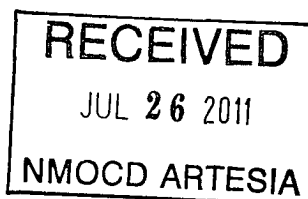


DEVON ENERGY

Willow Lake
Eddy County, NM
Slider "8" Federal #2H
VH - Job #32K0211117

30-015-38281



Survey: Actual

SDI Standard Survey Report

11 February, 2011

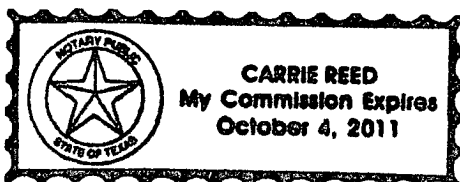
This survey is correct to the best of my knowledge and is supported by actual field data.

Carrie Reed

Notarized this date 11th of February, 2011.

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 #2H
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 #2H	North Reference:	Grid
Wellbore:	VH - Job #32K0211117	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0211117	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 #2H Directional (Pathfinder)					
Well Position	+N/-S	0 0 usft	Northing:	415,519.40 usft	Latitude:	32° 8' 31.010 N
	+E/-W	0 0 usft	Easting:	602,389.92 usft	Longitude:	104° 0' 9.100 W
Position Uncertainty		0 0 usft	Wellhead Elevation:	usft	Ground Level:	0 0 usft

Wellbore	VH - Job #32K0211117				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	2/7/2011	7.88	60.05	48,609

Design: VH - Job #32K0211117				
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 37

Survey Program		Date: 2/11/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	2,788.0	Actual (VH - Job #32K0211117)	Keeper	Keeper Gyro

Survey								
Measured Depth	Inclination	Azimuth	True Vertical	North/South	East/West	Closure Azimuth	Closure Distance	
(usft)	(°)	(°)	Depth	(usft)	(usft)	(°)	(usft)	
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.0	
100.0	0.58	161.11	100.0	-0.5	0.2	161.11	0.5	
200.0	0.84	170.49	200.0	-1.7	0.4	165.05	1.7	
300.0	0.72	52.85	300.0	-2.0	1.1	152.12	2.3	
400.0	1.82	9.40	400.0	-0.1	1.8	92.44	1.8	
500.0	3.55	2.26	499.8	4.6	2.2	25.77	5.1	
600.0	4.00	1.94	599.6	11.2	2.5	12.39	11.4	
700.0	3.86	3.58	699.4	18.0	2.8	8.78	18.2	
800.0	3.51	4.87	799.2	24.4	3.3	7.58	24.6	
900.0	3.32	3.84	899.0	30.4	3.7	6.96	30.6	
1,000.0	3.40	2.96	998.8	36.2	4.1	6.39	36.4	
1,100.0	3.60	4.63	1,098.7	42.3	4.5	6.02	42.5	

Scientific Drilling International, Inc.
SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well Slider #8 Federal #2H
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 #2H	North Reference:	Grid
Wellbore:	VH Job #32K02111.17	Survey Calculation Method:	Minimum Curvature
Design:	VH Job #32K02111.17	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	3.61	8.59	1,198.5	48.5	5.2	6.09	48.8
1,300.0	3.62	8.97	1,298.3	54.8	6.1	6.40	55.1
1,400.0	3.43	11.67	1,398.1	60.8	7.2	6.79	61.2
1,500.0	3.29	10.84	1,497.9	66.6	8.4	7.18	67.1
1,600.0	3.15	10.28	1,597.7	72.1	9.4	7.44	72.7
1,700.0	3.00	9.68	1,697.6	77.4	10.3	7.62	78.1
1,800.0	2.72	7.63	1,797.5	82.3	11.1	7.68	83.0
1,900.0	2.31	10.14	1,897.4	86.6	11.8	7.74	87.4
2,000.0	1.80	12.09	1,997.3	90.2	12.5	7.87	91.0
2,100.0	1.54	10.43	2,097.3	93.0	13.0	7.97	93.9
2,200.0	1.40	47.82	2,197.2	95.2	14.2	8.47	96.2
2,300.0	2.19	84.59	2,297.2	96.2	17.0	10.02	97.6
2,400.0	2.50	88.84	2,397.1	96.4	21.1	12.33	98.7
2,500.0	3.25	95.28	2,497.0	96.2	26.1	15.17	99.6
2,600.0	4.24	102.60	2,596.8	95.1	32.5	18.87	100.5
2,700.0	5.34	104.81	2,696.4	93.1	40.6	23.56	101.6
2,788.0	5.29	99.59	2,784.0	91.4	48.6	27.99	103.5



