

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. <b>30 - 025 - 37919</b>
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>Ezekiel State</b>
8. Well Number <b>001</b>
9. OGRID Number <b>233545</b>
10. Pool name or Wildcat <b>Townsend; Atoka (Gas) 97137</b>

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

2. Name of Operator

**BOLD ENERGY, LP**

3. Address of Operator

**415 W. Wall, Suite 500 Midland, Texas 79701**

4. Well Location

Unit Letter **E**: **1650** feet from the **North** line and **980** feet from the **West** line

Section **4** Township **16S** Range **35E** NMPM County **Lea**

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**4040' 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: \_\_\_\_\_ 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

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ PLUG 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.

5/16/06: Bit & scraper run to PBTD (12,052'). 5/17/07: Pickle tbq & TOOH. Ran CBL from PBTD to 8,800' w/2,000 psi applied. Test casing to 8,100 psi. Perf'd Atoka 11637' - 11643' w/ 3-3/8" casing guns, 22.7 120° phasing, 0.46" EHD. 5/18/07: WL set pkr at 11620' & TIH w/2-7/8" tbq. Pump out plug. Swab tubing down. Acidized with 1000 gal 15% HCL acid. Pressure slowly increasing throughout acid job. LTR = 92.5 bbls. ISIP = 5840 psi, 5 min SIP = 5631 psi, 10 min SIP = 5558 psi, 15 min SIP = 5510 psi. Pavg = 6450 psi at 3.0 bpm. Attempted to flow. Recovered 6 bbls in 15 minutes. Well dead. 5/19/07: SITP = 1500 psi. Well blew down in 5 minutes. No flow. Swabbed as follows: IFL = surface. FFL = SN. Recovered 88 bbls. Wait 1 hr. between final swab runs. No fluid entry.

After evaluating the Atoka interval and determining it to be non-productive, Bold Energy intends to set a CIBP w/35' cmt at 11600' and complete the following intervals: 9655-58; 10151-55; 10235-39; 10337-40; 10352-56; 10536-40; 10780-83; 10807-09; 10820-22; 10877-79; 10888-90; 10898-900; 10913-15; 11030-34. The field designation for this proposed completion is TOWNSEND; PERMO UPPER PENN 59847. The full procedure along with the current & proposed wellbore diagrams are attached.

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 ☐.

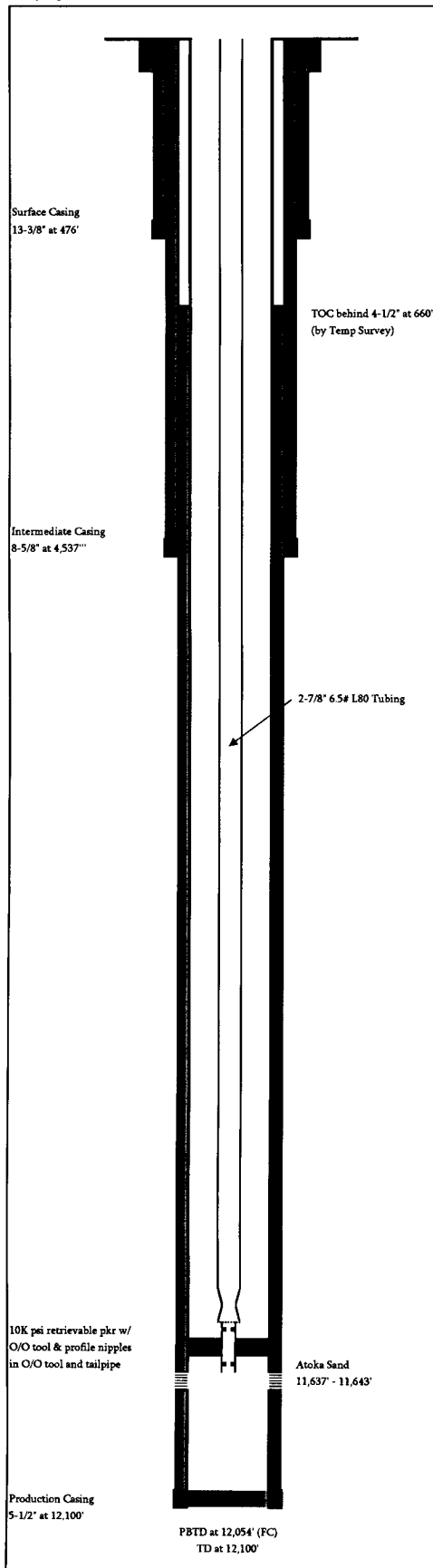
SIGNATURE Shannon L. Klier TITLE Operations Engineering Manager DATE 5/21/07

