

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

If earthen pits are used in
association with the drilling of this
well, an OCD pit permit must be
obtained prior to pit construction.

Form C-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

Santa Fe, NM 87505

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address BOLD ENERGY, LP 415 W. Wall, Suite 500 Midland, Texas 79701		² OGRID Number 233545
³ Property Code 35503		³ API Number 30-015-34687
⁵ Property Name Abner State		⁶ Well No. 1H
⁹ Proposed Pool 1 Wildcat; Wolfcamp Gas		¹⁰ Proposed Pool 2

RECEIVED

MAR 13 2006

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	6	19S	23E		660	South	1980	East	Eddy

8 Proposed 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	East/West line	County
B	6	19S	23E		660	North	1980	East	Eddy

Additional Well Information

¹¹ Work Type Code N	¹² Well Type Code G	¹³ Cable/Rotary Rotary	¹⁴ Lease Type Code S	¹⁵ Ground Level Elevation 4048'
¹⁶ Multiple No	¹⁷ Proposed Depth 4800' TD 8267' MD	¹⁸ Formation Wolfcamp	¹⁹ Contractor N/A	²⁰ Spud Date Rig Availability
Depth to Groundwater > 100'		Distance from nearest fresh water well > 1000'		Distance from nearest surface water > 1000'
Pit: Liner: Synthetic ☒ 12 mils thick Clay ☐ Pit Volume: 10,000 bbls Drilling Method: Closed-Loop System ☐ Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐				

21 Proposed 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"	5.500"	17.0#	4500' TVD - 8267' MD	850	1700'
					CIRC TO SURFACE

²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

Spud w/ 12 1/4" bit and drill to 1300' casing point using FW spud mud (note: if upper hole is unstable, hole will be opened to 17 1/2" to 300' and 13 3/8" casing set and cmt'd to surface w/ 270 sx 35:65 POZ-Class "C" w/ additives followed by 225 sx Class "C" w/ 2% CaCl₂). 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% CaCl₂. 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 90° at approx 4500' TVD with an azimuth of 0° and drill +/- 4000' lateral into Wolfcamp producing interval. Set 5 1/2" production casing at TD (approx 8267' MD) and cmt with 500 sx 35:65 POZ-Class "C" w/ additives followed by 350 sx Class "C" cmt with additives (acid soluble); expected TOC @ 1100'. (Note: if hole conditions warrant, a 7" contingency casing string will be set through the curve to approx 4700' MD, a 6 1/8" hole drilled to TD, 4 1/2" production string set from 0' to TD and cmt'd with sufficient volume to bring TOC to approx 1100'.)

BOP: a 3000 psi double ram preventer w/ annular will be utilized; if needed, a rotating head will be added to this stack.

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: **D. C. Dodd**

Title: **Agent for BOLD ENERGY, LP**

E-mail Address: **ddodd@sierra-engineering.net**

Date: **3/10/06**

Phone: **432 / 686-1100**

OIL CONSERVATION DIVISION	
Approved by: <i>[Signature]</i>	
Title: District II Supervisor	
Approval Date: MAR 14 2006	Expiration Date: MAR 14 2007
Conditions of	

TDC COWTOWN STAGE 41 API #30-015-33033
shall be P&A, T&A in order for this well to produce.

NOTIFY OCD OF SPUD & TIME
TO WITNESS CEMENTING OF
SURFACE CASING.

Production Casing

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, 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 & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number	² Pool Code 96086	³ Pool Name Wildcat; Wolfcamp Gas
⁴ Property Code	⁵ Property Name Abner State	⁶ Well Number 1H
⁷ OGRID No. 233545	⁸ Operator Name BOLD ENERGY, LP	⁹ Elevation 4048'

¹⁰ Surface Location

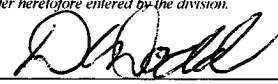
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
O	6	19S	23E		660	South	1980	East	Eddy

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	East/West line	County
B	6	19S	23E		660	North	1980	East	Eddy

¹² Dedicated Acres 320	¹³ Joint or Infill N	¹⁴ Consolidation Code P	¹⁵ Order No.
---	---	--	-------------------------

