COST = \$40,455

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

CURRENT STATUS Report # 8 12/17/2000

Total Depth (ft) : 5645	Casing Depth (ft) : 4120.00	Operator Reps : John Brooks
Drilled last 24 hrs (ft) : 517	Casing Diameter (in) : 7.000	SSDS Reps : Alton Stubblefield (8), Steve Martin (4)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
5631.00	84.80	267.80	4666.39	1212.01	N89.90W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 2145.14 ft; Bit # (27.25 hrs), PDM # (43. hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
05:00	05:15	0.25	5128.00	4	Deviation Survey, 5083' - 79.8° - 269.8
05:15	06:15	1.00	5160.00	4	Rotate 32' - 15k - 50 rpm
06:15	06:30	0.25	5160.00	4	Connection / Survey @ 5115' - 80.5° - 269.5°
06:30	07:30	1.00	5192.00	4	Rotate 32' - 15k - 40 rpm
07:30	07:45	0.25	5192.00	4	Connection / Survey @ 5147' - 81.3° - 269.5°
07:45	08:45	1.00	5225.00	4	Rotate 33' - 15k - 40 rpm
08:45	09:00	0.25	5225.00	4	Connection / Survey @ 5180' - 81.8° - 269.2°
09:00	10:00	1.00	5257.00	4	Rotate 32' - 15k - 40 rpm
10:00	10:15	0.25	5257.00	4	Connection / Survey @ 5212' - 82.8° - 269.1°
10:15	10:45	0.50	5265.00	4	Slide 08' @ 165°R GTF
10:45	11:30	0.75	5289.00	4	Rotate 24' - 15k - 40 rpm
11:30	11:45	0.25	5289.00	4	Connection / Survey @ 5244' - 83.4° - 268.9°
11:45	12:30	0.75	5321.00	4	Rotate 32' - 15k - 40 rpm
12:30	12:45	0.25	5321.00	4	Connection / Survey @ 5276' - 81.8° - 269.2°
12:45	13:45	1.00	5353.00	4	Rotate 32' - 15k - 40 rpm
13:45	14:00	0.25	5353.00	4	Connection / Survey @ 5308' - 82.6° - 269.4°
14:00	15:00	1.00	5384.00	4	Rotate 31' - 15k - 40 rpm
15:00	15:15	0.25	5384.00	4	Connection / Survey @ 5339' - 83.9° - 269.4°
15:15	16:00	0.75	5391.00	4	Slide 07' @ 170°R GTF
16:00	17:00	1.00	5416.00	4	Rotate 25' - 15k - 40 rpm
17:00	17:15	0.25	5416.00	4	Connection / Survey @ 5371' - 84.7° - 269.4°
17:15	18:00	0.75	5422.00	4	Slide 06' @ 180° GTF

COMMENTS

DAILY COST = \$6350
TOTAL COST = \$46,805

CURRENT STATUS Report # 8 12 /2000

Total Depth (ft) :	5645	Casing Depth (ft) :	4120.00	Operator Reps :	John Brooks
Drilled last 24 hrs (ft) :	517	Casing Diameter (in) :	7.000	SSDS Reps :	Alton Stubblefield (8), Steve Martin (4)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
5631.00	84.80	267.80	4666.39	1212.01	N89.90W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 2145.14 ft; Bit # (27.25 hrs), PDM # (43. hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
18:00	19:15	1.25	5448.00	4	R/ 26' - 15k - 50 rpm
19:15	19:30	0.25	5448.00	4	Deviation Survey, 5403' - 83.2° - 270
19:30	20:30	1.00	5481.00	4	R/ 32' - 15k - 50 rpm
20:30	20:45	0.25	5481.00	4	Deviation Survey, 5436' - 81.7° - 269.9
20:45	21:45	1.00	5513.00	4	R/ 32' - 15k - 40 rpm
21:45	22:00	0.25	5513.00	4	Deviation Survey, 5468' - 81.9° - 270
22:00	22:45	0.75	5545.00	4	R/ 32' - 15k - 40 rpm
22:45	23:00	0.25	5545.00	4	Deviation Survey, 5500' - 82.6° - 269.9
23:00	00:00	1.00	5577.00	4	R/ 32' - 15K - 50 RPM
00:00	00:15	0.25	5577.00	4	Deviation Survey, 5532' - 83.2° - 269.9
00:15	01:30	1.25	5609.00	4	R/ 32' - 15k - 50 rpm
01:30	01:45	0.25	5609.00	4	Deviation Survey, 5564' - 83.8° - 269.7
01:45	03:00	1.25	5640.00	4	R/ 31' - 15k - 50 rpm
03:00	03:15	0.25	5640.00	4	Deviation Survey, 5595' - 84.2° - 269.7
03:15	05:00	1.75	5645.00	4	S/ 5' @ 180, not sliding

COMMENTS

DAILY COST = \$6350
TOTAL COST = \$46,805

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Customer : Phillips Petroleum
 Well Name : EVGSAU 0546-038
 Field : East Vacuum Unit
 County : Lea County, NM
 Rig : POOL #801
 Job # : OK-MJ-00098

CURRENT STATUS Report # 9 12/18/2000

Total Depth (ft) : 5671	Casing Depth (ft) : 4120.00	Operator Reps : John Brooks
Drilled last 24 hrs (ft) : 26	Casing Diameter (in) : 7.000	SSDS Reps : Alton Stubblefield (9), Steve Martin (5)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
5663.00	84.20	267.20	4669.45	1243.83	N89.97W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 2145.14 ft; Bit # (40. hrs), PDM # (56.75 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
05:00	06:00	1.00	5671.00	4	Drilling
06:00	07:15	1.25	5671.00	4	Pull 4 stands of DP
07:15	10:00	2.75	5671.00	4	Pump out 12 jts of dp to 5032' MD
10:00	11:30	1.50	5671.00	4	Stuck at 5032' MD
11:30	12:30	1.00	5671.00	4	Pump vis sweeps
12:30	15:30	3.00	5671.00	4	Pump out 8 jts of dp to 4770' MD
15:30	18:30	3.00	5671.00	4	Stuck at 4770' MD
18:30	21:30	3.00	5671.00	4	Back ream to 4733'
21:30	23:15	1.75	5671.00	4	Stuck @ 4733', Spot oil
23:15	00:00	0.75	5671.00	4	Back ream to 4783'
00:00	02:15	2.25	5671.00	4	Back ream to 4583'
02:15	05:00	2.75	5671.00	4	Trip Out, pumping out to csg.

