



July 17, 2006

NMOCD
1301 W. Grand Avenue
Artesia, New Mexico 88210

RECEIVED
JUL 19 2006
OCCIDENTAL

Re: BOLD ENERGY, LP

C-103 Change of Plans
Delilah State #1H
Wildcat; Wolfcamp Gas Field
660' FSL & 660' FWL
Sec 36 - T18S - R21E
Eddy County, New Mexico

API No. 30-015-34794

Att: Bryan Arrant

Mr. Arrant:

Enclosed are an original and one copy of the subject C-103. This request seeks approval to revise the drilling program of the Delilah State #1 to allow setting a 7" intermediate casing and an uncemented 4½" liner across the Wolfcamp horizontal pay zone.

Also enclosed is the preliminary directional drilling plan for this well, which will be revised and updated to the NMOCD once the vertical pilot hole through the Wolfcamp is logged and plugged back.

Please advise if you have questions regarding this matter or need additional information. I can be reached at 432 / 683-8000.

Sincerely,

A handwritten signature in black ink, appearing to read "D. C. Dodd".

D. C. Dodd
Sierra Engineering, agent for Bold Energy, LP

P. O. Box 50203

Midland, Texas 79710

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO. 30-015-34794
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Delilah State
8. Well Number 1H
9. OGRID Number 233545
10. Pool name or Wildcat Wildcat; Wolfcamp (Gas) 96086

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☐ Gas Well ☒ Other

RECEIVED

2. Name of Operator

BOLD ENERGY, LP

JUL 19 2006

3. Address of Operator

415 W. Wall, Suite 500

Midland, Texas 79701

4. Well Location

Unit Letter **M** : **660** feet from the **South** line and **660** feet from the **West** line

Section **36**

Township **18S**

Range **21E**

NMPM

County **Eddy**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
4061' GR

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____

Pit Liner Thickness: **12** mil Below-Grade Tank: Volume _____ bbls; Construction Material _____

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐
OTHER ☐

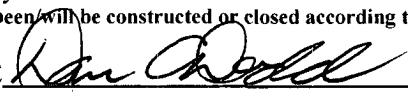
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion. *** Must see temp survey, submit to OCD.**

BOLD ENERGY requests approval to change the Casing and Cement Program from that originally proposed on C-101 form, which was approved on 4/19/06. The proposed drilling program: Spud w/ 17 1/2" bit and drill to 300'; if hole is stable reduce hole size to 12 1/4" and drill to 1300' casing point using FW spud mud (note: if upper hole is unstable, 13 3/8" structural casing will be set and cmt'd to surface w/ 270 sx 35:65 POZ-Class "C" w/ additives followed by 225 sx Class "C" w/ 2% CaCl. Set 9 5/8" casing @ 1300' & cmt w/ 350 sx 35:65 POZ-Class "C" w/ additives followed by 250 sx Class "C" w/ 2% CaCl. If necessary, use 1" tbg for top job to bring cmt to surface. Install & test BOP & csg. Drill 8 3/4" hole to 4800' TVD w/ cut brine, adjusting MW - VIS - WL as needed to maintain hole stability and well control. Log and determine optimum depth for lateral into Wolfcamp zone. Plug back wellbore to desired KOP, build curve to approx 75° at approx 4500' and set 7" casing w/ 300 sx PVL cont'g 12% gel, 0.3% antifoam, 0.1% FLA & 0.1% pps cello-flakes followed by 225 sx PVL w/ 0.3% FLA, 0.2% dispersant & 0.2% anti-foam. Install WH & BOPE, test BOPE & casing, drill out 7" shoe and continue to build angle to 90° at approx 4500' TVD with an azimuth of 0°. Drill +/- 4000' lateral into Wolfcamp producing interval, estimated TD = 8100' MD. Run 4 1/2" liner from approx 3800' - 8100' with a series of open hole packers and mechanically shifted sliding sleeves to allow frac stimulation of the Wolfcamp horizontal. The proposed BHL remains as originally proposed: 660' FNL & 660' FWL Section 36 - T18S - R21E.