Type or print name Shannon L. Klier E-mail address: Shannon.klier@boldenergy.com Telephone No. 432/686-1100

For State Use Only

APPROVED BY: Chris Williams TITLE DISTRICT SUPERVISOR/GENERAL MANAGER DATE JUN 06 2007  
Conditions of Approval (if any):

# CURRENT



## BOLD ENERGY, LP

## Ezekiel State #1

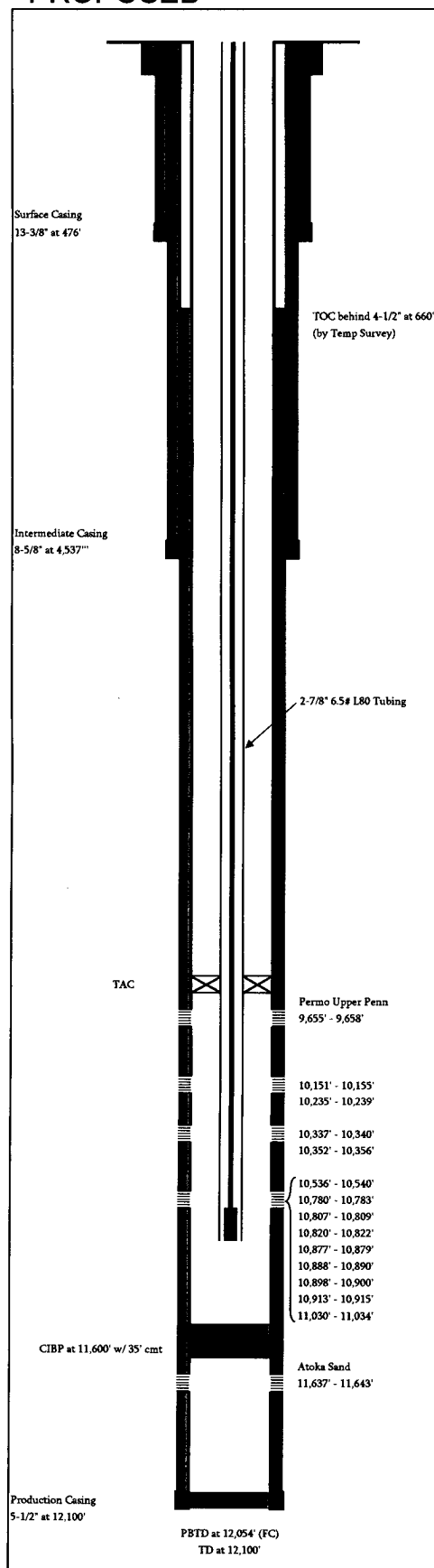
WI: 50.0%  
Elevation: 4,040'  
KR: 18'  
Mesa TD: 12,100'  
TVD: 12,100'  
PBD: 12,054' (FC)  
Zone: Atoka Sand

NRI: 40.625%  
API: 30-025-37919  
Surface Location: 1650' FNL & 980' FWL  
Legal Description: Section 4 - T16S - R35E  
Field: Townsend  
County: Lea  
State: New Mexico

Casing	Hole	Weight	Grade	Top	Bottom	Burst	80% Burst	Sacks	TOC
20"				0'	40'				Surface
13-3/8"	17-1/2"	48#	H-40	0'	476'	1,730	1,384	530	Surface (circ)
8-5/8"	11"	32#	K/J-55	0'	4,537'	3,930	3,144	1,375	Surface (circ)
5-1/2"	7-7/8"	17#	P-110	0'	12,100'	10,640	8,512	1,300	660' (TS)

