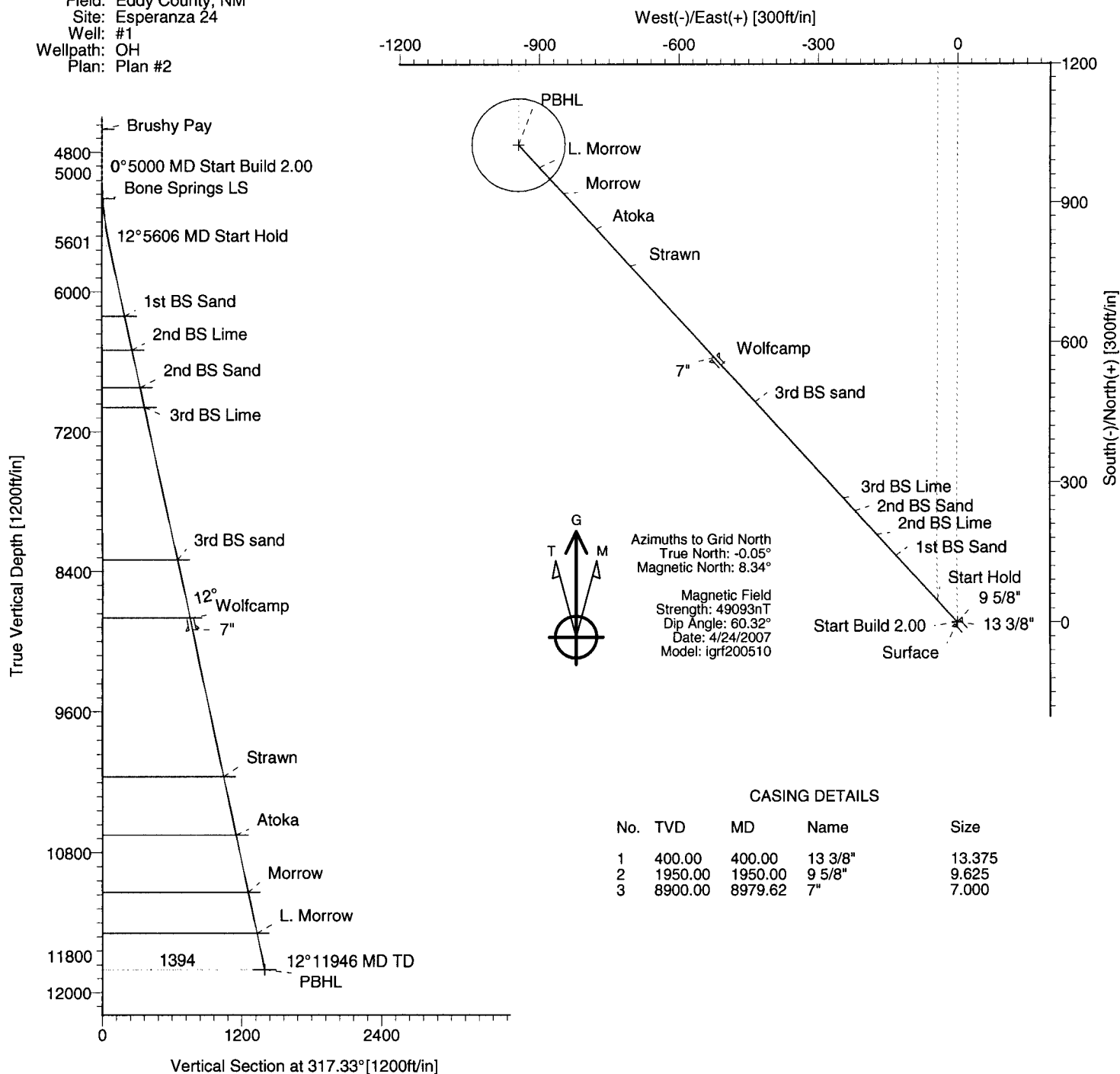


BOLD ENERGY, LP

Field: Eddy County, NM
Site: Esperanza 24
Well: #1
Wellpath: OH
Plan: Plan #2

30-015-34205



CASING DETAILS

No.	TVD	MD	Name	Size
1	400.00	400.00	13 3/8"	13.375
2	1950.00	1950.00	9 5/8"	9.625
3	8900.00	8979.62	7"	7.000

TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape
Surface	0.00	0.00	0.00	502135.40	526189.10	32°22'49.644N	104°14'54.596W	Point
PBHL	11800.00	1025.00	-945.00	503160.40	525244.10	32°22'59.794N	104°15'05.607W	Circle (Radius: 100)

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	317.33	0.00	0.00	0.00	0.00	0.00	0.00	
2	5000.00	0.00	317.33	5000.00	0.00	0.00	0.00	0.00	0.00	
3	5605.64	12.11	317.33	5601.14	46.89	-43.23	2.00	317.33	63.78	
4	11945.65	12.11	317.33	11800.00	1025.00	-945.00	0.00	0.00	1394.15	PBHL



Drilling Systems, Inc.

LEAM DRILLING SYSTEMS, INC.
101 Industrial Court Conroe, Texas 77301
Phone: 936-756-7577 Fax: 936-756-7595

Plan: Plan #2 (#1/OH)

Created By: Well Planner Date: 4/24/2007
Checked: Date:
Reviewed: Date:
Approved: Date:

LEAM Drilling Systems, Inc.

Planning Report

Company: BOLD ENERGY, LP		Date: 4/24/2007		Time: 17:18:19		Page: 1	
Field: Eddy County, NM		Co-ordinate(NE) Reference:		Site: Esperanza 24, Grid North			
Site: Esperanza 24		Vertical (TVD) Reference:		SITE 0.0			
Well: #1		Section (VS) Reference:		Well (0.00N,0.00E,317.33Azi)			
Wellpath: OH		Survey Calculation Method:		Minimum Curvature		Db: Sybase	

Field: Eddy County, NM	
Map System: US State Plane Coordinate System 1927	Map Zone: New Mexico, Eastern Zone
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: igrf200510

Site: Esperanza 24	
Site Position:	Northing: 502135.40 ft
From: Map	Easting: 526189.10 ft
Position Uncertainty: 0.00 ft	Latitude: 32 22 49.644 N
Ground Level: 3171.00 ft	Longitude: 104 14 54.596 W
	North Reference: Grid
	Grid Convergence: 0.05 deg

Well: #1		Slot Name:	
Well Position:	Northing: 502135.40 ft	Latitude: 32 22 49.644 N	
+N/-S 0.00 ft	Easting : 526189.10 ft	Longitude: 104 14 54.596 W	
+E/-W 0.00 ft			
Position Uncertainty: 0.00 ft			

Wellpath: OH		Drilled From: Surface	
Current Datum: SITE	Height 0.00 ft	Tie-on Depth:	0.00 ft
Magnetic Data: 4/24/2007		Above System Datum:	Mean Sea Level
Field Strength: 49093 nT		Declination:	8.39 deg
Vertical Section: Depth From (TVD)	+N/-S	Mag Dip Angle:	60.32 deg
ft	ft	+E/-W	Direction
		ft	deg
0.00	0.00	0.00	317.33

Plan: Plan #2		Date Composed: 4/24/2007	
Rev. plan to adjust PBHL		Version: 1	
Principal: No		Tied-to: From Surface	

Plan Section Information											
MD	Incl	Azim	TVD	+N/-S	+E/-W	DLS	Build	Turn	TFO	Target	
ft	deg	deg	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft	deg		
0.00	0.00	317.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
5000.00	0.00	317.33	5000.00	0.00	0.00	0.00	0.00	0.00	0.00		
5605.64	12.11	317.33	5601.14	46.89	-43.23	2.00	2.00	0.00	317.33		
11945.65	12.11	317.33	11800.00	1025.00	-945.00	0.00	0.00	0.00	0.00	PBHL	

