

DISTRICT I
1825 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-8181 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

Form C-102
Revised August 1, 2011

Submit one copy to appropriate
District Office

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

☐ AMENDED REPORT
☒ AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-039-31239		*Pool Code 17610	*Pool Name DEVILS FORK GALLUP
*Property Code 313619	*Property Name CLU 2506-11		*Well Number 2H
*GRID No. 208706	*Operator Name HUNTINGTON ENERGY CONFIDENTIAL		*Elevation 6765'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	WEST/West line	County
H	11	25N	6W		2511'	NORTH	10'	EAST	RIO ARRIBA

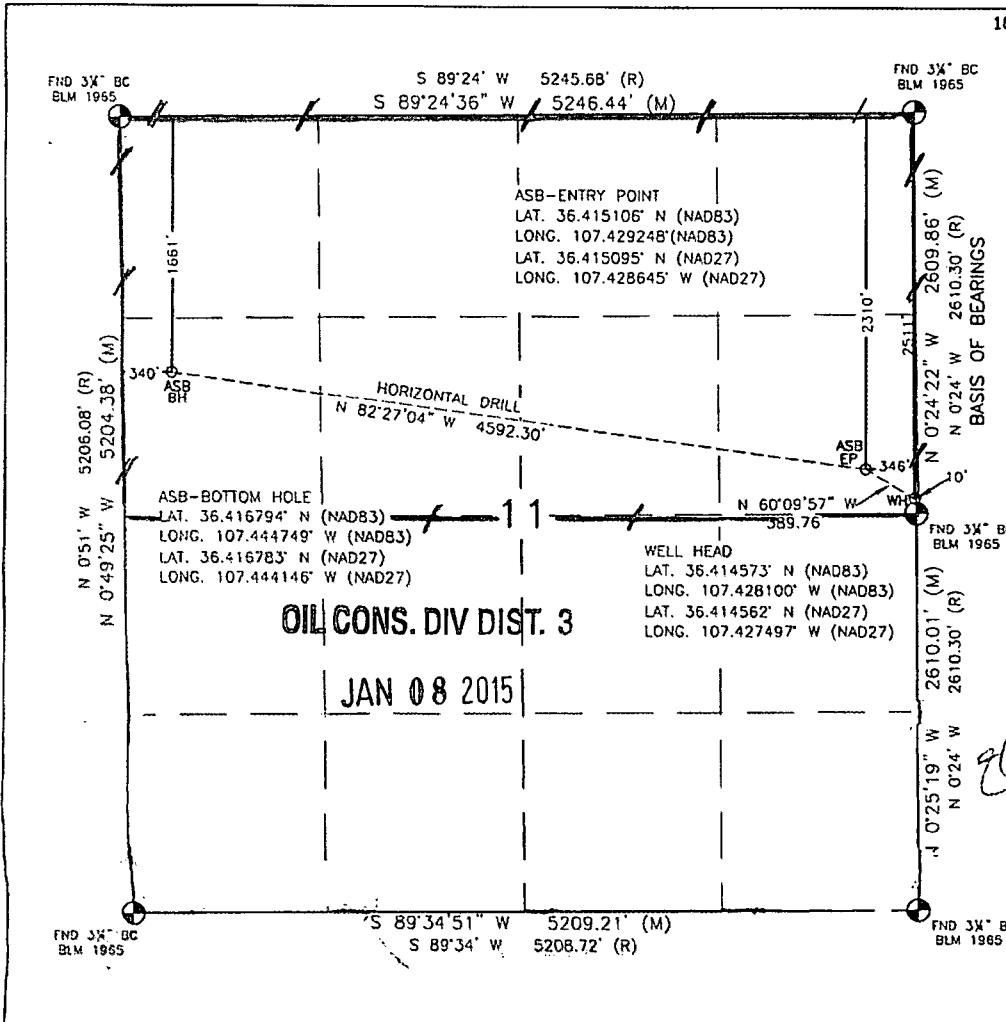
¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	WEST/West line	County
E	11	25N	6W		1661'	NORTH	340'	WEST	RIO ARRIBA

¹² Dedicated Acres 320 ACRES		¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSL-7133
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16



