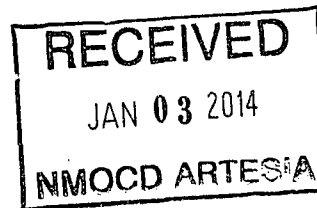


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DEVON ENERGY

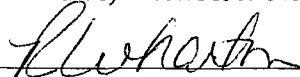
Wildcat (Eddy County, NM)
Eddy County, NM
West Sugart "30" Federal #9
VH - Job #320413-KW-436



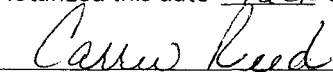
Survey: Gyro

SDI Standard Survey Report

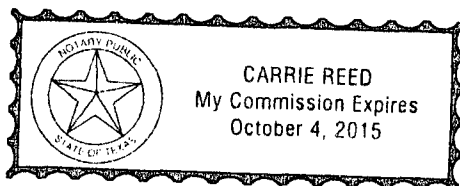
This survey is correct to the best of my knowledge and is supported by actual field data.

_____

Notarized this date June of May, 2013.

_____

Notary Signature
County of Midland
State of Texas



Scientific Drilling

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well West Sugart "30" Federal #9
Project:	Wildcat (Eddy County, NM)	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	West Sugart "30" Federal #9	North Reference:	Grid
Wellbore:	VH - Job #320413-KW-436	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #320413-KW-436	Database:	EDM-Regulatory

Project	Wildcat (Eddy County, NM)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site		Eddy County, NM			
Site Position:		Northing:	387,530.63 usft	Latitude:	32° 3' 50.850 N
From:	Lat/Long	Easting:	717,555.20 usft	Longitude:	103° 45' 52.110 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16"	Grid Convergence:	0.30 °

Well	West Sugart "30" Federal #9, Vertical					
Well Position	+N/-S	0.00 usft	Northing:	622,289.33 usft	Latitude:	32° 42' 36.000 N
	+E/-W	0.00 usft	Easting:	671,544.98 usft	Longitude:	103° 54' 36.000 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	usft	Ground Level:	0.00 usft

Wellbore: VH - Job #320413-KW-436					
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	IGRF2010	04/23/13	7.55	60.53	48,712

Design:		VH - Job #320413-KW-436			
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.00	0.00	0.00	23.85	

Survey Program:		Date: 05/16/13		
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description
100.00	10,187.00	Gyro (VH - Job #320413-KW-436)	Keeper	Keeper Gyro

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
100.00	0.11	51.20	100.00	0.06	0.07	51.20	0.10
200.00	0.06	209.76	200.00	0.07	0.12	58.81	0.14
300.00	0.49	8.01	300.00	0.45	0.16	19.15	0.48
400.00	0.51	353.57	400.00	1.32	0.17	7.22	1.33
500.00	0.68	8.94	499.99	2.35	0.21	5.10	2.36
600.00	0.54	2.91	599.98	3.40	0.33	5.46	3.42
700.00	0.78	306.61	699.98	4.28	-0.20	357.37	4.28
800.00	0.85	325.05	799.97	5.29	-1.17	347.56	5.42
900.00	0.99	315.52	899.96	6.52	-2.20	341.36	6.88
1,000.00	1.09	335.89	999.94	8.00	-3.19	338.25	8.62
1,100.00	1.02	347.96	1,099.92	9.74	-3.77	338.86	10.44