COMMENTS

DAILY COST = \$6350
 TOTAL COST = \$53,155

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

CURRENT STATUS Report # 10 12/19/2000

Total Depth (ft) : 5928	Casing Depth (ft) : 4120.00	Operator Reps : John Brooks
Drilled last 24 hrs (ft) : 257	Casing Diameter (in) : 7.000	SSDS Reps : Alton Stubblefield (10), Steve Martin (6)
Hole Size (in) : 6.125	Casing ID (in) :	

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
5883.00	82.10	267.90	4696.57	1462.00	S89.71W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 2145.14 ft; Bit # (40. hrs), PDM # (56.75 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC
BHA 5: 2149.02 ft; Bit # (9.5 hrs), PDM # (11.5 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
05:00	07:30	2.50	5671.00	4	Trip Out (at Surface)
07:30	07:45	0.25	5671.00	4	LD Motor and MWD
07:45	09:45	2.00	5671.00	4	Waiting on Orders
09:45	10:45	1.00	5671.00	5	PU New Motor, Bit and MWD / Test
10:45	15:30	4.75	5671.00	5	Trip In
15:30	15:45	0.25	5676.00	5	Rotate 05' - 08k - 40 rpm
15:45	16:00	0.25	5676.00	5	Connection / Survey @ 5631' - 84.8° - 267.8°
16:00	16:15	0.25	5679.00	5	Slide 03' @ 160°R GTF
16:15	17:45	1.50	5708.00	5	Rotate 29' - 10k - 40 rpm
17:45	18:00	0.25	5708.00	5	Connection / Survey @ 5663' - 84.2° - 267.2°
18:00	18:45	0.75	5713.00	5	S/ 5' @ 140R
18:45	19:45	1.00	5740.00	5	R/ 27' - 15k - 50 rpm
19:45	20:00	0.25	5740.00	5	Deviation Survey, 5695' - 84.5° - 267.4
20:00	20:15	0.25	5745.00	5	S/ 5' @ 160R
20:15	21:30	1.25	5772.00	5	R/ 27' - 15k - 50 rpm
21:30	21:45	0.25	5772.00	5	Deviation Survey, 5727' - 83.2° - 268.3
21:45	23:00	1.25	5804.00	5	R/ 32' - 20k - 50 rpm
23:00	23:15	0.25	5804.00	5	Deviation Survey, 5759' - 82.6° - 268.1
23:15	00:00	0.75	5836.00	5	R/ 32' - 20k - 50 rpm
00:00	00:15	0.25	5836.00	5	Deviation Survey, 5791' - 82.4° - 268.3
00:15	01:00	0.75	5867.00	5	R/ 31' - 20k - 50 rpm
01:00	01:15	0.25	5867.00	5	Deviation Survey, 5822' - 82.3° - 267.8

COMMENTS

DAILY COST = \$7075
TOTAL COST = \$60,292

CURRENT STATUS Report # 10 12 2000

Total Depth (ft) :	5928	Casing Depth (ft) :	4120.00	Operator Reps :	John Brooks
Drilled last 24 hrs (ft) :	257	Casing Diameter (in) :	7.000	SSDS Reps :	Alton Stubblefield (10), Steve Martin (6)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
5883.00	82.10	267.90	4696.57	1462.00	S89.71W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)

BHA SUMMARY

BHA 4: 2145.14 ft; Bit # (40. hrs), PDM # (56.75 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC
 BHA 5: 2149.02 ft; Bit # (9.5 hrs), PDM # (11.5 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lb/100ft ³)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
01:15	02:00	0.75	5899.00	5	R/ 32' - 20k - 50 rpm
02:00	02:15	0.25	5899.00	5	Deviation Survey, 5854' - 82.2° - 267.8
02:15	03:00	0.75	5928.00	5	R/ 29' - 20k - 50 rpm
03:00	04:30	1.50	5928.00	5	Circulate
04:30	05:00	0.50	5928.00	5	Trip Out, pump 56jts DP out, to csg

COMMENTS

DAILY COST = \$7075
 TOTAL COST = \$60,292

sperry-sun

DRILLING SERVICES

Daily Drilling Report

Customer : Phillips Petroleum
 Well Name : EVGSAU 0546-038
 Field : East Vacuum Unit
 County : Lea County, NM
 Rig : POOL #801
 Job # : OK-MJ-00098

CURRENT STATUS Report # 11 12/20/2000

Total Depth (ft) :	5928	Casing Depth (ft) :	4120.00	Operator Reps :	John Brooks
Drilled last 24 hrs (ft) :	0	Casing Diameter (in) :	7.000	SSDS Reps :	Alton Stubblefield (11), Steve Martin (7)
Hole Size (in) :	6.125	Casing ID (in) :			

LAST SURVEY

Depth (ft)	Inclination	Azimuth	TVD (ft)	Displ (ft)	Direction
5883.00	82.10	267.90	4696.57	1462.00	S89.71W

LAST FORMATION TOP

Formation Name	MD Top (ft)	TVD Top (ft)
----------------	-------------	--------------

BHA SUMMARY

BHA 5: 2149.02 ft; Bit # (9.5 hrs), PDM # (15.5 hrs), Sub, Sub, MWD, 1x Flex, DP (S), 10x DC

MUD DATA

Type	Weight (ppg)	FV (sec)	PV (cp)	YP (lbf/100ft ²)	Gels	Fluid Loss	pH	Solids (%)	Sand (%)	Oil (%)
------	--------------	----------	---------	------------------------------	------	------------	----	------------	----------	---------