Survey											
MD	Incl	Azim	TVD	N/S	E/W	VS	DLS	Build	Turn		Tool/Comment
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100ft	deg/100ft		
5000.00	0.00	317.33	5000.00	0.00	0.00	0.00	0.00	0.00	0.00		
5100.00	2.00	317.33	5099.98	1.28	-1.18	1.75	2.00	2.00	0.00		
5200.00	4.00	317.33	5199.84	5.13	-4.73	6.98	2.00	2.00	0.00		
5200.16	4.00	317.33	5200.00	5.14	-4.74	6.99	0.00	0.00	0.00		Bone Springs LS
5300.00	6.00	317.33	5299.45	11.54	-10.64	15.69	2.00	2.00	0.00		
5400.00	8.00	317.33	5398.70	20.50	-18.90	27.88	2.00	2.00	0.00		
5500.00	10.00	317.33	5497.47	32.00	-29.50	43.52	2.00	2.00	0.00		
5605.64	12.11	317.33	5601.14	46.89	-43.23	63.78	2.00	2.00	0.00		
5700.00	12.11	317.33	5693.40	61.45	-56.65	83.58	0.00	0.00	0.00		
5800.00	12.11	317.33	5791.17	76.88	-70.88	104.56	0.00	0.00	0.00		
5900.00	12.11	317.33	5888.95	92.30	-85.10	125.55	0.00	0.00	0.00		
6000.00	12.11	317.33	5986.72	107.73	-99.32	146.53	0.00	0.00	0.00		
6100.00	12.11	317.33	6084.49	123.16	-113.55	167.52	0.00	0.00	0.00		
6200.00	12.11	317.33	6182.27	138.59	-127.77	188.50	0.00	0.00	0.00		
6228.37	12.11	317.33	6210.00	142.96	-131.81	194.45	0.00	0.00	0.00		1st BS Sand
6300.00	12.11	317.33	6280.04	154.02	-141.99	209.48	0.00	0.00	0.00		
6400.00	12.11	317.33	6377.81	169.44	-156.22	230.47	0.00	0.00	0.00		

LEAM Drilling Systems, Inc.

Planning Report

Company: BOLD ENERGY, LP	Date: 4/24/2007	Time: 17:18:19	Page: 2
Field: Eddy County, NM	Co-ordinate(NE) Reference:	Site: Esperanza 24, Grid North	
Site: Esperanza 24	Vertical (TVD) Reference:	SITE 0.0	
Well: #1	Section (VS) Reference:	Well (0.00N,0.00E,317.33Azi)	
Wellpath: OH	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

