

Nearburg Producing Co.

Laguna 23 Federal Com, Well No. 2H
Lea County, New Mexico
Sec. 23-20S-34E
Quote No. 012512036

BEFORE THE OIL CONSERVATION DIVISION
Santa Fe, New Mexico
Exhibit No. 9
Submitted by:
NEARBURG EXPLORATION COMPANY, LLC
Hearing Date: June 7, 2012

Aim
Directional Services, LLC

SITE DETAILS

Laguna 23 Federal Com #2H

Site Centre Northing: 565347.90
Easting: 745411.60

Ground Level: 3680.00
Positional Uncertainty: 0.00
Convergence: 0.43

FIELD DETAILS

Lea County, New Mexico

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1866)
Zone: New Mexico, Eastern Zone
Magnetic Model: WMM_2010

System Datum: Mean Sea Level
Local North: Grid North

ANNOTATIONS

No.	TVD	MD	Annotation
1	10577.00	10577.00	KOP, Build 10.00°/100'
2	11149.96	11476.99	Hold 90.00°, 359.53° Azimuth
3	11150.00	15680.80	PBHL - Lateral



Azimuths to Grid North
True North: -0.43°
Magnetic North: 7.11°

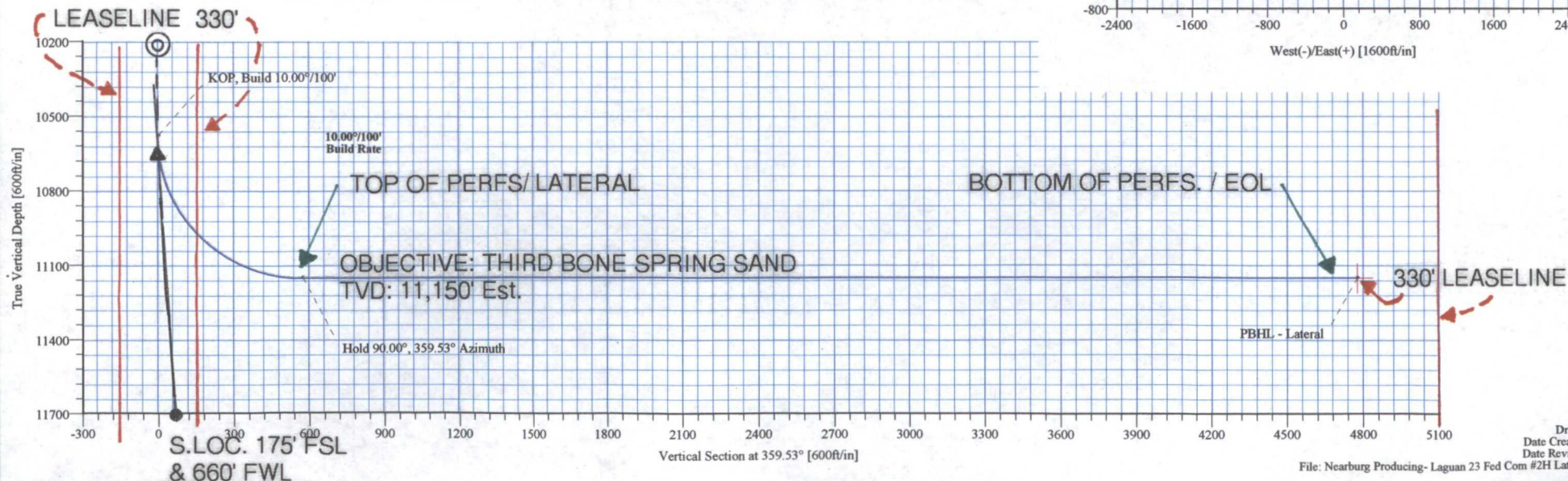
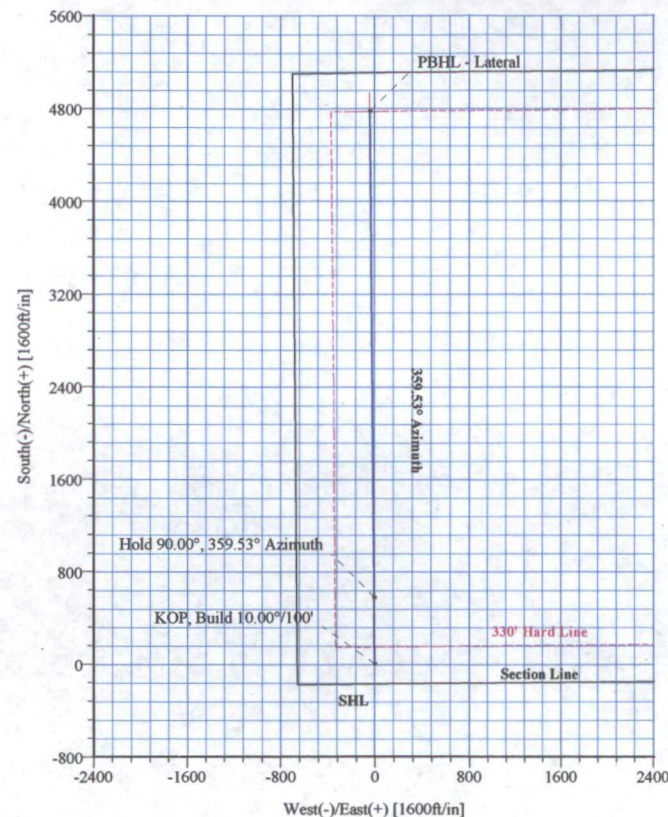
Magnetic Field
Strength: 48781nT
Dip Angle: 60.48°
Date: 01/25/2012
Model: WMM_2010

