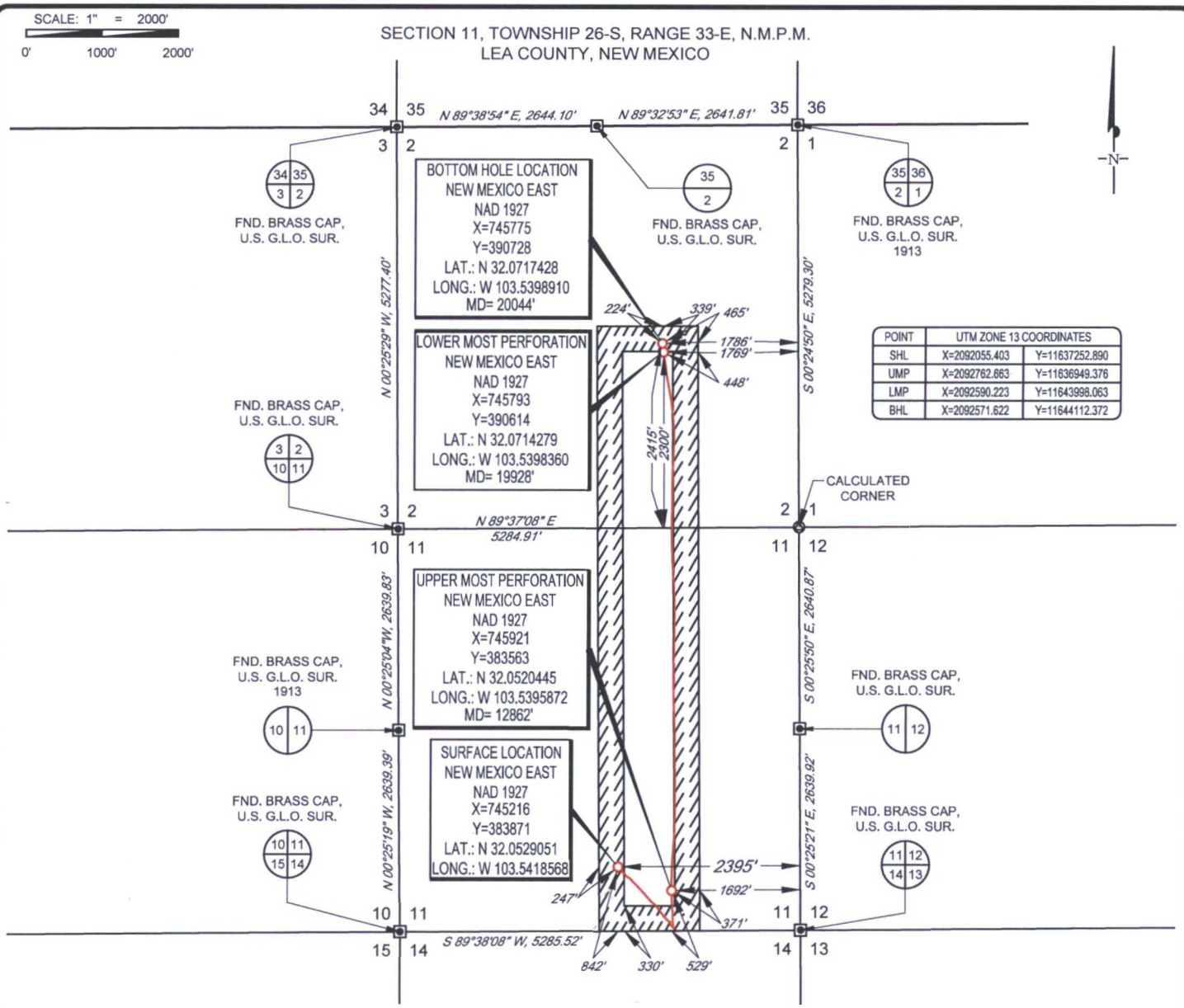


POINT	UTM ZONE 13 COORDINATES	
SHL	X=2092055.403	Y=11637252.890
UMP	X=2092762.663	Y=11636949.376
LMP	X=2092590.223	Y=11643998.063
BHL	X=2092571.622	Y=11644112.372

LEASE NAME & WELL NO.: WHIRLING WIND 11 FED COM #703H

SECTION 11 TWP 26-S RGE 33-E SURVEY N.M.P.M.

COUNTY LEA STATE NM ELEVATION 3345'

DESCRIPTION 842' FSL & 2395' FEL

MICHAEL B. BROWN
NEW MEXICO
18329
PROFESSIONAL SURVEYOR

Michael Blake Brown, P.S. No. 18329
FEBRUARY 20, 2017

TOPOGRAPHIC
LOYALTY INNOVATION LEGACY
1400 EVERMAN PARKWAY, Ste. 197 • FT. WORTH, TEXAS 76140
TELEPHONE: (817) 744-7512 • FAX (817) 744-7548
2903 NORTH BIG SPRING • MIDLAND, TEXAS 79705
TELEPHONE: (432) 682-1653 OR (800) 767-1653 • FAX (432) 682-1743
WWW.TOPOGRAPHIC.COM

eog resources, inc.