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 RECEIVED MAR 13 2006 OCD-ARTESIA	660' BHL 1980' SHL 660'	E/2 6 - 19S - 23E VO-5654-0001 320 acres	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.  Signature 3/10/06 Date D. C. Dodd, Agent for Bold Energy, LP Printed Name ddodd@sierra-engineering.net		
			18 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. January 18, 2006 Date of Survey Signature and Seal of Professional Surveyor: See attached survey plat issued by Gary Eidson. 12641 Certificate Number		

State of New Mexico

DISTRICT I

1225 N. FRENCH DR., HOBBS, NM 88240

Energy, Minerals and Natural Resources Department

Form C-102

DISTRICT II

1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

1220 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Revised JUNE 10, 2003

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

1220 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name ABNER STATE	Well Number 1H
OGRID No.	Operator Name BOLD ENERGY, LP	Elevation 4048'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	6	19-S	23-E		660	SOUTH	1980	EAST	EDDY

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	East/West line	County
2	6	19-S	23-E		660	NORTH	1980	EAST	EDDY
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

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

LOT 4	LOT 3	LOT 2	LOT 1
	B.H. Y=616758.8 N X=378502.5 E	660'	1980'
36.04 AC	39.92 AC	39.86 AC	39.81 AC
LOT 5			
RECEIVED MAR 13 2006 OCD-ARTESIA			
36.13 AC			
LOT 6			
	GEODETIC COORDINATES NAD 27 NME SURF. Y=612793.5 N X=378492.6 E	0008'35" DIST. = 3966.5'	
36.22 AC			
LOT 7			
	LAT.=32°41'02.57" N LONG.=104°43'41.73" W		
36.31 AC			
		660'	1980'

OPERATOR CERTIFICATION

I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief.

Signature _____

Printed Name _____

Title _____

Date _____

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.

JANUARY 18, 2006

Date Surveyed _____ JR

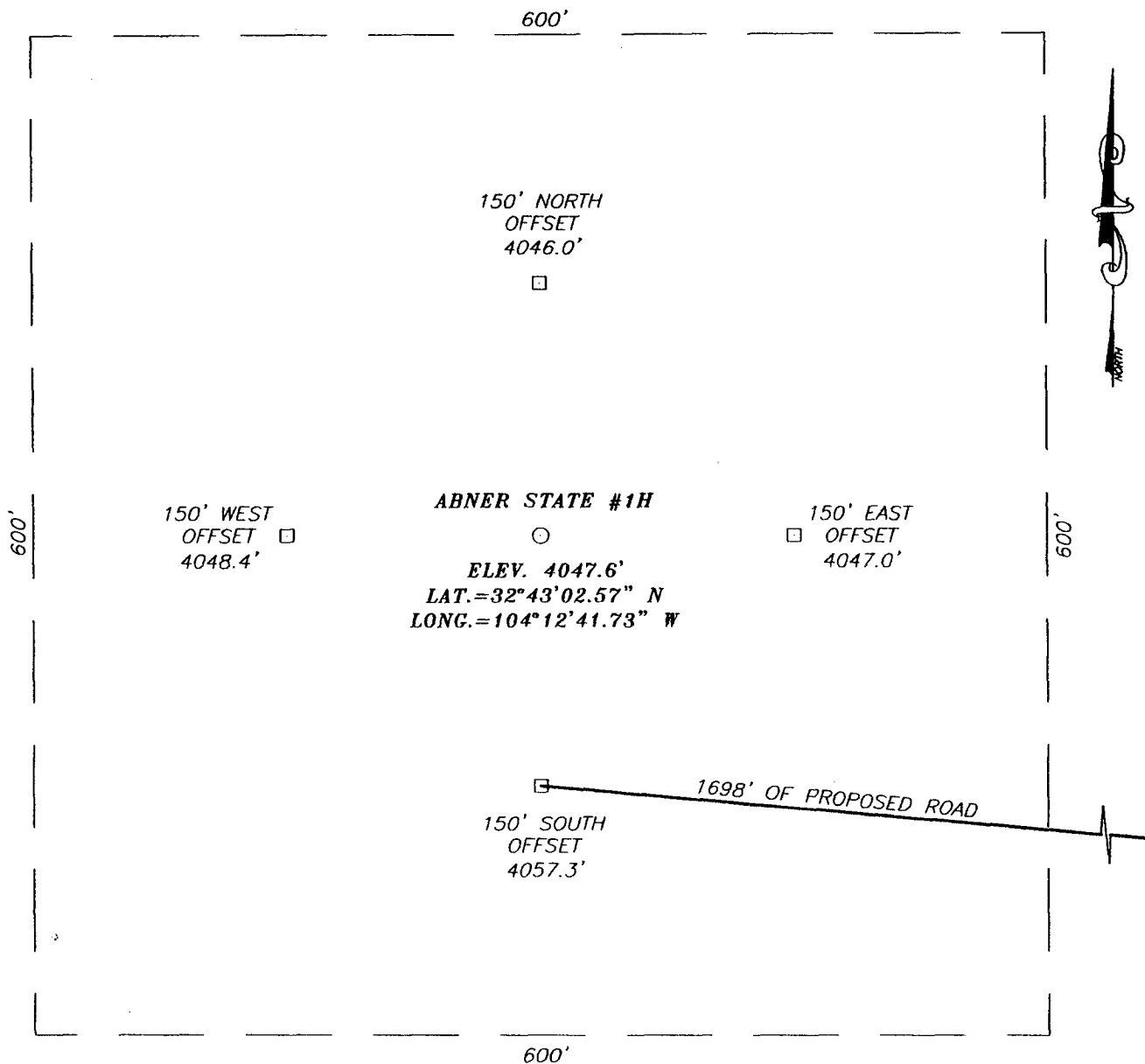
Signature & Seal of Professional Surveyor