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	Tool/Comment
6500.00	12.11	317.33	6475.59	184.87	-170.44	251.45	0.00	0.00	0.00	
6524.97	12.11	317.33	6500.00	188.72	-173.99	256.69	0.00	0.00	0.00	2nd BS Lime
6600.00	12.11	317.33	6573.36	200.30	-184.66	272.43	0.00	0.00	0.00	
6700.00	12.11	317.33	6671.13	215.73	-198.89	293.42	0.00	0.00	0.00	
6800.00	12.11	317.33	6768.91	231.15	-213.11	314.40	0.00	0.00	0.00	
6852.26	12.11	317.33	6820.00	239.21	-220.54	325.37	0.00	0.00	0.00	2nd BS Sand
6900.00	12.11	317.33	6866.68	246.58	-227.34	335.38	0.00	0.00	0.00	
7000.00	12.11	317.33	6964.46	262.01	-241.56	356.37	0.00	0.00	0.00	
7026.13	12.11	317.33	6990.00	266.04	-245.27	361.85	0.00	0.00	0.00	3rd BS Lime
7100.00	12.11	317.33	7062.23	277.44	-255.78	377.35	0.00	0.00	0.00	
7200.00	12.11	317.33	7160.00	292.86	-270.01	398.34	0.00	0.00	0.00	
7300.00	12.11	317.33	7257.78	308.29	-284.23	419.32	0.00	0.00	0.00	
7400.00	12.11	317.33	7355.55	323.72	-298.45	440.30	0.00	0.00	0.00	
7500.00	12.11	317.33	7453.32	339.15	-312.68	461.29	0.00	0.00	0.00	
7600.00	12.11	317.33	7551.10	354.57	-326.90	482.27	0.00	0.00	0.00	
7700.00	12.11	317.33	7648.87	370.00	-341.12	503.25	0.00	0.00	0.00	
7800.00	12.11	317.33	7746.64	385.43	-355.35	524.24	0.00	0.00	0.00	
7900.00	12.11	317.33	7844.42	400.86	-369.57	545.22	0.00	0.00	0.00	
8000.00	12.11	317.33	7942.19	416.28	-383.79	566.21	0.00	0.00	0.00	
8100.00	12.11	317.33	8039.97	431.71	-398.02	587.19	0.00	0.00	0.00	
8200.00	12.11	317.33	8137.74	447.14	-412.24	608.17	0.00	0.00	0.00	
8300.00	12.11	317.33	8235.51	462.57	-426.46	629.16	0.00	0.00	0.00	
8365.96	12.11	317.33	8300.00	472.74	-435.84	643.00	0.00	0.00	0.00	3rd BS sand
8400.00	12.11	317.33	8333.29	477.99	-440.69	650.14	0.00	0.00	0.00	
8500.00	12.11	317.33	8431.06	493.42	-454.91	671.12	0.00	0.00	0.00	
8600.00	12.11	317.33	8528.83	508.85	-469.13	692.11	0.00	0.00	0.00	
8700.00	12.11	317.33	8626.61	524.28	-483.36	713.09	0.00	0.00	0.00	
8800.00	12.11	317.33	8724.38	539.70	-497.58	734.07	0.00	0.00	0.00	
8877.34	12.11	317.33	8800.00	551.64	-508.58	750.30	0.00	0.00	0.00	Wolfcamp
8900.00	12.11	317.33	8822.15	555.13	-511.80	755.06	0.00	0.00	0.00	
8979.62	12.11	317.33	8900.00	567.41	-523.13	771.77	0.00	0.00	0.00	7"
9000.00	12.11	317.33	8919.93	570.56	-526.03	776.04	0.00	0.00	0.00	
9100.00	12.11	317.33	9017.70	585.99	-540.25	797.03	0.00	0.00	0.00	
9200.00	12.11	317.33	9115.48	601.41	-554.47	818.01	0.00	0.00	0.00	
9300.00	12.11	317.33	9213.25	616.84	-568.70	838.99	0.00	0.00	0.00	
9400.00	12.11	317.33	9311.02	632.27	-582.92	859.98	0.00	0.00	0.00	
9500.00	12.11	317.33	9408.80	647.70	-597.14	880.96	0.00	0.00	0.00	
9600.00	12.11	317.33	9506.57	663.12	-611.37	901.94	0.00	0.00	0.00	
9700.00	12.11	317.33	9604.34	678.55	-625.59	922.93	0.00	0.00	0.00	
9800.00	12.11	317.33	9702.12	693.98	-639.81	943.91	0.00	0.00	0.00	
9900.00	12.11	317.33	9799.89	709.41	-654.04	964.90	0.00	0.00	0.00	
10000.00	12.11	317.33	9897.66	724.83	-668.26	985.88	0.00	0.00	0.00	
10100.00	12.11	317.33	9995.44	740.26	-682.48	1006.86	0.00	0.00	0.00	
10200.00	12.11	317.33	10093.21	755.69	-696.71	1027.85	0.00	0.00	0.00	
10258.08	12.11	317.33	10150.00	764.65	-704.97	1040.03	0.00	0.00	0.00	Strawn
10300.00	12.11	317.33	10190.99	771.12	-710.93	1048.83	0.00	0.00	0.00	
10400.00	12.11	317.33	10288.76	786.54	-725.16	1069.81	0.00	0.00	0.00	
10500.00	12.11	317.33	10386.53	801.97	-739.38	1090.80	0.00	0.00	0.00	
10600.00	12.11	317.33	10484.31	817.40	-753.60	1111.78	0.00	0.00	0.00	
10700.00	12.11	317.33	10582.08	832.83	-767.83	1132.76	0.00	0.00	0.00	
10769.47	12.11	317.33	10650.00	843.54	-777.71	1147.34	0.00	0.00	0.00	Atoka
10800.00	12.11	317.33	10679.85	848.25	-782.05	1153.75	0.00	0.00	0.00	
10900.00	12.11	317.33	10777.63	863.68	-796.27	1174.73	0.00	0.00	0.00	

LEAM Drilling Systems, Inc.