WHIRLING WIND 11 FED COM #703H AS-COMPLETED	REVISION:
DATE: 02/20/17	
FILE: AD_WHIRLINGWIND11FEDCOM_703H	
DRAWN BY: A.C.C.	
SHEET : 1 OF 1	

NOTES:
1. ORIGINAL DOCUMENT SIZE: 8.5" X 1 1"
2. ALL BEARINGS, DISTANCES, AND COORDINATE VALUES CONTAINED HEREIN ARE GRID BASED UPON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM, EAST ZONE, U.S. SURVEY FEET, NORTH AMERICAN DATUM 19 27.
3. THIS WELL LOCATION SHOWN HEREON HAS BEEN SURVEYED ON THE GROUND UNDER MY SUPERVISION AND PREPARED ACCORDING TO THE EVIDENCE FOUND AT THE TIME OF SURVEY, AND DATA PROVIDED BY EOG RESOURCES, INC. THIS CERTIFICATION IS MADE AND LIMITED TO THOSE PERSONS OR ENTITIES SHOWN ON THE FACE OF THIS PLAT AND IS NON-TRANSFERABLE. THIS SURVEY IS CERTIFIED FOR THIS TRANSACTION ONLY.

Y:\SURVEY\EOG_MIDLAND\WHIRLING_WIND_11_FED\FINAL_PRODUCTS\AD_WHIRLINGWIND11FEDCOM_703H.DWG 2/21/2017 8:36:29 AM tstewart

eog resources

PROJECT DETAILS: Lea County, NM (NAD 27 NME)	
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

Lea County, NM (NAD 27 NME)

Whirling Wind 11 Fed Com #703H

H&P 465

Plan #2

Azimuths to Grid North
True North: -0.42°
Magnetic North: 6.59°

Magnetic Field
Strength: 47922.4snT
Dip Angle: 59.92°
Date: 8/28/2016
Model: IGRF2015

To convert a Magnetic Direction to a Grid Direction, Add 6.59°
To convert a Magnetic Direction to a True Direction, Add 7.01° East
To convert a True Direction to a Grid Direction, Subtract 0.42°

WELL DETAILS: #703H

Ground Level: 3345.0
KB = 25 @ 3370.0usft (H&P 465)

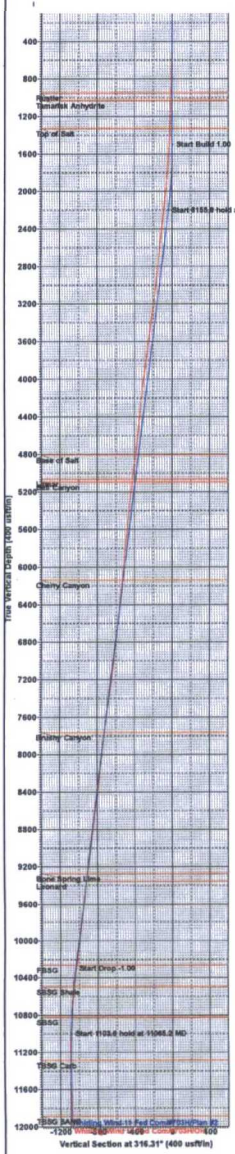
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
0.0	0.0	383871.00	745216.00	32° 3' 10.459 N	103° 32' 30.684 W	