TIME BREAKDOWN

From	To	Hours	TMD (ft)	BHA #	Activity
05:00	09:00	4.00	5928.00	5	Trip Out, pump 56jts DP out, to csg
09:00	14:00	5.00	5928.00	5	Trip Out (at Surface)
14:00	14:30	0.50	5928.00	5	LD BHA

COMMENTS

DAILY COST = \$6350
 TOTAL COST = \$66,642

sperry-sun

DRILLING SERVICES

BHA Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

BHA# 1

BHA# 1 : Date In : 12/12/200 MD In (ft) : 4204 TVD In (ft) : 4204 Date Out : 12/14/200 MD Out (ft) : 4511 TVD Out (ft) : 4479

BIT DATA

Bit #	OD (in)	MFR	Style	Serial#	Nozzles (/32's)	TFA (in ²)	Dull Condition
6.125		Security	XS-31	738495	3x14	0.451	

MOTOR DATA

Run #	OD (in)	MFR	Model	Serial#	Bend	Nzl (/32's)	Avg Dif (psi)	Cum Circ Hrs
1	4.750	SSDS	SperryDrill	475157	2.12°		122	32.00

COMPONENT DATA

Item #	Description	Serial #	OD (in)	ID (in)	Gauge (in)	Weight (lbs/ft)	Top Con	Length (ft)	Bit - Center Blade (ft)
1	SEC XS-31	738495	6.125				P 3-1/2" Reg	0.60	
2	4-3/4" SperryDrill Lobe 7/8 - 2.2 stg	475157	4.750	2.901		37.87	B 3-1/2" IF	19.70	
3	Float Sub	9522	4.625	1.500		51.23	B 3-1/2" IF	1.60	
4	Cross Over Sub	25	4.750	2.625		41.95	P 3-1/2" IF	2.04	
5	DGWD SlimHole	86573	4.750	2.813		39.21	B 3-1/2" IF	31.22	
6	1x Non-Mag Flex Drill Collar	C-821	4.750	2.250		46.84	B 3-1/2" IF	30.02	
7	1x Non-Mag Flex Drill Collar	HAL-25	4.750	2.250		46.84	B 3-1/2" IF	30.85	
8	20 DP (S) - NC40(FH) - 13.30#		3.500	2.764		15.04	B 3-1/2" IF	639.58	
9	10x Drill collar		4.750	2.500		44.00	B 3-1/2" IF	299.75	
								1055.36	

Parameter	Min	Max	Ave
WOB (klbs) :	1	18	13
RPM (rpm) :			
Flow (gpm) :	200	200	200
SPP (psi) :	825	975	967

Activity	Hrs
Drilling :	31.25
Reaming :	0.00
Circ-Other :	0.75
Total :	32.00

BHA Weight (lb)
in Air (Total) :
in Mud (Total) :
in Air (Bel Jars) :
in Mud (Bel Jars) :

Drill String	OD(in)	Len(ft)

PERFORMANCE

	In	Out
Inclination (deg)	1.45	44.46
Azimuth (deg)	286.75	268.84

	Distance (ft)	ROP (ft/hr)	Build (°/100")	Turn (°/100")	DLS (°/100")
Oriented :	307.00	10			14.03
Rotated :	0.00	0			
Total :	307.00	10	14.01	-5.83	14.03

COMMENTS

Motor Serial # : 475157 Job # : OK-MJ-00098
 Directional Driller(s) : Larry Wilson, Alton Stubblefield Customer : Phillips Petroleum
 Location : Lea County, NM Rig : POOL #801
 Well Name : EVGSAU 0546-038 Bit Run # : BHA # : 1 Motor Run # : 1
 Depth In/Out : 4204 / 4511 ft Date In/Out : 12/12/2000 / 12/14/2000 Hole Size : 6.125 in
 Application Details :

MOTOR CONFIGURATION

	From Bit (ft)	Component	Type	Diam In/Out (in)
Upr Stab	1	Sleeve Stab/Pad	No	
	2	Bent Housing	Yes	Non-Adjustable: 2.12" bend
Lwr Stab or Pad Sub	3	Housing Tool Used	No	
Motor Tool	4	Stator Elastomer		
Pad	5	Bent Sub / 2nd Bent Hsg	No	
Bend (Housing)	6	Lower String Stab	No	
	7	Upper String Stab	No	
Sleeve Tool	Additional Features :			Arr Ret
	Flex Collar : No	Short Brg Pack : No	Rtr Noz / Size : /32 s	Pick Up Sub : No No
	Brg Cfg (Off/On) :	Lobe Cfg :	BHA OD/ID : 4.625 / 1.500 in	Bit Box Protr : No No

MOTOR RUN DATA

Max Dogleg While Rotating	: %/100'	RPM	:	Motor Stalled	: No	Prev Job/Well Hrs	: 0.00
Max Dogleg Overpulled In	: %/100'	Force	: lbf	Float Valve	: No	Drilling Hrs	: 31.25
Max Dogleg Pushed Through	: %/100'	Force	: lbf	DP Filter	: No	Circ Hrs	: 0.75
Hole Azimuth Start / End	: 286.75° / 268.84°	Inc Start / End	: 1.45° / 44.46°			Reaming Hrs	: 0.00
Interval Oriented / Rot.	: 307 / 0 ft	Directional Perf Ori / Rot	: 14.03 / %/100'			Total Hrs This Run	: 32.00
Jarring Occured	: No					New Cumulative Hrs	: 32.00
Diff Press	(psi)	Str RPM		Rotn Torque	(ft-lbs)	Drag Up/Dn	(lbf)
WOB	(klbs)	ROP Oriented	(ft/hr)	ROP Rotated	(ft/hr)		
Avg	: 122			/	13	10	0
Max	: 150			/	18	25	

PRE-RUN TESTS

Motor Tested Pre-Run	: No	with :	
Dump Sub Operating	: N/A	Brg Play	: mm
Flow 1	: gpm	Pressure 1	: psi
Flow 2	: gpm	Pressure 2	: psi
Driveshaft Rotation Observed	: No		
Bearing Leakage Observed	: No		

