

30-015-38238

MEWBOURNE OIL

Cemetery Yeso

Eddy County, NM

Gunsmoke "9" CD Federal #1H

VH - Job #32K1010840

Survey: Actual

SDI Standard Survey Report

14 November, 2010

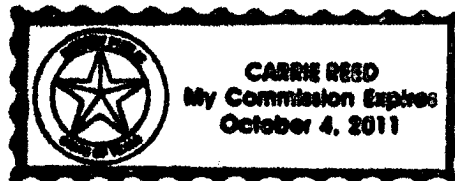
This survey is correct to the best of my knowledge and is supported by actual field data.

Richardson

Notorized this date 14th of November, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas





Scientific Drilling
Directional Drilling Operations

Project: Cemetery Yeso
Eddy County, NM
Well: Gunsmoke "9" CD Federal #1H
Wellbore: VH - Job #32K1010840
Design: VH - Job #32K1010840

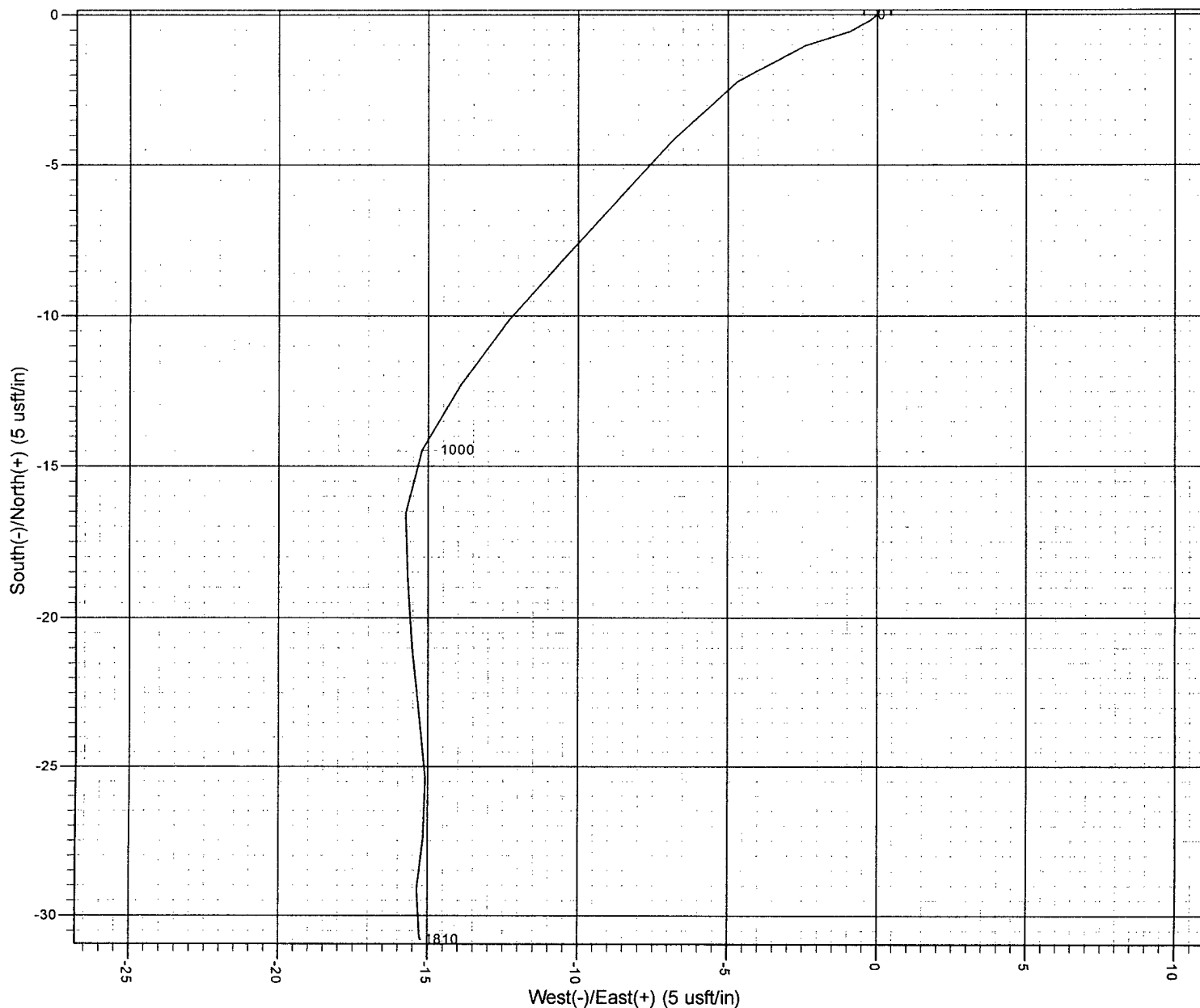


Azimuths to Grid North
True North: 0.08°
Magnetic North: 8.26°

Magnetic Field
Strength: 48850.8nT
Dip Angle: 60.38°
Date: 10/28/2010
Model: BGGM2010

WELL DETAILS: Gunsmoke "9" CD Federal #1H
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	579246.37	452285.36	32° 35' 32.490 N	104° 29' 17.730 W	



PROJECT DETAILS: Cemetery Yeso
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level

SITE DETAILS: Eddy County, NM
Site Centre Latitude: 32° 35' 32.490 N
Longitude: 104° 29' 17.730 W
Positional Uncertainty: 0.0
Convergence: -0.08
Local North: Grid

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Gunsmoke "9" CD Federal #1H
Project:	Cemetery Yeso	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Gunsmoke "9" CD Federal #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1010840	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1010840	Database:	EDM-Regulatory