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
PBHL - Lateral	11150.00	4776.60	-39.60	570124.50	745372.00	32°33'53.481N	103°32'12.793W	Point

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	10577.00	0.00	0.00	10577.00	0.00	0.00	0.00	0.00	0.00	
2	11476.99	90.00	359.53	11149.96	572.93	-4.75	10.00	359.53	572.95	
3	15680.81	90.00	359.53	11150.00	4776.60	-39.60	0.00	0.00	4776.76	PBHL - Lateral



Drawn By: ALR
Date Created: 01/25/12
Date Revised: 01/26/12
File: Nearburg Producing- Laguna 23 Fed Com #2H Lateral 1r1.gpf32

Aim Directional Services, LLC

Planning Report - Geographic

Company: Nearburg Producing Company Field: Lea County, New Mexico Site: Laguna 23 Federal Com #2H Well: #2H Wellpath: Lateral 1r1	Date: 01/26/2012 Co-ordinate(NE) Reference: Well #2H Grid North Vertical (TVD) Reference: SITE 3680.0 Section (VS) Reference: Well (0.00N 0.00E 359.53Azi) Plan: Lateral 1r1
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Field: Lea County, New Mexico Map System: US State Plane Coordinate System 1927 Geo Datum: NAD27 (Clarke 1866) Sys Datum: Mean Sea Level	Map Zone: New Mexico, Eastern Zone Coordinate System: Well Centre Geomagnetic Model: WMM_2010
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Site: Laguna 23 Federal Com #2H