Project: Willow Lake
Eddy County, NM
Well: Slider "8" Federal #2H
Wellbore: VH - Job #32K0211117
Design: VH - Job #32K0211117

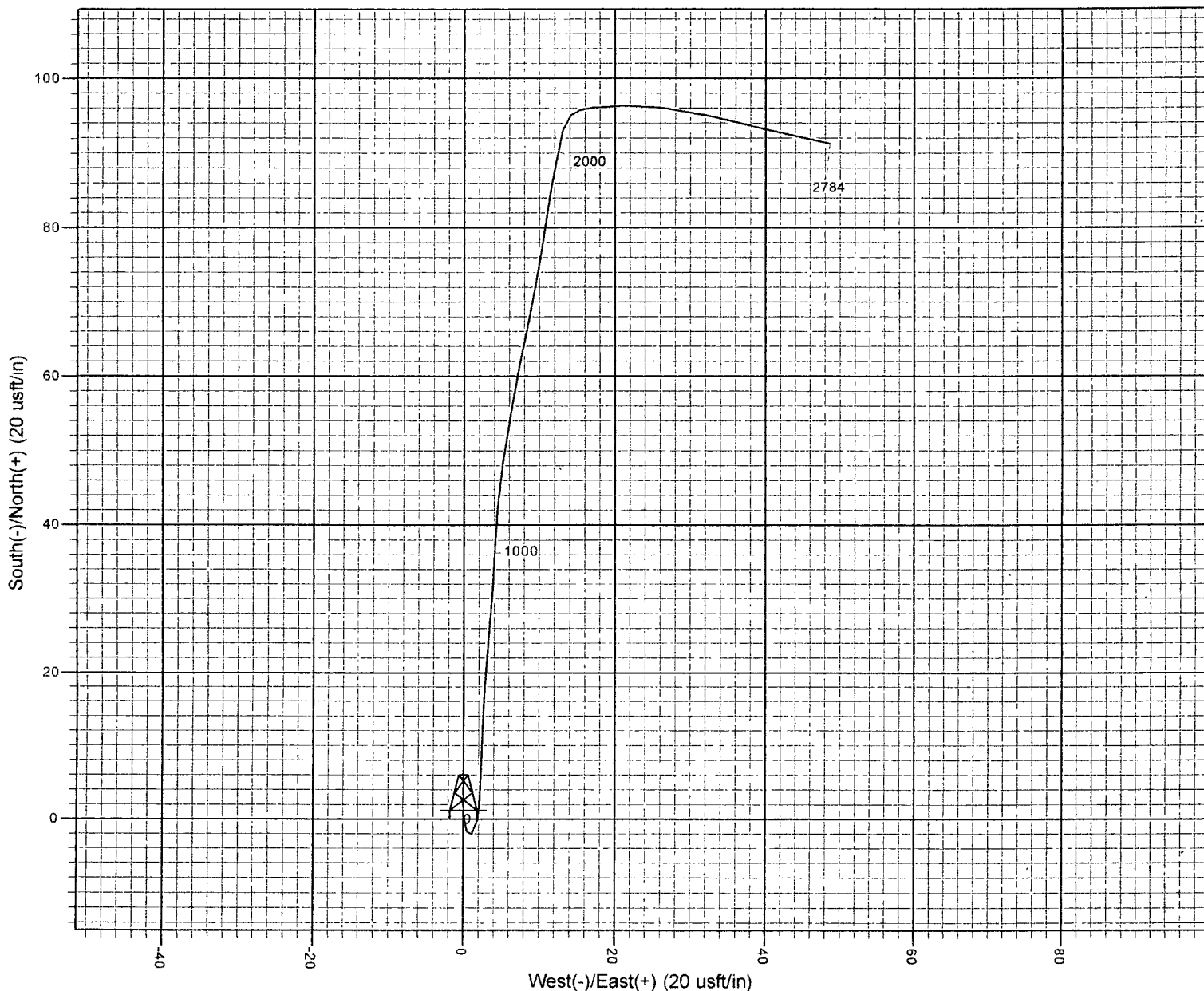


Azimuths to Grid North
True North: -0 18°
Magnetic North: 7 70°

Magnetic Field
Strength: 48609.1snT
Dip Angle: 60.05°
Date: 2/7/2011
Model: BGGM2010

WELL DETAILS: Slider "8" Federal #2H
WELL @ 0 0usft (Original Well Elev)
Ground Level 0 0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0 0	415519 40	602389.92	32° 8' 31 010 N	104° 0' 9.100 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