Project	Cemetery Yeso		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site		Eddy County, NM			
Site Position:		Northing:	579,246.37 usft	Latitude:	32° 35' 32.490 N
From:	Lat/Long	Easting:	452,285.36 usft	Longitude:	104° 29' 17.730 W
Position Uncertainty:	0.0 usft	Slot Radius:	0"	Grid Convergence:	-0.08 °

Well	Gunsmoke "9" CD Federal #1H, Directional (CUDD)					
Well Position	+N/-S	0.0 usft	Northing:	579,246.37 usft	Latitude:	32° 35' 32.490 N
	+E/-W	0.0 usft	Easting:	452,285.36 usft	Longitude:	104° 29' 17.730 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	0.0 usft

Wellbore	VH - Job #32K1010840				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	10/28/2010	8.17	60.38	48,851

Design		VH - Job #32K1010840			
Audit Notes:					
Version:		1.0	Phase:	ACTUAL	Tie On Depth: 0.0
Vertical Section:		Depth From (TVD)	+N/-S	+E/-W	Direction
		(usft)	(usft)	(usft)	(°)
		0.0	0.0	0.0	270.87

Survey Program		Date 11/14/2010		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	1,810.0	Actual (VH - Job #32K1010840)	Keeper	Keeper Gyro

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0
100.0	0.36	233.55	100.0	-0.2	-0.3	233.55	0.3
200.0	0.53	246.72	200.0	-0.6	-0.9	239.13	1.1
300.0	1.27	254.93	300.0	-1.0	-2.4	247.05	2.6
400.0	1.70	232.71	400.0	-2.2	-4.7	244.66	5.2
500.0	1.62	223.26	499.9	-4.1	-6.8	238.74	8.0
600.0	1.57	222.43	599.9	-6.2	-8.7	234.65	10.7
700.0	1.49	223.22	699.8	-8.1	-10.5	232.30	13.3
800.0	1.57	220.78	799.8	-10.1	-12.3	230.58	15.9
900.0	1.52	212.51	899.8	-12.3	-13.9	228.59	18.6
1,000.0	1.38	208.38	999.7	-14.5	-15.2	226.45	21.0
1,100.0	1.19	178.59	1,099.7	-16.6	-15.8	223.58	22.9

Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MEWBOURNE OIL	Local Co-ordinate Reference:	Well Gunsmoke "9" CD Federal #1H
Project:	Cemetery Yeso	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Gunsmoke "9" CD Federal #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1010840	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1010840	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,200.0	1.25	177.30	1,199.7	-18.7	-15.7	220.00	24.4
1,300.0	1.34	175.69	1,299.7	-20.9	-15.5	216.58	26.1
1,400.0	1.27	172.48	1,399.6	-23.2	-15.3	213.41	27.8
1,500.0	1.26	176.18	1,499.6	-25.4	-15.1	210.71	29.5
1,600.0	1.08	188.94	1,599.6	-27.4	-15.2	208.93	31.3
1,700.0	0.86	184.64	1,699.6	-29.1	-15.4	207.84	32.9
1,800.0	0.91	169.22	1,799.6	-30.6	-15.3	206.51	34.2
1,810.0	0.81	172.21	1,809.6	-30.8	-15.3	206.36	34.4

Checked By: _____	Approved By: _____	Date: _____
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GUNSMOKE 9 CD FED #1H PATTERSON-UTI 101

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DEPTH FEET	WT. ON BIT KLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	10/24/10
	0 50	0 200	0 800	0 3281	00:02
					01:00
					02:00
					03:00
					04:00
					05:00
					06:00
					07:00
					08:00
					09:00
					10:00
					11:00
					12:00
					13:00
					14:00
					15:00
					16:00
					17:00
					18:00
					19:00
					20:00
					21:00
					22:00
					23:00
102	HOLE DEPTH CHANGED TO 54.0 FEET				
	BIT DEPTH CHANGED TO 54.0 FEET				
	Connection at 54.8				
	IN TALLY: HOLE DEPTH SET TO 83.7				
203	Connection at 83.7				
206	IN TALLY: HOLE DEPTH SET TO 116.1				
	Connection at 116.1				
301	Connection at 145.0				
323	IN TALLY: HOLE DEPTH SET TO 174.8				
350	Connection at 174.8				
	IN TALLY: HOLE DEPTH SET TO 204.8				
347	Connection at 204.8				
357	IN TALLY: HOLE DEPTH SET TO 232.8				
311	Connection at 232.8				
	IN TALLY: HOLE DEPTH SET TO 261.6				
	Connection at 261.6				
400	IN TALLY: HOLE DEPTH SET TO 291.9				
427	Connection at 291.9				
	IN TALLY: HOLE DEPTH SET TO 320.1				
	Connection at 320.1				

GUNSMOKE 9 CD FED #1H PATTERSON-UTI 101

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DEPTH FEET	WT. ON BIT KLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	10/25/10 00:02
	0 80	0 200	0 2000	0 3281	
500	IN TALLY: HOLE DEPTH SET TO 486.7				01:00
516	IN TALLY: HOLE DEPTH SET TO 516.5				02:00
	IN TALLY: HOLE DEPTH SET TO 546.0				03:00
	Connection at 575.3				04:00
600	IN TALLY: HOLE DEPTH SET TO 575.3				05:00
605	Connection at 603.8				06:00
633	Connection at 633.1				07:00
	IN TALLY: HOLE DEPTH SET TO 633.1				08:00
	IN TALLY: HOLE DEPTH SET TO 661.5				09:00
	Connection at 661.5				10:00
701	IN TALLY: HOLE DEPTH SET TO 689.9				11:00
718	Connection at 689.9				12:00
	IN TALLY: HOLE DEPTH SET TO 718.3				13:00
	Connection at 718.3				14:00
801	PUMP SWEEP				15:00
806	IN TALLY: HOLE DEPTH SET TO 748.3				16:00
	Connection at 748.3				17:00
	HOOK LOAD THRESHOLD RECALIBRATED TO 28				18:00
	Connection at 780.3				19:00
	IN TALLY: HOLE DEPTH SET TO 812.0				20:00
901	HOOKLOAD WAS RECALIBRATED				21:00
	Connection at 812.0				22:00
937	PUMP SWEEP				23:00
	IN TALLY: HOLE DEPTH SET TO 843.8				
	Connection at 843.8				
	IN TALLY: HOLE DEPTH SET TO 875.4				
	Connection at 875.4				
	IN TALLY: HOLE DEPTH SET TO 907.3				
	Connection at 907.3				
	IN TALLY: HOLE DEPTH SET TO 939.0				
	Connection at 939.0				
	DEPTH RECALIBRATED TO -0.0259109288				
	HOLE DEPTH CHANGED TO 950.0 FEET				