Site Position: From: Map Position Uncertainty: 0.00 ft Ground Level: 3680.00 ft	Northing: 565347.90 ft Easting: 745411.60 ft	Latitude: 32 33 6.214 N Longitude: 103 32 12.748 W North Reference: Grid Grid Convergence: 0.43 deg
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Well: #2H Well Position: +N/-S 0.00 ft Position Uncertainty: 0.00 ft	Slot Name: Northing: 565347.90 ft Easting: 745411.60 ft Latitude: 32 33 6.214 N Longitude: 103 32 12.748 W
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Wellpath: Lateral 1r1 Current Datum: SITE Magnetic Data: 01/25/2012 Field Strength: 48781 nT Vertical Section: Depth From (TVD) ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 7.54 deg Mag Dip Angle: 60.48 deg +E/-W Direction deg 0.00 0.00 0.00 359.53
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Plan: Lateral 1r1 Principal: Yes	Date Composed: 01/25/2012 Version: 1 Tied-to: User Defined
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Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
10577.00	0.00	0.00	10577.00	0.00	0.00	0.00	0.00	0.00	0.00	
11476.99	90.00	359.53	11149.96	572.93	-4.75	10.00	10.00	-0.05	359.53	
15680.81	90.00	359.53	11150.00	4776.60	-39.60	0.00	0.00	0.00	0.00	PBHL - Lateral

Section 1.: Start DLS 10.00 TFO 359.53

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
10577.00	0.00	0.00	10577.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10600.00	2.30	359.53	10599.99	0.46	0.00	0.46	10.00	10.00	0.00	0.00
10650.00	7.30	359.53	10649.80	4.64	-0.04	4.64	10.00	10.00	0.00	0.00
10700.00	12.30	359.53	10699.06	13.15	-0.11	13.15	10.00	10.00	0.00	0.00
10750.00	17.30	359.53	10747.38	25.92	-0.21	25.92	10.00	10.00	0.00	0.00
10800.00	22.30	359.53	10794.41	42.85	-0.36	42.85	10.00	10.00	0.00	0.00
10850.00	27.30	359.53	10839.79	63.82	-0.53	63.82	10.00	10.00	0.00	0.00
10900.00	32.30	359.53	10883.16	88.66	-0.73	88.66	10.00	10.00	0.00	0.00
10950.00	37.30	359.53	10924.21	117.18	-0.97	117.19	10.00	10.00	0.00	0.00
11000.00	42.30	359.53	10962.61	149.18	-1.24	149.18	10.00	10.00	0.00	0.00
11050.00	47.30	359.53	10998.08	184.39	-1.53	184.40	10.00	10.00	0.00	0.00
11100.00	52.30	359.53	11030.34	222.57	-1.85	222.58	10.00	10.00	0.00	0.00
11150.00	57.30	359.53	11059.15	263.41	-2.18	263.42	10.00	10.00	0.00	0.00
11200.00	62.30	359.53	11084.29	306.61	-2.54	306.62	10.00	10.00	0.00	0.00
11250.00	67.30	359.53	11105.58	351.84	-2.92	351.85	10.00	10.00	0.00	0.00
11300.00	72.30	359.53	11122.83	398.75	-3.31	398.76	10.00	10.00	0.00	0.00
11350.00	77.30	359.53	11135.94	446.98	-3.71	447.00	10.00	10.00	0.00	0.00
11400.00	82.30	359.53	11144.79	496.17	-4.11	496.19	10.00	10.00	0.00	0.00
11450.00	87.30	359.53	11149.32	545.95	-4.53	545.97	10.00	10.00	0.00	0.00
11476.99	90.00	359.53	11149.96	572.93	-4.75	572.95	10.00	10.00	0.00	0.00

Aim Directional Services, LLC

Planning Report - Geographic

Company: Nearburg Producing Company
 Field: Lea County, New Mexico
 Site: Laguna 23 Federal Com #2H
 Well: #2H
 Wellpath: Lateral 1r1

Date: 01/26/2012 Time: 07:26:54 Page: 2
 Co-ordinate(N/E) Reference: Well: #2H, Grid North
 Vertical (TVD) Reference: SITE 3680.0
 Section (VS) Reference: Well (0.00N, 0.00E, 359.53Azi)
 Plan: Lateral 1r1