POST-RUN TESTS

Motor Tested Post-Run	: No	with :	
Dump Sub Operating	: N/A	Brg Play	: mm
Flow 1	: gpm	Pressure 1	: psi
Flow 2	: gpm	Pressure 2	: psi
Driveshaft Rotation Observed	: No		
Bearing Leakage Observed	: No		
Driveshaft Rotated to Drain Mud	: No		
Fluid Flushed	: No	Fluid Used :	

MUD DATA

Base :	Additives :	Mud Wt : ppg	SPP Start/End : 825 / 975 psi
% Oil/Water :	% Solids :	% Sand :	PV : cp
DH Temp Avg/Max : /	FlowRate Avg/Max : 200 / 200 gpm	YP : lbf/100ft²	pH :
Principle Formation Name(s) :		Chloride Content : ppm	Lithology :

BIT DATA

Make : Security	Type : XS-31	Serial # : 738495	Dull Grade	1	2	3	4	5	6	7	8
Prev Drilling Hrs : 0.00	Prev Reaming Hrs : 0.00	No of Runs This Bit : 1	In								
Jet Sizes (/32's) : 3x14	TFA : 0.451 in²	Gage Length : in	Out								

PERFORMANCE COMMENTS

Problem Perceived : No	Problem Date :	Service Interrupt : No	Service Interrupt Hrs :
Performance Motor : No	Tandem Motor : No	LIH : No	PPR Ref # :
Customer Representative's Signature (optional) :			
Date:			

sperry-sun

DRILLING SERVICES

BHA Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

BHA# 2

BHA# 2 : Date In : 12/14/200 MD In (ft) : 4511 TVD In (ft) : 4479 Date Out : 12/15/200 MD Out (ft) : 4618 TVD Out (ft) : 4534

BIT DATA

Bit #	OD (in)	MFR	Style	Serial#	Nozzles (/32's)	TFA (in ²)	Dull Condition
6.125		Security	XS-31	738495	3x14	0.451	

MOTOR DATA

Run #	OD (in)	MFR	Model	Serial#	Bend	Nzl (/32's)	Avg Dif (psi)	Cum Circ Hrs
4.750		SSDS	SperryDrill	475-OK004	2.57°		109	5.25

COMPONENT DATA

Item #	Description	Serial #	OD (in)	ID (in)	Gauge (in)	Weight (lbs/ft)	Top Con	Length (ft)	Bit - Center Blade (ft)
1	SEC XS-31	738495	6.125				P 3-1/2" Reg	0.60	
2	4-3/4" SperryDrill Lobe 7/8 - 2.2 stg	475-OK004	4.750	2.901		37.87	B 3-1/2" IF	18.00	
3	Float Sub	9522	4.625	1.500		51.23	B 3-1/2" IF	1.60	
4	Cross Over Sub	25	4.750	2.625		41.95	P 3-1/2" IF	2.04	
5	DGWD SlimHole	86573	4.750	2.813		39.21	B 3-1/2" IF	31.22	
6	1x Non-Mag Flex Drill Collar	C-821	4.750	2.250		46.84	B 3-1/2" IF	30.02	
7	20 DP (S) - NC40(FH) - 13.30#		3.500	2.764		15.04	B 3-1/2" IF	639.58	
8	10x Drill collar		4.750	2.500		44.00	B 3-1/2" IF	299.75	
								1022.81	

Parameter	Min	Max	Ave
WOB (klbs) :	18	25	22
RPM (rpm) :			
Flow (gpm) :	200	200	200
SPP (psi) :	975	1100	1053

Activity	Hrs
Drilling :	3.50
Reaming :	0.25
Circ-Other :	1.50
Total :	5.25

BHA Weight (lb)
in Air (Total) :
in Mud (Total) :
in Air (Bel Jars) :
in Mud (Bel Jars) :

Drill String	OD(in)	Len (ft)
DP(S)-NC38(IF)-13.30#	3.500	3595

PERFORMANCE

	In	Out
Inclination (deg)	44.46	71.75
Azimuth (deg)	268.84	275.06

	Distance (ft)	ROP (ft/hr)	Build (°/100')	Turn (°/100')	DLS (°/100')
Oriented :	107.00	31			
Rotated :	0.00	0			
Total :	107.00	31	25.50	5.81	25.96

COMMENTS

BUILD 21°/100'

Motor Serial # : 475-OK004	Job # : OK-MJ-00098
Directional Driller(s) : Alton Stubblefield, Steve Martin	Customer : Phillips Petroleum
Location : Lea County, NM	Rig : POOL #801
Well Name : EVGSAU 0546-038	Bit Run # : BHA # : 2
Depth In/Out : 4511 / 4618 ft	Date In/Out : 12/14/2000 / 12/15/2000
Application Details : Horizontal	Motor Run # : Hole Size : 6.125 in

MOTOR CONFIGURATION

	From Bit (ft)	Component	Type	Diam In/Out (in)
Upr Stab	1	Sleeve Stab/Pad	No	
	2	Bent Housing	Yes	Adjustable: 2.57° bend
Lwr Stab or Pad Sub	3	Housing Tool Used	No	
Motor Top	4	Stator Elastomer		
Pad	5	Bent Sub / 2nd Bent Hsg	No	
Bend (Housing)	6	Lower String Stab	No	
	7	Upper String Stab	No	
Sleeve Tool				
Additional Features :				Arr Ret
Flex Collar : No Short Brg Pack : No Rtr Noz / Size : /32's				Pick Up Sub : Yes No
Brg Cfg (Off/On) : Lobe Cfg : BHA OD/ID : 4.625 / 1.500 in				Bit Box Protr : Yes No