GUNSMOKE 9 CD FED #1H PATTERSON-UTI 101

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DEPTH FEET	WT. ON BIT KLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	10/26/10
	0 40	0 200	0 363	0 0.7	00:02
					01:00
					02:00
					03:00
					04:00
					05:00
					06:00
					07:00
					08:00
					09:00
					10:00
					11:00
					12:00
					13:00
					14:00
					15:00
					16:00
					17:00
					18:00
					19:00
					20:00
					21:00
					22:00
					23:00

HOLE DEPTH CHANGED TO 950.0 FEET

950

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DEPTH FEET	WT. ON BIT KLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	10/27/10
	0 50	0 200	0 2000	0 3281	00:02
					01:00
					02:00
					03:00
					04:00
					05:00
					06:00
					07:00
1041					08:00
1241					09:00
1430					10:00
	ZWOB from DHC				11:00
1606	HOLE DEPTH CHANGED TO 919.0 FEET				12:00
	IN TALLY: HOLE DEPTH SET TO 951.3				13:00
	IN TALLY: HOLE DEPTH SET TO 983.0				14:00
1000	ZDIFF from DHC				15:00
1019	IN TALLY: HOLE DEPTH SET TO 1014.6				16:00
	IN TALLY: HOLE DEPTH SET TO 1046.3				17:00
1050	IN TALLY: HOLE DEPTH SET TO 1077.8				18:00
	SURVEY @ 1002 NC-1.69				19:00
1100	IN TALLY: HOLE DEPTH SET TO 1109.8				20:00
1108	ZDIFF from DHC				21:00
	IN TALLY: HOLE DEPTH SET TO 1141.6				22:00
	ZDIFF from DHC				23:00
1201	IN TALLY: HOLE DEPTH SET TO 1173.3				
	ZDIFF from DHC				
	IN TALLY: HOLE DEPTH SET TO 1205.2				
	ZDIFF from DHC				
	IN TALLY: HOLE DEPTH SET TO 1235.8				
1300	ZDIFF from DHC				
1327	IN TALLY: HOLE DEPTH SET TO 1267.8				

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DEPTH FEET	WT. ON BIT KLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	10/28/10 00:02
	0 50	0 200	0 2000	0 3281	
	ZDIFF from DHC				01:00
1400	IN TALLY: HOLE DEPTH SET TO 1362.8				02:00
1408	ZDIFF from DHC				03:00
	IN TALLY: HOLE DEPTH SET TO 1394.5				04:00
	CHANGE SWAB ON #2 PUMP				05:00
1500	ZDIFF from DHC				06:00
1521	IN TALLY: HOLE DEPTH SET TO 1426.3				07:00
	ZDIFF from DHC				08:00
	IN TALLY: HOLE DEPTH SET TO 1458.2				09:00
	ZDIFF from DHC				10:00
1600	IN TALLY: HOLE DEPTH SET TO 1489.9				11:00
1616	IN TALLY: HOLE DEPTH SET TO 1521.8				12:00
	ZDIFF from DHC				13:00
	SWAB OUT ON NO.2 PUMP				14:00
	IN TALLY: HOLE DEPTH SET TO 1585.4				15:00
1701	IN TALLY: HOLE DEPTH SET TO 1617.2				16:00
	SURVEY @ 1542 INC-1.02*				17:00
	IN TALLY: HOLE DEPTH SET TO 1649.0				18:00
	Connection at 1680.7				19:00
1800	IN TALLY: HOLE DEPTH SET TO 1680.7				20:00
	IN TALLY: HOLE DEPTH SET TO 1712.3				21:00
1838	IN TALLY: HOLE DEPTH SET TO 1743.9				22:00
	IN TALLY: HOLE DEPTH SET TO 1775.5				23:00
	IN TALLY: HOLE DEPTH SET TO 1807.1				
	IN TALLY: HOLE DEPTH SET TO 1838.7				
1900	IN TALLY: HOLE DEPTH SET TO 1902.4				
1932	IN TALLY: HOLE DEPTH SET TO 1934.0				
	IN TALLY: HOLE DEPTH SET TO 1965.7				
1912					
1121					
817					
623					