Section 2 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
11500.00	90.00	359.53	11149.96	595.94	-4.94	595.96	0.00	0.00	0.00	180.00
11600.00	90.00	359.53	11149.96	695.93	-5.77	695.96	0.00	0.00	0.00	180.00
11700.00	90.00	359.53	11149.96	795.93	-6.60	795.96	0.00	0.00	0.00	180.00
11800.00	90.00	359.53	11149.96	895.93	-7.43	895.96	0.00	0.00	0.00	180.00
11900.00	90.00	359.53	11149.96	995.92	-8.26	995.96	0.00	0.00	0.00	180.00
12000.00	90.00	359.53	11149.96	1095.92	-9.09	1095.96	0.00	0.00	0.00	180.00
12100.00	90.00	359.53	11149.96	1195.92	-9.91	1195.96	0.00	0.00	0.00	180.00
12200.00	90.00	359.53	11149.97	1295.91	-10.74	1295.96	0.00	0.00	0.00	180.00
12300.00	90.00	359.53	11149.97	1395.91	-11.57	1395.96	0.00	0.00	0.00	180.00
12400.00	90.00	359.53	11149.97	1495.91	-12.40	1495.96	0.00	0.00	0.00	180.00
12500.00	90.00	359.53	11149.97	1595.90	-13.23	1595.96	0.00	0.00	0.00	180.00
12600.00	90.00	359.53	11149.97	1695.90	-14.06	1695.96	0.00	0.00	0.00	180.00
12700.00	90.00	359.53	11149.97	1795.90	-14.89	1795.96	0.00	0.00	0.00	180.00
12800.00	90.00	359.53	11149.97	1895.89	-15.72	1895.96	0.00	0.00	0.00	180.00
12900.00	90.00	359.53	11149.97	1995.89	-16.55	1995.96	0.00	0.00	0.00	180.00
13000.00	90.00	359.53	11149.97	2095.89	-17.38	2095.96	0.00	0.00	0.00	180.00
13100.00	90.00	359.53	11149.97	2195.88	-18.20	2195.96	0.00	0.00	0.00	180.00
13200.00	90.00	359.53	11149.98	2295.88	-19.03	2295.96	0.00	0.00	0.00	180.00
13300.00	90.00	359.53	11149.98	2395.88	-19.86	2395.96	0.00	0.00	0.00	180.00
13400.00	90.00	359.53	11149.98	2495.87	-20.69	2495.96	0.00	0.00	0.00	180.00
13500.00	90.00	359.53	11149.98	2595.87	-21.52	2595.96	0.00	0.00	0.00	180.00
13600.00	90.00	359.53	11149.98	2695.87	-22.35	2695.96	0.00	0.00	0.00	180.00
13700.00	90.00	359.53	11149.98	2795.86	-23.18	2795.96	0.00	0.00	0.00	180.00
13800.00	90.00	359.53	11149.98	2895.86	-24.01	2895.96	0.00	0.00	0.00	180.00
13900.00	90.00	359.53	11149.98	2995.85	-24.84	2995.96	0.00	0.00	0.00	180.00
14000.00	90.00	359.53	11149.98	3095.85	-25.67	3095.96	0.00	0.00	0.00	180.00
14100.00	90.00	359.53	11149.98	3195.85	-26.49	3195.96	0.00	0.00	0.00	180.00
14200.00	90.00	359.53	11149.99	3295.84	-27.32	3295.96	0.00	0.00	0.00	180.00
14300.00	90.00	359.53	11149.99	3395.84	-28.15	3395.96	0.00	0.00	0.00	180.00
14400.00	90.00	359.53	11149.99	3495.84	-28.98	3495.96	0.00	0.00	0.00	180.00
14500.00	90.00	359.53	11149.99	3595.83	-29.81	3595.96	0.00	0.00	0.00	180.00
14600.00	90.00	359.53	11149.99	3695.83	-30.64	3695.96	0.00	0.00	0.00	180.00
14700.00	90.00	359.53	11149.99	3795.83	-31.47	3795.96	0.00	0.00	0.00	180.00
14800.00	90.00	359.53	11149.99	3895.82	-32.30	3895.96	0.00	0.00	0.00	180.00
14900.00	90.00	359.53	11149.99	3995.82	-33.13	3995.96	0.00	0.00	0.00	180.00
15000.00	90.00	359.53	11149.99	4095.82	-33.96	4095.96	0.00	0.00	0.00	180.00
15100.00	90.00	359.53	11149.99	4195.81	-34.79	4195.96	0.00	0.00	0.00	180.00
15200.00	90.00	359.53	11150.00	4295.81	-35.61	4295.96	0.00	0.00	0.00	180.00
15300.00	90.00	359.53	11150.00	4395.81	-36.44	4395.96	0.00	0.00	0.00	180.00
15400.00	90.00	359.53	11150.00	4495.80	-37.27	4495.96	0.00	0.00	0.00	180.00
15500.00	90.00	359.53	11150.00	4595.80	-38.10	4595.96	0.00	0.00	0.00	180.00
15600.00	90.00	359.53	11150.00	4695.80	-38.93	4695.96	0.00	0.00	0.00	180.00
15680.81	90.00	359.53	11150.00	4776.60	-39.60	4776.76	0.00	0.00	0.00	180.00