MOTOR RUN DATA

Max Dogleg While Rotating : %/100'	RPM :	Motor Stalled : Yes	Prev Job/Well Hrs : 0.00
Max Dogleg Overpulled In : %/100'	Force : lbf	Float Valve : No	Drilling Hrs : 3.50
Max Dogleg Pushed Through : %/100'	Force : lbf	DP Filter : No	Circ Hrs : 1.50
Hole Azimuth Start / End : 268.84° / 275.06°	Inc Start / End : 44.46° / 71.75°		Reaming Hrs : 0.25
Interval Oriented / Rot. : 107 / 0 ft	Directional Perf Ori / Rot : / %/100'		Total Hrs This Run : 5.25
Jarring Occured : No			New Cumulative Hrs : 5.25
Diff Press (psi)	Str RPM	Rotn Torque (ft-lbs)	Drag Up/Dn (lbf)
Avg : 109			WOB (klbs)
Max : 125			ROP Oriented (ft/hr)
			ROP Rotated (ft/hr)

PRE-RUN TESTS

Motor Tested Pre-Run : No	with :
Dump Sub Operating : N/A	Brg Play : mm
Flow 1 : gpm	Pressure 1 : psi
Flow 2 : gpm	Pressure 2 : psi
Driveshaft Rotation Observed : No	
Bearing Leakage Observed : No	

POST-RUN TESTS

Motor Tested Post-Run : No	with :
Dump Sub Operating : N/A	Brg Play : mm
Flow 1 : gpm	Pressure 1 : psi
Flow 2 : gpm	Pressure 2 : psi
Driveshaft Rotation Observed : No	
Bearing Leakage Observed : No	
Driveshaft Rotated to Drain Mud : No	
Fluid Flushed : No	Fluid Used :

MUD DATA

Base :	Additives :	Mud Wt : ppg	SPP Start/End : 975 / 1100 psi
% Oil/Water :	% Solids :	% Sand :	PV : cp
DH Temp Avg/Max : /	FlowRate Avg/Max : 200 / 200 gpm	YP : lbf/100ft²	pH :
Principle Formation Name(s) :		Chloride Content : ppm	Lithology :

BIT DATA

Make : Security	Type : XS-31	Serial # : 738495	Dull Grade	1	2	3	4	5	6	7	8
Prev Drilling Hrs : 31.25	Prev Reaming Hrs : 0.00	No of Runs This Bit : 2	In	2	2	WT	A	E	I	SD	BHA
Jet Sizes (/32's) : 3x14	TFA : 0.451 in²	Gage Length : in	Out								

PERFORMANCE COMMENTS

Problem Perceived : No	Problem Date :	Service Interrupt : No	Service Interrupt Hrs :
Performance Motor : No	Tandem Motor : No	LIH : No	PPR Ref # :

Customer Representative's Signature (optional) : _____ Date: _____

sperry-sun

DRILLING SERVICES

BHA Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

BHA# 3

BHA# 3 : Date In :12/15/200 MD In (ft) : 4618 TVD In (ft) : 4534 Date Out 12/16/200 MD Out (ft) : 4963 TVD Out (ft) : 4578

BIT DATA

Bit #	OD (in)	MFR	Style	Serial#	Nozzles (/32's)	TFA (in ²)	Dull Condition
6.125		Security	XS-31	739660	3x14	0.451	

MOTOR DATA

Run #	OD (in)	MFR	Model	Serial#	Bend	Nzl (/32's)	Avg Dif (psi)	Cum Circ Hrs
4.750		SSDS	SperryDrill	47021	1.69°		66	15.75

COMPONENT DATA

Item #	Description	Serial #	OD (in)	ID (in)	Gauge (in)	Weight (lbs/ft)	Top Con	Length (ft)	Bit - Center Blade (ft)
1	SEC XS-31	739660	6.125				P 3-1/2" Reg	0.60	
2	4-3/4" SperryDrill Lobe 7/8 - 2.2 stg	47021	4.750	2.901		37.87	B 3-1/2" IF	17.18	
3	Float Sub	9522	4.625	1.500		51.23	B 3-1/2" IF	1.60	
4	Cross Over Sub	25	4.750	2.625		41.95	P 3-1/2" IF	2.04	
5	DGWD SlimHole	86573	4.750	2.813		39.21	B 3-1/2" IF	31.22	
6	1x Non-Mag Flex Drill Collar	C-821	4.750	2.250		46.84	B 3-1/2" IF	30.02	
7	55 DP (S) - NC40(FH) - 13.30#13.30#		3.500	2.764		15.04	B 3-1/2" IF	1762.73	
8	10x Drill collar		4.750	2.500		44.00	B 3-1/2" IF	299.75	
								2145.14	

Parameter	Min	Max	Ave
WOB (klbs) :	15	35	19
RPM (rpm) :	32	50	40
Flow (gpm) :	190	200	192
SPP (psi) :	925	1100	1040

Activity	Hrs
Drilling :	15.50
Reaming :	0.25
Circ-Other :	0.00
Total :	15.75

BHA Weight	(lb)
in Air (Total) :	
in Mud (Total) :	
in Air (Bel Jars) :	0
in Mud (Bel Jars) :	

Drill String	OD(in)	Len (ft)

PERFORMANCE

	In	Out
Inclination (deg)	71.75	82.77
Azimuth (deg)	275.06	270.38

	Distance (ft)	ROP (ft/hr)	Build (°/100')	Turn (°/100')	DLS (°/100')
Oriented :	156.00	20			
Rotated :	189.00	24			
Total :	345.00	22	3.20	-1.36	3.46

COMMENTS

Motor Serial # : 47021 **Job # :** OK-MJ-00098
Directional Driller(s) : Alton Stubblefield, Steve Martin **Customer :** Phillips Petroleum
Location : Lea County, NM **Rig :** POOL #801
Well Name : EVGSAU 0546-038 **Bit Run # :** **BHA # :** 3 **Motor Run # :**
Depth In/Out : 4618 / 4963 ft **Date In/Out :** 12/15/2000 / 12/16/2000 **Hole Size :** 6.125 in
Application Details :