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DEPTH FEET	WT. ON BIT KLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	10/29/10
	0 80	0 200	0 2000	0 2000	00:02
					01:00
					02:00
					03:00
					04:00
					05:00
					06:00
					07:00
					08:00
					09:00
					10:00
					11:00
					12:00
					13:00
					14:00
					15:00
					16:00
					17:00
					18:00
					19:00
					20:00
					21:00
					22:00
					23:00
510					
738					
905					
1037					
1209					
1322					
HOLE DEPTH CHANGED TO 1965.0 FEET					
BIT DEPTH CHANGED TO 1963.0 FEET					
SURVEY @ 1928 INC 0.6 AZM 184.4 TVD 1927.55					
HOLE DEPTH CHANGED TO 1990.0 FEET					
BIT DEPTH CHANGED TO 1990.0 FEET					
IN TALLY: HOLE DEPTH SET TO 2008.9					
SURVEY @ 1960 INC 0.4 AZM 207.6 TVD 1959.6					
ZWOB from DHC					
ZWOB from DHC					
ZWOB from DHC					
IN TALLY: HOLE DEPTH SET TO 2040.2					
SURVEY @ 1992 INC 2.8 AZM 287.1 TVD 1991.54					
ZWOB from DHC					
IN TALLY: HOLE DEPTH SET TO 2071.9					
ZWOB from DHC					
IN TALLY: HOLE DEPTH SET TO 2103.8					
ZDIFF from DHC					
ZWOB from DHC					
SURVEY @ 2055 INC 11.4 AZM 290.1 TVD 2054					
2000					
2009					
2046					
2100					
2200					

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DEPTH FEET	WT. ON BIT kLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	10/30/10 00:02
2200	0 80	0 200	0 2000	0 3281	00:02
	SURVEY @ 2151	AZM 22.3 INC 284.8	TVD 2145.7		01:00
	ZWOB from DHC				
2260	SET DEPTH AT 2230				02:00
2251	IN TALLY: HOLE DEPTH SET TO 2262.7				03:00
	SURVEY @ 2182	NC 25.4 AZM 284.6	TVD 2174		04:00
	HOLE DEPTH CHANGED TO 2230.8 FEET				05:00
	ZWOB from DHC				06:00
2301	ZWOB from DHC				07:00
2326	ZWOB from DHC				08:00
	ZDIFF from DHC				09:00
	IN TALLY: HOLE DEPTH SET TO 2262.7				10:00
2350	SURVEY @ 2262	NC 28.7 AZM 284.1	TVD 2202.5		11:00
2359	ZWOB from DHC				12:00
	ZDIFF from DHC				13:00
	IN TALLY: HOLE DEPTH SET TO 2294.6				14:00
2365	SURVEY @ 2246	NC 31.9 AZM 283.0	TVD 2230.2		15:00
2400	ZWOB from DHC				16:00
	ZDIFF from DHC				17:00
	ZWOB from DHC				18:00
2427	ZWOB from DHC				19:00
	ZDIFF from DHC				20:00
	IN TALLY: HOLE DEPTH SET TO 2326.4				21:00
2450	SURVEY @ 2278	NC 35.3 AZM 282.0	TVD 2256.77		22:00
2452	ZWOB from DHC				23:00
	REPLACE SWAB ON #2 PUMP				
	ZWOB from DHC				
2482	DRILLING W/ ONE PUMP				
	IN TALLY: HOLE DEPTH SET TO 2358.3				
2500	SURVEY @ 2310	NC 38.2 AZM 282.1	TVD 2282.41		
	ZWOB from DHC				
2522	ZWOB from DHC				
	IN TALLY: HOLE DEPTH SET TO 2390.2				
	SURVEY @ 2342	NC 40.7 AZM 280.9	TVD 2307.12		
2550	ZWOB from DHC				
	IN TALLY: HOLE DEPTH SET TO 2422.1				
	SURVEY @ 2374	NC 43.6 AZM 280.7	TVD 2330.84		
	ZWOB from DHC				