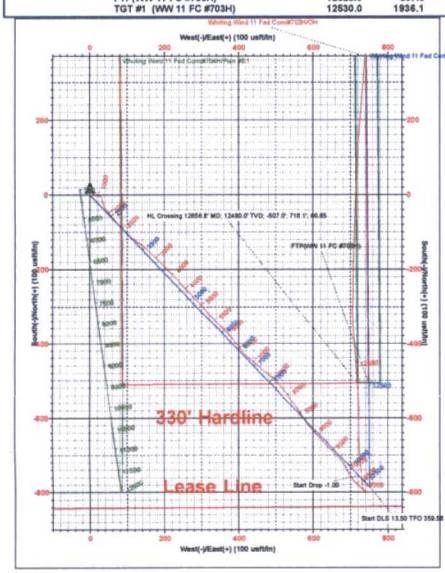
SECTION DETAILS

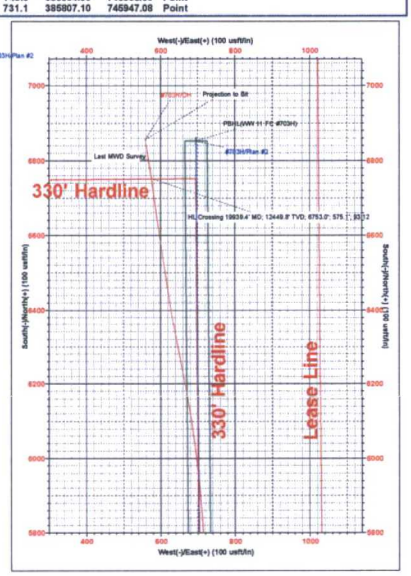
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSect	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1500.0	0.00	0.00	1500.0	0.0	0.0	0.00	0.00	0.0	
3	2204.7	7.05	136.31	2202.9	-31.3	29.9	1.00	136.31	-28.1	
4	10360.5	7.05	136.31	10297.1	-754.8	721.1	0.00	0.00	-678.2	
5	11065.2	0.00	0.00	11000.0	-786.1	751.0	1.00	180.00	-706.3	
6	12168.8	0.00	0.00	12103.6	-786.1	751.0	0.00	0.00	-706.3	
7	12835.1	89.95	359.58	12528.0	-362.0	747.9	13.50	359.58	-284.7	
8	15133.2	89.95	359.58	12530.0	1936.1	731.1	0.00	0.00	2000.0	TGT #1 (WW 11 FC #703H)
9	15146.9	90.22	359.58	12530.0	1949.7	731.0	2.00	-0.21	2013.5	
10	16943.9	90.22	359.58	12523.0	3746.7	717.8	0.00	0.00	3800.0	TGT #2 (WW 11 FC #703H)
11	16955.1	90.00	359.58	12523.0	3757.8	717.7	2.00	180.00	3811.1	
12	20050.3	90.00	359.58	12523.0	6853.0	695.0	0.00	0.00	6888.2	PBHL(WW 11 FC #703H)

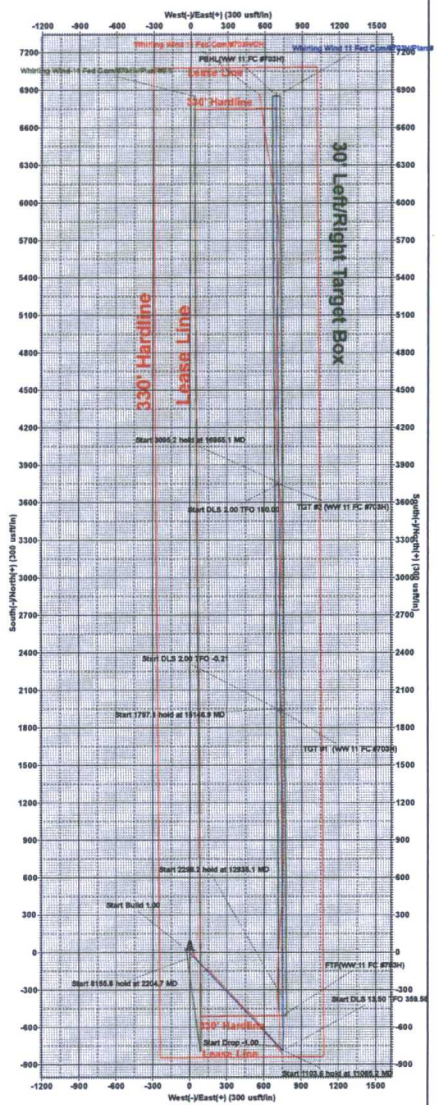
WELLBORE TARGET DETAILS (MAP CO-ORDINATES)

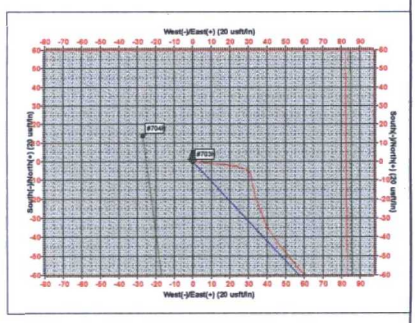
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL(WW 11 FC #703H)	12523.0	6853.0	695.0	390724.00	745911.00	Rectangle (Sides: L0.0 W60.0)
TGT #2 (WW 11 FC #703H)	12523.0	3746.7	717.8	387617.70	745933.79	Point
FTP(WW 11 FC #703H)	12528.0	-507.0	749.0	383364.00	745965.00	Point
TGT #1 (WW 11 FC #703H)	12530.0	1936.1	731.1	385807.10	745947.08	Point

