

# OCD-HOBBS

Form 3160-5  
(April 2004)

## UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

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.

#### SUBMIT IN TRIPLICATE- Other instructions on reverse side.

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

2. Name of Operator **BOLD ENERGY, LP**

3a. Address  
**415 W. Wall, Suite 500 Midland, Texas 79701**

3b. Phone No. (include area code)  
**432-686-1100**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
**1980' FNL & 1980' FEL, Sec 3 - T24S - R34E**

5. Lease Serial No.  
**NM 0327106**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
**891008492 NM 68289C**

8. Well Name and No.  
**Antelope Ridge Unit #6**

9. API Well No.  
**30-025-26291**

10. Field and Pool, or Exploratory Area  
**Antelope Ridge Morrow**

11. County or Parish, State  
**Lea County, New Mexico**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

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 recompleat 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 shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

The subject well has been non-productive for over 12 months and is currently on the OCD's Inactive Well List. Bold Energy request approval to temporarily abandon this wellbore to allow time for further evaluation of potential up hole reserves.

If approval is granted, the following procedure is expected to be implemented by April 9th, 2007.

Current and planned wellbore diagrams attached. Notify BLM 24 hours prior to commencing operations. Clear location, install testing anchors as required. All fluids used will be contained in steel pits or test tank. Avoid any spills. Immediately report all spills to Donny Money at 432-661-8803. MIRU service rig and steel pit. Bleed pressure off tubing and annulus. Use fresh water as necessary for well control. Check for pressure on all casing strings. Bleed pressure to containment and check for flow. Report any fluid recovery. ND tree. NU BOP. Release packer and POOH laying down 2-7/8" tubing. MIRU WL unit. Set CIBP at 12,925'. Bail 35' of cement on CIBP. WL set RBP at 12,350'. MIRU pump truck w/chart recorder with a maximum 2-hour clock and maximum 1000 lb spring. Notify BLM of scheduled mechanical integrity test and coordinate to have test witnessed. Open all casing valves. Load casing w/ fresh water and pressure test to 500 psi. An acceptable test will have no more than 10% pressure drop in 30 minutes. Send chart record signed by BLM representative to Bold Energy in Midland, attention Shannon Klier. Release casing pressure. ND BOP. NU tree. Release all equipment.

*Approved for MIT, subsequent sundry to request T.R.*

14. I hereby certify that the foregoing is true and correct  
Name (Printed/Typed)

**Shannon L. Klier**

Title **Operations Engineering Manager**

Signature

*[Signature]*

Date **3/14/07**

#### THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

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

Office

**APPROVED**

Date **MAR 22 2007**

**WESLEY W. INGRAM**

**PETROLEUM ENGINEER**

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 Federal department or agency in the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

**GW**

## CURRENT

## BOLD ENERGY, LP

## Antelope Ridge Unit #6

WE: 50.0%  
 Elevation: 3,499  
 KR: 26  
 Mass. TD: 13,758'  
 TVD: 13,758'  
 PBD: 13,130'  
 Zone: Morrow

NRE: 42.5%  
 APE: 30-025-26291  
 Surface Location: 1980° FNL & 1980° FEL  
 Legal Description: Section 3 - T24S - R34E  
 Field: Antelope Ridge  
 County: Lea County  
 State: New Mexico

Casing	Hole	Weight	Grade	Depth	Burst	80% Burst	TOC
Conductor - 16"	(no record of conductor casing in well file)	65s	H-40	450'	1,640	1,312	Surface (circ.)
10-3/4"	14-3/4"	40.5s	K-55	2,700'	3,130	2,504	Surface (circ.)
10-3/4"	14-3/4"	40.5s	S-80	3,800'	4,560	3,648	Surface (circ.)
10-3/4"	14-3/4"	45.5s	S-80	5,180'	5,210	4,168	Surface (circ.)
7-5/8"	9-1/2"	33.7s	P-110	11,900'	10,860	8,688	8,000'
5-1/2"	6-1/2"	23s	N-80	13,665'	10,560	8,448	11,600'