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DEPTH FEET	WT. ON BIT KLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	10/31/10 00:02
	0 80	0 200	0 2000	0 3281	
	SURVEY @ 2532	NC 57.9 AZM 276.3	TVD 2431.1		
	ZDIFF from DHC				01:00
2600	ZWOB from DHC				02:00
2613	IN TALLY: HOLE DEPTH SET TO 2612.4				03:00
	SURVEY @ 2564	NC 60.9 AZM TVD			
	SURVEY @ 2564	NC 60.9 AZM 275.6	TVD 2447.4		04:00
	ZDIFF from DHC				
	IN TALLY: HOLE DEPTH SET TO 2644.0				05:00
	SURVEY @ 2596	NC 64.2 AZM 275.3	TVD 2462.2		06:00
	ZDIFF from DHC				
	ZWOB from DHC				07:00
2701	ZWOB from DHC				
2708	IN TALLY: HOLE DEPTH SET TO 2675.8				08:00
	SURVEY @ 2627	NC 67.5 AZM 274.9	TVD 2474.81		09:00
	ZWOB from DHC				
	IN TALLY: HOLE DEPTH SET TO 2707.5				10:00
	SURVEY @ 2659	NC 70.6 AZM 274.6	TVD 2486.25		11:00
	ZWOB from DHC				
	IN TALLY: HOLE DEPTH SET TO 2739.3				12:00
	SURVEY @ 2691	NC 73.6 AZM 273.4	TVD 2496.08		13:00
2800	ZWOB from DHC				
2801	IN TALLY: HOLE DEPTH SET TO 2771.1				14:00
	SURVEY @ 2723	NC 76.8 AZM 272.5	TVD 2504.26		15:00
2834	ZWOB from DHC				
	IN TALLY: HOLE DEPTH SET TO 2802.9				16:00
	SURVEY @ 2754	NC 79.9 AZM 271.4	TVD 2510.52		17:00
	ZWOB from DHC				
2820	IN TALLY: HOLE DEPTH SET TO 2834.8				18:00
2233	SURVEY @ 2786	NC 82.9 AZM 270.4	TVD 2515.3		19:00
1622	ZWOB from DHC				
1503	IN TALLY: HOLE DEPTH SET TO 2866.7				20:00
1209	SURVEY @ 2818	NC 85.6 AZM 270.0	TVD 2518.51		21:00
975	PTB MD 2866 INC 90.6 AZM 270.0	TVD 2520.1			
					22:00
					23:00

