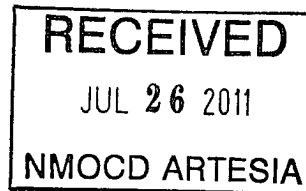


DEVON ENERGY

Willow Lake
Eddy County, NM
Slider "8" Federal #1H
VH - Job #32K1210963

30-015-38242



Survey: Actual

SDI Standard Survey Report

16 December, 2010

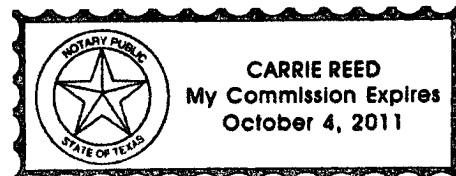
This survey is correct to the best of my knowledge and is supported by actual field data.

Wharton

Notorized this date 31st of December, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Slider "8" Federal #1H
Project:	Willow Lake	TVD Reference:	WELL @ 0 0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0 0usft (Original Well Elev)
Well:	Slider "8" Federal #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1210963	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1210963	Database:	EDM-Regulatory

Project	Willow Lake		
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:	408,641 15 usft	Latitude:	32° 7' 22 800 N
From:	Lat/Long	Easting:	606,908 63 usft	Longitude:	103° 59' 16 800 W
Position Uncertainty:		0 0 usft	Slot Radius:	0"	Grid Convergence: 0.18 °

Well	Slider "8" Federal #1H, Directional (Unknown)					
Well Position	+N-S	0 0 usft	Northing:	416,165 52 usft	Latitude:	32° 8' 37 410 N
	+E-W	0.0 usft	Easting:	602,200 50 usft	Longitude:	104° 0' 11 280 W
Position Uncertainty		0 0 usft	Wellhead Elevation:	usft	Ground Level:	0 0 usft

Wellbore:	VH - Job #32K1210963
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Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	12/9/2010	7.90	60.05	48,628

Design		VH - Job #32K1210963			
Audit Notes:					
Version:		1 0	Phase:		ACTUAL
			Tie On Depth:		0 0
Vertical Section:		Depth From (TVD) (usft)		+N/ S (usft)	+E/ W (usft)
				Direction (°)	
		0 0		0 0	0 0
				268 83	

Survey Program		Date	12/16/2010		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100 0	2,745 0	Actual (VH - Job #32K1210963)	Keeper	Keeper Gyro	

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	0.60	229.78	100 0	-0.3	-0.4	229.78	0.5
200 0	0.34	199.70	200 0	-1.0	-0.9	223.27	1.3
300 0	0.72	200.52	300 0	-1.8	-1.2	213.78	2.2
400 0	1.47	206.25	400 0	-3.6	-2.0	209.40	4.1
500.0	0.36	158.80	500 0	-5.0	-2.5	206.18	5.6
600 0	0.85	283.21	600 0	-5.1	-3.1	210.90	6.0
700.0	0.95	284.55	699.9	-4.8	-4.6	224.04	6.6
800 0	0.99	293.64	799.9	-4.2	-6.2	235.86	7.5
900 0	1.30	279.45	899.9	-3.7	-8.1	245.66	8.9
1,000 0	1.57	266.74	999.9	-3.6	-10.6	251.43	11.2
1,100.0	1.88	261.90	1,099.8	-3.9	-13.6	254.11	14.1

Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Slider "8" Federal #1H
Project:	Willow Lake	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Slider "8" Federal #1H	North Reference:	Grid
Wellbore:	VH - Job #32K1210963	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K1210963	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	1.89	256.36	1,199.8	-4.5	-16.8	255.06	17.4
1,300.0	1.77	254.99	1,299.7	-5.3	-19.9	255.16	20.6
1,400.0	1.71	262.48	1,399.7	-5.9	-22.9	255.61	23.6
1,500.0	1.53	258.04	1,499.6	-6.3	-25.7	256.12	26.4
1,600.0	1.59	242.97	1,599.6	-7.2	-28.2	255.58	29.1
1,700.0	1.59	237.11	1,699.6	-8.6	-30.6	254.25	31.8
1,800.0	0.88	239.43	1,799.5	-9.8	-32.4	253.22	33.9
1,900.0	0.48	224.10	1,899.5	-10.5	-33.4	252.59	35.0
2,000.0	0.95	212.16	1,999.5	-11.5	-34.1	251.41	36.0
2,100.0	1.26	197.09	2,099.5	-13.2	-34.9	249.24	37.3
2,200.0	1.63	181.54	2,199.5	-15.7	-35.2	245.99	38.6
2,300.0	2.04	152.22	2,299.4	-18.7	-34.4	241.51	39.2
2,400.0	2.31	147.35	2,399.4	-22.0	-32.5	235.97	39.2
2,500.0	2.91	134.54	2,499.3	-25.4	-29.6	229.35	39.1
2,600.0	3.79	132.59	2,599.1	-29.5	-25.4	220.75	38.9
2,700.0	4.22	128.97	2,698.8	-34.0	-20.1	210.58	39.5
2,745.0	4.17	126.64	2,743.7	-36.0	-17.5	205.90	40.0