Date	Event
3/14/1979	Spud
8/17/1979	TD at 13,758'
9/19/1979	<p>RIH set pkr at 13,100' Perforated gross Morrow w. 2" OD thru thg. guns and no breakdown</p> <p>Morrow "C": 13,216', -217', -218', -233', -234', -235', -316', -317' (8 shots)</p> <p>Morrow "D": 13,382', -383', -406', -407', -409', -410', -414', -415', -416', -634', -635', -643' (12 shots)</p> <p>Pressure came up to 2,100 psi after perforation. Open to pit on 32.64" choke</p> <p>SITP = 5,160 psi (translates to 6,838 psi assuming gas gradient.) No stimulation reported</p> <p>Tested at 5,500 MCFD thru 48.64" choke, FTP 750 psi (Did not perf Morrow "A" 12,960' - 12,976')</p> <p>CACOF = 7,000 MCFD</p>
10/2/1979	<p>RIH w/ spinner. Determine that 90% gas from 13,406' - 13,416', and 10% gas from 13,316' - 13,320'</p> <p>RIH set Lok-Set pkr at 12,014' to dual Morrow &amp; Atoka</p> <p>Perforated Atoka w. 2" OD de-centralized guns.</p> <p>Atoka "C": 12,401', -402', -417', -418', -419', -490', -491', -495', -496', -497' (10 shots)</p> <p>Atoka "D": 12,508', -509', -510', -512', -514', -516', -518', -564', -565', -566', -610', -611', -612' (13 shots)</p> <p>Atoka "E": 12,640', -642', -646', -647', -652', -654', -687', -688', -689' (9 shots)</p> <p>Atoka "F": 12,772', -774', -776', -778', -779', -792', -793', -794', -796', -798', -799', -801', -802' (13 shots)</p> <p>Overall Atoka = 51 shots over 401 ft gross interval.</p> <p>Pressure came up to 4,500 psi after perforation. Open well to pit, bled to 50 psi and 25 BW</p> <p>Tested at 500 MCFD at 100 psi FTP, 32.64" choke.</p>
11/2/1979	<p>Acidized w/ 10,000 gal 15% MSR and N2 at 3.5 BPM Tested at 1,800 MCFD at 300 psi FTP.</p> <p>46/64" choke with 130 BCPD and 60 BWPD</p> <p>RIH spinner determine majority of gas from 12,417' - 12,419'</p>
12/14/1979	<p>Ran dual string completion with blast jets across Atoka (Atoka initial BHP = 7,683 psi)</p> <p>Left Morrow SI and produced Atoka with initial rate of 1,100 MCFD at 700 psi FTP</p> <p>Lost wireline tool strings resulting in Atoka production problems.</p> <p>Performed PBU analysis indicated positive skin of 46 determined by Shell</p>
8/4/1980	<p>Begin WO to open Morrow to production</p> <p>SS in LT collapsed and failed. Killed well with 14.5s CaBr2. POOH with LT</p> <p>RIH LT and dual pkr. Dual pkr leaking</p>
9/18/1980	<p>Flwd Morrow at 5,000 MCFD, 150 BCPD, 10 BWPD. CP dropped from 2,100 psi to 1,500 psi</p> <p>Killed well with 12.4s CaBr2 water. POOH with LT and dual pkr.</p>
10/6/1980	Finished WO efforts to dual Morrow and Atoka
12/7/1988	Morrow died. RU swab unit. IFL at 2,900' well KO after 2 swab runs
