

DEVON ENERGY

Los Medanos

Eddy County, NM

North Pure Gold 8 Federal #15H

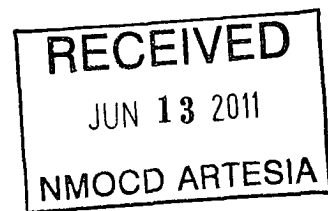
VH - Job #32K0111033

SUR: A -17-23s - 31e, 440/N & 330/E
BHL: A - 8 - 23s - 31e, 360/N & 418/E
API # 30-015-38282

Survey: Actual

SDI Standard Survey Report

24 January, 2011



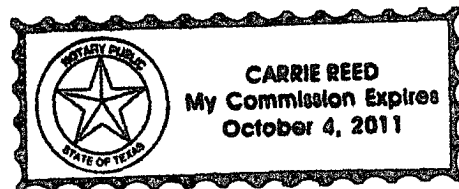
This survey is correct to the best of my knowledge and is supported by actual field data.

[Signature]

Notarized this date 24th of January, 2011.

[Signature]

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well North Pure Gold 8 Federal #15H
Project:	Los Medanos	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	North Pure Gold 8 Federal #15H	North Reference:	Grid
Wellbore:	VH - Job #32K0111033	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0111033	Database:	EDM-Regulatory

Project: Los Medanos			
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:	477,693.54 usft	Latitude:	32° 18' 43.760 N
From:	Lat/Long	Easting:	665,747.30 usft	Longitude:	103° 47' 48.600 W
Position Uncertainty:	0.0 usft	Slot Radius:	0"	Grid Convergence:	0.29 °

Well	North Pure Gold 8 Federal #15H Directional (Pathfinder)					
Well Position	+N/-S	0 0 usft	Northing:	477,120.39 usft	Latitude:	32° 18' 38.020 N
	+E/-W	0 0 usft	Easting:	667,119.02 usft	Longitude:	103° 47' 32.650 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level:	0.0 usft

Wellbore: VH - Job #32K0111033					
Magnetics	Model Name:	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	1/13/2011	7 80	60 24	48,747

Design: VH - Job #32K0111033				
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	359.65

Survey Program		Date: 1/23/2011		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.0	7,791.0	Actual (VH - Job #32K0111033)	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	0.32	304.07	100.0	0.2	-0.2	304.07	0.3
200.0	0.29	307.71	200.0	0.5	-0.7	305.20	0.8
300.0	0.28	284.05	300.0	0.7	-1.1	301.79	1.3
400.0	0.19	274.16	400.0	0.8	-1.5	296.62	1.7
500.0	0.10	299.41	500.0	0.8	-1.7	294.86	1.9
600.0	0.08	185.78	600.0	0.8	-1.8	293.16	2.0
700.0	0.06	195.73	700.0	0.7	-1.8	289.69	2.0
800.0	0.08	1.16	800.0	0.7	-1.9	290.10	2.0
900.0	0.04	283.57	900.0	0.8	-1.9	291.84	2.0
1,000.0	0.11	85.20	1,000.0	0.8	-1.8	292.94	2.0
1,100.0	0.19	136.17	1,100.0	0.7	-1.6	292.26	1.8