17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Catherine Smith
Signature Date

Catherine Smith
Printed Name

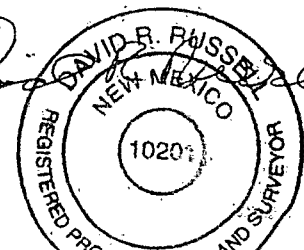
csmith@huntingtonenergy.com
E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

AS-BUILT SURVEY-OCT. 17, 2014
FEBRUARY 17, 2014

Date of Survey
Signature and Seal of Professional Surveyor:



DAVID RUSSELL
Certificate Number 10201

Huntington Energy

Project: Rio Arriba (NM83C)
Site: Sec 11-T25N-R6W
Well: CLU 25-06-11 #2H
Wellbore: Actual
Design: 09-12-14



Azimuths to True North
Magnetic North: 9.38°

Magnetic Field
Strength: 50364.9nT
Dip Angle: 63.18°
Date: 04/04/2014
Model: IGRF2010

WOLVERINE

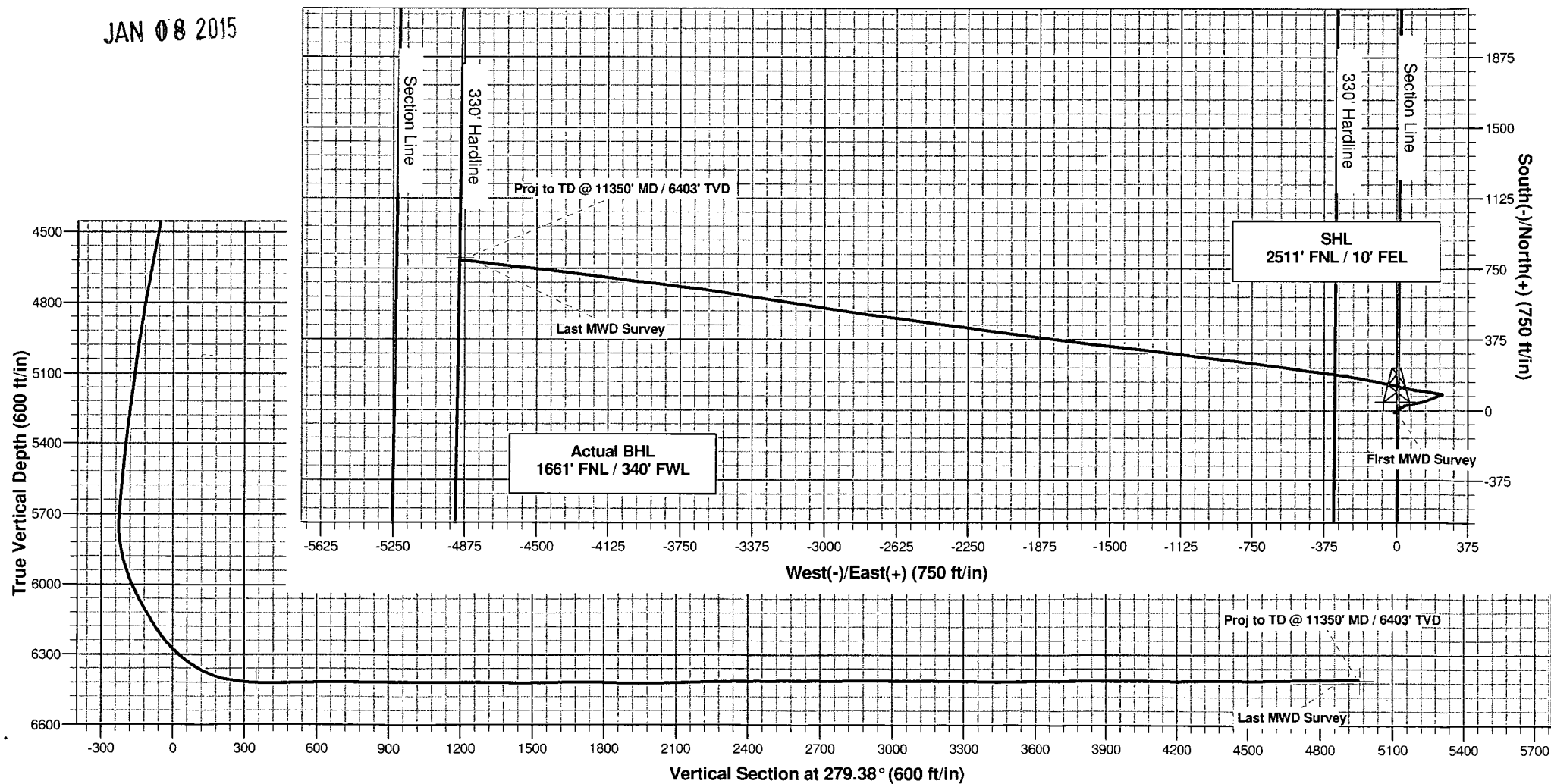
DIRECTIONAL

WELL DETAILS: CLU 25-06-11 #2H

+N-S	+E-W	Northing	Ground Level:	0.0	Longitude
0.0	0.0	1972290.51	Easting	1293781.03	36° 24' 52.463 N
			Latitude	107° 25' 41.160 W	
			SHL 2511' FNL / 10' FEL		
			Actual BHL 1661' FNL / 340' FWL		

OIL CONS. DIV DIST. 3

JAN 08 2015



Huntington Energy

Rio Arriba (NM83C)

Sec 11-T25N-R6W

CLU 25-06-11 #2H

Actual

Survey: Survey #1

Standard Survey Report

22 September, 2014

Wolverine Directinal, LLC

Survey Report

Company:	Huntington Energy	Local Co-ordinate Reference:	Well CLU 25-06-11 #2H
Project:	Rio Arriba (NM83C)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 11-T25N-R6W	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	CLU 25-06-11 #2H	North Reference:	True
Wellbore:	Actual	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

Project	Rio Arriba (NM83C)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Central Zone		

Survey Program	Date 2014/09/22		
From (ft)	To (ft)	Survey (Wellbore)	Tool Name
489.0	11,350.0	Survey #1 (Actual)	mwd
			Description
			MWD - Standard