MOTOR CONFIGURATION

	From Bit (ft)	Component	Type	Diam In/Out (in)
Upr Stab	1	Sleeve Stab/Pad	No	
	2	Bent Housing	Yes	Adjustable: 1.69° bend
Lwr Stab or Pad Sub	3	Housing Tool Used	No	
Motor Top	4	Stator Elastomer		
Pad	5	Bent Sub / 2nd Bent Hsg	No	
Bend (Housing)	6	Lower String Stab	No	
	7	Upper String Stab	No	
Sleeve Tool				
Additional Features :				Arr Ret
Flex Collar : No				Pick Up Sub : No No
Short Brg Pack : No				Bit Box Protr : No No
Rtr Noz / Size : /32's				
Brg Cfg (Off/On) : Lobe Cfg :				
BHA OD/ID : 4.625 / 1.500 in				

MOTOR RUN DATA

Max Dogleg While Rotating		: %/100'	RPM	:	Motor Stalled	: No	Prev Job/Well Hrs		: 0.00				
Max Dogleg Overpulled In		: %/100'	Force	:	lbf	Float Valve	: No	Drilling Hrs		: 15.50			
Max Dogleg Pushed Through		: %/100'	Force	:	lbf	DP Filter	: No	Circ Hrs		: 0.00			
Hole Azimuth Start / End		: 275.06° / 270.38°	Inc Start / End		: 71.75° / 82.77°	Reaming Hrs		: 0.25					
Interval Oriented / Rot.		: 156 / 189 ft	Directional Perf Ori / Rot		: / %/100'	Total Hrs This Run		: 15.75					
Jarring Occured		: No				New Cumulative Hrs		: 15.75					
	Diff Press	(psi)	Str RPM	Rotn Torque	(ft-lbs)	Drag Up/Dn	(lbf)	WOB	(klbs)	ROP Oriented	(ft/hr)	ROP Rotated	(ft/hr)
Avg :	66		40		/		19		20		24		
Max :	125		50		/		35		42		32		

PRE-RUN TESTS

Motor Tested Pre-Run	: No	with :	
Dump Sub Operating	: N/A	Brg Play	: mm
Flow 1	: gpm	Pressure 1	: psi
Flow 2	: gpm	Pressure 2	: psi
Driveshaft Rotation Observed	: No		
Bearing Leakage Observed	: No		

POST-RUN TESTS

Motor Tested Post-Run	: No	with :	
Dump Sub Operating	: N/A	Brg Play	: mm
Flow 1	: gpm	Pressure 1	: psi
Flow 2	: gpm	Pressure 2	: psi
Driveshaft Rotation Observed	: No		
Bearing Leakage Observed	: No		
Driveshaft Rotated to Drain Mud	: No		
Fluid Flushed	: No	Fluid Used	:

MUD DATA

Base :	Additives :	Mud Wt :	ppg	SPP Start/End :	925 / 1100	psi	
% Oil/Water :	% Solids :	% Sand :	PV :	cp	YP :	lbf/100R²	pH :
DH Temp Avg/Max :	/	FlowRate Avg/Max :	192 / 200	gpm	Chloride Content :	ppm	
Principle Formation Name(s) :		Lithology :					

BIT DATA

Make : Security	Type : XS-31	Serial # : 739660	Dull Grade	1	2	3	4	5	6	7	8
Prev Drilling Hrs : 0.00	Prev Reaming Hrs : 0.00	No of Runs This Bit : 1	In								
Jet Sizes (/32's) : 3x14	TFA : 0.451 in²	Gage Length : in	Out								

PERFORMANCE COMMENTS

Problem Perceived	: No	Problem Date	:	Service Interrupt	: No	Service Interrupt Hrs	:
Performance Motor	: No	Tandem Motor	: No	LIH	: No	PPR Ref #	:

Customer Representative's Signature (optional) :

Date:

sperry-sun

DRILLING SERVICES

BHA Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

BHA# 4

BHA# 4 : Date In :12/16/200 MD In (ft) : 4963 TVD In (ft) : 4578 Date Out 12/19/200 MD Out (ft) : 5671 TVD Out (ft) : 4670

BIT DATA

Bit #	OD (in)	MFR	Style	Serial#	Nozzles (/32's)	TFA (in ²)	Dull Condition
6.125		Security	XS-31	739695	3x14	0.451	

MOTOR DATA

Run #	OD (in)	MFR	Model	Serial#	Bend	Nzl (/32's)	Avg Dif (psi)	Cum Circ Hrs
4.750		SSDS	SperryDrill	47021	1.69°		89	56.75

COMPONENT DATA

Item #	Description	Serial #	OD (in)	ID (in)	Gauge (in)	Weight (lbs/ft)	Top Con	Length (ft)	Bit - Center Blade (ft)
1	SEC XS-31	739695	6.125				P 3-1/2" Reg	0.60	
2	4-3/4" SperryDrill Lobe 7/8 - 2.2 stg	47021	4.750	2.901		37.87	B 3-1/2" IF	17.18	
3	Float Sub	9522	4.625	1.500		51.23	B 3-1/2" IF	1.60	
4	Cross Over Sub	25	4.750	2.625		41.95	P 3-1/2" IF	2.04	
5	DGWD SlimHole	86573	4.750	2.813		39.21	B 3-1/2" IF	31.22	
6	1x Non-Mag Flex Drill Collar	C-821	4.750	2.250		46.84	B 3-1/2" IF	30.02	
7	55 DP (S) - NC40(FH) - 13.30#13.30#		3.500	2.764		15.04	B 3-1/2" IF	1762.73	
8	10x Drill collar		4.750	2.500		44.00	B 3-1/2" IF	299.75	
								2145.14	

Parameter	Min	Max	Ave	Activity	Hrs	BHA Weight (lb)	Drill String	OD(in)	Len (ft)
WOB (klbs) :	14	35	16	Drilling :	27.75	in Air (Total) :	DP(S)-NC38(IF)-13.30#	3.500	3526
RPM (rpm) :	40	50	45	Reaming :	12.25	in Mud (Total) :			
Flow (gpm) :	190	190	190	Circ-Other :	1.00	in Air (Bel Jars) :			
SPP (psi) :	1080	1150	1101	Total :	41.00	in Mud (Bel Jars) :			