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec			Longitude Deg Min Sec		
10577.00	0.00	0.00	10577.00	0.00	0.00	565347.90	745411.60	32	33	6.214 N	103	32	12.748 W
10600.00	2.30	359.53	10599.99	0.46	0.00	565348.36	745411.60	32	33	6.219 N	103	32	12.748 W
10650.00	7.30	359.53	10649.80	4.64	-0.04	565352.54	745411.56	32	33	6.260 N	103	32	12.748 W
10700.00	12.30	359.53	10699.06	13.15	-0.11	565361.05	745411.49	32	33	6.345 N	103	32	12.748 W
10750.00	17.30	359.53	10747.38	25.92	-0.21	565373.82	745411.39	32	33	6.471 N	103	32	12.748 W
10800.00	22.30	359.53	10794.41	42.85	-0.36	565390.75	745411.24	32	33	6.638 N	103	32	12.748 W
10850.00	27.30	359.53	10839.79	63.82	-0.53	565411.72	745411.07	32	33	6.846 N	103	32	12.748 W
10900.00	32.30	359.53	10883.16	88.66	-0.73	565436.56	745410.87	32	33	7.092 N	103	32	12.748 W
10950.00	37.30	359.53	10924.21	117.18	-0.97	565465.08	745410.63	32	33	7.374 N	103	32	12.749 W
11000.00	42.30	359.53	10962.61	149.18	-1.24	565497.08	745410.36	32	33	7.691 N	103	32	12.749 W
11050.00	47.30	359.53	10998.08	184.39	-1.53	565532.29	745410.07	32	33	8.039 N	103	32	12.749 W
11100.00	52.30	359.53	11030.34	222.57	-1.85	565570.47	745409.75	32	33	8.417 N	103	32	12.750 W
11150.00	57.30	359.53	11059.15	263.41	-2.18	565611.31	745409.42	32	33	8.821 N	103	32	12.750 W

Aim Directional Services, LLC

Planning Report - Geographic

Company: Nearburg Producing Company
 Field: Lea County, New Mexico
 Site: Laguna 23 Federal Com #2H
 Well: #2H
 Wellpath: Lateral 1r1

Date: 01/26/2012 Time: 07:26:54 Page: 3
 Co-ordinate(N/E) Reference: Well #2H Grid North
 Vertical (TVD) Reference: SITE 3680.0
 Section (VS) Reference: Well (0.00N 0.00E 359.53Azi)
 Plan: Lateral 1r1