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
489.0	0.26	211.00	489.0	-1.0	-0.6	0.4	0.05	0.05	0.00
First MWD Survey									
584.0	0.26	203.97	584.0	-1.3	-0.8	0.5	0.03	0.00	-7.40
674.0	0.18	252.05	674.0	-1.6	-1.0	0.7	0.22	-0.09	53.42
769.0	0.44	230.25	769.0	-1.8	-1.4	1.1	0.30	0.27	-22.95
862.0	0.44	229.55	862.0	-2.3	-2.0	1.6	0.01	0.00	-0.75
956.0	0.35	216.01	956.0	-2.8	-2.4	1.9	0.14	-0.10	-14.40
1,051.0	0.18	216.01	1,051.0	-3.1	-2.7	2.1	0.18	-0.18	0.00
1,146.0	0.53	225.42	1,146.0	-3.6	-3.1	2.4	0.37	0.37	9.91
1,237.0	0.44	259.43	1,237.0	-3.9	-3.7	3.0	0.33	-0.10	37.37
1,332.0	0.44	228.67	1,332.0	-4.2	-4.3	3.6	0.25	0.00	-32.38
1,426.0	0.35	233.06	1,426.0	-4.6	-4.8	4.0	0.10	-0.10	4.67
1,519.0	0.18	235.44	1,519.0	-4.9	-5.2	4.3	0.18	-0.18	2.56
1,614.0	0.26	244.05	1,614.0	-5.1	-5.5	4.6	0.09	0.08	9.06
1,708.0	0.53	219.61	1,708.0	-5.5	-6.0	5.0	0.33	0.29	-26.00
1,801.0	0.44	216.98	1,801.0	-6.1	-6.5	5.4	0.10	-0.10	-2.83
1,896.0	0.62	236.58	1,896.0	-6.7	-7.1	5.9	0.27	0.19	20.63
1,989.0	0.53	264.79	1,989.0	-7.0	-8.0	6.7	0.32	-0.10	30.33
2,085.0	0.62	240.09	2,085.0	-7.3	-8.8	7.5	0.27	0.09	-25.73
2,177.0	0.70	244.14	2,177.0	-7.8	-9.8	8.4	0.10	0.09	4.40
2,273.0	0.79	246.86	2,272.9	-8.3	-10.9	9.4	0.10	0.09	2.83
2,367.0	0.79	244.75	2,366.9	-8.8	-12.1	10.5	0.03	0.00	-2.24
2,462.0	0.26	87.34	2,461.9	-9.1	-12.5	10.8	1.09	-0.56	-165.70
2,556.0	0.88	63.26	2,555.9	-8.8	-11.6	10.0	0.69	0.66	-25.62
2,651.0	0.88	84.88	2,650.9	-8.4	-10.2	8.7	0.35	0.00	22.76
2,742.0	0.70	83.12	2,741.9	-8.3	-9.0	7.5	0.20	-0.20	-1.93
2,838.0	0.62	96.22	2,837.9	-8.2	-7.9	6.4	0.18	-0.08	13.65
2,932.0	0.35	99.47	2,931.9	-8.3	-7.1	5.7	0.29	-0.29	3.46
3,026.0	0.26	30.30	3,025.9	-8.2	-6.7	5.3	0.38	-0.10	-73.59
3,121.0	0.09	291.86	3,120.9	-8.0	-6.7	5.3	0.30	-0.18	-103.62
3,215.0	0.26	28.54	3,214.9	-7.8	-6.6	5.3	0.30	0.18	102.85
3,307.0	0.18	322.27	3,306.9	-7.5	-6.6	5.3	0.27	-0.09	-72.03
3,399.0	0.18	16.50	3,398.9	-7.2	-6.7	5.4	0.18	0.00	58.95
3,494.0	0.26	306.19	3,493.9	-7.0	-6.8	5.6	0.28	0.08	-74.01
3,589.0	0.26	342.57	3,588.9	-6.6	-7.1	5.9	0.17	0.00	38.29
3,682.0	0.18	349.17	3,681.9	-6.3	-7.1	6.0	0.09	-0.09	7.10
3,777.0	0.53	21.77	3,776.9	-5.7	-7.0	6.0	0.41	0.37	34.32
3,873.0	2.02	48.84	3,872.9	-4.2	-5.6	4.8	1.63	1.55	28.20
3,962.0	3.87	58.51	3,961.7	-1.6	-1.8	1.5	2.15	2.08	10.87
4,052.0	5.10	56.67	4,051.5	2.2	4.1	-3.7	1.38	1.37	-2.04