GUNSMOKE 9 CD FED #1H PATTERSON-UTI 101

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DEPTH FEET	WT. ON BIT KLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	11/01/10 00:02
	0 80	0 200	0 2000	0 3281	
440					01:00
1201					02:00
1636					03:00
1722					04:00
1942					05:00
2798	BIT DEPTH CHANGED TO 2798.2 FEET				06:00
	ZDIFF from DHC				07:00
	ZWOB from DHC				08:00
	ZDIFF from DHC				09:00
2900	ZWOB from DHC				10:00
	ZDIFF from DHC				11:00
	IN TALLY: HOLE DEPTH SET TO 2893.7				12:00
	IN TALLY: HOLE DEPTH SET TO 2893.7				13:00
	SURVEY @ 2849 NC 87.5 AZM 268.6 TVD 2520.48				14:00
3001	ZDIFF from DHC				15:00
3021	ZWOB from DHC				16:00
	ZDIFF from DHC				17:00
	ZWOB from DHC				18:00
3101	IN TALLY: HOLE DEPTH SET TO 2925.5				19:00
	SURVEY @ 2881 NC 88.3 AZM 268.8 TVD 2521.68				20:00
	IN TALLY: HOLE DEPTH SET TO 2957.3				21:00
	BIT DEPTH CHANGED TO 2910.0 FEET				22:00
3202	IN TALLY: HOLE DEPTH SET TO 2957.3				23:00
3209	HOOKLOAD WAS RECALIBRATED				
3238	SURVEY @ 2913 NC 89.6 AZM 269.7 TVD 2522.21				
	SURVEY @ 2945 NC 90.8 AZM 270.9 TVD 2522.89				
3304	IN TALLY: HOLE DEPTH SET TO 3027.0				
	SURVEY @ 2976 NC 91.7 AZM 271.6 TVD 2524.41				
3405	IN TALLY: HOLE DEPTH SET TO 3052.7				
	SURVEY @ 3008 NC 91.7 AZM 271.8 TVD 2520.46				
3500	IN TALLY: HOLE DEPTH SET TO 3084.4				
3528	SURVEY @ 3040 NC 91.3 AZM 271.8 TVD 2519.02				
	IN TALLY: HOLE DEPTH SET TO 3115.8				
3604	SURVEY @ 3071 NC 91.2 AZM 271.6 TVD 2518.95				
	HOLE DEPTH CHANGED TO 3147.7 FEET				
3702	SURVEY @ 3103 NC 92.2 AZM 271.1 TVD 2518.0				
	IN TALLY: HOLE DEPTH SET TO 3179.7				

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DEPTH FEET	WT. ON BIT KLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	11/02/10
	0 80	0 200	0 3000	0 3281	00:02
3802	INITIALLY: HOLE DEPTH SET TO 3789.9				01:00
	SURVEY @3745 NC 91.6 AZM 270.7 TVD 2508.86				
3901	HOOKLOAD WAS RECALIBRATED				02:00
	ZDIFF from DHC				03:00
4002	ZWOB from DHC				
	INITIALLY: HOLE DEPTH SET TO 3818.9				04:00
	ZDIFF from DHC				05:00
4104	INITIALLY: HOLE DEPTH SET TO 3850.8				
	ZDIFF from DHC				06:00
	ZWOB from DHC				07:00
4200	ZDIFF from DHC				
	SURVEY @ 3806 NC 91.0 AZM 269.5 TVD 2507.48				08:00
	INITIALLY: HOLE DEPTH SET TO 3882.5				09:00
4303	ZDIFF from DHC				
	ZDIFF from DHC				10:00
4401	INITIALLY: HOLE DEPTH SET TO 3946.2				
	HOLE DEPTH CHANGED TO 3914.0 FEET				11:00
	ZDIFF from DHC				12:00
4501	ZDIFF from DHC				
4522	SURVEY @3870 NC 90.9 AZM 269.1 TVD 2506.42				13:00
4605	INITIALLY: HOLE DEPTH SET TO 3946.2				
	ZDIFF from DHC				14:00
4703	ZWOB from DHC				
	INITIALLY: HOLE DEPTH SET TO 3946.2				15:00
4804	INITIALLY: HOLE DEPTH SET TO 3977.6				16:00
4836	ZDIFF from DHC				
4902	SURVEY @3933 NC 90.3 AZM 269.3 TVD 2505.76				17:00
4908	ZDIFF from DHC				18:00
	INITIALLY: HOLE DEPTH SET TO 4009.3				19:00
4922	HOLE DEPTH CHANGED TO 4049.0 FEET				
4605	HOLE DEPTH CHANGED TO 4023.0 FEET				20:00
4004	INITIALLY: HOLE DEPTH SET TO 4041.1				
3814	SURVEY @3997 NC 90.0 AZM 269.1 TVD 2505.59				21:00
3551	ZDIFF from DHC				22:00
3232	ZDIFF from DHC				
2603	ZDIFF from DHC				23:00
2105	ZDIFF from DHC				
1518	ZDIFF from DHC				