Revised Casing and Cement Program:

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12 1/4"	9.625"	36.0#	1300'	600	Circulated
8 3/4"	7.000"	26.0#	4500'	500	1100'
6 1/8"	4 1/2"	11.6#	3850' - 8100'	Uncemented	

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☒, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE  TITLE **Agent for BOLD ENERGY, LP** DATE **7/17/06**
Type or print name **D. C. Dodd** E-mail address: **ddodd@sierra-engineering.net** Telephone No. **432 / 683-8000**

For State Use Only

BRYAN G. ARRAUT
DISTRICT II GEOLOGIST

APPROVED BY: _____
Conditions of Approval (if any): _____

DATE **JUL 21 2006**

PathFinder

Planning Report - Geographic

Company: Bold Energy Field: Hope Site: Delilah State #1 H Well: Delilah State #1-H Wellpath: Delilah State #1-H	Date: 2/13/2006 Co-ordinate(NE) Reference: Site: Delilah State #1 H, Grid North Vertical (TVD) Reference: System: Mean Sea Level Section (VS) Reference: Well (0.00N,0.00E,0.00Azi) Plan: Plan #12-13-06	Page: 1 Time: 15:42:20
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Field: Hope Section 36 - T18 South -R21 East Eddy Co. NM USA 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: Site Centre Geomagnetic Model: igr2005
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Site: Delilah State #1 H			
Section 36- T18S - R21E Eddy Co. NM			
Site Position:	Northing:	491970.98 ft	Latitude: 32 21 6.620 N
From: Map	Easting:	369781.51 ft	Longitude: 104 45 18.060 W
Position Uncertainty: 0.00 ft			North Reference: Grid
Ground Level: 0.00 ft			Grid Convergence: -0.23 deg

Well: Delilah State #1-H				Slot Name:			
Well Position:	+N/-S	0.00 ft	Northing:	491970.98 ft	Latitude:	32 21 6.620 N	
+E/-W	0.00 ft	Easting:	369781.51 ft	Longitude:	104 45 18.060 W		
Position Uncertainty:	0.00 ft						

Wellpath: Delilah State #1-H				Drilled From: Surface			
Current Datum: Mean Sea Level				Tie-on Depth: 0.00 ft			
Magnetic Data: 2/13/2006				Above System Datum: Mean Sea Level			
Field Strength: 49126 nT				Declination: 8.74 deg			
Vertical Section: Depth From (TVD)				Mag Dip Angle: 60.22 deg			
		+N/-S			+E/-W		Direction
		ft			ft		deg
0.00		0.00	0.00		0.00		0.00

Plan: Plan #12-13-06	Date Composed: 2/13/2006
Principal: Yes	Version: 1
	Tied-to: From Surface

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4022.54	0.00	0.00	4022.54	0.00	0.00	0.00	0.00	0.00	0.00	
4772.54	90.00	0.00	4500.00	477.46	0.00	12.00	12.00	0.00	0.00	
8255.07	90.00	0.00	4500.00	3960.00	0.00	0.00	0.00	0.00	0.00	PBHL Delilah #1H

Section 1 : 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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4000.00	0.00	0.00	4000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4022.54	0.00	0.00	4022.54	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Section 2 : Start Build 12.00										
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
4023.00	0.06	0.00	4023.00	0.00	0.00	0.00	12.00	12.00	0.00	0.00
4200.00	21.30	0.00	4195.94	32.60	0.00	32.60	12.00	12.00	0.00	0.00
4400.00	45.30	0.00	4361.89	141.59	0.00	141.59	12.00	12.00	0.00	0.00
4600.00	69.30	0.00	4469.16	308.66	0.00	308.66	12.00	12.00	0.00	0.00
4772.54	90.00	0.00	4500.00	477.46	0.00	477.46	12.00	12.00	0.00	0.00

Section 3 : 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
4773.00	90.00	0.00	4500.00	477.93	0.00	477.93	0.00	0.00	0.00	0.00
4800.00	90.00	0.00	4500.00	504.93	0.00	504.93	0.00	0.00	0.00	0.00

PathFinder

Planning Report - Geographic

Company: Bold Energy	Date: 2/13/2006	Time: 15:42:20	Page: 2
Field: Hope	Co-ordinate(NE) Reference: Site: Delilah State #1 H, Grid North		
Site: Delilah State #1 H	Vertical (TVD) Reference: System: Mean Sea Level		
Well: Delilah State #1-H	Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)		
Wellpath: Delilah State #1-H	Plan: Plan #12-13-06		

