

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-HOBBS

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

5. Lease Serial No.

NM021422

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2.

1. Type of Well

☐ Oil Well

☒ Gas Well

☐ Other

2. Name of Operator

Bold Energy, LP

3a. Address

415 W. Wall, Suite 500
Midland, TX 79701

3b. Phone No. (include area code)

432-686-1100

7. If Unit of CA/Agreement, Name and/or No.

91008492C

8. Well Name and No.

Antelope Ridge Unit #4

9. API Well No.

30-025-21037

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

990' FNL & 2310 FEL, Unit B, Sec 4, T24S, R34E

10. Field and Pool or Exploratory Area

Antelope Ridge (Atoka)

11. Country or Parish, State

Lea County, New Mexico

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other Sqz and Perf to
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	complete in Delaware
	<input checked="" type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	Bond #NMB000314

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

10/16/06: Perforated @ 6493'-6498' 20 holes w/ 0.42" EHD shots, hit collar. 10/17/06: Squeezed perms 6493'-6498' w/ 100 sx CI C + 1% D-174 + D-167 + 0.5% D-65 + 0.2% D-46. WOC. 10/18/06: DO cmt, perf'd 5345'-5350' 20 holes w/ 0.42" EHD shots. 10/19/06: Squeezed perms 5345'-5350' w/ 154 sx CI C + 1% D-174 + 0.15% D-167 + 0.5% D-65 + 0.2% D-46. WOC. 10/20/06: DO cmt. Ran Combo CCL & CBL 6700'-5000', TOC @ 6280'. 10/23/06: Perf'd 5265'-5270' 20 holes. Squeezed perms w/ 200 sx CI C w/ 1% D-174 + 0.15% D-167 + 0.5% D-65 + 0.2% D-46. WOC. 10/24/06: DO cmt. Tested casing to 625# for 10 minutes, tested good. Ran CBL 5500'-4500', TOC @ 4555'.

10/25/06: Set CIBP @ 6450'. Perforated the Delaware w/ 6 SPF, 120 degree phasing, 0.42" EHD shots as follows: 5200'-5212' (72 holes), 5230'-5240' (60 holes), 5290'-5305' (90 holes), 5599'-5606' (42 holes), 5612'-5618' (36 holes), 5680'-5720' (240 holes), 5728'-5740' (72 holes), 5795'-5811' (96 holes), 6038'-6062' (144 holes), 6106'-6126' (120 holes), 6152'-6164' (72 holes), 6232'-6254' (132 holes), and 6280'-6296' (96 holes).

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)

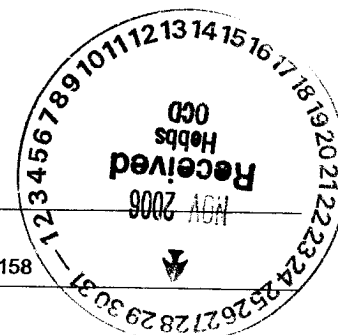
Denise Menoud

Title Agent for Bold Energy, LP; (432) 685-9158

Signature

Denise Menoud

Date 10/26/2006



THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Chris Williams

OC DISTRICT SUPERVISOR/GENERAL MANAGER

Title

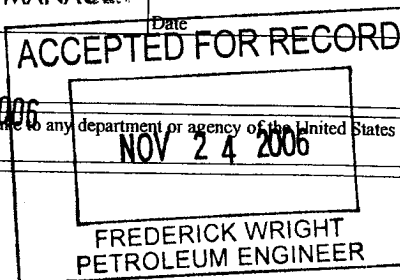
Office

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)



Surface Casing
11-3/4" set at 815'

CURRENT 10-25-06

TOC at 3,800' (calc.)

SQZ: 5,265' - 5,270' w/ 200 sx CMT (10/23/06)
SQZ: 5,345' - 5,350' w/ 154 sx CMT (10/19/06)
TOC 4,555' (CBL)
BOC at 5,650' (CBL)

SQZ: 5,848' - 5,878' w/ 100 sx CMT (9/94)
TOC 5,685' (CBL)
BOC at 5,870' (CBL)

SQZ: 6,493' - 6,498' w/ 100 sx CMT (10/17/06)
TOC 6,280' (CBL)
BOC at 6,550' (CBL)

TOC at 9,135' (CBL)

CIBP at 11,290' w/38 ft CMT

3-1/2" TTW "L" liner Packer at 11,296'
TTW 3-1/4" ID PBR at 11,305' w/ Baker 2.313"
"F" nipple at 11,323'

Whipstock plug at 11,646'

CICR at 11,714'

Production Casing
5-1/2" set at 12,005'

Fish consists of:
4-11/16" Pilot Mill w/ 9 3-1/2" DC's
Lost slotted liner at 12,027'
TOF at 11,753'
TOL at 12,027'

4-3/4" OH TD 12,375'

Sidetrack new hole at 11,646'. Sq'd
old hole w/ 250 sx CMT.