Survey

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	Latitude Deg Min Sec			Longitude Deg Min Sec		
11200.00	62.30	359.53	11084.29	306.61	-2.54	565654.51	745409.06	32	33	9.249 N	103	32	12.750 W
11250.00	67.30	359.53	11105.58	351.84	-2.92	565699.74	745408.68	32	33	9.696 N	103	32	12.751 W
11300.00	72.30	359.53	11122.83	398.75	-3.31	565746.65	745408.29	32	33	10.160 N	103	32	12.751 W
11350.00	77.30	359.53	11135.94	446.98	-3.71	565794.88	745407.89	32	33	10.638 N	103	32	12.752 W
11400.00	82.30	359.53	11144.79	496.17	-4.11	565844.07	745407.49	32	33	11.124 N	103	32	12.752 W
11450.00	87.30	359.53	11149.32	545.95	-4.53	565893.85	745407.07	32	33	11.617 N	103	32	12.753 W
11476.99	90.00	359.53	11149.96	572.93	-4.75	565920.83	745406.85	32	33	11.884 N	103	32	12.753 W
11500.00	90.00	359.53	11149.96	595.94	-4.94	565943.84	745406.66	32	33	12.112 N	103	32	12.753 W
11600.00	90.00	359.53	11149.96	695.93	-5.77	566043.83	745405.83	32	33	13.101 N	103	32	12.754 W
11700.00	90.00	359.53	11149.96	795.93	-6.60	566143.83	745405.00	32	33	14.091 N	103	32	12.755 W
11800.00	90.00	359.53	11149.96	895.93	-7.43	566243.83	745404.17	32	33	15.080 N	103	32	12.756 W
11900.00	90.00	359.53	11149.96	995.92	-8.26	566343.82	745403.34	32	33	16.070 N	103	32	12.757 W
12000.00	90.00	359.53	11149.96	1095.92	-9.09	566443.82	745402.51	32	33	17.059 N	103	32	12.758 W
12100.00	90.00	359.53	11149.96	1195.92	-9.91	566543.82	745401.69	32	33	18.049 N	103	32	12.759 W
12200.00	90.00	359.53	11149.97	1295.91	-10.74	566643.81	745400.86	32	33	19.038 N	103	32	12.760 W
12300.00	90.00	359.53	11149.97	1395.91	-11.57	566743.81	745400.03	32	33	20.028 N	103	32	12.761 W
12400.00	90.00	359.53	11149.97	1495.91	-12.40	566843.81	745399.20	32	33	21.017 N	103	32	12.762 W
12500.00	90.00	359.53	11149.97	1595.90	-13.23	566943.80	745398.37	32	33	22.007 N	103	32	12.763 W
12600.00	90.00	359.53	11149.97	1695.90	-14.06	567043.80	745397.54	32	33	22.996 N	103	32	12.764 W
12700.00	90.00	359.53	11149.97	1795.90	-14.89	567143.80	745396.71	32	33	23.986 N	103	32	12.765 W
12800.00	90.00	359.53	11149.97	1895.89	-15.72	567243.79	745395.88	32	33	24.975 N	103	32	12.766 W
12900.00	90.00	359.53	11149.97	1995.89	-16.55	567343.79	745395.05	32	33	25.965 N	103	32	12.766 W
13000.00	90.00	359.53	11149.97	2095.89	-17.38	567443.79	745394.22	32	33	26.954 N	103	32	12.767 W
13100.00	90.00	359.53	11149.97	2195.88	-18.20	567543.78	745393.40	32	33	27.944 N	103	32	12.768 W
13200.00	90.00	359.53	11149.98	2295.88	-19.03	567643.78	745392.57	32	33	28.933 N	103	32	12.769 W
13300.00	90.00	359.53	11149.98	2395.88	-19.86	567743.78	745391.74	32	33	29.923 N	103	32	12.770 W
13400.00	90.00	359.53	11149.98	2495.87	-20.69	567843.77	745390.91	32	33	30.912 N	103	32	12.771 W
13500.00	90.00	359.53	11149.98	2595.87	-21.52	567943.77	745390.08	32	33	31.902 N	103	32	12.772 W