Section 3 : 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
5000.00	90.00	0.00	4500.00	704.93	0.00	704.93	0.00	0.00	0.00	0.00
5200.00	90.00	0.00	4500.00	904.93	0.00	904.93	0.00	0.00	0.00	0.00
5400.00	90.00	0.00	4500.00	1104.93	0.00	1104.93	0.00	0.00	0.00	0.00
5600.00	90.00	0.00	4500.00	1304.93	0.00	1304.93	0.00	0.00	0.00	0.00
5800.00	90.00	0.00	4500.00	1504.93	0.00	1504.93	0.00	0.00	0.00	0.00
6000.00	90.00	0.00	4500.00	1704.93	0.00	1704.93	0.00	0.00	0.00	0.00
6200.00	90.00	0.00	4500.00	1904.93	0.00	1904.93	0.00	0.00	0.00	0.00
6400.00	90.00	0.00	4500.00	2104.93	0.00	2104.93	0.00	0.00	0.00	0.00
6600.00	90.00	0.00	4500.00	2304.93	0.00	2304.93	0.00	0.00	0.00	0.00
6800.00	90.00	0.00	4500.00	2504.93	0.00	2504.93	0.00	0.00	0.00	0.00
7000.00	90.00	0.00	4500.00	2704.93	0.00	2704.93	0.00	0.00	0.00	0.00
7200.00	90.00	0.00	4500.00	2904.93	0.00	2904.93	0.00	0.00	0.00	0.00
7400.00	90.00	0.00	4500.00	3104.93	0.00	3104.93	0.00	0.00	0.00	0.00
7600.00	90.00	0.00	4500.00	3304.93	0.00	3304.93	0.00	0.00	0.00	0.00
7800.00	90.00	0.00	4500.00	3504.93	0.00	3504.93	0.00	0.00	0.00	0.00
8000.00	90.00	0.00	4500.00	3704.93	0.00	3704.93	0.00	0.00	0.00	0.00
8200.00	90.00	0.00	4500.00	3904.93	0.00	3904.93	0.00	0.00	0.00	0.00
8255.07	90.00	0.00	4500.00	3960.00	0.00	3960.00	0.00	0.00	0.00	0.00