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well: West Sugart "30" Federal #9
Project:	Wildcat (Eddy County, NM)	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	West Sugart "30" Federal #9	North Reference:	Grid
Wellbore:	VH - Job #320413-KW-436	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #320413-KW-436	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,200.00	0.92	0.07	1,199.91	11.42	-3.95	340.91	12.08
1,300.00	0.42	352.23	1,299.90	12.58	-4.00	342.36	13.20
1,400.00	0.15	285.22	1,399.90	12.98	-4.18	342.17	13.63
1,500.00	0.21	29.25	1,499.90	13.17	-4.21	342.27	13.83
1,600.00	0.80	45.32	1,599.90	13.82	-3.63	345.30	14.29
1,700.00	1.33	57.48	1,699.88	14.94	-2.15	351.80	15.09
1,800.00	1.78	53.98	1,799.84	16.48	0.08	0.29	16.48
1,900.00	1.58	56.63	1,899.80	18.15	2.49	7.82	18.32
2,000.00	1.48	47.63	1,999.76	19.78	4.60	13.08	20.30
2,100.00	1.64	34.76	2,099.73	21.82	6.37	16.26	22.73
2,200.00	2.29	23.64	2,199.67	24.83	7.98	17.82	26.08
2,300.00	2.79	16.71	2,299.57	28.99	9.48	18.12	30.50
2,400.00	3.26	11.98	2,399.43	34.10	10.77	17.53	35.76
2,500.00	3.37	8.77	2,499.26	39.79	11.81	16.54	41.50
2,600.00	2.78	7.29	2,599.12	45.10	12.57	15.57	46.82
2,700.00	2.47	13.81	2,699.01	49.60	13.39	15.11	51.37
2,800.00	2.02	12.36	2,798.94	53.41	14.28	14.97	55.29
2,900.00	1.71	16.61	2,898.88	56.56	15.09	14.93	58.54
3,000.00	1.60	10.16	2,998.84	59.37	15.76	14.87	61.42
3,100.00	1.86	4.93	3,098.79	62.36	16.14	14.52	64.41
3,200.00	1.54	11.84	3,198.75	65.29	16.56	14.23	67.36
3,300.00	1.68	17.96	3,298.71	68.00	17.29	14.26	70.16
3,400.00	1.44	10.42	3,398.67	70.63	17.97	14.27	72.88
3,500.00	1.72	17.20	3,498.64	73.30	18.64	14.27	75.63
3,600.00	1.59	20.10	3,598.59	76.03	19.56	14.43	78.51
3,700.00	1.46	10.32	3,698.56	78.59	20.26	14.46	81.16
3,800.00	1.87	15.65	3,798.52	81.41	20.93	14.42	84.06
3,900.00	1.70	20.88	3,898.47	84.37	21.90	14.55	87.17
4,000.00	1.72	20.77	3,998.42	87.16	22.96	14.76	90.13
4,100.00	1.40	14.26	4,098.39	89.75	23.79	14.85	92.85
4,200.00	1.69	15.29	4,198.35	92.35	24.48	14.85	95.54
4,300.00	1.56	1.95	4,298.31	95.14	24.92	14.68	98.35
4,400.00	1.51	13.45	4,398.27	97.78	25.27	14.49	100.99
4,500.00	1.29	18.36	4,498.24	100.13	25.93	14.52	103.43
4,600.00	1.38	13.09	4,598.22	102.37	26.56	14.54	105.76
4,700.00	0.88	350.87	4,698.20	104.30	26.71	14.36	107.67
4,800.00	0.90	348.30	4,798.19	105.83	26.43	14.02	109.08
4,900.00	1.14	357.73	4,898.17	107.59	26.23	13.70	110.74
5,000.00	1.07	2.83	4,998.15	109.52	26.24	13.47	112.62
5,100.00	1.40	25.53	5,098.13	111.55	26.81	13.51	114.73
5,200.00	1.38	27.81	5,198.10	113.72	27.90	13.78	117.09
5,300.00	1.11	21.18	5,298.08	115.69	28.81	13.98	119.22
5,400.00	1.40	17.71	5,398.05	117.76	29.53	14.08	121.40
5,500.00	1.17	22.53	5,498.03	119.86	30.29	14.18	123.63

Scientific Drilling International, Inc.

SDI Standard Survey Report



Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well West Sugart "30" Federal #9
Project:	Wildcat (Eddy County, NM)	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	West Sugart "30" Federal #9	North Reference:	Grid
Wellbore:	VH - Job #320413-KW-436	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #320413-KW-436	Database:	EDM-Regulatory

Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
5,600.00	1.15	19.45	5,598.01	121.75	31.02	14.29	125.64
5,700.00	1.15	22.19	5,697.99	123.63	31.73	14.40	127.63
5,800.00	0.87	16.08	5,797.97	125.29	32.32	14.47	129.39
5,900.00	1.20	11.49	5,897.95	127.04	32.74	14.45	131.19
6,000.00	1.11	357.26	5,997.93	129.03	32.90	14.31	133.16
6,100.00	1.54	1.51	6,097.91	131.35	32.89	14.06	135.40
6,200.00	1.43	357.94	6,197.87	133.94	32.88	13.79	137.91
6,300.00	1.48	356.14	6,297.84	136.47	32.75	13.50	140.35
6,400.00	1.45	343.50	6,397.81	138.97	32.31	13.09	142.68
6,500.00	1.25	350.78	6,497.78	141.26	31.77	12.68	144.79
6,600.00	1.49	359.81	6,597.75	143.64	31.59	12.40	147.07
6,700.00	1.56	352.90	6,697.72	146.29	31.42	12.12	149.63
6,800.00	1.04	354.25	6,797.69	148.54	31.16	11.85	151.78
6,900.00	0.78	6.09	6,897.68	150.12	31.14	11.72	153.32
7,000.00	0.44	17.61	6,997.67	151.17	31.33	11.71	154.38
7,100.00	0.23	90.18	7,097.67	151.53	31.65	11.80	154.80
7,200.00	0.35	127.88	7,197.67	151.34	32.09	11.97	154.71
7,300.00	0.86	177.40	7,297.66	150.41	32.36	12.14	153.85
7,400.00	0.97	173.29	7,397.65	148.82	32.50	12.32	152.32
7,500.00	1.68	168.58	7,497.62	146.54	32.89	12.65	150.18
7,600.00	1.69	173.51	7,597.58	143.64	33.34	13.07	147.46
7,700.00	1.96	172.18	7,697.53	140.48	33.74	13.51	144.47
7,800.00	1.85	167.63	7,797.48	137.21	34.32	14.04	141.43
7,900.00	2.22	168.53	7,897.41	133.73	35.05	14.69	138.25
8,000.00	1.75	163.15	7,997.35	130.37	35.88	15.39	135.22
8,100.00	1.60	141.51	8,097.31	127.82	37.19	16.22	133.12
8,200.00	1.56	146.43	8,197.27	125.59	38.81	17.17	131.45
8,300.00	1.23	137.98	8,297.24	123.66	40.28	18.04	130.06
8,400.00	1.09	122.53	8,397.22	122.35	41.80	18.86	129.30
8,500.00	1.21	131.64	8,497.20	121.14	43.40	19.71	128.68
8,600.00	0.98	130.17	8,597.18	119.88	44.84	20.51	128.00
8,700.00	0.81	135.80	8,697.17	118.83	45.98	21.16	127.41
8,800.00	0.82	133.59	8,797.16	117.83	46.99	21.74	126.85
8,900.00	0.92	129.94	8,897.15	116.82	48.13	22.39	126.34
9,000.00	0.65	133.76	8,997.14	115.91	49.15	22.98	125.90
9,100.00	0.61	145.30	9,097.13	115.08	49.87	23.43	125.42
9,200.00	0.55	150.26	9,197.13	114.23	50.41	23.81	124.85
9,300.00	0.47	196.79	9,297.13	113.42	50.53	24.01	124.16
9,400.00	0.28	166.86	9,397.12	112.79	50.46	24.11	123.56
9,500.00	0.19	239.18	9,497.12	112.46	50.38	24.13	123.23
9,600.00	0.27	222.30	9,597.12	112.20	50.08	24.05	122.87
9,700.00	0.34	184.70	9,697.12	111.73	49.89	24.06	122.37
9,800.00	0.24	193.14	9,797.12	111.23	49.82	24.13	121.88
9,900.00	0.13	78.29	9,897.12	111.05	49.89	24.19	121.74

Company:	DEVON ENERGY	Local Co-ordinate Reference:	Well West Sugart "30" Federal #9
Project:	Wildcat (Eddy County, NM)	TVD Reference:	WELL @ 0.00usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.00usft (Original Well Elev)
Well:	West Sugart "30" Federal #9	North Reference:	Grid
Wellbore:	VH - Job #320413-KW-436	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #320413-KW-436	Database:	EDM-Regulatory

Survey								
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)	
9,999.07	0.06	349.70	9,996.19	111.13	49.99	24.22	121.85	
10,024.49	0.20	3.24	10,021.61	111.18	49.99	24.21	121.90	
10,049.50	0.34	9.08	10,046.62	111.30	50.00	24.19	122.02	
10,073.76	0.23	339.46	10,070.88	111.42	49.99	24.17	122.12	
10,099.98	0.42	349.94	10,097.10	111.56	49.96	24.12	122.24	
10,124.90	0.49	352.87	10,122.02	111.76	49.93	24.07	122.40	
10,149.06	0.48	332.42	10,146.18	111.95	49.87	24.01	122.55	
10,174.69	0.59	299.10	10,171.81	112.11	49.71	23.91	122.63	
10,187.00	0.93	245.49	10,184.11	112.10	49.56	23.85	122.56	