2/21/1990	<p>Begin WO to remove dual string and place well on PLGR lift</p> <p>Sand line parted while swabbing to recover fluid. Started fishing operations</p> <p>RIH pkr set at 12,885' (below Atoka perf) Swabbed Morrow recovered fluid.</p> <p>RIH pkr set at 13,354' (below Morrow "C") Swabbed Morrow "D"</p> <p>Recovered fluid from Morrow "D" with a gas blow. (Morrow "D" drowned by CaBr2 water)</p>
6/19/1990	<p>Straddled Morrow from 13,406' - 416'. Acidized with 1,000 gal Acetic. Swabbed w/ gas shows.</p> <p>RU HES frac Morrow "D" (13,406' - 416') with HB Alcofoam; 37,100 lbs 20.40 Norton ISP</p> <p>Well cleaned up to 100 MCFD, 105 psi FTP</p>
7/21/1990	<p>Ran BHP survey, FTP = 190 psi, BHP = 1,820 psi mid perf, 0.306 psi ft gradient</p> <p>Morrow put on production with Atoka behind pkr</p> <p>By July 1993 well cum'd 2.50 BCF, 34.3 MBO, and 62.2 MBW</p> <p>DCA EUR = 5.0 BCF, PZ EUR = 5.0 BCF, AOI = 438 acres from 11' of primary pay. RF=50%</p>
7/23/1993	POOH w/ thg and pkr. RIH w/ CIBP set at 13,150'. Left multiple W/L fish on top of CIBP
8/25/1993	<p>RIH w/ tool suite (temp, press, gradiometer, and diverter flowmeter). FL=1-3,500'</p> <p>SIBHP = 5,840 psi. Open to tank on 13/64". Gas from 12,400'-518" No flow below 12,518"</p>
9.1.1993	<p>RIH CIBP set at 12,545' w/ 1 sk cmt over Atoka "E" &amp; "F", new PBTD= 12,535'</p> <p>ND BOP, NU tree, Swab Upper Atoka recovering fluid and small volume of gas</p> <p>Produced Atoka "C" and "D" lobes until June 94</p>
6/21/1994	<p>POOH w/ thg. DO CIBP at 12,545'</p> <p>Pkr set at 12,298 RIH w/ thg and GLV's. Place Atoka on GL recovering 150 BW/200 net MCFD</p>
8/9/1994	<p>RU Basin Acidizing. Acidize Atoka w/ 4,000 gal of 15% HCL at 5 BPM.</p> <p>Return well to GL initially recovering 400 MCFD and 350 BWPD</p> <p>Atoka production negligible as of 4.9% due to GLV open near surface cycling gas only.</p>
5/1997	POOH thg, repaired GLV's. Atoka returned to production at 304 MCFD
10/20/2004	Citation submits proposal to recomplete Atoka and Morrow
1/2005	<p>Commence operations w/ PU. Atoka producing +/- 10 MCFD</p> <p>POOH w/ thg and GLV's, thg parted with top of fish at 7,740'. 35 day fishing job</p> <p>Sq'd csg leaks from 6,544'-6,577' Spent 20 more days fishing</p> <p>Pushed all lost tools in hole to 13,070', sq'd Atoka "G" from 12,862'-12,865'</p> <p>Ran TCP guns and perforated:</p> <p>Morrow "A" and "B" perfs from 12,945'-13,055', 45 shots OA</p> <p>Swab Morrow "A" and "B" perfs, fluid entry scattered and less than 10 BWPD</p>
4.6/2005	<p>Surface build-up to 520 psi after 791 hrs, opened well to tank, pressure bled to 0 in 12 minutes</p> <p>Left well open to tank, started flowing +/- 3 MCFD</p>
6.9/2005	<p>RU swab unit, recovered 34 BW w/ IFL = 6,300' and FFL = 11,500' RD swab unit</p> <p>Flwg well to tank at 3 MCFD at 30 psi FTP</p>
6/16/2005	RU CTU and treated Morrow perfs w/ 2,500 gal of ClaySafe and 16 tons of CO2
6/28/2005	Making 6 MCFD and 0 BWPD. Dropped from report. Well making no gas.