GARY EIDSON 1/30/06

06.11.0105

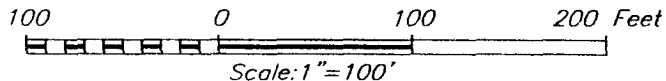
Certificate No. GARY EIDSON 12641

SECTION 6, TOWNSHIP 19 SOUTH, RANGE 23 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

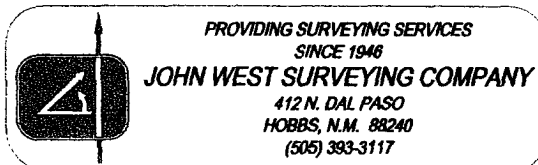
FROM THE INTERSECTION OF CO. RD. #12
 (ARMSTRONG RD.) AND CO. RD. #21 (ROCKIN R
 RD.—APPROX. 9.0 MILES SOUTH OF HOPE N.M.)
 GO NW ON CO. RD. #12 APPROX. 0.1 MILES.
 TURN LEFT (WEST) AND GO APPROX. 0.3 MILES
 TO THE EXISTING THRESHOLD DEVELOPMENT TDC
 COWTOWN ST. #1 WELL AND FOLLOW PROPOSED
 ROAD SURVEY WEST APPROX. 0.32 MILES TO THIS
 LOCATION.