Planning Report

Company: BOLD ENERGY, LP Field: Eddy County, NM Site: Esperanza 24 Well: #1 Wellpath: OH	Date: 4/24/2007 Time: 17:18:19 Page: 3 Co-ordinate(NE) Reference: Site: Esperanza 24, Grid North Vertical (TVD) Reference: SITE 0.0 Section (VS) Reference: Well (0.00N,0.00E,317.33Azi) Survey Calculation Method: Minimum Curvature Db: Sybase
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Survey

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	Tool/Comment
11000.00	12.11	317.33	10875.40	879.11	-810.50	1195.72	0.00	0.00	0.00	
11100.00	12.11	317.33	10973.17	894.54	-824.72	1216.70	0.00	0.00	0.00	
11200.00	12.11	317.33	11070.95	909.96	-838.94	1237.68	0.00	0.00	0.00	
11270.62	12.11	317.33	11140.00	920.86	-848.99	1252.50	0.00	0.00	0.00	Morrow
11300.00	12.11	317.33	11168.72	925.39	-853.17	1258.67	0.00	0.00	0.00	
11400.00	12.11	317.33	11266.50	940.82	-867.39	1279.65	0.00	0.00	0.00	
11500.00	12.11	317.33	11364.27	956.25	-881.61	1300.63	0.00	0.00	0.00	
11600.00	12.11	317.33	11462.04	971.67	-895.84	1321.62	0.00	0.00	0.00	
11628.59	12.11	317.33	11490.00	976.09	-899.90	1327.62	0.00	0.00	0.00	L. Morrow
11700.00	12.11	317.33	11559.82	987.10	-910.06	1342.60	0.00	0.00	0.00	
11800.00	12.11	317.33	11657.59	1002.53	-924.28	1363.59	0.00	0.00	0.00	
11900.00	12.11	317.33	11755.36	1017.96	-938.51	1384.57	0.00	0.00	0.00	
11945.65	12.11	317.33	11800.00	1025.00	-945.00	1394.15	0.00	0.00	0.00	PBHL

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		
Surface		0.00	0.00	0.00	502135.40	526189.10	32	22	49.644 N	104	14	54.596 W
PBHL		11800.00	1025.00	-945.00	503160.40	525244.10	32	22	59.794 N	104	15	5.607 W
-Circle (Radius: 100)												
-Plan hit target												

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
400.00	400.00	13.375	17.500	13 3/8"
1950.00	1950.00	9.625	12.250	9 5/8"
8979.62	8900.00	7.000	8.750	7"

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
1880.00	1880.00	Delaware		0.00	0.00
2580.00	2580.00	Cherry Canyon		0.00	0.00
2690.00	2690.00	B. Manzanita		0.00	0.00
3800.00	3800.00	Brushy Canyon		0.00	0.00
4210.00	4210.00	Twin Markers		0.00	0.00
4600.00	4600.00	Brushy Pay		0.00	0.00
5200.16	5200.00	Bone Springs LS		0.00	0.00
6228.37	6210.00	1st BS Sand		0.00	0.00
6524.97	6500.00	2nd BS Lime		0.00	0.00
6852.26	6820.00	2nd BS Sand		0.00	0.00
7026.13	6990.00	3rd BS Lime		0.00	0.00
8365.96	8300.00	3rd BS sand		0.00	0.00
8877.34	8800.00	Wolfcamp		0.00	0.00
10258.08	10150.00	Strawn		0.00	0.00
10769.47	10650.00	Atoka		0.00	0.00
11270.62	11140.00	Morrow		0.00	0.00
11628.59	11490.00	L. Morrow		0.00	0.00

Drilling Prognosis

April 23, 2007

Operator: **BOLD ENERGY, LP** Field: **Carlsbad; Morrow, South (Pro Gas)**
 Well: **Esperanza "24" #1** API: **30 - 015 - 34205**
 APD: **NMOCD Approval: Pending** AFE: **700014**

General Information

Location: Directionally drilled: KOP = 5000', Build Rate = 2°/ 100' to Max Angle = 12° and hold to 11,945' MDTD = 11,800' TVD.

Surface: 1685' FNL & 1935' FWL UL "F" Sec 24 - T22S - R26E, Eddy County, NM

BHL: 660' FNL & 990' FWL UL "C" Sec 24 - T22S - R26E, Eddy County, NM

Elevation: 3171' GL TD: 11,925' MD 11,800' TVD RKB: 18.0'

Objective: Middle Morrow Sands 11,150' - 11,160' 11,270' - 11,290' 11,330' - 11,380'
Lower Morrow Sands 11,485' - 11,520' 11,550' - 11,555' 11,590' - 11,600'

Contractor Office: 432 / 550-7808 Superintendent: Don Nelson (664-9990)

