

30-015-37940

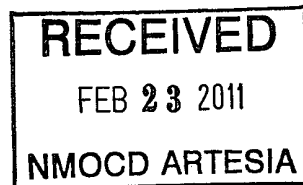
MARBOB ENERGY

Hay Hollow
Eddy County, NM
Myox 30 Fee #10H
VH - Job #32K0910662

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.

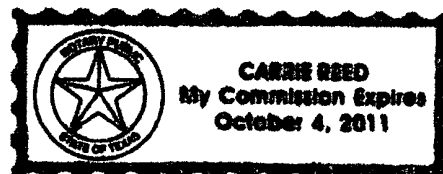
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Notorized this date 13th of October, 2010.

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Notary Signature
County of Midland
State of Texas

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Scientific Drilling International, Inc.
SDI Standard Survey Report

Company:	MARBOB ENERGY	Local Co-ordinate Reference:	Well Myox 30 Fee #10H
Project:	Hay Hollow	TVD Reference:	WELL @ 0.0usft (Original Well Elev)
Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Myox 30 Fee #10H	North Reference:	Grid
Wellbore:	VH - Job #32K0910662	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0910662	Database:	EDM-Regulatory

Project	Hay Hollow		
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	Myox 30 Fee #10H, Directional (DDC)				
Well Position	+N/-S	0.0 usft	Northing:	403,071.02 usft	Latitude: 32° 6' 28.800 N
	+E/-W	0.0 usft	Easting:	562,029.42 usft	Longitude: 104° 7' 58.800 W
Position Uncertainty		0.0 usft	Wellhead Elevation:	usft	Ground Level: 0.0 usft

Wellbore	VH - Job #32K0910662				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2010	9/8/2010	7.99	60.00	48,616

Design	VH - Job #32K0910662				
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	179.59	

Survey Program	Date	9/8/2010			
From (usft)	To (usft)	Survey (Wellbore)	Tool Name	Description	
100.0	5,863.0	Actual (VH - Job #32K0910662)	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	0.82	77.17	100.0	0.2	0.7	77.17	0.7
200.0	4.74	83.02	199.9	0.8	5.5	81.52	5.6
300.0	3.16	83.09	299.6	1.7	12.3	82.36	12.4
400.0	2.60	75.99	399.5	2.5	17.3	81.65	17.5
500.0	2.50	69.71	499.4	3.8	21.5	79.88	21.9
600.0	1.68	50.20	599.3	5.5	24.7	77.37	25.3
700.0	0.98	6.24	699.3	7.3	25.9	74.22	26.9
800.0	0.88	336.75	799.3	8.9	25.7	70.94	27.2
900.0	0.97	309.36	899.3	10.1	24.7	67.75	26.7
1,000.0	1.09	298.15	999.3	11.1	23.2	64.47	25.8
1,100.0	1.20	298.71	1,099.2	12.1	21.5	60.71	24.6
1,200.0	1.11	311.73	1,199.2	13.2	19.9	56.37	23.8
1,300.0	1.25	322.35	1,299.2	14.7	18.5	51.44	23.6
1,400.0	1.11	318.66	1,399.2	16.3	17.2	46.46	23.7
1,500.0	1.25	298.56	1,499.2	17.6	15.6	41.55	23.5
1,600.0	1.12	323.08	1,599.1	18.9	14.0	36.62	23.5

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Site:	Eddy County, NM	MD Reference:	WELL @ 0.0usft (Original Well Elev)
Well:	Myox 30 Fee #10H	North Reference:	Grid
Wellbore:	VH - Job #32K0910662	Survey Calculation Method:	Minimum Curvature
Design:	VH - Job #32K0910662	Database:	EDM-Regulatory