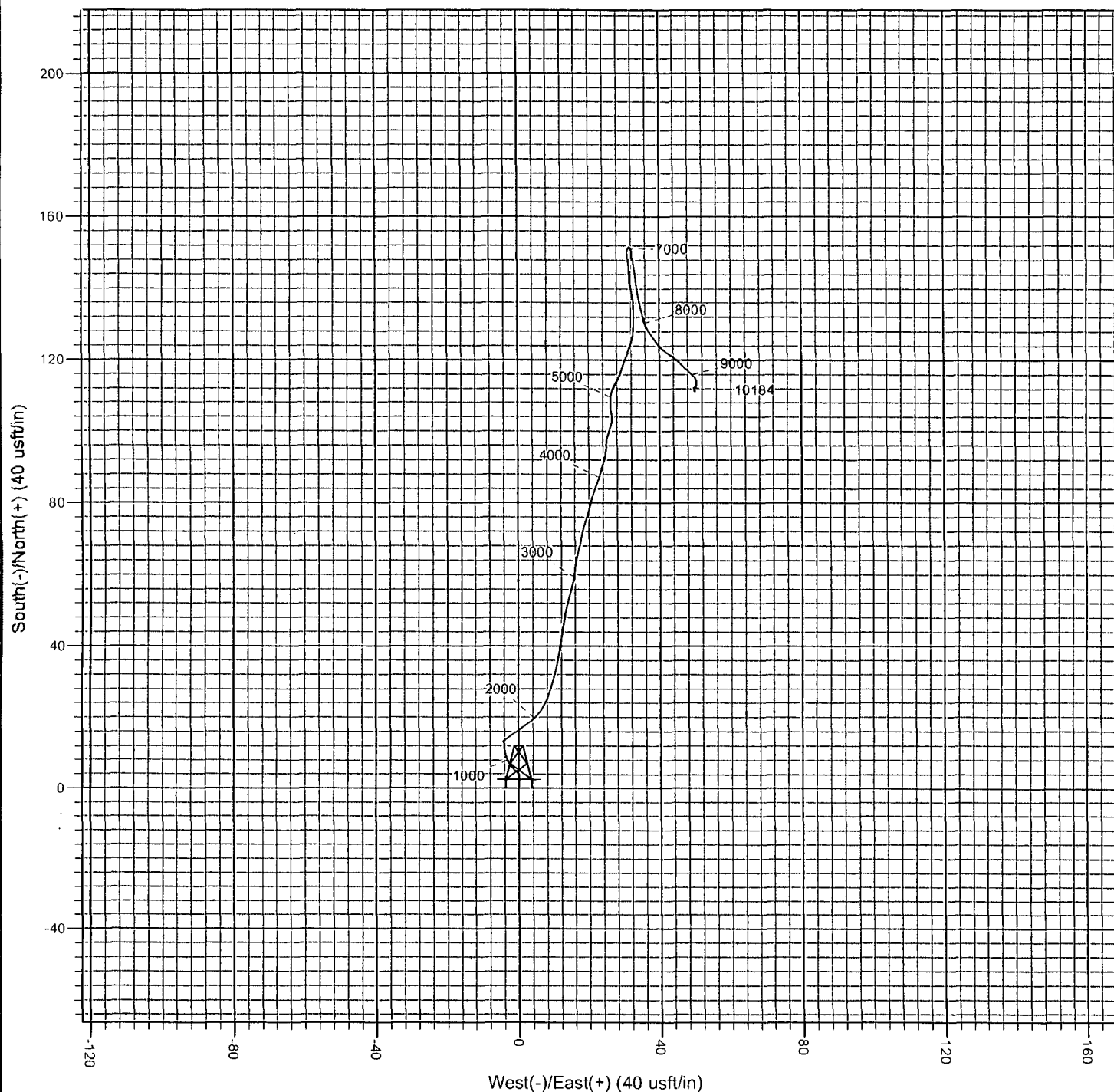


Scientific Drilling

Project: Wildcat (Eddy County, NM)
Eddy County, NM
Well: West Sugar "30" Federal #9
Wellbore: VH - Job #320413-KW-436
Design: VH - Job #320413-KW-436

WELL DETAILS: West Sugar "30" Federal #9
WELL @ 0.00usft (Original Well Elev)
Ground Level: 0.00

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.00	0.00	622289.33	671544.98	32° 42' 36.000 N	103° 54' 36.000 W	



PROJECT DETAILS: Wildcat (Eddy County, NM)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level

SITE DETAILS: Eddy County, NM
Site Centre Latitude: 32° 3' 50.850 N
Longitude: 103° 45' 52.110 W
Positional Uncertainty: 0.00
Convergence: 0.30
Local North: Grid