Toolpushers: Roy Brumfield / William Lewis Cell: 432 / 664-9942

Sierra Supervisors: Tony Vickery / Greg Fore Cell: 432 / 557-1223 Trailer

Drilling Program

Hole Size	Depth	Casing	Weight	Grade	Connect	Cement	TOC
17½"	400'	13⅜"	48	H40	STC	475 sx	Surface
12¼"	1950'	9⅝"	36	J55	STC	850 sx	Surface
8¾"	9000' 8900' TVD	7"	23	HCP-110	LTC	1390 sx	1700'
6⅛"	11,968' MD	4½"	11.6	HCP-110	LTC	260 sx	8500'

Wellhead / BOPE

Wellhead	13⅝" - 3K SOW	13 ⅝" - 3K x 11" - 5K	11" - 5K x 7 1/16" - 10K
BOPE	13⅝" - 5K Stack SRRAG	13⅝" - 5K Stack SRRAG	7 1/16" - 10K RSRRAG

Mud Program

Interval	Type	MW	VIS	FL
0' - 400'	FW - Spud	8.4 - 8.8	27 - 40	NC
400' - 1950'	FW	8.4 - 10.2	28 - 32	NC
1950' - 9000'	FW - Cut Brine	8.4 - 9.0	28 - 30	NC
9000' - TD	Cut Brine / Polymer	9.8 - 12.2	36 - 50	6 - 8

Company: NOVA MUD, INC. 432 / 570-6663 Office: Dale Welch / Tech Advisor 432 / 557-1228

Engineer: Rick Rippey 505 / 631-9597 Warehouse: 800 / 530-8786

Geological Data

Geologist: John Worrall 505 / 622-5893 office 432 / 230-9431 cell 505 / 622-2768 home

Projected Formation Tops: (TVD w/ RKB = 3179')

Formation	TVD	Formation	TVD	Formation	TVD
Delaware	1880'	Bone Springs LS	5200'	Wolfcamp	8800'
Cherry Canyon	2580'	1 st BS Sand	6210'	Strawn	10,150'
B. Manzanita	2690'	2 nd BS Lime	6500'	Atoka	10,650'
Brushy Canyon	3800'	2 nd BS Sand	6820'	Morrow	11,140'
Twin Markers	4210'	3 rd BS Lime	6990'	L. Morrow	11,490'
Brushy Pay	4600'	3 rd BS Sand	8300'	TD	11,800'

Logging - Coring - Testing Program

Mud Logs: 1900' to TD **Mud Logger:** WOODCO Logging / Paul Amancio 505 / 361-2300

Phone: Jim Wood 505 / 887-2469 office 505 / 361-3059 cell

Internet Access: www.woodcologging.com **User:** ID woodco103 **Password:** 34707b

DST / Coring Intervals: None Anticipated

E-Log Suite: Triple Combo w/ GR NGT from TD to 7" shoe - pull GR-N surface. RFT's and/or SWC's may be taken in zones of interest.

Logging Company: Halliburton

Contact: Richard Kelley

Location: Hobbs, New Mexico

Phone: 505 / 914-0324 cell 505 / 392-0776 office

Completion

4½" production casing set from 0' - TD. A single completion in the Morrow is expected - selectively perfed and fraced down casing. Completion procedure to follow evaluation of drilling results and open hole logs.

Notifications / Area Contacts

Sierra Engineering	Drilling Superintendent	Russ Ginanni	432 / 425-7450 cell 432 / 683-8000 off
Bold Energy, LP	Operations Engineering Manager	Shannon Klier	432 / 296-8602 cell 432 / 686-1100 off
Bold Energy, LP	Production Supt.	Donny Money	432 / 661-8803 cell 432 / 686-1100 off
Sierra Engineering	HSE Manager	Montie Low	432 / 559-8950 cell 432 / 683-8000 off
NMOCD	District 2 - Artesia	Notifications - Office After Hours	505 / 748-1283 505 / 748-1283 ext 104

Directions

From the intersection of US Highways 62/180 and US 285 in downtown Carlsbad, NM, (1) go south on US 62/180 and continue south - southwest on this highway for approx 2.4 miles to West Rose Street; (2) turn west (right) onto West Rose and continue approx 1½ miles; (3) turn south for approx 0.4 mile; (4) location is approx 0.2 mile west of trail road.