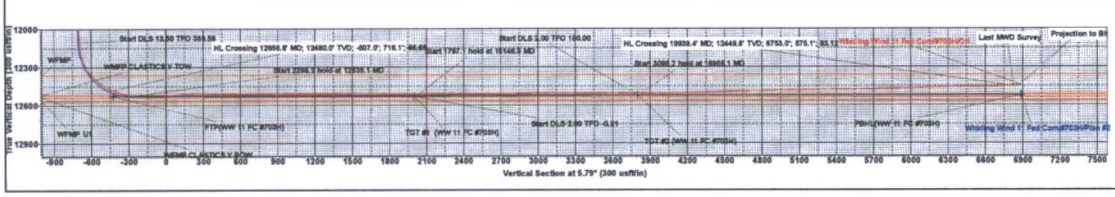












Operator: **EOG Resources**
Lease Name: **Whirling Wind 11 Fed Com #703H**
Job Number: **IDS - 1415**
Survey Company: **Intrepid**

Target KBTVD: 12449
Target Angle: 91.1°
Section Plane: 5.79°
Declination Correction: 6.59

#	Survey Depth	Inc. (Deg.)	Azimuth (Deg.)	Course Length	TVD (Ft.)	Vertical Section	+N/-S (Ft.)	+E/-W (Ft.)	BUR	DLS	KBTVD	-Below Target
Tie In	0	0.0	0	0	0	0	0	0	0.0	0.0	0.00	
MWD	135	0.6	70.9	135	135.0	0.3	0.2	0.7	0.4	0.4	135.00	12314.0
2	315	1.0	106.8	180	315.0	0.4	0.1	3.1	0.2	0.3	314.99	12134.0
3	505	1.3	94.0	190	504.9	0.1	-0.5	6.8	0.2	0.2	504.95	11944.1
4	691	1.7	98.4	186	690.9	0.1	-1.1	11.6	0.2	0.2	690.88	11758.1
5	876	1.7	87.6	185	875.8	0.4	-1.4	17.1	0.0	0.2	875.80	11573.2
6	1064	1.8	108.9	188	1063.7	0.1	-2.2	22.7	0.1	0.3	1063.71	11385.3
7	1251	1.8	103.4	187	1250.6	-1.0	-3.9	28.3	0.0	0.1	1250.60	11198.4
8	1437	2.3	174.5	186	1436.5	-5.0	-8.2	31.5	0.3	1.3	1436.43	11012.6
9	1625	4.4	164.4	188	1624.2	-15.4	-18.9	33.8	1.1	1.2	1623.90	10825.1
10	1812	4.6	153.7	187	1810.6	-28.5	-32.6	39.1	0.1	0.5	1810.08	10638.9
11	1998	6.9	139.1	186	1995.7	-42.5	-47.7	49.7	1.2	1.5	1994.87	10454.1
12	2185	6.1	142.1	187	2181.5	-57.3	-64.0	63.1	-0.4	0.5	2180.38	10268.6
13	2372	6.3	137.1	187	2367.4	-71.3	-79.4	76.2	0.1	0.3	2366.02	10083.0
14	2560	6.2	135.3	188	2554.3	-84.6	-94.2	90.4	-0.1	0.1	2552.64	9896.4
15	2747	5.5	134.3	187	2740.3	-96.6	-107.6	103.9	-0.4	0.4	2738.44	9710.6
16	2935	6.2	125.4	188	2927.3	-107.2	-119.8	118.6	0.4	0.6	2925.25	9523.7
17	3122	7.6	125.2	187	3113.0	-118.3	-132.8	137.0	0.7	0.7	3110.68	9338.3
18	3308	8.3	134.8	186	3297.2	-132.8	-149.3	156.5	0.4	0.8	3294.62	9154.4
19	3495	7.3	131.1	187	3482.4	-148.1	-166.6	175.1	-0.5	0.6	3479.59	8969.4
20	3682	7.3	137.1	187	3667.9	-162.8	-183.1	192.1	0.0	0.4	3664.79	8784.2
21	3869	7.2	138.1	187	3853.4	-178.6	-200.6	208.0	-0.1	0.1	3850.00	8599.0
22	4057	6.5	130.1	188	4040.1	-192.5	-216.2	224.0	-0.4	0.6	4036.38	8412.6
23	4243	5.8	141.8	186	4225.0	-205.2	-230.4	237.9	-0.4	0.8	4221.07	8227.9
24	4430	5.7	136.8	187	4411.1	-218.1	-244.6	250.1	-0.1	0.3	4406.88	8042.1