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		
4000.00	0.00	0.00	4000.00	0.00	0.00	491970.98	369781.51	32	21	6.620 N	104	45	18.060 W
4022.54	0.00	0.00	4022.54	0.00	0.00	491970.98	369781.51	32	21	6.620 N	104	45	18.060 W
4023.00	0.06	0.00	4023.00	0.00	0.00	491970.98	369781.51	32	21	6.620 N	104	45	18.060 W
4200.00	21.30	0.00	4195.94	32.60	0.00	492003.59	369781.51	32	21	6.943 N	104	45	18.061 W
4400.00	45.30	0.00	4361.89	141.59	0.00	492112.58	369781.51	32	21	8.021 N	104	45	18.067 W
4600.00	69.30	0.00	4469.16	308.66	0.00	492279.64	369781.51	32	21	9.674 N	104	45	18.074 W
4772.54	90.00	0.00	4500.00	477.46	0.00	492448.45	369781.51	32	21	11.345 N	104	45	18.082 W
4773.00	90.00	0.00	4500.00	477.93	0.00	492448.91	369781.51	32	21	11.350 N	104	45	18.082 W
4800.00	90.00	0.00	4500.00	504.93	0.00	492475.91	369781.51	32	21	11.617 N	104	45	18.083 W
5000.00	90.00	0.00	4500.00	704.93	0.00	492675.91	369781.51	32	21	13.596 N	104	45	18.092 W
5200.00	90.00	0.00	4500.00	904.93	0.00	492875.91	369781.51	32	21	15.575 N	104	45	18.102 W
5400.00	90.00	0.00	4500.00	1104.93	0.00	493075.91	369781.51	32	21	17.554 N	104	45	18.111 W
5600.00	90.00	0.00	4500.00	1304.93	0.00	493275.91	369781.51	32	21	19.533 N	104	45	18.120 W
5800.00	90.00	0.00	4500.00	1504.93	0.00	493475.91	369781.51	32	21	21.513 N	104	45	18.129 W
6000.00	90.00	0.00	4500.00	1704.93	0.00	493675.91	369781.51	32	21	23.492 N	104	45	18.138 W
6200.00	90.00	0.00	4500.00	1904.93	0.00	493875.91	369781.51	32	21	25.471 N	104	45	18.147 W
6400.00	90.00	0.00	4500.00	2104.93	0.00	494075.91	369781.51	32	21	27.450 N	104	45	18.157 W
6600.00	90.00	0.00	4500.00	2304.93	0.00	494275.91	369781.51	32	21	29.429 N	104	45	18.166 W
6800.00	90.00	0.00	4500.00	2504.93	0.00	494475.91	369781.51	32	21	31.409 N	104	45	18.175 W
7000.00	90.00	0.00	4500.00	2704.93	0.00	494675.91	369781.51	32	21	33.388 N	104	45	18.184 W
7200.00	90.00	0.00	4500.00	2904.93	0.00	494875.91	369781.51	32	21	35.367 N	104	45	18.193 W
7400.00	90.00	0.00	4500.00	3104.93	0.00	495075.91	369781.51	32	21	37.346 N	104	45	18.203 W
7600.00	90.00	0.00	4500.00	3304.93	0.00	495275.91	369781.51	32	21	39.325 N	104	45	18.212 W
7800.00	90.00	0.00	4500.00	3504.93	0.00	495475.91	369781.51	32	21	41.304 N	104	45	18.221 W
8000.00	90.00	0.00	4500.00	3704.93	0.00	495675.91	369781.51	32	21	43.284 N	104	45	18.230 W
8200.00	90.00	0.00	4500.00	3904.93	0.00	495875.91	369781.51	32	21	45.263 N	104	45	18.239 W
8255.07	90.00	0.00	4500.00	3960.00	0.00	495930.98	369781.51	32	21	45.808 N	104	45	18.242 W

PathFinder

Planning Report - Geographic

Company: Bold Energy	Date: 2/13/2006	Time: 15:42:20	Page: 3
Field: Hope	Co-ordinate(NE) Reference: Site: Delilah State #1 H, Grid North		
Site: Delilah State #1 H	Vertical (TVD) Reference: System: Mean Sea Level		
Well: Delilah State #1-H	Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)		
Wellpath: Delilah State #1-H	Plan: Plan #12-13-06		

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 Delilah #1H		4500.00	3960.00	0.00	495930.98	369781.51	32	21	45.808 N	104	45	18.242 W

Annotation

MD ft	TVD ft	
4023.00	4023.00	KOP @ 4023' MD
4773.00	4500.00	Land Curve @ 4773' MD 90° Inc.

PATHFINDER
ENERGY SERVICES

WELLPATH DETAILS

Ref Datum	Mean Sea Level	0.00ft
Rge: V:Section Angle	Origin +N:S 0.00	Origin +E:W 0.00
0.00°	0.00	0.00

COMPANY DETAILS

No.	TVD	MD	Annotation
1	4023.00	4023.00	KOP @ 4023' MD
2	4500.00	4773.00	Land Curve @ 4773' MD 90° Inc.

Calculation Method:	Minimum Curvature
Error System:	Systematic Ellipse
Scan Method:	Closed Approach 3D
Error Surface:	Elliptical Conic
Warning Method:	Error Ratio

SITE DETAILS

Delhian State #1 H
Section 36- T18S - R21E Eddy Co NM
Site Centre Northing: 491970.98
Easting: 369781.51
Water Depth: 0.00
Positional Uncertainty: 0.00
Convergence: -0.23

SECTION DETAILS

Site	MD	Inc	Azi	TYD	+N/S	+E/W	DLg	Ttacc	VSec	Targd
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4022.54	0.00	0.00	4022.54	0.00	0.00	0.00	0.00	0.00	
3	4172.54	90.00	0.00	4177.46	0.00	12.00	0.00	477.46	3660.00	PHH Delima #1H
4	8255.07	90.00	0.00	4500.00	3960.00	0.00	0.00	0.00		



Azimuths to Grid North
True North: 0.23°
Magnetic North: 8.97°