Surface Casing  
16" set at 450'

DV tool at 793'

TOC at 3,550' (Calc w/ 75% NS)

Intermediate Casing  
10-3/4" set at 5,167'

TOC at 7,000' (Calc w/ 50% NS)

## Fish Detail:

(Top to Bottom)  
 Fish on Pkr Fish, WL tool string  
 1-1/2" Rope Soc, 1-1/2" KL  
 1-1/2" Wt. Bar, 1-1/2" Hyd Jars  
 1-1/2" KJ, 1-1/2" Spang Jars,  
 1-1/2" KJ, 2.175" OS Total Length-  
 19.1'  
 2.20" GR w/ 1-3/4" fishneck,  
 2-7/8" slip seg (7"x3"x7/8")  
 1-1/2"x8" GLV gas chamber  
 Pkr fish in hole-Arrow 1-X w/12" TP  
 2.188" RN Prof Nip  
 Fish on CIBP at 13,150'-1-1/2" RS,  
 1-1/2" Wt. Bar, 1-1/2" KJ, 1-1/2" Tube Jars,  
 and 1-3/4" OS. Length=10.75'  
 and, (2) 1-1/2"x3" pig tail cutter bars

Production Casing  
7-5/8" set at 11,990'

Top of 5-1/2" Liner at 11,776'

2-7/8" w/ pkr set at 12,917'  
No tubing grade and wt available

Atoka Perfs ("C", "D", "E", "F")  
12,401' - 12,802' (51 holes)

Atoka Perfs ("G")  
12,862' - 12,865' (sq'd)

Morrow Perfs ("A", "B")  
12,945' - 13,055' (45 holes)

CIBP at 13,150' w/ 20x (20) cmt

Morrow Perfs ("C", "D")  
13,216' - 13,416' (17 holes)

CIBP at 13,536' w/ 14' sand

Morrow ("D")  
13,634' - 13,643' (3 shots)

FB-1 pkr mandrel pushed to 13,758'  
 Millout Ext and Tailpipe dropped  
 off of FB-1 pkr (8'80")  
 PBTD 13,130'  
 TD 13,758'

Production Liner  
5-1/2" set at 13,758'

Fish - see table above  
pushed to 13,070'

# PROPOSED

## BOLD ENERGY, LP

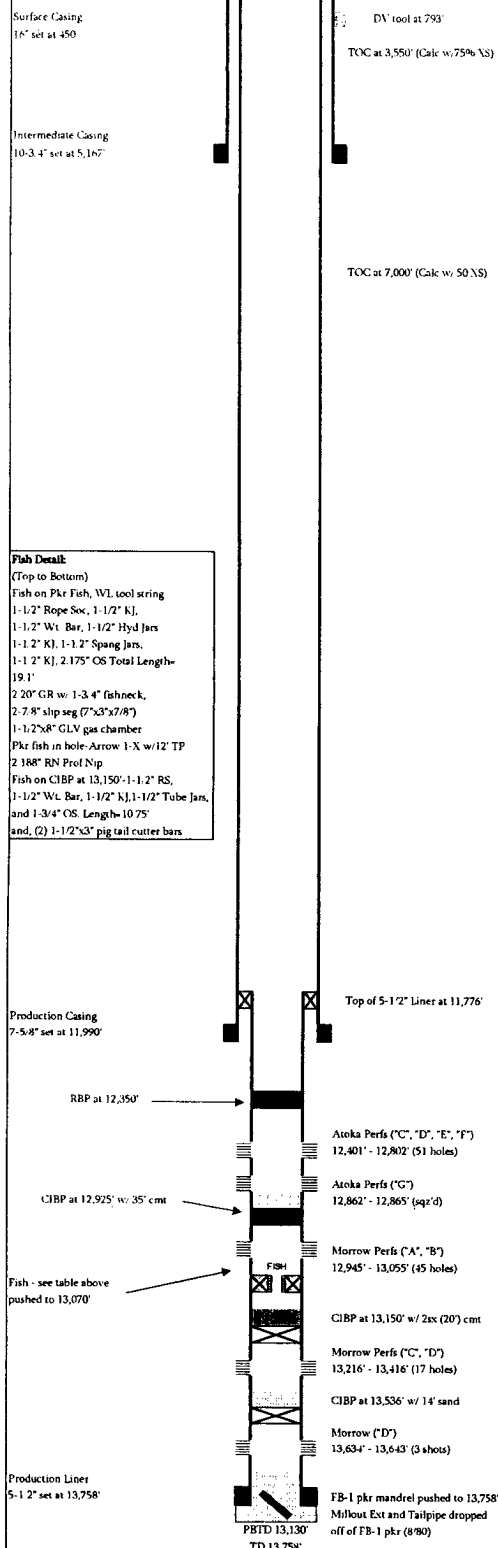
## Antelope Ridge Unit #6

WE: 50.0%  
Elevation: 3,499  
KR: 26'  
Mns. TD: 13,758'  
TVD: 13,758'  
PBD: 13,130'  
Zone: Morrow

