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HOBBSOCD

CHEVRON

Loco Hills, Paddock
Eddy County, NM
Skelly Unit #907
VH - Job #32K0910688

31385
30-015-~~31377~~

Survey: Actual

SDI Standard Survey Report

12 October, 2010

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

Richard

Notorized this date 13th of October, 2010.

Carrie Reed

Notary Signature
County of Midland
State of Texas



Scientific Drilling International, Inc.

SDI Standard Survey Report

Company:	CHEVRON	Local Co-ordinate Reference:	Well Skelly Unit #907
Project:	Loco Hills, Paddock	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Skelly Unit #907	North Reference:	True
Wellbore:	VH - Job #32K0910688	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0910688	Database:	EDM-Regulatory

Project	Loco Hills, Paddock		
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		

Well	Skelly Unit #907, Vertical			
Well Position	+N/-S	0.0 usft	Northing:	429,672.18 usft
	+E/-W	0.0 usft	Easting:	676,455.32 usft
Position Uncertainty	0.0 usft		Wellhead Elevation:	usft
			Ground Level:	0.0 usft

Wellbore	VH - Job #32K0910688				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	9/15/2010	7.82	60.14	48,706

Design	VH - Job #32K0910688				
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	337.34	

Survey Program	Date	10/12/2010			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	6,629.0	Actual (VH - Job #32K0910688)	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	0.28	42.54	100.0	0.2	0.2	42.54	0.2	
200.0	0.23	91.46	200.0	0.4	0.5	56.24	0.6	
300.0	0.20	64.03	300.0	0.4	0.9	64.37	1.0	
400.0	0.36	38.76	400.0	0.7	1.2	58.96	1.4	
500.0	0.46	27.96	500.0	1.3	1.6	50.38	2.1	
600.0	0.53	17.40	600.0	2.1	2.0	42.35	2.9	
700.0	0.73	24.05	700.0	3.2	2.4	36.60	3.9	
800.0	0.64	27.08	800.0	4.2	2.9	34.02	5.1	
900.0	0.69	27.01	900.0	5.3	3.4	32.73	6.3	
1,000.0	0.61	35.33	1,000.0	6.2	4.0	32.45	7.4	
1,100.0	0.62	40.23	1,100.0	7.1	4.6	33.13	8.5	
1,200.0	0.73	54.78	1,200.0	7.9	5.5	34.93	9.6	
1,300.0	1.52	60.94	1,299.9	8.9	7.2	38.93	11.4	
1,400.0	2.00	56.66	1,399.9	10.5	9.8	43.04	14.4	
1,500.0	2.22	63.43	1,499.8	12.3	13.0	46.52	17.9	
1,600.0	2.11	69.07	1,599.7	13.8	16.4	49.90	21.5	