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DEPTH FEET	WT. ON BIT KLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	11/03/10
	0 80	0 200	0 800	0 3281	00:02
					01:00
					02:00
1280					03:00
2056					04:00
2632					05:00
2829					06:00
3107					07:00
3324					08:00
3728					09:00
4012					10:00
4003					11:00
4227					12:00
4324					13:00
					14:00
4401					15:00
4413					16:00
4500					17:00
4603					18:00
4705					19:00
4899					20:00
4905					21:00
4721					22:00
4228					23:00
3727					
3519					
3208					
3022					
3338					
3619					
4000					
4239					
4834					
4901					
4902					

HOLE DEPTH CHANGED TO 4899.0 FEET

BIT DEPTH CHANGED TO 3634.0 FEET

BIT DEPTH CHANGED TO 4170.0 FEET

BIT DEPTH CHANGED TO 4899.0 FEET

BIT DEPTH CHANGED TO 2868.0 FEET

BIT DEPTH CHANGED TO 3174.0 FEET

BIT DEPTH CHANGED TO 3407.0 FEET

BIT DEPTH CHANGED TO 3951.0 FEET

BIT DEPTH CHANGED TO 3951.0 FEET

BIT DEPTH CHANGED TO 4524.0 FEET

BIT DEPTH CHANGED TO 4810.0 FEET

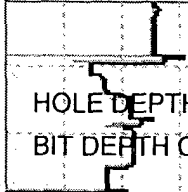
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DEPTH FEET	WT. ON BIT KLBS	TORQUE KFT-LBS	PRESSURE PSI	ROP FT/HR	11/04/10
	0 80	0 200	0 363	0 0.7	00:02
4617					
4225					01:00
3907					
3810					02:00
3615					
3419					03:00
3203					
2845					04:00
2507					05:00
2123					06:00
					07:00
					08:00
					09:00
					10:00
					11:00
1834	BIT DEPTH CHANGED TO 1401.0 FEET				
1640					12:00
2158	BIT DEPTH CHANGED TO 2552.0 FEET				13:00
					14:00
					15:00
					16:00
					17:00
					18:00
2613					19:00
2921					20:00
3415					21:00
3601					
3630					22:00
					23:00

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DEPTH FEET	WT. ON BIT KLBS		TORQUE KFT-LBS		PRESSURE PSI		ROP FT/HR.		11/05/10 00:02
	0	80	0	200	0	363	0	0.7	
3929									01:00
4885									02:00
									03:00
									04:00
									05:00
4891									06:00
									07:00
									08:00
									09:00
									10:00
									11:00
									12:00
									13:00
									14:00
									15:00
									16:00
									17:00
									18:00
									19:00
									20:00
									21:00
									22:00
									23:00

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DEPTH FEET	WT. ON BIT KLBS		TORQUE KFT-LBS		PRESSURE PSI		ROP FT/HR		11/06/10
	0	11	0	200	0	363	0	0.7	
									00:02
									01:00
									02:00
									03:00
									04:00
									05:00
									06:00
									07:00
									08:00
									09:00
									10:00
									11:00
									12:00
									13:00
									14:00
									15:00
									16:00
									17:00
									18:00
									19:00
									20:00
									21:00
									22:00
									23:00

ATTEMPTED TO ZERO TOTAL STROKES
ATTEMPTED TO SET HOLE DEPTH TO 0.00 feet

HOLE DEPTH CHANGED TO 40.0 FEET