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Site:	Eddy County NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	North Pure Gold 8 Federal #15H	North Reference:	Grid
Wellbore:	VH- Job #32K0111033	Survey Calculation Method:	Minimum Curvature
Design:	VH- Job #32K0111033	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	0.12	198.96	1,200.0	0.4	-1.5	286.11	1.6
1,300.0	0.21	168.93	1,300.0	0.2	-1.5	276.16	1.5
1,400.0	0.17	167.57	1,400.0	-0.2	-1.5	263.85	1.5
1,500.0	0.17	233.21	1,500.0	-0.4	-1.6	255.87	1.6
1,600.0	0.20	221.65	1,600.0	-0.6	-1.8	251.17	1.9
1,700.0	0.15	181.89	1,700.0	-0.9	-1.9	245.49	2.1
1,800.0	0.07	257.94	1,800.0	-1.0	-2.0	242.80	2.2
1,900.0	0.18	231.94	1,900.0	-1.1	-2.2	242.48	2.4
2,000.0	0.14	261.67	2,000.0	-1.2	-2.4	242.72	2.7
2,100.0	0.14	209.86	2,100.0	-1.4	-2.6	242.20	2.9
2,200.0	0.15	291.91	2,200.0	-1.4	-2.8	242.84	3.1
2,300.0	0.04	321.76	2,300.0	-1.3	-2.9	245.22	3.2
2,400.0	0.15	15.36	2,400.0	-1.2	-2.9	247.67	3.1
2,500.0	0.32	330.76	2,500.0	-0.8	-3.0	254.69	3.1
2,600.0	0.50	332.96	2,600.0	-0.2	-3.3	266.75	3.3
2,700.0	0.74	330.31	2,700.0	0.8	-3.9	281.16	3.9
2,800.0	0.87	329.32	2,800.0	2.0	-4.6	293.40	5.0
2,900.0	0.82	329.48	2,900.0	3.2	-5.3	301.40	6.2
3,000.0	0.85	332.88	3,000.0	4.5	-6.0	306.93	7.5
3,100.0	0.80	332.03	3,099.9	5.8	-6.7	310.95	8.8
3,200.0	0.98	344.44	3,199.9	7.2	-7.2	315.00	10.2
3,300.0	0.94	27.03	3,299.9	8.8	-7.1	321.10	11.3
3,400.0	1.25	95.81	3,399.9	9.4	-5.6	329.09	11.0
3,500.0	1.36	107.60	3,499.9	8.9	-3.4	339.08	9.6
3,600.0	1.64	123.98	3,599.8	7.8	-1.1	351.95	7.9
3,700.0	2.12	131.55	3,699.8	5.8	1.5	14.32	5.9
3,800.0	2.60	140.67	3,799.7	2.8	4.3	57.10	5.1
3,900.0	2.53	140.77	3,899.6	-0.7	7.1	95.51	7.2
4,000.0	1.99	138.62	3,999.5	-3.7	9.7	110.94	10.4
4,100.0	1.59	138.43	4,099.5	-6.0	11.7	117.24	13.2
4,200.0	1.47	133.08	4,199.4	-8.0	13.6	120.34	15.8
4,300.0	1.31	131.89	4,299.4	-9.6	15.4	121.95	18.1
4,400.0	1.15	138.63	4,399.4	-11.1	16.9	123.33	20.2
4,500.0	1.11	123.22	4,499.4	-12.4	18.4	124.01	22.2
4,600.0	1.11	108.61	4,599.3	-13.2	20.1	123.36	24.1
4,700.0	0.99	108.00	4,699.3	-13.8	21.8	122.31	25.8
4,800.0	0.95	97.76	4,799.3	-14.2	23.5	121.14	27.4
4,900.0	0.65	98.52	4,899.3	-14.4	24.9	120.05	28.7
5,000.0	0.38	97.79	4,999.3	-14.5	25.8	119.41	29.6
5,100.0	0.48	96.98	5,099.3	-14.6	26.5	118.87	30.3
5,200.0	0.30	76.86	5,199.3	-14.6	27.2	118.26	30.8
5,300.0	0.29	78.09	5,299.3	-14.5	27.7	117.64	31.2
5,400.0	0.24	71.57	5,399.3	-14.4	28.1	117.07	31.6
5,500.0	0.29	68.35	5,499.3	-14.2	28.6	116.46	31.9

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Site:	Eddy County NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	North Pure Gold 8 Federal #15H	North Reference:	Grnd
Wellbore:	VH - Job #32K0111033	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0111033	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,600.0	0 08	10.95	5,599.3	-14.0	28.8	116.01	32.0
5,700.0	0 13	313.63	5,699.3	-13.9	28.7	115.82	31.9
5,800.0	0 30	277.91	5,799.3	-13.8	28.4	115.91	31.6
5,900.0	0 26	261.60	5,899.3	-13.8	27.9	116.29	31.1
6,000.0	0 41	229.07	5,999.3	-14.1	27.4	117.14	30.8
6,100.0	0 73	197.70	6,099.3	-14.9	26.9	118.93	30.8
6,200.0	0 77	190.40	6,199.3	-16.2	26.6	121.25	31.2
6,300.0	1.12	197.45	6,299.3	-17.8	26.2	124.11	31.7
6,400.0	1 15	195.66	6,399.2	-19.7	25.7	127.46	32.3
6,500.0	1 12	185.85	6,499.2	-21.6	25.3	130.50	33.2
6,600.0	1 00	159.09	6,599.2	-23.4	25.5	132.52	34.6
6,700.0	0 97	153.00	6,699.2	-24.9	26.2	133.61	36.2
6,800.0	0 97	138.40	6,799.2	-26.3	27.1	134.14	37.8
6,900.0	1 02	153.17	6,899.2	-27.8	28.1	134.66	39.5
7,000.0	0 73	174.62	6,999.2	-29.2	28.6	135.63	40.8
7,100.0	0 66	169.62	7,099.1	-30.4	28.7	136.62	41.8
7,200.0	0 81	179.14	7,199.1	-31.7	28.8	137.68	42.8
7,300.0	0 76	202.92	7,299.1	-33.0	28.6	139.08	43.7
7,400.0	1.00	204.63	7,399.1	-34.4	28.0	140.88	44.3
7,500.0	1.07	213.96	7,499.1	-36.0	27.1	143.01	45.0
7,600.0	1 24	209.74	7,599.1	-37.7	26.0	145.36	45.8
7,700.0	1.44	215.47	7,699.1	-39.6	24.8	148.01	46.7
7,791.0	1 59	207.49	7,790.0	-41.7	23.5	150.57	47.9