Survey							
Measured Depth (usft)	Inclination (°)	Azimuth (°)	True Vertical Depth	North/South (usft)	East/West (usft)	Closure Azimuth (°)	Closure Distance (usft)
1,700.0	0.69	342.31	1,699.1	20.2	13.2	33.23	24.2
1,800.0	2.24	43.95	1,799.1	22.2	14.4	33.01	26.5
1,900.0	3.06	61.42	1,899.0	24.9	18.1	36.06	30.8
2,000.0	3.58	74.96	1,998.8	27.0	23.5	41.04	35.8
2,100.0	2.97	84.66	2,098.7	28.0	29.1	46.06	40.4
2,200.0	2.75	87.41	2,198.5	28.4	34.0	50.20	44.3
2,300.0	2.37	86.48	2,298.4	28.6	38.5	53.40	48.0
2,400.0	2.18	80.64	2,398.4	29.0	42.4	55.63	51.4
2,500.0	2.11	80.88	2,498.3	29.6	46.1	57.29	54.8
2,600.0	1.81	74.65	2,598.2	30.3	49.5	58.48	58.0
2,700.0	1.91	76.16	2,698.2	31.2	52.6	59.37	61.2
2,800.0	1.73	75.93	2,798.1	31.9	55.7	60.18	64.2
2,900.0	1.68	76.27	2,898.1	32.6	58.6	60.88	67.1
3,000.0	1.40	71.97	2,998.0	33.4	61.2	61.39	69.7
3,100.0	0.95	34.36	3,098.0	34.4	62.8	61.27	71.6
3,200.0	0.83	11.92	3,198.0	35.8	63.4	60.54	72.8
3,300.0	0.74	6.40	3,298.0	37.2	63.6	59.71	73.7
3,400.0	0.81	6.29	3,398.0	38.5	63.8	58.88	74.5
3,500.0	0.80	2.25	3,498.0	39.9	63.9	58.01	75.3
3,600.0	0.78	355.30	3,598.0	41.3	63.9	57.12	76.1
3,700.0	0.53	348.94	3,698.0	42.4	63.7	56.35	76.6
3,800.0	0.18	226.28	3,798.0	42.8	63.5	56.05	76.6
3,900.0	0.27	217.05	3,898.0	42.5	63.3	56.12	76.2
4,000.0	0.25	223.80	3,998.0	42.1	63.0	56.22	75.8
4,100.0	0.25	244.27	4,098.0	41.9	62.6	56.23	75.3
4,200.0	0.27	256.61	4,198.0	41.7	62.2	56.14	74.9
4,300.0	0.14	262.15	4,298.0	41.7	61.9	56.04	74.6
4,400.0	0.14	171.70	4,398.0	41.5	61.8	56.08	74.4
4,500.0	0.23	187.07	4,498.0	41.2	61.7	56.29	74.2
4,600.0	0.22	178.72	4,598.0	40.8	61.7	56.53	74.0
4,700.0	0.40	86.46	4,698.0	40.6	62.1	56.79	74.2
4,800.0	0.58	79.23	4,798.0	40.8	62.9	57.07	75.0
4,900.0	0.77	82.32	4,897.9	40.9	64.1	57.43	76.0
5,000.0	0.81	90.63	4,997.9	41.0	65.5	57.92	77.3
5,100.0	0.81	97.94	5,097.9	40.9	66.9	58.54	78.4
5,200.0	0.87	97.67	5,197.9	40.7	68.3	59.20	79.5
5,300.0	0.90	99.97	5,297.9	40.5	69.8	59.90	80.7
5,400.0	0.88	96.71	5,397.9	40.3	71.4	60.58	81.9
5,500.0	0.85	114.60	5,497.9	39.9	72.8	61.31	83.0
5,600.0	0.83	127.44	5,597.9	39.1	74.1	62.17	83.8
5,700.0	1.15	144.53	5,697.9	37.9	75.2	63.29	84.2
5,800.0	1.00	165.77	5,797.8	36.2	76.0	64.54	84.2
5,863.0	1.16	185.96	5,860.8	35.0	76.1	65.29	83.8