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Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,700.0	1.92	73.43	1,699.7	15.0	19.8	52.85	24.8
1,800.0	1.31	77.03	1,799.6	15.7	22.5	55.06	27.4
1,900.0	0.83	57.40	1,899.6	16.4	24.2	55.95	29.2
2,000.0	0.74	28.42	1,999.6	17.3	25.1	55.43	30.5
2,100.0	0.75	4.10	2,099.6	18.5	25.5	53.96	31.5
2,200.0	0.95	341.61	2,199.6	20.0	25.3	51.67	32.2
2,300.0	1.20	325.48	2,299.6	21.6	24.4	48.46	32.6
2,400.0	1.49	316.62	2,399.6	23.4	22.9	44.37	32.8
2,500.0	1.79	311.06	2,499.5	25.4	20.9	39.38	32.9
2,600.0	1.96	311.64	2,599.5	27.6	18.4	33.72	33.1
2,700.0	2.18	308.52	2,699.4	29.9	15.6	27.61	33.7
2,800.0	2.31	310.52	2,799.3	32.4	12.6	21.28	34.8
2,900.0	2.49	310.98	2,899.2	35.1	9.4	15.05	36.4
3,000.0	2.62	311.99	2,999.1	38.1	6.1	9.11	38.6
3,100.0	2.60	315.90	3,099.0	41.2	2.8	3.92	41.3
3,200.0	2.27	314.97	3,198.9	44.3	-0.2	359.80	44.3
3,300.0	2.35	316.00	3,298.9	47.1	-3.0	356.38	47.2
3,400.0	2.37	333.85	3,398.8	50.5	-5.3	353.99	50.7
3,500.0	2.67	336.63	3,498.7	54.5	-7.2	352.52	54.9
3,600.0	2.49	332.87	3,598.6	58.5	-9.1	351.19	59.2
3,700.0	2.32	333.41	3,698.5	62.3	-11.0	350.02	63.2
3,800.0	2.40	332.52	3,798.4	65.9	-12.8	348.99	67.2
3,900.0	2.34	326.91	3,898.3	69.5	-14.9	347.89	71.1
4,000.0	2.08	322.02	3,998.2	72.6	-17.1	346.72	74.6
4,100.0	2.05	319.96	4,098.2	75.4	-19.4	345.57	77.9
4,200.0	1.69	312.10	4,198.1	77.8	-21.7	344.44	80.8
4,300.0	1.70	307.63	4,298.1	79.7	-23.9	343.29	83.2
4,400.0	1.60	309.75	4,398.0	81.5	-26.2	342.19	85.6
4,500.0	1.60	314.60	4,498.0	83.4	-28.2	341.29	88.0
4,600.0	1.49	317.84	4,598.0	85.3	-30.1	340.56	90.5
4,700.0	1.33	318.95	4,697.9	87.2	-31.7	339.99	92.8
4,800.0	1.34	331.22	4,797.9	89.1	-33.1	339.63	95.0
4,900.0	1.20	332.78	4,897.9	91.0	-34.1	339.45	97.2
5,000.0	1.26	332.34	4,997.9	92.9	-35.1	339.30	99.3
5,100.0	1.37	327.61	5,097.8	94.9	-36.3	339.09	101.6
5,200.0	1.59	325.53	5,197.8	97.0	-37.7	338.78	104.1
5,300.0	1.54	324.56	5,297.8	99.3	-39.2	338.43	106.8
5,400.0	1.77	330.41	5,397.7	101.7	-40.8	338.15	109.6
5,500.0	1.48	329.94	5,497.7	104.2	-42.2	337.95	112.4
5,600.0	1.51	324.87	5,597.6	106.4	-43.6	337.71	115.0
5,700.0	1.46	330.33	5,697.6	108.6	-45.0	337.49	117.5
5,800.0	1.71	328.52	5,797.6	110.9	-46.4	337.31	120.3
5,900.0	1.83	331.11	5,897.5	113.6	-47.9	337.12	123.3
6,000.0	1.89	317.55	5,997.5	116.2	-49.8	336.79	126.5

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Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
6,100.0	1.96	323.24	6,097.4	118.8	-52.0	336.38	129.7	
6,200.0	1.88	335.58	6,197.4	121.7	-53.7	336.20	133.0	
6,300.0	1.83	344.87	6,297.3	124.7	-54.8	336.29	136.2	
6,400.0	2.27	347.20	6,397.2	128.2	-55.6	336.54	139.7	
6,500.0	2.17	349.51	6,497.2	132.0	-56.4	336.86	143.5	
6,600.0	2.17	352.87	6,597.1	135.7	-57.0	337.22	147.2	
6,629.0	2.12	353.71	6,626.1	136.8	-57.1	337.34	148.2	



Scientific Drilling
Directional Drilling Operations

Project: Loco Hills, Paddock
Eddy County, NM
Well: Skelly Unit #907
Wellbore: VH - Job #32K0910688
Design: VH - Job #32K0910688