Wolverine Directinal, LLC

Survey Report

Company:	Huntington Energy	Local Co-ordinate Reference:	Well CLU 25-06-11 #2H
Project:	Rio Arriba (NM83C)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 11-T25N-R6W	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	CLU 25-06-11 #2H	North Reference:	True
Wellbore:	Actual	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
4,144.0	6.51	51.92	4,143.0	7.7	11.6	-10.2	1.62	1.53	-5.16
4,239.0	9.32	53.59	4,237.1	15.5	22.1	-19.2	2.97	2.96	1.76
4,334.0	10.20	62.47	4,330.7	24.0	35.7	-31.3	1.83	0.93	9.35
4,428.0	11.08	73.63	4,423.1	30.4	51.8	-46.1	2.38	0.94	11.87
4,522.0	10.99	78.37	4,515.4	34.7	69.2	-62.6	0.97	-0.10	5.04
4,617.0	11.17	78.99	4,608.6	38.3	87.1	-79.7	0.23	0.19	0.65
4,712.0	10.82	80.66	4,701.9	41.5	104.9	-96.8	0.50	-0.37	1.76
4,806.0	10.73	80.84	4,794.2	44.4	122.3	-113.4	0.10	-0.10	0.19
4,900.0	9.67	70.99	4,886.7	48.3	138.4	-128.7	2.17	-1.13	-10.48
4,995.0	9.32	69.59	4,980.4	53.6	153.1	-142.4	0.44	-0.37	-1.47
5,090.0	8.71	68.44	5,074.2	58.9	167.0	-155.2	0.67	-0.64	-1.21
5,183.0	8.44	69.15	5,166.2	63.9	180.0	-167.1	0.31	-0.29	0.76
5,278.0	7.91	71.17	5,260.2	68.5	192.7	-178.9	0.63	-0.56	2.13
5,373.0	7.47	70.02	5,354.4	72.8	204.7	-190.1	0.49	-0.46	-1.21
5,467.0	6.86	70.02	5,447.6	76.8	215.7	-200.3	0.65	-0.65	0.00
5,562.0	6.42	67.21	5,542.0	80.8	225.9	-209.7	0.58	-0.46	-2.96
5,655.0	5.45	70.38	5,634.5	84.3	234.9	-218.0	1.10	-1.04	3.41
5,677.0	5.28	71.08	5,656.4	84.9	236.8	-219.8	0.83	-0.77	3.18
5,708.0	5.28	69.85	5,687.3	85.9	239.5	-222.3	0.37	0.00	-3.97
5,739.0	4.13	66.86	5,718.2	86.8	241.9	-224.5	3.79	-3.71	-9.65
5,770.0	1.32	4.46	5,749.1	87.6	242.9	-225.4	11.96	-9.06	-201.29
5,801.0	3.69	287.47	5,780.1	88.3	242.0	-224.4	11.70	7.65	-248.36
5,832.0	7.12	281.67	5,811.0	89.0	239.2	-221.5	11.19	11.06	-18.71
5,864.0	10.64	277.36	5,842.6	89.7	234.3	-216.5	11.19	11.00	-13.47