PERFORMANCE

	In	Out	Distance(ft)	ROP (ft/hr)	Build (°/100')	Turn (°/100')	DLS (°/100')
Inclination (deg)	82.77	84.27	Oriented :	73.00	9		
Azimuth (deg)	270.38	267.28	Rotated :	635.00	27		
			Total :	708.00	26	0.21	-0.44
							0.48

COMMENTS

Motor Serial # : 47021	Job # : OK-MJ-00098
Directional Driller(s) : Alton Stubblefield, Steve Martin	Customer : Phillips Petroleum
Location : Lea County, NM	Rig : POOL #801
Well Name : EVGSAU 0546-038	Bit Run # : BHA # : 4
Depth In/Out : 4963 / 5671 ft	Date In/Out : 12/16/2000 / 12/19/2000
Application Details :	Motor Run # : Hole Size : 6.125 in

MOTOR CONFIGURATION

	From Bit (ft)	Component	Type	Diam In/Out (in)
Upr Stab	1	Sleeve Stab/Pad	No	
	2	Bent Housing	Yes	Adjustable: 1.69° bend
Lwr Stab or Pad Sub	3	Housing Tool Used	No	
Motor Top	4	Stator Elastomer		
Pad	5	Bent Sub / 2nd Bent Hsg	No	
Bend (Housing)	6	Lower String Stab	No	
Sleeve Tool	7	Upper String Stab	No	
Additional Features :				Arr Ret
Flex Collar : No				Pick Up Sub : No No
Short Brg Pack : No				Bit Box Protr : No No
Rtr Noz / Size : /32's				
Brg Cfg (Off/On) : Lobe Cfg :				BHA OD/ID : 4.625 / 1.500 in

MOTOR RUN DATA

Max Dogleg While Rotating	: °/100'	RPM	:	Motor Stalled	: No	Prev Job/Well Hrs	: 15.75
Max Dogleg Overpulled In	: °/100'	Force	: lbf	Float Valve	: No	Drilling Hrs	: 27.75
Max Dogleg Pushed Through	: °/100'	Force	: lbf	DP Filter	: No	Circ Hrs	: 1.00
Hole Azimuth Start / End	: 270.38° / 267.28°	Inc Start / End	: 82.77° / 84.27°			Reaming Hrs	: 12.25
Interval Oriented / Rot.	: 73 / 635 ft	Directional Perf Ori / Rot	: / °/100'			Total Hrs This Run	: 41.00
Jarring Occured	: No					New Cumulative Hrs	: 56.75
Diff Press	(psi)	Str RPM	Rotn Torque (ft-lbs)	Drag Up/Dn (lbf)	WOB (klbs)	ROP Oriented (ft/hr)	ROP Rotated (ft/hr)
Avg	: 89	45		/	16	9	27
Max	: 100	50		/	35	16	42

PRE-RUN TESTS

Motor Tested Pre-Run :	No	with :
Dump Sub Operating :	N/A	Brg Play : mm
Flow 1 : gpm	Pressure 1 : psi	
Flow 2 : gpm	Pressure 2 : psi	
Driveshaft Rotation Observed :	No	
Bearing Leakage Observed :	No	

POST-RUN TESTS

Motor Tested Post-Run :	No	with :
Dump Sub Operating :	N/A	Brg Play : mm
Flow 1 : gpm	Pressure 1 : psi	
Flow 2 : gpm	Pressure 2 : psi	
Driveshaft Rotation Observed :	No	
Bearing Leakage Observed :	No	
Driveshaft Rotated to Drain Mud :	No	
Fluid Flushed :	No	Fluid Used :

MUD DATA

Base :	Additives :	Mud Wt : ppg	SPP Start/End : 1100 / 1150 psi
% Oil/Water :	% Solids :	% Sand :	PV : cp
DH Temp Avg/Max : /	FlowRate Avg/Max : 190 / 190 gpm	YP : lbf/100ft²	pH :
Principle Formation Name(s) :		Chloride Content : ppm	Lithology :

BIT DATA

Make : Security	Type : XS-31	Serial # : 739695	Dull Grade	1	2	3	4	5	6	7	8
Prev Drilling Hrs : 0.00	Prev Reaming Hrs : 0.00	No of Runs This Bit : 1	In	2	2	WT	A	E	1	NO	TQ
Jet Sizes (/32's) : 3x14	TFA : 0.451 in²	Gage Length : in	Out								

PERFORMANCE COMMENTS

Problem Perceived : No	Problem Date :	Service Interrupt : No	Service Interrupt Hrs :
Performance Motor : No	Tandem Motor : No	LIH : No	PPR Ref # :

Customer Representative's Signature (optional) : _____ Date: _____

sperry-sun

DRILLING SERVICES

BHA Report

Customer : Phillips Petroleum
Well Name : EVGSAU 0546-038
Field : East Vacuum Unit
County : Lea County, NM
Rig : POOL #801
Job # : OK-MJ-00098

BHA# 5

BHA# 5 : Date In : 12/19/200 MD In (ft) : 5671 TVD In (ft) : 4670 Date Cur : 12/20/200 MD Cur (ft) : 5928 TVD Cur (ft) : 4703

BIT DATA

Bit #	OD (in)	MFR	Style	Serial#	Nozzles (/32's)	TFA (in ²)	Dull Condition
6.125		Security	XS-31	739694	3x14	0.451	

MOTOR DATA

Run #	OD (in)	MFR	Model	Serial#	Bend	Nzl (/32's)	Avg Dif (psi)	Cum Circ Hrs
4.750		SSDS	SperryDrill	SLS47023	1.50°		100	15.50