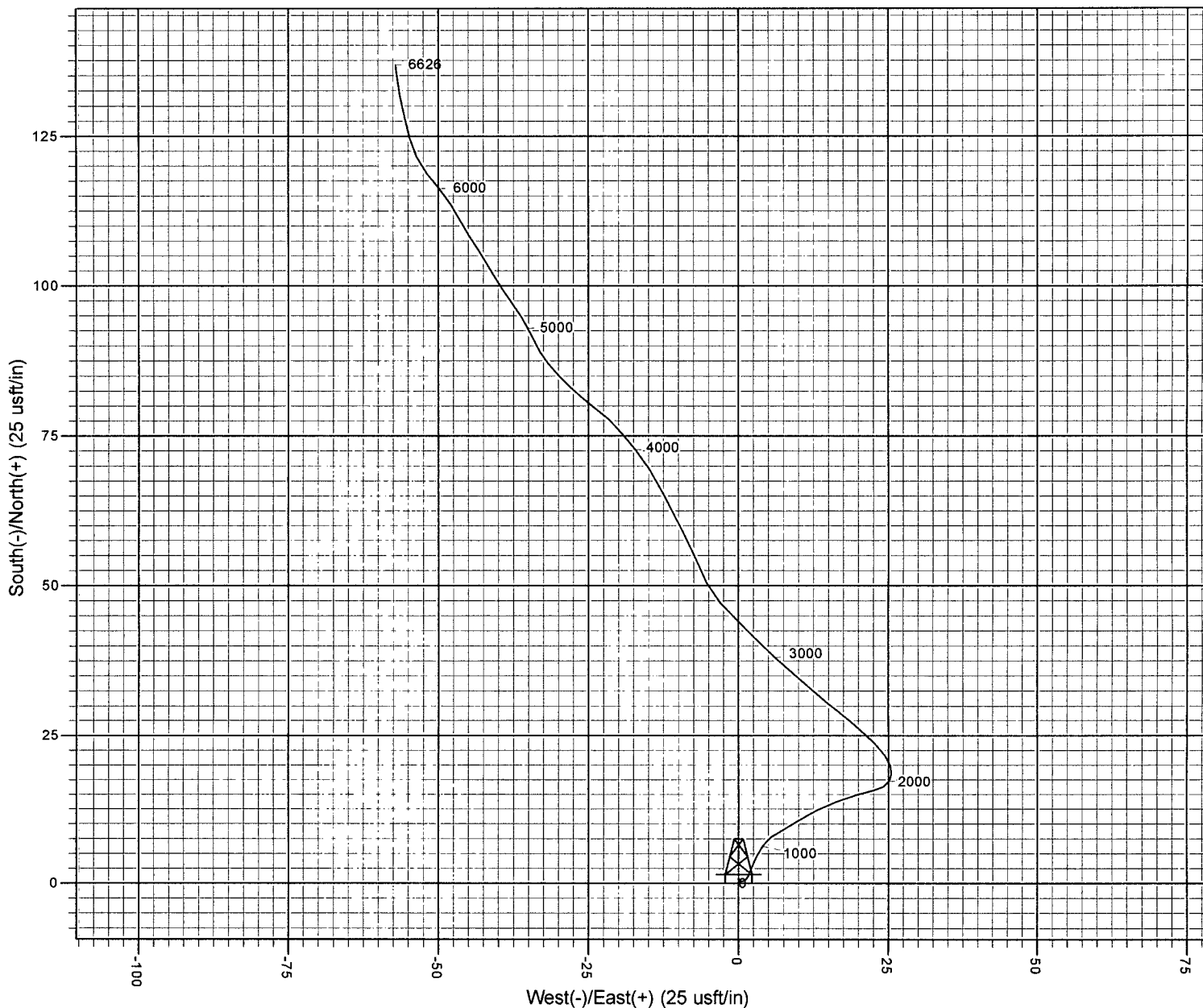


Azimuths to True North
Magnetic North: 7.82°

Magnetic Field
Strength: 48706.1snT
Dip Angle: 60.14°
Date: 9/15/2010
Model: BGGM2010

WELL DETAILS: Skelly Unit #907
WELL @ 0.0usft (Original Well Elev)
Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	429672.18	676455.32	32° 10' 48.000 N	103° 45' 46.800 W	



PROJECT DETAILS: Loco Hills, Paddock
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° 10' 48.000 N
Longitude: 103° 45' 46.800 W
Positional Uncertainty: 0.0
Convergence: 0.30
Local North: True