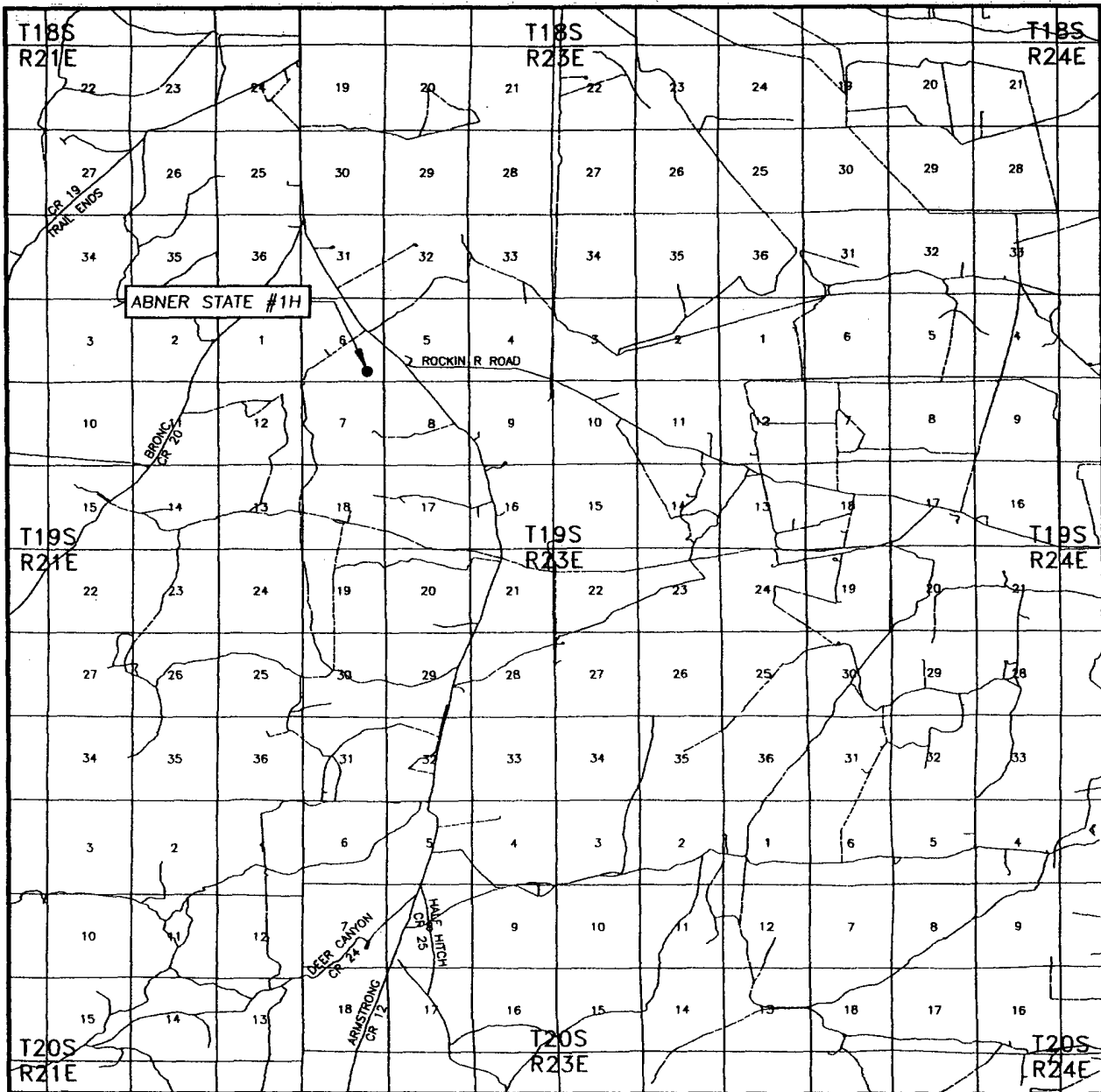
BOLD ENERGY, LP

ABNER STATE #1H WELL
 LOCATED 660 FEET FROM THE SOUTH LINE
 AND 1980 FEET FROM THE EAST LINE OF SECTION 6,
 TOWNSHIP 19 SOUTH, RANGE 23 EAST, N.M.P.M.,
 EDDY COUNTY, NEW MEXICO.

Survey Date: 1/18/06	Sheet 1 of 1 Sheets
W.O. Number: 06.11.0105	Dr By: J.R.
Date: 1/25/06	Disk: CD#6
06110105	Scale: 1"=100'



VICINITY MAP



SCALE: 1" = 2 MILES

SEC. 6 TWP. 19-S RGE. 23-E

SURVEY N.M.P.M.

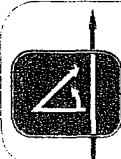
COUNTY EDDY STATE NEW MEXICO

DESCRIPTION 660' FSL & 1980' FEL

ELEVATION 4048'