Scientific Drilling
Directional Drilling Operations

Project: Los Medanos
Eddy County, NM
Well: North Pure Gold 8 Federal #15H
Wellbore: VH - Job #32K0111033
Design: VH - Job #32K0111033

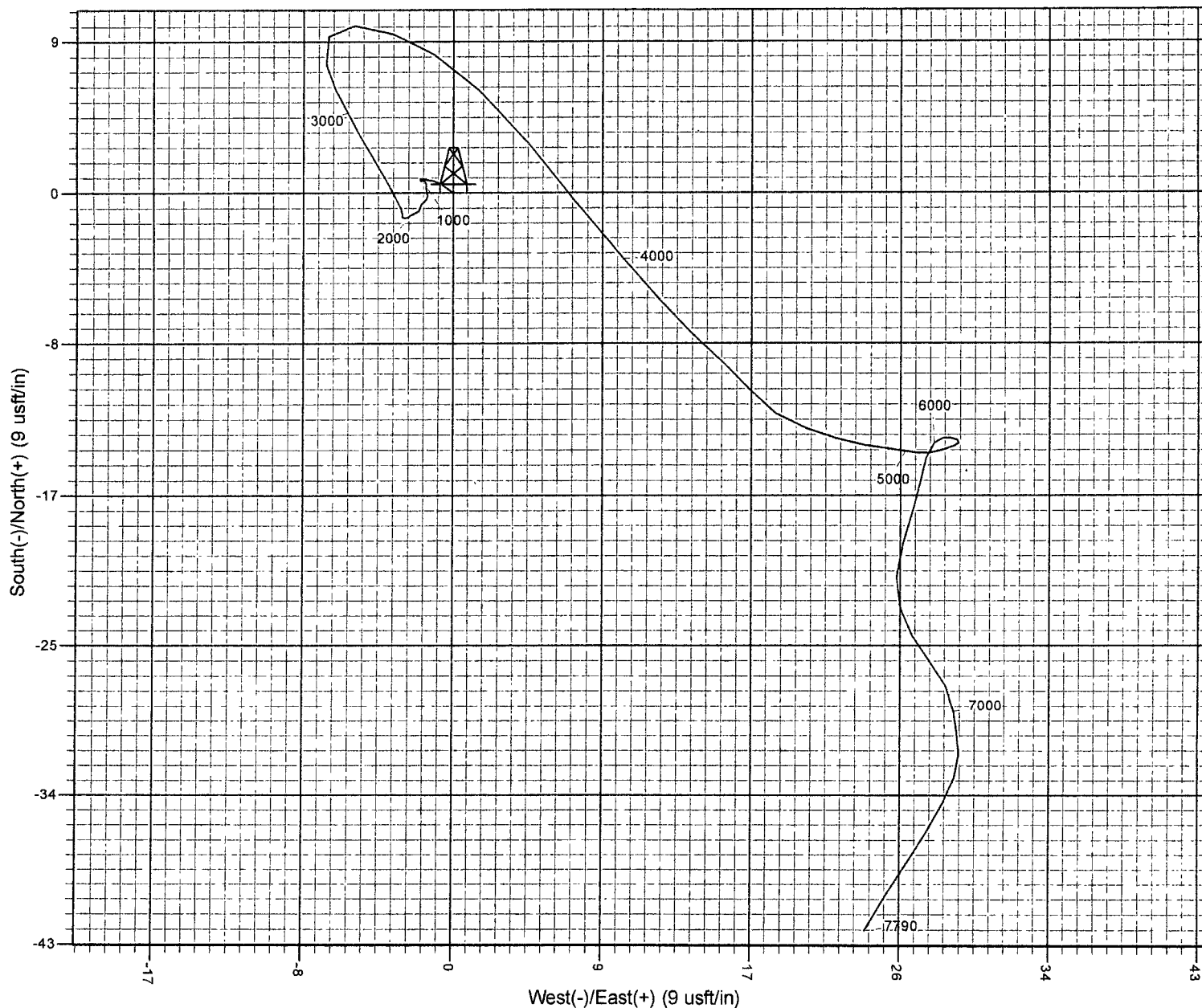


Azimuths to Grid North
True North: -0.29°
Magnetic North: 7.51°

Magnetic Field
Strength: 48746.7snT
Dip Angle: 60.24°
Date: 1/13/2011
Model: BGGM2010

WELL DETAILS: North Pure Gold 8 Federal #15H
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	477120.39	667119.02	32° 18' 38.020 N	103° 47' 32.650 W	



PROJECT DETAILS Los Medanos
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° 18' 43.760 N
Longitude: 103° 47' 48.600 W
Positional Uncertainty: 0.0
Convergence: 0.29
Local North: Grid