25	4617	5.8	135.8	187	4597.1	-230.2	-258.1	263.0	0.1	0.1	4592.70	7856.3
26	4804	7.8	134.6	187	4782.8	-244.3	-273.8	278.7	1.1	1.1	4778.11	7670.9
27	4992	7.5	136.5	188	4969.1	-260.3	-291.6	296.2	-0.2	0.2	4964.13	7484.9
28	5179	6.0	139.0	187	5154.8	-274.9	-307.9	311.0	-0.8	0.8	5149.53	7299.5
29	5366	6.1	141.9	187	5340.8	-288.8	-323.1	323.6	0.1	0.2	5335.23	7113.8
30	5553	5.8	135.2	187	5526.8	-301.9	-337.6	336.3	-0.2	0.4	5520.97	6928.0
31	5740	5.6	135.8	187	5712.8	-313.8	-350.8	349.4	-0.1	0.1	5706.81	6742.2
32	5927	5.3	136.8	187	5899.0	-325.3	-363.7	361.6	-0.2	0.2	5892.75	6556.3
33	6114	5.4	134.6	187	6085.2	-336.5	-376.1	373.8	0.1	0.1	6078.72	6370.3
34	6301	6.6	140.1	187	6271.2	-349.5	-390.6	387.0	0.6	0.7	6264.44	6184.6
35	6489	6.4	145.4	188	6457.9	-365.1	-407.5	399.8	-0.1	0.3	6450.93	5998.1
36	6676	6.2	143.0	187	6643.8	-380.4	-424.1	411.8	-0.1	0.2	6636.51	5812.5
37	6864	6.1	129.5	188	6830.7	-393.4	-438.6	425.7	-0.1	0.8	6823.18	5625.8
38	7051	6.2	128.1	187	7016.7	-404.3	-451.1	441.3	0.1	0.1	7008.89	5440.1
39	7239	7.1	130.3	188	7203.4	-416.3	-464.9	458.1	0.5	0.5	7195.40	5253.6
40	7427	8.7	128.4	188	7389.6	-430.6	-481.3	478.1	0.9	0.9	7381.33	5067.7
41	7616	7.9	136.8	189	7576.6	-446.8	-499.6	498.2	-0.4	0.8	7568.04	4881.0
42	7802	6.8	141.5	186	7761.1	-463.1	-517.5	513.8	-0.6	0.7	7752.19	4696.8
43	7990	6.0	139.0	188	7947.9	-477.8	-533.7	527.2	-0.4	0.5	7938.73	4510.3
44	8178	7.0	144.1	188	8134.7	-493.0	-550.4	540.4	0.5	0.6	8125.23	4323.8
45	8365	6.8	147.2	187	8320.3	-510.2	-568.9	553.0	-0.1	0.2	8310.54	4138.5
46	8551	6.4	146.6	186	8505.1	-526.9	-586.8	564.7	-0.2	0.2	8494.99	3954.0
47	8728	6.9	142.7	177	8680.9	-542.3	-603.5	576.6	0.3	0.4	8670.50	3778.5
48	8914	8.0	142.8	186	8865.3	-559.9	-622.7	591.2	0.6	0.6	8854.59	3594.4
49	9102	7.8	138.9	188	9051.6	-578.2	-642.7	607.5	-0.1	0.3	9040.46	3408.5
50	9290	8.1	137.7	188	9237.8	-595.7	-662.1	624.8	0.2	0.2	9226.31	3222.7
51	9478	7.3	134.3	188	9424.1	-612.0	-680.3	642.2	-0.4	0.5	9412.30	3036.7
52	9665	5.5	132.9	187	9609.9	-624.8	-694.7	657.3	-1.0	1.0	9597.86	2851.1
53	9854	7.7	138.2	189	9797.6	-638.8	-710.3	672.4	1.2	1.2	9785.33	2663.7