Project: Willow Lake
 Eddy County, NM
 Well: Slider "8" Federal #1H
 Wellbore: VH - Job #32K1210963
 Design: VH - Job #32K1210963

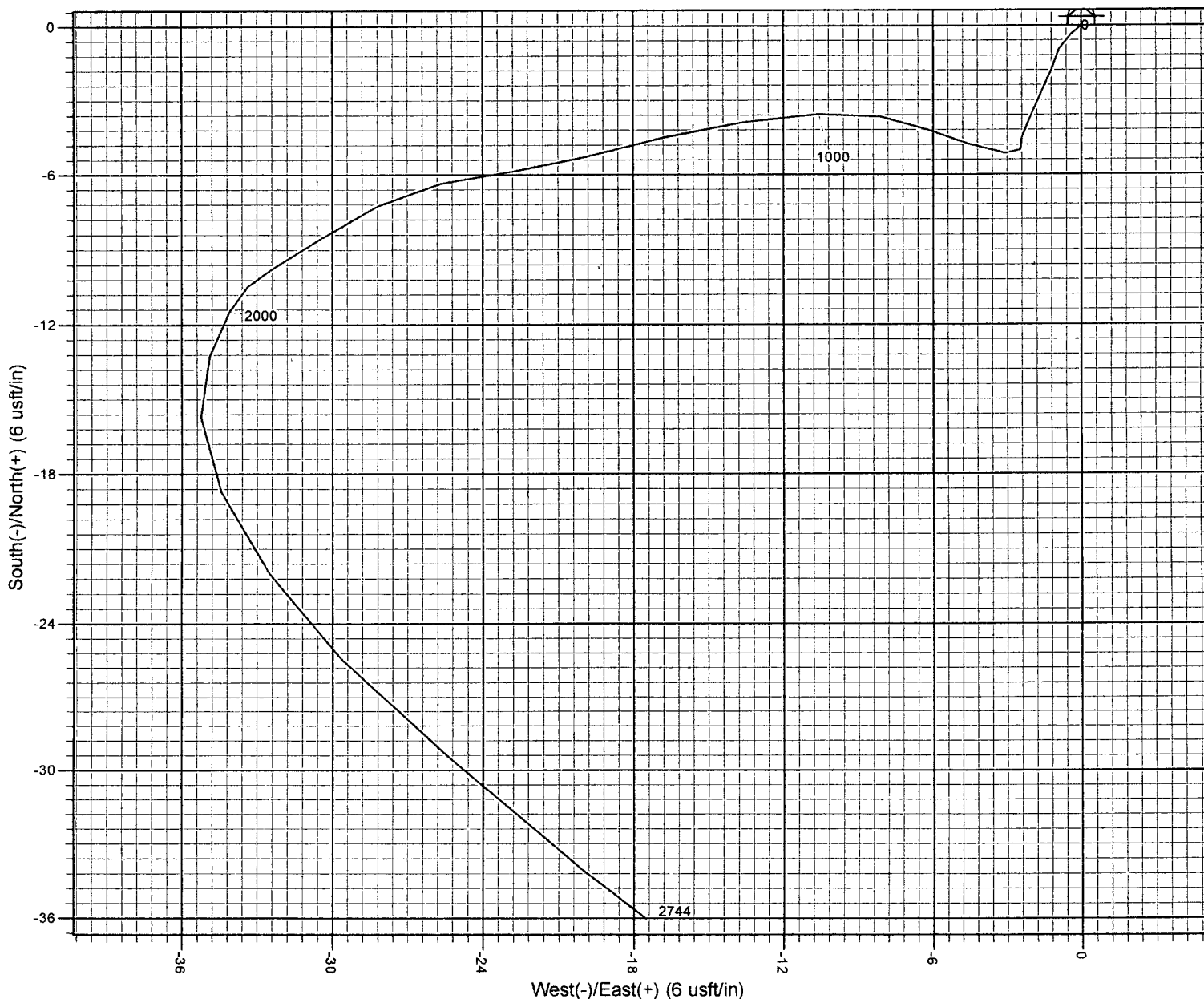


Azimuths to Grid North
 True North: -0.18°
 Magnetic North: 7.72°

Magnetic Field
 Strength: 48628 0snT
 Dip Angle: 60.05°
 Date: 12/9/2010
 Model: BGGM2010

WELL DETAILS: Slider "8" 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	416165.52	602200.50	32° 8' 37.410 N	104° 0' 11.280 W	



PROJECT DETAILS: Willow Lake
 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° 7' 22.800 N
 Longitude: 103° 59' 16.800 W
 Positional Uncertainty: 0.0
 Convergence: 0.18
 Local North: Grid