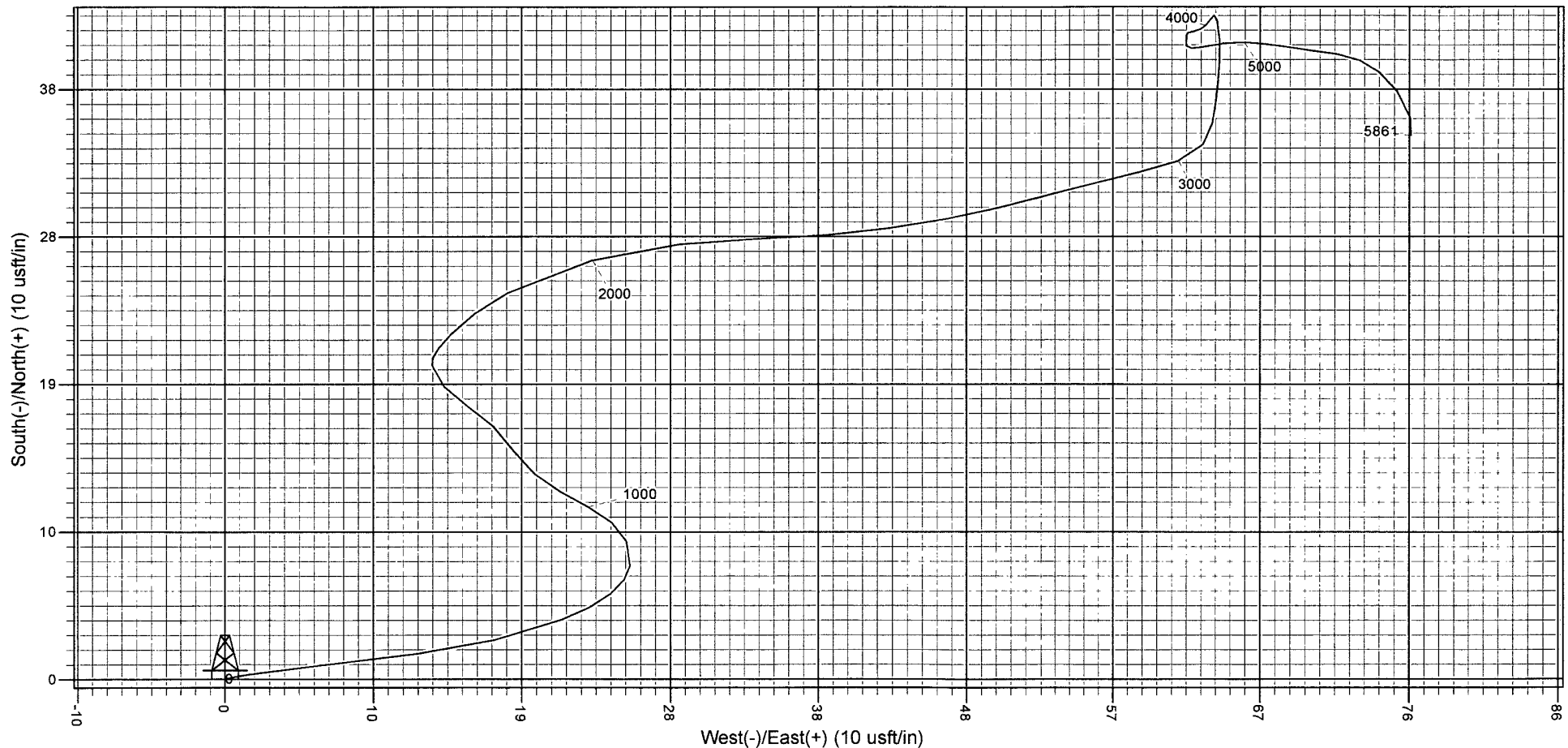
Project: Hay Hollow
 Eddy County, NM
 Well: Myox 30 Fee #10H
 Wellbore: VH - Job #32K0910662
 Design: VH - Job #32K0910662



Azimuths to Grid North
 True North: -0.11°
 Magnetic North: 7.88°
 Magnetic Field
 Strength: 48616.3snT
 Dip Angle: 60.00°
 Date: 9/8/2010
 Model: BGGM2010

WELL DETAILS: Myox 30 Fee #10H
 WELL @ 0.0usft (Original Well Elev)
 Ground Level: 0.0

+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	403071.02	562029.42	32° 6' 28.800 N	104° 7' 58.800 W	



PROJECT DETAILS: Hay Hollow
 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° 6' 35.355 N
 Longitude: 104° 8' 1.700 W
 Positional Uncertainty: 0.0
 Convergence: 0.11
 Local North: Grid