Operator: **EOG Resources** | Target KBTVD: **12449**
Lease Name: **Whirling Wind 11 Fed Com #703H** | Target Angle: **91.1°**
Job Number: **IDS - 1415** | Section Plane: **5.79°**
Survey Company: **Intrepid** | Declination Correction: **6.59**

#	Survey Depth	Inc. (Deg.)	Azimuth (Deg.)	Course Length	TVD (Ft.)	Vertical Section	+N/-S (Ft.)	+E/-W (Ft.)	BUR	DLS	KBTVD	-Below Target
54	**10040**	**6.8**	**155.7**	186	9982.1	-656.8	-729.6	685.2	-0.5	1.3	9969.50	2479.5
55	**10228**	**6.0**	**148.2**	188	10168.9	-674.2	-748.1	695.0	-0.4	0.6	10155.99	2293.0
56	**10415**	**6.2**	**144.6**	187	10354.9	-689.5	-764.6	706.0	0.1	0.2	10341.63	2107.4
57	**10603**	**5.6**	**134.3**	188	10541.9	-702.9	-779.3	718.4	-0.3	0.6	10528.38	1920.6
58	**10789**	**4.7**	**128.1**	186	10727.1	-712.6	-790.4	730.9	-0.5	0.6	10713.44	1735.6
59	**10976**	**2.9**	**128.2**	187	10913.7	-719.2	-798.0	740.7	-1.0	1.0	10899.87	1549.1
60	**11163**	**0.8**	**225.3**	187	11100.6	-722.8	-801.9	743.5	-1.1	1.7	11086.68	1362.3
61	**11349**	**1.2**	**351.8**	186	11286.5	-721.9	-800.9	742.3	0.2	1.0	11272.68	1176.3
62	**11553**	**1.7**	**322.8**	204	11490.5	-717.6	-796.3	740.1	0.2	0.4	11476.70	972.3
63	**11740**	**2.1**	**285.8**	187	11677.4	-715.0	-793.2	735.1	0.2	0.7	11663.65	785.3
64	**11927**	**3.6**	**346.3**	187	11864.2	-708.8	-786.5	730.5	0.8	1.7	11850.57	598.4
65	**12114**	**3.2**	**6.8**	187	12050.9	-698.1	-775.7	729.7	-0.2	0.7	12037.45	411.6
66	**12207**	**6.8**	**3.3**	93	12143.5	-690.0	-767.6	730.3	3.9	3.9	12130.23	318.8
67	**12254**	**11.9**	**350.5**	47	12189.8	-682.5	-760.0	729.7	10.9	11.7	12176.74	272.3
68	**12301**	**17.1**	**352.4**	47	12235.3	-671.1	-748.4	728.0	11.1	11.1	12222.45	226.6
69	**12348**	**25.3**	**356.9**	47	12279.1	-654.5	-731.5	726.5	17.4	17.8	12266.55	182.4
70	**12394**	**32.4**	**354.1**	46	12319.4	-632.6	-709.4	724.7	15.4	15.7	12307.24	141.8
71	**12441**	**40.0**	**356.0**	47	12357.3	-605.4	-681.7	722.3	16.2	16.3	12345.66	103.3
72	**12487**	**46.1**	**0.5**	46	12390.9	-574.3	-650.4	721.5	13.3	14.8	12379.87	69.1
73	**12534**	**53.2**	**0.6**	47	12421.3	-538.6	-614.6	721.8	15.1	15.1	12410.96	38.0
74	**12580**	**62.6**	**358.2**	46	12445.7	-500.0	-575.7	721.4	20.4	20.9	12436.12	12.9
75	**12627**	**63.1**	**357.2**	47	12467.2	-458.6	-533.9	719.7	1.1	2.2	12458.37	-9.4
76	**12674**	**68.7**	**355.7**	47	12486.4	-416.2	-491.1	717.0	11.9	12.3	12478.36	-29.4
77	**12729**	**76.1**	**355.7**	55	12503.0	-364.7	-438.8	713.1	13.5	13.5	12495.97	-47.0