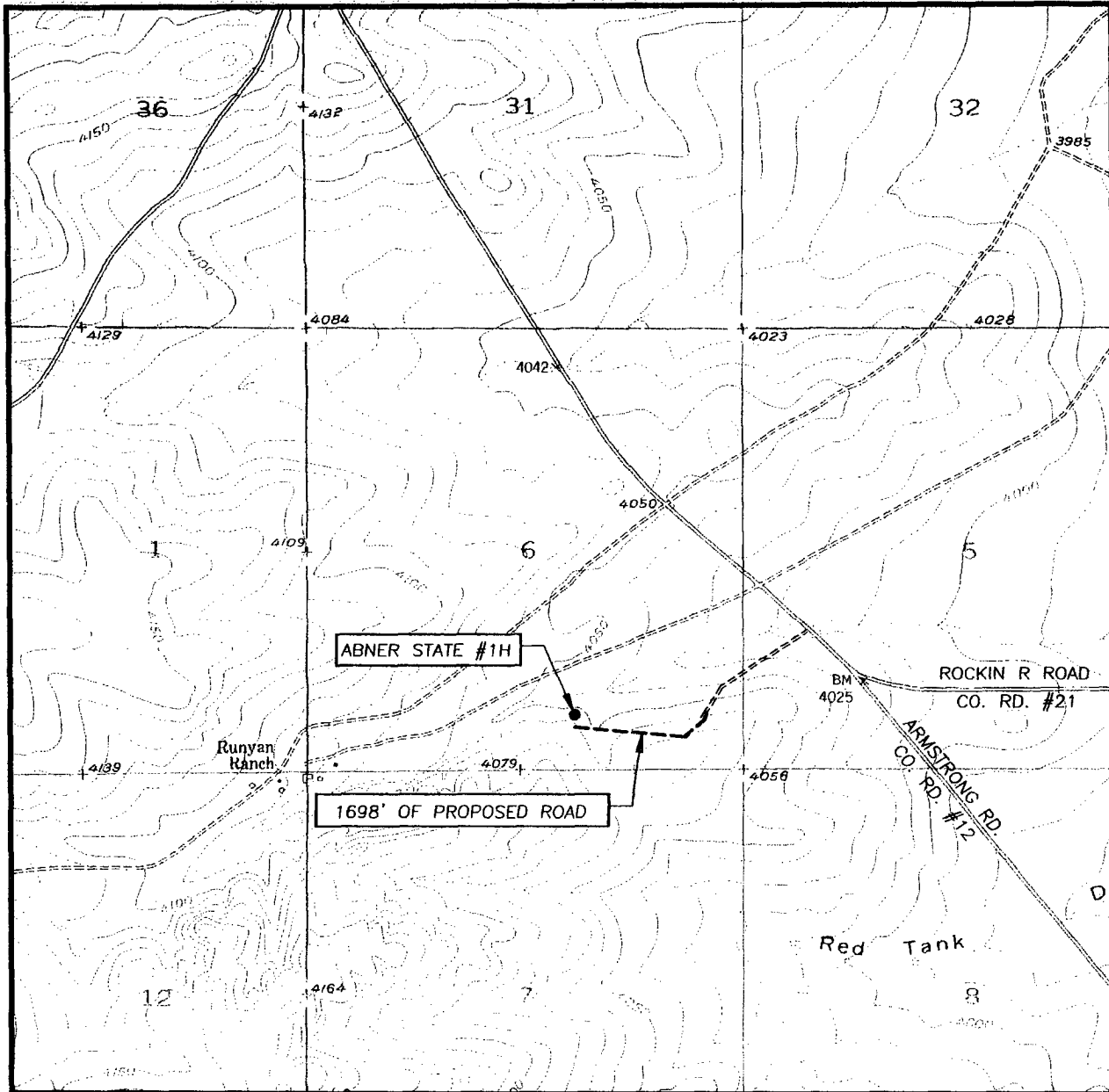
OPERATOR BOLD ENERGY, LP

LEASE ABNER STATE



PROVIDING SURVEYING SERVICES
SINCE 1946
JOHN WEST SURVEYING COMPANY
412 N. DAL PASO
HOBBBS, N.M. 88240
(505) 393-3117

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
ANTELOPE SINK, N.M. — 10'

SEC. 6 TWP. 19-S RGE. 23-E

SURVEY N.M.P.M.

COUNTY EDDY STATE NEW MEXICO

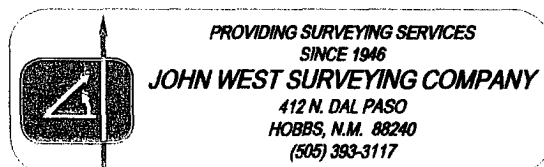
DESCRIPTION 660' FSL & 1980' FEL

ELEVATION 4048'

OPERATOR BOLD ENERGY, LP

LEASE ABNER STATE

U.S.G.S. TOPOGRAPHIC MAP
ANTELOPE SINK, N.M.