Atoka Perforations
"A" - 12,160' - 12,186'

"B" - 12,266' - 12,337'

"C" - 12,372' - 12,450'

"D" - 12,501' - 12,510'

"E" - 12,622' - 12,636'

Fish: 1-11/16" rope socket + 1-11/16"
10' x 2" DB sections with end cap
TOF - 12,659' BOF - 12,700'

Morrow Perforations
12,759' - 13,208' (22 holes)

CIBP at 12,740'
w/ 40' CMT

Production Liner
3-1/2" set at 13,310'

PBTD at 13,255'

TD at 13,320'

BOLD ENERGY, LP

ARU #4

WL: 50.0%
Elevation: 3,550'
KB: 13'
Meas. TD: 13,320'
TVD: 13,320'
PBD: 13,255' (FC)
Zone: Atoka

NRI: 42.5%
API: 30-025-21037
Surface Location: 990' FNL & 2310' FEL
Legal Description: Section 4 - T24S - R34E
Field: Antelope Ridge
County: Lea County
State: New Mexico

Casing	Hole	Weight	Grade	Top	Bottom	Burst	80% Burst	TOC
Conductor								
11-3/4"	15"	42#	H-40/J-55	0'	815'	1,980	1584	Surface (circ)
8-5/8"	11"	32#	J-55	0'	5,167'	3,930	3144	3,800' (calc)
5-1/2"	7-7/8"	17#	N-80/J-55	0'	12,005'	5,320	4256	9,135' (CBL)
3-1/2"	4-3/4"	9.3#	N-80	11,296'	13,320'	10,160	8128	11,296' (circ)