13600.00	90.00	359.53	11149.98	2695.87	-22.35	568043.77	745389.25	32	33	32.891 N	103	32	12.773 W
13700.00	90.00	359.53	11149.98	2795.86	-23.18	568143.76	745388.42	32	33	33.881 N	103	32	12.774 W
13800.00	90.00	359.53	11149.98	2895.86	-24.01	568243.76	745387.59	32	33	34.870 N	103	32	12.775 W
13900.00	90.00	359.53	11149.98	2995.85	-24.84	568343.75	745386.76	32	33	35.860 N	103	32	12.776 W
14000.00	90.00	359.53	11149.98	3095.85	-25.67	568443.75	745385.93	32	33	36.849 N	103	32	12.777 W
14100.00	90.00	359.53	11149.98	3195.85	-26.49	568543.75	745385.11	32	33	37.839 N	103	32	12.778 W
14200.00	90.00	359.53	11149.99	3295.84	-27.32	568643.74	745384.28	32	33	38.828 N	103	32	12.779 W
14300.00	90.00	359.53	11149.99	3395.84	-28.15	568743.74	745383.45	32	33	39.818 N	103	32	12.780 W
14400.00	90.00	359.53	11149.99	3495.84	-28.98	568843.74	745382.62	32	33	40.808 N	103	32	12.781 W
14500.00	90.00	359.53	11149.99	3595.83	-29.81	568943.73	745381.79	32	33	41.797 N	103	32	12.782 W
14600.00	90.00	359.53	11149.99	3695.83	-30.64	569043.73	745380.96	32	33	42.787 N	103	32	12.783 W
14700.00	90.00	359.53	11149.99	3795.83	-31.47	569143.73	745380.13	32	33	43.776 N	103	32	12.783 W
14800.00	90.00	359.53	11149.99	3895.82	-32.30	569243.72	745379.30	32	33	44.766 N	103	32	12.784 W
14900.00	90.00	359.53	11149.99	3995.82	-33.13	569343.72	745378.47	32	33	45.755 N	103	32	12.785 W
15000.00	90.00	359.53	11149.99	4095.82	-33.96	569443.72	745377.64	32	33	46.745 N	103	32	12.786 W
15100.00	90.00	359.53	11149.99	4195.81	-34.79	569543.71	745376.81	32	33	47.734 N	103	32	12.787 W
15200.00	90.00	359.53	11150.00	4295.81	-35.61	569643.71	745375.99	32	33	48.724 N	103	32	12.788 W
15300.00	90.00	359.53	11150.00	4395.81	-36.44	569743.71	745375.16	32	33	49.713 N	103	32	12.789 W
15400.00	90.00	359.53	11150.00	4495.80	-37.27	569843.70	745374.33	32	33	50.703 N	103	32	12.790 W
15500.00	90.00	359.53	11150.00	4595.80	-38.10	569943.70	745373.50	32	33	51.692 N	103	32	12.791 W
15600.00	90.00	359.53	11150.00	4695.80	-38.93	570043.70	745372.67	32	33	52.682 N	103	32	12.792 W
15680.81	90.00	359.53	11150.00	4776.60	-39.60	570124.50	745372.00	32	33	53.481 N	103	32	12.793 W

Aim Directional Services, LLC

Planning Report - Geographic

Company: Nearburg Producing Company
Field: Lea County, New Mexico
Site: Laguna 23 Federal Com #2H
Well: #2H
Wellpath: Lateral 1r1

Date: 01/26/2012 **Time:** 07:26:54
Co-ordinate(NE) Reference: Well: #2H, Grid North
Vertical (TVD) Reference: SITE 3680.0
Section (VS) Reference: Well (0:00N,0.00E,359.53Azi)
Plan: Lateral 1r1

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Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
PBHL - Lateral			11150.00	4776.60	-39.60	570124.50	745372.00	32 33 53.481 N	103 32 12.793 W

Annotation

MD ft	TVD ft	
10577.00	10577.00	KOP, Build 10.00°/100°
11476.99	11149.96	Hold 90.00°, 359.53° Azimuth
15680.80	11150.00	PBHL - Lateral