5,895.0	13.37	277.36	5,872.9	90.6	227.9	-210.1	8.81	8.81	0.00
5,927.0	14.95	278.24	5,903.9	91.6	220.1	-202.3	4.98	4.94	2.75
5,957.0	17.15	280.87	5,932.8	93.0	212.0	-194.0	7.72	7.33	8.77
5,989.0	19.96	281.49	5,963.1	95.0	202.0	-183.8	8.80	8.78	1.94
6,021.0	22.77	281.75	5,992.9	97.3	190.6	-172.1	8.79	8.78	0.81
6,053.0	25.15	280.79	6,022.1	99.9	177.8	-159.2	7.54	7.44	-3.00
6,084.0	26.73	279.47	6,050.0	102.3	164.5	-145.6	5.43	5.10	-4.26
6,116.0	28.23	276.65	6,078.4	104.3	149.8	-130.8	6.20	4.69	-8.81
6,146.0	29.63	274.99	6,104.7	105.8	135.4	-116.4	5.38	4.67	-5.53
6,177.0	29.81	275.69	6,131.6	107.2	120.1	-101.0	1.26	0.58	2.26
6,209.0	30.16	277.45	6,159.3	109.0	104.2	-85.1	2.96	1.09	5.50
6,239.0	31.92	279.91	6,185.0	111.4	88.9	-69.6	7.23	5.87	8.20
6,271.0	34.91	281.58	6,211.7	114.7	71.6	-52.0	9.77	9.34	5.22
6,302.0	38.43	282.90	6,236.6	118.6	53.5	-33.5	11.64	11.35	4.26
6,334.0	42.21	283.77	6,261.0	123.4	33.4	-12.8	11.94	11.81	2.72
6,365.0	45.90	283.33	6,283.2	128.4	12.4	8.7	11.94	11.90	-1.42
6,397.0	49.33	282.28	6,304.8	133.7	-10.6	32.2	10.99	10.72	-3.28
6,428.0	52.94	282.19	6,324.3	138.8	-34.2	56.3	11.65	11.65	-0.29
6,460.0	56.98	282.46	6,342.6	144.4	-59.8	82.5	12.64	12.63	0.84
6,491.0	60.50	281.93	6,358.7	150.0	-85.7	109.0	11.45	11.35	-1.71
6,522.0	64.72	281.67	6,373.0	155.6	-112.6	136.5	13.63	13.61	-0.84
6,554.0	69.20	281.49	6,385.5	161.5	-141.5	165.9	14.01	14.00	-0.56
6,586.0	73.69	281.31	6,395.7	167.5	-171.2	196.2	14.04	14.03	-0.56
6,617.0	77.73	279.91	6,403.3	173.0	-200.7	226.2	13.75	13.03	-4.52
6,649.0	81.87	278.41	6,409.0	178.0	-231.8	257.7	13.74	12.94	-4.69
6,740.6	86.87	278.52	6,418.0	191.5	-322.0	348.9	5.46	5.45	0.12
CLU 25-06-11 #2H EP Actual									
6,757.0	87.76	278.54	6,418.7	193.9	-338.1	365.2	5.46	5.45	0.12
6,788.0	89.08	277.99	6,419.6	198.3	-368.8	396.2	4.61	4.26	-1.77
6,819.0	90.92	277.80	6,419.6	202.6	-399.5	427.2	5.97	5.94	-0.61