78	**12799**	**77.5**	**355.2**	70	12519.0	-297.6	-370.9	707.7	2.0	2.1	12513.24	-64.2
79	**12823**	**82.2**	**357.0**	24	12523.2	-274.3	-347.3	706.1	19.6	20.9	12517.92	-68.9
80	**12868**	**88.0**	**1.2**	45	12527.0	-229.8	-302.5	705.4	12.9	15.9	12522.62	-73.6
81	**12961**	**88.9**	**0.6**	93	12529.5	-137.2	-209.6	706.8	1.0	1.2	12526.91	-77.9
82	**12992**	**89.8**	**0.7**	31	12529.9	-106.3	-178.6	707.2	2.9	2.9	12527.86	-78.9
83	**13034**	**93.4**	**1.7**	42	12528.7	-64.5	-136.6	708.1	8.6	8.9	12527.49	-78.5
84	**13149**	**95.4**	**2.5**	115	12519.9	49.9	-22.1	712.3	1.7	1.9	12520.86	-71.9
85	**13243**	**94.5**	**2.5**	94	12511.8	143.4	71.5	716.3	-1.0	1.0	12514.55	-65.5
86	**13337**	**90.9**	**4.1**	94	12507.4	237.2	165.2	721.8	-3.8	4.2	12511.92	-62.9
87	**13430**	**88.8**	**4.7**	93	12507.6	330.1	257.9	728.9	-2.3	2.3	12513.95	-64.9
88	**13524**	**90.0**	**4.0**	94	12508.6	424.1	351.6	736.0	1.3	1.5	12516.74	-67.7
89	**13618**	**88.5**	**1.8**	94	12509.8	517.9	445.5	740.8	-1.6	2.8	12519.77	-70.8
90	**13711**	**89.8**	**1.8**	93	12511.2	610.7	538.4	743.7	1.4	1.4	12522.93	-73.9
91	**13805**	**90.2**	**0.2**	94	12511.2	704.4	632.4	745.3	0.4	1.8	12524.73	-75.7
92	**13899**	**90.9**	**359.8**	94	12510.3	797.9	726.4	745.3	0.7	0.9	12525.62	-76.6
93	**13993**	**89.4**	**0.2**	94	12510.1	891.4	820.4	745.3	-1.6	1.7	12527.17	-78.2
94	**14086**	**91.0**	**1.1**	93	12509.7	984.0	913.4	746.4	1.7	2.0	12528.63	-79.6
95	**14181**	**89.3**	**359.1**	95	12509.5	1078.5	1008.3	746.6	-1.8	2.8	12530.19	-81.2
96	**14274**	**90.5**	**0.3**	93	12509.6	1171.0	1101.3	746.1	1.3	1.8	12532.13	-83.1
97	**14368**	**90.3**	**359.2**	94	12509.0	1264.5	1195.3	745.7	-0.2	1.2	12533.27	-84.3
98	**14462**	**89.4**	**358.9**	94	12509.2	1357.8	1289.3	744.1	-1.0	1.0	12535.31	-86.3
99	**14556**	**89.5**	**358.9**	94	12510.1	1451.1	1383.3	742.3	0.1	0.1	12538.00	-89.0
100	**14649**	**90.6**	**359.4**	93	12510.1	1543.5	1476.3	740.9	1.2	1.3	12539.69	-90.7
101	**14742**	**89.5**	**0.3**	93	12510.0	1636.0	1569.3	740.7	-1.2	1.5	12541.39	-92.4
102	**14836**	**90.6**	**0.9**	94	12509.9	1729.6	1663.3	741.7	1.2	1.3	12543.10	-94.1
103	**14930**	**88.5**	**358.0**	94	12510.6	1823.0	1757.2	740.8	-2.2	3.8	12545.63	-96.6
104	**15024**	**90.2**	**358.8**	94	12511.7	1916.2	1851.2	738.1	1.8	2.0	12548.49	-99.5
105	**15118**	**90.0**	**358.2**	94	12511.5	2009.4	1945.1	735.7	-0.2	0.7	12550.12	-101.1
106	**15211**	**91.1**	**358.2**	93	12510.6	2101.6	2038.1	732.7	1.2	1.2	12550.99	-102.0
107	**15306**	**88.5**	**357.4**	95	12511.0	2195.7	2133.0	729.1	-2.7	2.9	12553.13	-104.1