COMPONENT DATA

Item #	Description	Serial #	OD (in)	ID (in)	Gauge (in)	Weight (lbs/ft)	Top Con	Length (ft)	Bit - Center Blade (ft)
1	SEC XS-31	739694	6.125				P 3-1/2" Reg	0.60	
2	Dyna Drill Slo Speed	SLS47023	4.750	2.901		37.87	B 3-1/2" IF	21.06	
3	Float Sub	9522	4.625	1.500		51.23	B 3-1/2" IF	1.60	
4	Cross Over Sub	25	4.750	2.625		41.95	P 3-1/2" IF	2.04	
5	DGWD SlimHole	86573	4.750	2.813		39.21	B 3-1/2" IF	31.22	
6	1x Non-Mag Flex Drill Collar	C-821	4.750	2.250		46.84	B 3-1/2" IF	30.02	
7	55 DP (S) - NC40(FH) - 13.30#13.30#		3.500	2.764		15.04	B 3-1/2" IF	1762.73	
8	10x Drill collar		4.750	2.500		44.00	B 3-1/2" IF	299.75	
								2149.02	

Parameter	Min	Max	Ave	Activity	Hrs	BHA Weight (lb)	Drill String	OD(in)	Len (ft)
WOB (klbs) :	10	20	17	Drilling :	9.50	in Air (Total) :			
RPM (rpm) :	50	50	50	Reaming :	0.00	in Mud (Total) :			
Flow (gpm) :	190	220	208	Circ-Other :	6.00	in Air (Bel Jars) :	0		
SPP (psi) :	1150	1430	1320	Total :	15.50	in Mud (Bel Jars) :			

PERFORMANCE

	In	Out	Distance(ft)	ROP (ft/hr)	Build (°/100')	Turn (°/100')	DLS (°/100')
Inclination (deg)	84.27	81.94	Oriented :	13.00	13		
Azimuth (deg)	267.28	268.06	Rotated :	244.00	28		
			Total :	257.00	27	-0.91	0.30
							0.96

COMMENTS

Motor Serial # : SLS47023 **Job # :** OK-MJ-00098
Directional Driller(s) : Alton Stubblefield, Steve Martin **Customer :** Phillips Petroleum
Location : Lea County, NM **Rig :** POOL #801
Well Name : EVGSAU 0546-038 **Bit Run # :** **BHA # :** 5 **Motor Run # :**
Depth In/Out : 5671 / 5928 ft **Date In/Out :** 12/19/2000 / 12/20/2000 **Hole Size :** 6.125 in
Application Details :

MOTOR CONFIGURATION

	From Bit (ft)	Component	Type	Diam In/Out (in)
Upr Stab	1	Sleeve Stab/Pad	No	
	2	Bent Housing	Yes	Adjustable: 1.50° bend
Lwr Stab or Pad Sub	3	Housing Tool Used	No	
Motor Top	4	Stator Elastomer		
Pad	5	Bent Sub / 2nd Bent Hsg	No	
Bend (Housing)	6	Lower String Stab	No	
	7	Upper String Stab	No	
Sleeve Tool				
Additional Features :				Arr Ret
Flex Collar : No Short Brg Pack : No Rtr Noz / Size : /32's				Pick Up Sub : Yes No
Brg Cfg (Off/On) : Lobe Cfg : 5/6 BHA OD/ID : 4.625 / 1.500 in				Bit Box Protr : Yes No

MOTOR RUN DATA

Max Dogleg While Rotating		: %/100'	RPM	:	Motor Stalled	: No	Prev Job/Well Hrs	: 0.00						
Max Dogleg Overpulled In		: %/100'	Force	:	Float Valve	: No	Drilling Hrs	: 9.50						
Max Dogleg Pushed Through		: %/100'	Force	:	DP Filter	: No	Circ Hrs	: 6.00						
Hole Azimuth Start / End		: 267.28° / 268.06°	Inc Start / End		: 84.27° / 81.94°	Reaming Hrs			: 0.00					
Interval Oriented / Rot.		: 13 / 244 ft	Directional Perf Ori / Rot		: / %/100'	Total Hrs This Run			: 15.50					
Jarring Occured		: No					New Cumulative Hrs		: 15.50					
	Diff Press	(psi)	Str RPM		Rotn Torque	(ft-lbs)	Drag Up/Dn	(lbf)	WOB	(kibs)	ROP Oriented	(ft/hr)	ROP Rotated	(ft/hr)
Avg	:	100		50			/		17		13		28	
Max	:	100		50			/		20		15		35	

PRE-RUN TESTS

Motor Tested Pre-Run : No **with :**
Dump Sub Operating : N/A **Brg Play :** mm
Flow 1 : gpm **Pressure 1 :** psi
Flow 2 : gpm **Pressure 2 :** psi
Driveshaft Rotation Observed : No
Bearing Leakage Observed : No

POST-RUN TESTS

Motor Tested Post-Run : No **with :**
Dump Sub Operating : N/A **Brg Play :** mm
Flow 1 : gpm **Pressure 1 :** psi
Flow 2 : gpm **Pressure 2 :** psi
Driveshaft Rotation Observed : No
Bearing Leakage Observed : No
Driveshaft Rotated to Drain Mud : No
Fluid Flushed : No **Fluid Used :**

MUD DATA

Base : **Additives :** **Mud Wt :** ppg **SPP Start/End :** 1150 / 1430 psi
% Oil/Water : **% Solids :** **% Sand :** **PV :** cp **YP :** lbf/100ft² **pH :**
DH Temp Avg/Max : / **FlowRate Avg/Max :** 208 / 220 gpm **Chloride Content :** ppm
Principle Formation Name(s) : **Lithology :**

BIT DATA

Make : Security	Type : XS-31	Serial # : 739694	Dull Grade	1	2	3	4	5	6	7	8
Prev Drilling Hrs : 0.00	Prev Reaming Hrs : 0.00	No of Runs This Bit : 1	In								
Jet Sizes (/32's) : 3x14	TFA : 0.451 in²	Gage Length : in	Out								

PERFORMANCE COMMENTS

Problem Perceived : No **Problem Date :** **Service Interrupt :** No **Service Interrupt Hrs :**
Performance Motor : No **Tandem Motor :** No **LIH :** No **PPR Ref # :**

Customer Representative's Signature (optional) : _____ **Date :** _____