March 10, 2006

**NMOCD
1301 W. Grand Avenue
Artesia, New Mexico 88210**

Att: Bryan Arrant

RECEIVED

MAR 13 2006

ODD-ARTESIA

**Re: APD Filing
Bold Energy, LP
Abner State #1H
Wildcat; Wolfcamp Gas Field
660' FSL & 1980' FEL
Sec 6 - T19S - R23E
Eddy County, New Mexico**

Bryan:

Per our telephone conversation concerning the above captioned APD, this is to advise that Bold Energy, LP commits to ceasing production from it's TDC Cowtown State #1 (API No. 30-015-33059) located in UL "P" of Section 6 - T19S - R23E should the Abner State #1H prove to be an economical producer from the objective Wolfcamp interval. In order to be in compliance with the NMOCD rules and regulations, the TDC Cowtown State #1 would remain in a shut-in status until regulatory approval is received for returning this well to production.

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 "Dan Dodd", written over a horizontal line.

**Dan Dodd
Sierra Engineering for Bold Energy, LP**

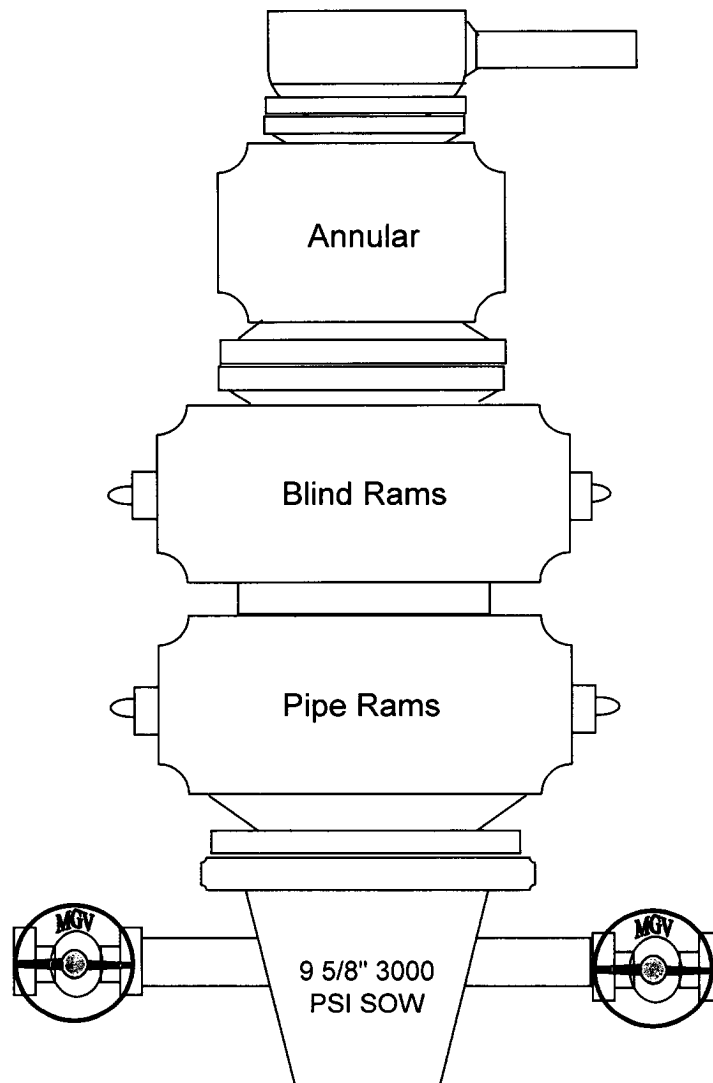
P. O. Box 50203

Midland, Texas 79710

Bold Energy, LP

Abner State #1H
Section 6 - T19S - R23E
Eddy County, New Mexico

11" - 3000 PSI Stack



PathFinder

Planning Report - Geographic

Company: Bold Energy Field: Hope Site: Abner State #1-H Well: Abner State #1-H Wellpath: Abner State #1-H	Date: 2/13/2006 Co-ordinate(NE) Reference: Site: Abner State #1-H, Grid North Vertical (TVD) Reference: System: Mean Sea Level Section (VS) Reference: Well (0.00N,0.00E,0.00Azi) Plan: Plan #1.2-13-06	Time: 16:04:19 Page: 1
--	--	---