Date	Event
12/8/1964	Spud
2/4/1965	Original completion in Atoka OH from 12,005' - 12,375'. CAOF = 30 MMscf/d Four point test results Time (hrs) Choke Rate (mcf/d) Cond (bbls) GLR FTP 2 10/64 4,516 8.8 42,873 4,155 2 13/64 5,539 11.7 39,521 4,090 2 16/64 6,781 15 37,591 3,974 2 19/64 9,568 22.5 35,004 3,717
3/8/1966	BHP bombs: Survey showed 5,162 psi at 12,250'. Corrected to 5,115 psi at 11,826'
9/5/1968	Letter from Shell to NMOC reporting 1,300 bwpd and 1,000 Mscf/d
10/1/1972	Deepen to Morrow. SITP 2,200 psi. Killed with 10# brine. POOH with LSA. Try to fish 4' slotted liner. Could not pull liner. Left fish in hole + 1-11/16" KR pilot mill and 9 3-1/2" DC's. TOF at 11,753'. Sqz from 11,714' - 12,375'. Set whipstock and sidetracked original hole at 11,646' with 4-3/4" bit. Set 3-1/2" casing at 13,320' with TOL at 11,296'. RDH with 2-7/8" thg and perf with 2" tubing guns: Morrow: 12,759; 12,762; 12,763; 12,780; 12,781; 12,789; 12,790; 12,792; 12,958; 12,961; 12,964; 12,967; 12,970; 12,972; 12,975; 12,977; 13,023; 13,025; 13,182; 13,184; 13,206; 13,208' (22 holes) 16 hour SITP = 6,600 psi. Flowed 24 hours at 750 psi - 637 Mscf/d. Acidized Morrow with 2K gal 20% HCL w/ nitrogen. 2/1/1973 Flowing Morrow at 600 psi at 12 bopd, 0 bwpd and 750 Mscf/d. Frac'd Morrow with 10K gal 50# linear gel pad and 15K gal 1.0 ppa slurry with 20/40 sand + 1K gal 15% HCL acid w/10 BS - then repeated. All fluid contained 300 scf/bbl N2. Averaged 8.3 bpm at 7,700 psi. ISIP = 5,700 psi 15 min SIP = 5,000 psi. 4/1/1973 Flowing Morrow at 600 psi at 4 bopd, 8 bwpd and 765 Mscf/d after frac. 3/1/1977 Flowing Morrow at 267 Mscf/d, 4 bopd, 1 bwpd. Ran PBU test. BHP = 4,561 psi. Tagged w/ WL at 13,191'. Skin damage reported in PBU analysis. 10/1/1991 FTP = 200 psi. Swabbed 4 runs and recovered 6-10 bbls black water.
8/1/1994	Plug back from Morrow to Atoka. Set CIBP over Morrow. Left WL fish in hole. Located hole in casing at 5,848' - 5,878' and squeezed off. Perforated the Atoka as follows with 2" tubing guns, 4 spf, 60 deg phasing, 389 holes total "C" 12,372' - 12,382'; 12,401' - 12,403'; 12,408' - 12,414'; 12,417' - 12,423'; 12,426' - 12,434'; 12,442' - 12,450' "D" 12,501' - 12,510'; 12,514' - 12,516'; 12,552' - 12,566'; 12,576' - 12,584'; 12,591' - 12,601' "E" 12,622' - 12,627'; 12,630' - 12,636' Noted slight blow on tubing after perforating 12,552' - 12,584'. Overnight SITP = 1,190 psi. Flowed well 7.5 hrs. Recovered fluid for first two hours with FTP 300 to 600 psi. 9/24/1994 SI waiting on compressor. SITP from 9/24 to 9/30 - 1,700 psi to 3,850 psi. 10/13/1994 Begin gas lift. Ran flowing gradient survey showing BHFP at 12,513' is 896 psi - flow coming from bottom GLV at 11,297' RIH w/ CT. Spotted 10 bbls 7-1/2% MSR to bum perfor. Pumped 0.3 bpm at 4,400 psi. ISIP = 3,850 psi. 15 min SIP = 805 psi. Pull above perfs and pump 18 bbls 7-1/2% MSR. Displace acid while reciprocating CT. Reverse out. 12/3/1994 Well flowing on gas lift. No net gas production after 3 days. 12/17/1994 Perforated Atoka "B" 12,316' - 12,337' w/ 2" tubing guns. Well went from vacuum to slight blow in 10 minutes. Started gas lift. Fluid to surface in 1 hour. Flowing 6 hours with 25 bw, 570 Mscf. From 12/18/94 to 1/6/95 gas increased from 0 to 131 Mscf/d and from 0 to 158 bwpd. 1/8/1995 SITP = 250 psi, SICP = 1,240 psi. Perforate Atoka "A" 12,160' - 12,162'; 12,168' - 12,176'; 12,181'; 12,186'; 12,266' - 12,270'; 12,272' - 12,274'; 12,281' - 12,284'; 12,286' - 12,289'; 12,291' - 12,303' 2" tubing guns, 2 spf w/180 deg phasing. Tubing pressure increased to 500 psi after 2nd run. FL at 2,450'. TP increased to 600 psi after 3rd run. Final SITP = 650 psi. CP = 1,240 psi. From 1/10/95 to 1/22/95 rate increased from 119 to 157 Mscf/d and decreased from 120 to 105 bwpd. 3/1/1995 BHP = 5,518 psi from 72 hour BHP buildup. 9/11/1996 Spotted 60 bbls of 15% MSR 100. Acidized Atoka perfs. Formation broke at 4,960 psi at 2.5 bpm. Max pressure = 6,150 psi at 8.0 bpm. ISIP = 1,000 psi. 15 min SIP = 160 psi. 9/12/1996 SITP = 675 psi. Swabbed - SFL 500' FFL 2,000'. Well kicked off after 4 runs. 16/64" CK at 775 psi. SI for evaluation. 14 hour SITP = 1,200 psi. 9/15/1996 TA'd well with CIBP over Atoka. 4/11/2002 Casing integrity test performed and witnessed by BLM.
3/1/2006	Re-establish Atoka production: Cut over and retrieved CIBP. Polished PBR at 11,296'. Ran GYRO survey showing BHL at 12,659' is 154.7' at 102.7 degrees. Ran seal assembly on 3-1/2" work string. Shut in well. 3/21/2006 4 day SITP = 1,250 psi. Frac'd Atoka (12,160' - 12,636') with 1,930 bbls Slickwater & 11,981 lbs 20/40 CarboProp at a pump rate of 22 - 30 bpm and 7,883 to 8,530 psi. ISIP = 3,650 psi. Opened to test tank on 32/64" CK. First 14 hours of flowback recovered 505 bw with FTP of 240 psi on 34/64" CK. Recovered over 100% of frac load by second day of flowback. 3/24/2006 MIRU test separator and continue flowback. 275 psi on 32/64" CK 130 Mscf/d and 840 bwpd 3/25/2006 245 psi on 28/64" CK 121 Mscf/d and 1,017 bwpd 3/26/2006 220 psi on 28/64" CK 93 Mscf/d and 884 bwpd 3/27/2006 200 psi on 28/64" CK 103 Mscf/d and 1,086 bwpd 3/28/2006 Final reading 200 psi on 28/64" CK 103 Mscf/d and 1,008 bwpd Ran SLB production log. Set down at 12,322'. Log showing all flow coming from below 12,322' (no spinner data) 3/29/2006 Ran impression block - sand impression. Made 1' in 3 bailer runs. SI and let build over night. 3/30/2006 Open to test tank and flow well overnight. 3/31/2006 Ran in with bailer. No progress in 6 bailer runs. SI well. 4/3/2006 SITP = 2,750 psi. Flowed well to test tank. Pull 3-1/2" work string. Set 5-1/2" CBP at 11,290' w/38' CMT. 8/19/2006 Ran CBL to identify cement tops in 5-1/2" casing string. 10/17/2006 Performed squeeze work to isolate above and below Delaware formation.