Wolverine Directinal, LLC

Survey Report

Company:	Huntington Energy	Local Co-ordinate Reference:	Well CLU 25-06-11 #2H
Project:	Rio Arriba (NM83C)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 11-T25N-R6W	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	CLU 25-06-11 #2H	North Reference:	True
Wellbore:	Actual	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
6,911.0	91.45	277.56	6,417.7	214.9	-490.7	519.1	0.63	0.58	-0.26
7,005.0	91.10	278.26	6,415.6	227.8	-583.7	613.1	0.83	-0.37	0.74
7,098.0	89.60	277.87	6,415.0	240.9	-675.8	706.0	1.67	-1.61	-0.42
7,191.0	89.52	277.03	6,415.7	252.9	-768.0	799.0	0.91	-0.09	-0.90
7,283.0	90.22	277.00	6,416.0	264.2	-859.3	890.9	0.76	0.76	-0.03
7,377.0	89.34	277.20	6,416.3	275.8	-952.6	984.8	0.96	-0.94	0.21
7,469.0	89.60	277.01	6,417.2	287.2	-1,043.9	1,076.7	0.35	0.28	-0.21
7,562.0	90.57	277.15	6,417.0	298.6	-1,136.2	1,169.7	1.05	1.04	0.15
7,654.0	89.34	277.08	6,417.1	310.0	-1,227.5	1,261.6	1.34	-1.34	-0.08
7,746.0	89.43	276.67	6,418.1	321.0	-1,318.8	1,353.5	0.46	0.10	-0.45
7,839.0	90.22	276.73	6,418.4	331.9	-1,411.2	1,446.4	0.85	0.85	0.06
7,932.0	90.48	276.42	6,417.8	342.5	-1,503.6	1,539.3	0.44	0.28	-0.33
8,025.0	91.45	276.93	6,416.2	353.3	-1,595.9	1,632.2	1.18	1.04	0.55
8,120.0	89.43	276.70	6,415.5	364.6	-1,690.2	1,727.1	2.14	-2.13	-0.24
8,213.0	88.29	276.82	6,417.4	375.6	-1,782.6	1,819.9	1.23	-1.23	0.13
8,303.0	89.34	277.57	6,419.2	386.8	-1,871.8	1,909.9	1.43	1.17	0.83
8,398.0	90.48	277.90	6,419.4	399.6	-1,966.0	2,004.8	1.25	1.20	0.35
8,490.0	91.10	277.76	6,418.1	412.1	-2,057.1	2,096.8	0.69	0.67	-0.15
8,583.0	92.07	278.27	6,415.5	425.1	-2,149.2	2,189.7	1.18	1.04	0.55
8,675.0	90.75	277.49	6,413.3	437.7	-2,240.3	2,281.6	1.67	-1.43	-0.85
8,769.0	90.75	277.47	6,412.0	450.0	-2,333.5	2,375.6	0.02	0.00	-0.02
8,862.0	90.40	277.19	6,411.1	461.8	-2,425.7	2,468.5	0.48	-0.38	-0.30
8,954.0	90.57	278.14	6,410.3	474.1	-2,516.9	2,560.5	1.05	0.18	1.03
9,046.0	89.52	277.88	6,410.3	486.9	-2,608.0	2,652.5	1.18	-1.14	-0.28
9,140.0	90.13	277.75	6,410.5	499.7	-2,701.1	2,746.4	0.66	0.65	-0.14
9,234.0	90.40	278.16	6,410.1	512.7	-2,794.2	2,840.4	0.52	0.29	0.44
9,328.0	90.04	278.63	6,409.7	526.4	-2,887.2	2,934.4	0.63	-0.38	0.50
9,423.0	89.60	279.12	6,410.0	541.1	-2,981.0	3,029.4	0.69	-0.46	0.52