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: igrf2005
--	--

Site: Abner State #1-H

Site Position: From: Lease Line Position Uncertainty: 0.00 ft Ground Level: 0.00 ft	Northing: Easting:	ft ft	Latitude: Longitude: North Reference: Grid Grid Convergence: -0.20 deg
--	-------------------------------------	------------------------	---

Well: Abner State #1-H Well Position: +N/-S 0.00 ft Northing: 449477.74 ft +E/-W 0.00 ft Easting : 383187.83 ft Position Uncertainty: 0.00 ft	Slot Name: Latitude: 32 14 6.600 N Longitude: 104 42 40.030 W
---	--

Wellpath: Abner State #1-H Current Datum: Mean Sea Level Magnetic Data: 2/13/2006 Field Strength: 49060 nT Vertical Section: Depth From (TVD) ft	Height 0.00 ft +N/-S ft	Drilled From: Surface Tie-on Depth: 0.00 ft Above System Datum: Mean Sea Level Declination: 8.71 deg Mag Dip Angle: 60.12 deg +E/-W ft Direction deg	RECEIVED MAR 13 2006 OOD-ARTESIA
0.00	0.00	0.00	0.00

Plan: Plan #1.2-13-06 Principal: Yes	Date Composed: 2/13/2006 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 Abner State #1-H

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
 Field: Hope
 Site: Abner State #1-H
 Well: Abner State #1-H
 Wellpath: Abner State #1-H

Date: 2/13/2006 Time: 16:04:19 Page: 2
 Co-ordinate(NE) Reference: Site: Abner State #1-H, Grid North
 Vertical (TVD) Reference: System: Mean Sea Level
 Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
 Plan: Plan #1 2-13-06

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	449477.74	383187.83	32	14	6.600 N	104	42	40.030 W
4022.54	0.00	0.00	4022.54	0.00	0.00	449477.74	383187.83	32	14	6.600 N	104	42	40.030 W
4023.00	0.06	0.00	4023.00	0.00	0.00	449477.74	383187.83	32	14	6.600 N	104	42	40.030 W
4200.00	21.30	0.00	4195.94	32.60	0.00	449510.34	383187.83	32	14	6.923 N	104	42	40.031 W
4400.00	45.30	0.00	4361.89	141.59	0.00	449619.33	383187.83	32	14	8.001 N	104	42	40.036 W
4600.00	69.30	0.00	4469.16	308.66	0.00	449786.40	383187.83	32	14	9.655 N	104	42	40.043 W
4772.54	90.00	0.00	4500.00	477.46	0.00	449955.20	383187.83	32	14	11.325 N	104	42	40.050 W
4773.00	90.00	0.00	4500.00	477.93	0.00	449955.67	383187.83	32	14	11.330 N	104	42	40.050 W
4800.00	90.00	0.00	4500.00	504.93	0.00	449982.67	383187.83	32	14	11.597 N	104	42	40.051 W
5000.00	90.00	0.00	4500.00	704.93	0.00	450182.67	383187.83	32	14	13.576 N	104	42	40.059 W
5200.00	90.00	0.00	4500.00	904.93	0.00	450382.67	383187.83	32	14	15.555 N	104	42	40.067 W
5400.00	90.00	0.00	4500.00	1104.93	0.00	450582.67	383187.83	32	14	17.535 N	104	42	40.075 W
5600.00	90.00	0.00	4500.00	1304.93	0.00	450782.67	383187.83	32	14	19.514 N	104	42	40.083 W
5800.00	90.00	0.00	4500.00	1504.93	0.00	450982.67	383187.83	32	14	21.493 N	104	42	40.092 W
6000.00	90.00	0.00	4500.00	1704.93	0.00	451182.67	383187.83	32	14	23.472 N	104	42	40.100 W
6200.00	90.00	0.00	4500.00	1904.93	0.00	451382.67	383187.83	32	14	25.451 N	104	42	40.108 W
6400.00	90.00	0.00	4500.00	2104.93	0.00	451582.67	383187.83	32	14	27.431 N	104	42	40.116 W
6600.00	90.00	0.00	4500.00	2304.93	0.00	451782.67	383187.83	32	14	29.410 N	104	42	40.124 W
6800.00	90.00	0.00	4500.00	2504.93	0.00	451982.67	383187.83	32	14	31.389 N	104	42	40.133 W
7000.00	90.00	0.00	4500.00	2704.93	0.00	452182.67	383187.83	32	14	33.368 N	104	42	40.141 W
7200.00	90.00	0.00	4500.00	2904.93	0.00	452382.67	383187.83	32	14	35.348 N	104	42	40.149 W
7400.00	90.00	0.00	4500.00	3104.93	0.00	452582.67	383187.83	32	14	37.327 N	104	42	40.157 W
7600.00	90.00	0.00	4500.00	3304.93	0.00	452782.67	383187.83	32	14	39.306 N	104	42	40.165 W
7800.00	90.00	0.00	4500.00	3504.93	0.00	452982.67	383187.83	32	14	41.285 N	104	42	40.174 W
8000.00	90.00	0.00	4500.00	3704.93	0.00	453182.67	383187.83	32	14	43.265 N	104	42	40.182 W
8200.00	90.00	0.00	4500.00	3904.93	0.00	453382.67	383187.83	32	14	45.244 N	104	42	40.190 W
8255.07	90.00	0.00	4500.00	3960.00	0.00	453437.74	383187.83	32	14	45.789 N	104	42	40.192 W