Date	Event
3/11/2007	Spud
3/25/2007	Set 8-5/8" casing after having spent 3 days fighting red beds and associated hole problems.
4/20/2007	Ran OH logs. Took 10 sidewall cores as follows: 10,707'; 10,783'; 10,784'; 10,809'; 10,821'; 10,899'; 10,964'; 11,301.5'; 11,640'; 11,641'; 11,936.5'
4/23/2007	Release rig.
5/16/2007	Began completion operations.  Bit & scraper run to PBTD (12,052'). Pickle thg & TOOH. 5/17/07: Ran CBL from PBTD to 8,800' w/2,000 psi applied. Test casing to 8,100 psi. Perf'd Atoka 11637' - 11643' w/ 3-3/8" casing guns. 22.7 120o phasing. 0.46" EHD. 5/18/07: WI set pkr at 11620' & TIH w/2-7/8" thg. Pump out plug. Swab tubing down. Acidized with 1000 gal 15% HCL acid. Pressure slowly increasing throughout acid job. LTR = 92.5 bbls. ISIP = 5840 psi. 5 min SIP = 5631 psi. 10 min SIP = 5558 psi. 15 min SIP = 5510 psi. Avg = 6450 psi at 3.0 bpm. Attempted to flow. Recovered 6 bbls in 15 minutes. Well dead. 5/19/07: SITP = 1500 psi. Well blew down in 5 minutes. No flow. Swabbed as follows: IFL = surface. FFL = SN. Recovered 88 bbls. Wait 1 hr. between final swab runs. No fluid entry.
5/21/2007	SITP = 325 psi. IFL = 10,900'. Release pkr and TOOH. Prep to complete Permo Upper Penn.

# PROPOSED



## BOLD ENERGY, LP

## Ezekiel State #1

WL: 50.0%  
Elevation: 4,040'  
KB: 18'  
Mesa TD: 12,100'  
TVD: 12,100'  
PBD: 12,054' (FC)  
Zone: Permo Upper Penn

NRI: 40.625%  
API: 30.025-37919  
Surface Location: 1650' FNL & 980' FWL  
Legal Description: Section 4 - T16S - R35E  
Field: Townsend  
County: Lea  
State: New Mexico

Casing	Hole	Weight	Grade	Top	Bottom	Burst	80% Burst	Sacks	TOC
20"				0'	40'				Surface
13-3/8"	17-1/2"	48#	H-40	0'	476'	1,730	1,384	530	Surface (circ)
8-5/8"	11"	32#	K/J-55	0'	4,537'	3,930	3,144	1,375	Surface (circ)
5-1/2"	7-7/8"	17#	P-110	0'	12,100'	10,640	8,512	1,300	660' (TS)

### Date Event

3/11/2007 Spud  
3/25/2007 Set 8-5/8" casing after having spent 3 days fighting red beds and associated hole problems.  
4/20/2007 Ran OH logs. Took 10 sidewall cores as follows:  
10,707'; 10,783'; 10,784'; 10,809'; 10,821'; 10,899'; 10,964'; 11,301.5'; 11,640'; 11,641'; 11,936.5'  
4/23/2007 Release rig.  
5/16/2007 Began completion operations.  
Bit & scraper run to PBTD (12,052'). Pickle thg & TOOH. Ran CBL from PBTD to 8,800' w/2,000 psi applied. Test casing to 8,100 psi. Perf'd Atoka 11637' - 11643' w/ 3-3/8" casing guns, 22.7 120s phasing, 0.46" EHD. 5/18/07: WL set pkr at 11620' & TIH w/2-7/8" thg. Pump out plug. Swab tubing down. Acidized with 1000 gal 15% HCL acid. Pressure slowly increasing throughout acid job LTR = 92.5 bbls. ISIP = 5840 psi, 5 min SIP = 5631 psi, 10 min SIP = 5558 psi, 15 min SIP = 5510 psi. Pavg = 6450 psi at 3.0 bpm. Attempted to flow. Recovered 6 bbls in 15 minutes. Well dead. 5/19/07: SITP = 1500 psi. Well blew down in 5 minutes. No flow. Swabbed as follows: IFL = surface. FFL = SN. Recovered 88 bbls. Wait 1 hr. between final swab runs. No fluid entry.  
5/21/2007 SITP = 350 psi. IFL = 10,900'. Release pkr and TOOH. Prep to complete Permo Upper Penn.