9,516.0	90.31	279.31	6,410.1	556.0	-3,072.8	3,122.4	0.79	0.76	0.20
9,609.0	89.16	278.83	6,410.5	570.6	-3,164.7	3,215.4	1.34	-1.24	-0.52
9,702.0	89.87	278.68	6,411.3	584.8	-3,256.6	3,308.4	0.78	0.76	-0.16
9,795.0	89.25	278.70	6,412.0	598.8	-3,348.5	3,401.3	0.67	-0.67	0.02
9,889.0	90.40	279.04	6,412.3	613.3	-3,441.4	3,495.3	1.28	1.22	0.36
9,982.0	91.19	278.98	6,411.0	627.9	-3,533.2	3,588.3	0.85	0.85	-0.06
10,075.0	90.31	277.71	6,409.8	641.4	-3,625.2	3,681.3	1.66	-0.95	-1.37
10,169.0	89.96	277.42	6,409.6	653.8	-3,718.4	3,775.3	0.48	-0.37	-0.31
10,263.0	89.52	277.15	6,410.0	665.7	-3,811.7	3,869.2	0.55	-0.47	-0.29
10,354.0	90.40	277.19	6,410.1	677.0	-3,901.9	3,960.1	0.97	0.97	0.04
10,449.0	89.34	277.34	6,410.3	689.1	-3,996.2	4,055.1	1.13	-1.12	0.16
10,542.0	89.25	277.09	6,411.5	700.7	-4,088.4	4,148.0	0.29	-0.10	-0.27
10,635.0	90.57	277.27	6,411.6	712.4	-4,180.7	4,240.9	1.43	1.42	0.19
10,730.0	90.92	277.17	6,410.4	724.3	-4,274.9	4,335.8	0.38	0.37	-0.11
10,821.0	89.52	277.02	6,410.0	735.5	-4,365.2	4,426.8	1.55	-1.54	-0.16
10,915.0	89.96	276.78	6,410.4	746.8	-4,458.6	4,520.7	0.53	0.47	-0.26
11,007.0	90.57	276.54	6,410.0	757.5	-4,549.9	4,612.6	0.71	0.66	-0.26
11,099.0	91.45	276.33	6,408.4	767.8	-4,641.3	4,704.4	0.98	0.96	-0.23
11,191.0	90.40	276.58	6,406.9	778.2	-4,732.8	4,796.3	1.17	-1.14	0.27
11,285.0	91.71	277.00	6,405.2	789.3	-4,826.1	4,890.2	1.46	1.39	0.45
Last MWD Survey									
11,350.0	91.71	277.00	6,403.2	797.2	-4,890.6	4,955.1	0.00	0.00	0.00
Proj to TD - CLU 25-06-11 #2H Actual									

Wolverine Directinal, LLC

Survey Report

Company:	Huntington Energy	Local Co-ordinate Reference:	Well CLU 25-06-11 #2H
Project:	Rio Arriba (NM83C)	TVD Reference:	WELL @ 0.0ft (Original Well Elev)
Site:	Sec 11-T25N-R6W	MD Reference:	WELL @ 0.0ft (Original Well Elev)
Well:	CLU 25-06-11 #2H	North Reference:	True
Wellbore:	Actual	Survey Calculation Method:	Minimum Curvature
Design:	Actual	Database:	EDM 2003.21 Single User Db

Survey Annotations				
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
489.0	489.0	-1.0	-0.6	First MWD Survey
11,285.0	6,405.2	789.3	-4,826.1	Last MWD Survey
11,350.0	6,403.2	797.2	-4,890.6	Proj to TD

Checked By: _____ Approved By: _____ Date: _____