PathFinder

Planning Report - Geographic

Company: Bold Energy
Field: Hope
Site: Abner State #1-H
Well: Abner State #1-H
Wellpath: Abner State #1-H

Date: 2/13/2006 **Time:** 16:04:19 **Page:** 3
Co-ordinate(NE) Reference: Site: Abner State #1-H, Grid North
Vertical (TVD) Reference: System: Mean Sea Level
Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Plan: Plan #1 2-13-06

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 Abner State #1-H			4500.00	3960.00	0.00	453437.74	383187.83	32	14	45.789 N	104	42	40.192 W

Annotation

MD ft	TVD ft	
4023.00	4023.00	KOP @ 4023' MD
4773.00	4500.00	End Of Build @ 4773' MD 90°Inc

Bold Energy
Abner State #1-H
Section 6, T19-S, R 23-E
Eddy County, New Mexico
Plan #1 2-13-06

WELLPATH DETAILS

Rig:			
Ref. Datum:	Mean Sea Level	0.00ft	
V/Section Angle	Origin +N/-S	Origin +E/-W	Starting From TVD
0.00°	0.00	0.00	0.00

ANNOTATIONS

No.	TV	MD	Annotation
1	4023.00	4023.00	KOP @ 4023' MD
2	4500.00	4773.00	End Of Build @ 4773' MD 90° Inc

COMPANY DETAILS

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

SITE DETAILS

Abner State #1-H
Water Depth: 0.00
Positional Uncertainty: 0.00
Convergence: -0.20

SECTION DETAILS

Sec	MD	Inc	Az	TV	+N/-S	+E/-W	DL-eg	TF-acc	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	4023.34	0.00	0.00	4023.34	0.00	0.00	0.00	0.00	0.00	
3	4773.00	90.00	0.00	4773.00	0.00	0.00	12.00	0.00	477.46	
4	8355.07	90.00	0.00	4500.00	3960.00	0.00	0.00	0.00	3960.00	PBHL Abner State #1-H

G
T
M

Adjustments to Grid North
True North: 0.20°
Magnetic North: 8.92°
Magnetic Field
Strength: 49060nT
Dip Angle: 60.12°
Date: 2/13/2006
Model: igfr2005

True Vertical Depth (2000ft/in)
KOP @ 4023' MD
End Of Build @ 4773' MD 90° Inc

Plan #1 2-13-06

PBHL Abner State #1-H

Vertical Section at 100' (2000ft/in)