# BOLD ENERGY, LP

Ezekiel State #1

## Permo Upper Penn Completion Procedure

Sec 4-T16S-R35E, 1650' FNL & 980' FWL

Townsend Field

Lea County, New Mexico

**See Attached Wellbore Schematic**

### Contact Information:

Field Foreman: Joe Thomas 432-208-7868

Engineering: Shannon Klier 432-686-1100 (O)  
432-296-8602 (M)

1. MIRU completion rig and reverse unit.
2. Pump 2% KCL water to put tubing on vacuum. ND WH. NU BOPE.
3. Release packer and circulate out packer fluid using 2% KCL water.
4. TOOH w/ tubing and packer.
5. MIRU WL unit. Set CIBP at 11,600'. Bail 35' cement on CIBP.
6. Perforate as follows using 3-3/8" expendable casing guns loaded with 22.7 gm charges for 0.46" EHD:

PERFORATIONS								ACID TREATMENT		
Permo Upper Penn	Upper Wolfcamp	9,655 - 9,658	2 spf	6 shots	120° phasing	0.46" EHD		11 bbls	20% HCL acid	at 5 BPM
	Lower Wolfcamp	10,151 - 10,155	2 spf	8 shots	120° phasing	0.46" EHD		15 bbls	20% HCL acid	at 6 BPM
		10,235 - 10,239	2 spf	8 shots	120° phasing	0.46" EHD		15 bbls	20% HCL acid	at 6 BPM
	Bough A	10,337 - 10,340	2 spf	6 shots	120° phasing	0.46" EHD		11 bbls	20% HCL acid	at 5 BPM
		10,352 - 10,356	2 spf	8 shots	120° phasing	0.46" EHD		15 bbls	20% HCL acid	at 6 BPM
	Canyon	10,536 - 10,540	2 spf	8 shots	120° phasing	0.46" EHD		15 bbls	20% HCL acid	at 6 BPM
		10,780 - 10,783	2 spf	6 shots	120° phasing	0.46" EHD		11 bbls	20% HCL acid	at 5 BPM
		10,807 - 10,809	2 spf	4 shots	120° phasing	0.46" EHD		8 bbls	20% HCL acid	at 3 BPM
		10,820 - 10,822	2 spf	4 shots	120° phasing	0.46" EHD		8 bbls	20% HCL acid	at 3 BPM
		10,877 - 10,879	2 spf	4 shots	120° phasing	0.46" EHD		8 bbls	20% HCL acid	at 3 BPM
		10,888 - 10,890	2 spf	4 shots	120° phasing	0.46" EHD		8 bbls	20% HCL acid	at 3 BPM
		10,898 - 10,900	2 spf	4 shots	120° phasing	0.46" EHD		8 bbls	20% HCL acid	at 3 BPM
		10,913 - 10,915	2 spf	4 shots	120° phasing	0.46" EHD		8 bbls	20% HCL acid	at 3 BPM
		11,030 - 11,034	2 spf	8 shots	120° phasing	0.46" EHD		15 bbls	20% HCL acid	at 6 BPM

7. POOH and inspect guns to ensure all shots fired.
8. Rig up flowback tank, flowlines and choke manifold.
9. MIRU acid pump and transports containing 167 bbls (7,000 gallons) of 20% HCL acid with 1 gpt corrosion inhibitor, 2 gpt non-ionic surfactant and iron control for 5,000 ppm Fe.

10. Install stripping head and TIH with PPI tool assembly on 2-7/8" tubing with 10' – 15' span between elements (as recommended by Cobra Packers).
11. Set tool at 500' and test in blank pipe to 4,000 psi.
12. With mechanical collar locator, correlate depth to cased-hole log (short joints available).
13. Run tool below bottom shot and test in blank pipe to 4,000 psi.
14. Release tool and circulate in 2,500 gallons of acid to EOT.
15. Set tool to straddle lower most perf set.
16. Hold pre-job safety meeting. RU acid to tubing and pressure test treating lines to 5,000 psi. An acceptable test will have a final bleed off rate less than 50 psi/minute.
17. Perform acid treatments per the schedule above. Do not exceed 5,000 psi.
18. Move tools up hole and repeat per the schedule. Periodically test tools in blank pipe. Reload tubing with acid as required.  
  
**Note:** Keep casing valve open to tank during treatment. If during a treatment communication to the annulus is apparent, shut in the casing valve and continue with treatment as designed.
19. Pump all remaining acid on final stage.
20. Release tools and drop ball to shift open equalizing ports. POOH with PPI tool assembly.
21. Open well to flowback tank and flow until dead.
22. TIH w/ 2-7/8" tubing w/SN to 11,040'.
23. ND BOPE. NU Production Tree. Commence swabbing to determine well deliverability.
24. Once swab test has concluded, RDMO all service equipment.
25. SI well and wait on delivery of production equipment.