Operator: **EOG Resources**
Lease Name: **Whirling Wind 11 Fed Com #703H**
Job Number: **IDS - 1415**
Survey Company: **Intrepid**

Target KBTVD: 12449
Target Angle: 91.1°
Section Plane: 5.79°
Declination Correction: 6.59

#	Survey Depth	Inc. (Deg.)	Azimuth (Deg.)	Course Length	TVD (Ft.)	Vertical Section	+N/-S (Ft.)	+E/-W (Ft.)	BUR	DLS	KBTVD	-Below Target
108	15399	91.0	359.6	93	12511.4	2287.9	2225.9	726.7	2.7	3.6	12555.31	-106.3
109	15492	88.8	358.0	93	12511.5	2380.2	2318.9	724.7	-2.4	2.9	12557.24	-108.2
110	15586	91.1	359.4	94	12511.6	2473.4	2412.9	722.6	2.4	2.9	12559.11	-110.1
111	15680	89.3	359.2	94	12511.3	2566.8	2506.8	721.4	-1.9	1.9	12560.58	-111.6
112	15774	91.0	1.4	94	12511.0	2660.4	2600.8	721.9	1.8	3.0	12562.13	-113.1
113	15868	90.1	1.4	94	12510.1	2754.1	2694.8	724.2	-1.0	1.0	12563.03	-114.0
114	15963	90.6	2.5	95	12509.6	2848.9	2789.7	727.5	0.5	1.3	12564.27	-115.3
115	16057	91.0	0.8	94	12508.3	2942.6	2883.7	730.2	0.4	1.9	12564.75	-115.8
116	16150	91.9	1.1	93	12505.9	3035.3	2976.6	731.7	1.0	1.0	12564.18	-115.2
117	16243	89.1	359.6	93	12505.1	3127.8	3069.6	732.3	-3.0	3.4	12565.15	-116.1
118	16337	91.2	1.7	94	12504.8	3221.4	3163.6	733.3	2.2	3.2	12566.70	-117.7
119	16431	88.2	0.3	94	12505.3	3315.1	3257.5	735.0	-3.2	3.5	12568.99	-120.0
120	16525	89.7	359.3	94	12507.1	3408.5	3351.5	734.7	1.6	1.9	12572.50	-123.5
121	16620	91.6	359.4	95	12506.0	3502.9	3446.5	733.6	2.0	2.0	12573.24	-124.2
122	16713	89.3	357.7	93	12505.2	3595.1	3539.4	731.2	-2.5	3.1	12574.28	-125.3
123	16808	89.4	357.7	95	12506.3	3689.2	3634.3	727.4	0.1	0.1	12577.16	-128.2
124	16901	89.4	356.6	93	12507.3	3781.1	3727.2	722.8	0.0	1.2	12579.90	-130.9
125	16994	90.1	356.7	93	12507.7	3872.9	3820.1	717.4	0.8	0.8	12582.07	-133.1
126	17088	90.6	356.5	94	12507.1	3965.7	3913.9	711.8	0.5	0.6	12583.28	-134.3
127	17213	91.9	357.2	125	12504.4	4089.2	4038.7	704.9	1.0	1.2	12582.92	-133.9
128	17308	90.7	358.1	95	12502.3	4183.2	4133.6	701.0	-1.3	1.6	12582.57	-133.6
129	17402	90.4	358.2	94	12501.3	4276.4	4227.5	698.0	-0.3	0.3	12583.46	-134.5
130	17496	91.9	359.5	94	12499.5	4369.6	4321.5	696.1	1.6	2.1	12583.36	-134.4
131	17589	92.4	359.7	93	12496.0	4462.0	4414.4	695.4	0.5	0.6	12581.65	-132.6
132	17683	91.4	1.3	94	12492.9	4555.6	4508.3	696.3	-1.1	2.0	12580.33	-131.3
133	17778	91.5	1.3	95	12490.5	4650.2	4603.3	698.4	0.1	0.1	12579.74	-130.7
134	17872	89.5	358.9	94	12489.6	4743.7	4697.2	698.6	-2.1	3.3	12580.72	-131.7
135	17965	92.0	0.4	93	12488.4	4836.2	4790.2	698.0	2.7	3.1	12581.27	-132.3
136	18059	92.8	1.5	94	12484.5	4929.8	4884.1	699.6	0.9	1.4	12579.13	-130.1
137	18152	89.6	359.6	93	12482.5	5022.3	4977.0	700.5	-3.4	4.0	12578.96	-130.0
138	18246	90.5	1.1	94	12482.4	5115.9	5071.0	701.0	1.0	1.9	12580.68	-131.7
139	18339	91.0	2.3	93	12481.2	5208.6	5164.0	703.8	0.5	1.4	12581.24	-132.2
140	18433	91.5	3.4	94	12479.2	5302.5	5257.8	708.5	0.5	1.3	12580.99	-132.0
141	18527	90.9	3.1	94	12477.2	5396.4	5351.7	713.8	-0.6	0.7	12580.83	-131.8
142	18622	89.1	1.1	95	12477.2	5491.2	5446.6	717.3	-1.9	2.8	12582.65	-133.6
143	18715	91.1	1.1	93	12477.1	5583.8	5539.6	719.1	2.2	2.2	12584.27	-135.3
144	18810	92.2	359.6	95	12474.3	5678.4	5634.5	719.6	1.2	2.0	12583.34	-134.3
145	18903	90.6	358.1	93	12472.0	5770.6	5727.4	717.8	-1.7	2.4	12582.84	-133.8
146	18996	91.0	356.2	93	12470.7	5862.6	5820.3	713.2	0.4	2.1	12583.31	-134.3
147	19091	90.8	354.3	95	12469.3	5955.9	5915.0	705.3	-0.2	2.0	12583.61	-134.6
148	19184	92.8	353.4	93	12466.3	6046.9	6007.4	695.3	2.2	2.4	12582.44	-133.4
149	19277	91.9	351.5	93	12462.5	6137.3	6099.5	683.1	-1.0	2.3	12580.36	-131.4
150	19371	90.8	349.2	94	12460.3	6227.8	6192.1	667.4	-1.2	2.7	12579.88	-130.9
151	19464	90.8	348.7	93	12459.0	6316.8	6283.4	649.6	0.0	0.5	12580.29	-131.3
152	19557	90.8	349.8	93	12457.7	6406.0	6374.7	632.2	0.0	1.2	12580.71	-131.7
153	19652	90.7	351.8	95	12456.5	6497.7	6468.5	617.0	-0.1	2.1	12581.23	-132.2
154	19745	89.3	350.9	93	12456.5	6587.8	6560.4	603.0	-1.5	1.8	12582.95	-134.0
155	19840	92.8	352.2	95	12454.7	6679.8	6654.4	589.1	3.7	3.9	12582.98	-134.0
156	19934	93.1	351.6	94	12449.9	6771.0	6747.3	575.9	0.3	0.7	12579.89	-130.9
157	19989	93.3	350.9	55	12446.8	6824.1	6801.6	567.5	0.4	1.3	12577.84	-128.8
PTB	20045	93.3	350.9	56	12443.6	6878.1	6856.8	558.7	0.0	0.0	12575.66	-126.7