NRL: 42.5%  
APE: 30-025-26291  
Surface Location: 1980' ENL & 1980' FEL  
Legal Description: Section 3 - T24S - R34E  
Field: Antelope Ridge  
County: Lea County  
State: New Mexico

Casing	Hole	Weight	Grade	Depth	Burst	80% Burst	TOC
Conductor - 16"	(no record of conductor casing in well file)						
10-3/4"	14-3/4"	40.5#	K-55	2,700'	3,130	2,504	Surface (circ.)
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2/21/1990	Begin WO to remove dual string and place well on PLGR lift Sand line parted while swabbing to recover fluid. Started fishing operations RIH pkr set at 12,885' (below Atoka perf) Swabbed Morrow recovered fluid, RIH pkr set at 13,354' (below Morrow "C") Swabbed Morrow "D" Recovered fluid from Morrow "D" with a gas blow. (Morrow "D" drowned by CaBr2 water) Straddled Morrow from 13,406' - 416'. Acidized with 1,000 gal Acetic. Swabbed w/ gas shows. RU HES frac Morrow "D" (13,406' - 416') with HB Alcolac, 37,100 lbs 20.40 Norton ISP Well cleaned up to 100 MCFD, 105 psi FTP
6/19/1990	Recovered fluid from Morrow "D" with a gas blow. (Morrow "D" drowned by CaBr2 water) Straddled Morrow from 13,406' - 416'. Acidized with 1,000 gal Acetic. Swabbed w/ gas shows. RU HES frac Morrow "D" (13,406' - 416') with HB Alcolac, 37,100 lbs 20.40 Norton ISP Well cleaned up to 100 MCFD, 105 psi FTP
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6/21/1994	POOH w/ tbg. DO CIBP at 12,545' Pkr set at 12,298 RIH w/ tbg and GLV's. Place Atoka on GL recovering 150 BW-200 net MCFD RU Basin Acidizing. Acidize Atoka w/ 4,000 gal of 15% HCL at 5 BPM. Return well to GL initially recovering 400 MCFD and 350 BWPD Atoka production negligible as of 4% due to GLV open near surface cycling gas only.
5/1997	POOH tbg, repaired GLV's. Atoka returned to production at 304 MCFD
10/20/2004	Citation submits proposal to recomplete Atoka and Morrow
1/2005	Commence operations w/ PU. Atoka producing +/- 10 MCFD POOH w/ tbg and GLV's, tbg parted with top of fish at 7,740'. 35 day fishing job Sq'd cag leaks from 6,544'-6,577'. Spent 20 more days fishing Pushed all lost tools in hole to 13,070', sq'd Atoka "G" from 12,862'-12,865' Ran TCP guns and perforated: Morrow "A" and "B" perfs from 12,945'-13,055'; 45 shots OA Swab Morrow "A" and "B" perfs, fluid entry scattered and less than 10 BWPD Surface build-up to 520 psi after 791 hrs, opened well to tank, pressure bled to 0 in 12 minutes Left well open to tank, started flowing +/- 3 MCFD RU swab unit, recovered 34 BW w/ IFL = 6,300' and FFL = 11,500' RD swab unit Flwg well to tank at 3 MCFD at 30 psi FTP RU CTU and treated Morrow perfs w/ 2,500 gal of ClaySafe and 16 tons of CO2 Making 6 MCFD and 0 BWPD. 6/28/2005 Dropped from report. Well making no gas.



**Fish Detail:**  
(Top to Bottom)  
Fish on Pkr Fish, WL tool string  
1-1/2" Rope Soc, 1-1/2" KJ,  
1-1/2" Wt Bar, 1-1/2" Hyd Jar  
1-1/2" KJ, 1-1/2" Spang Jar,  
1-1/2" KJ, 2.175' OS Total Length-  
19.1'  
2-20" GR w/ 1-3/4" fishneck,  
2-7.8' slip seg (7"x5"x7/8")  
1-1/2"x8" GLV gas chamber  
Pkr fish in hole-Arrow 1-X w/12" TP  
2 188" RN Prof Nip  
Fish on CIBP at 13,150'-1-1/2" RS,  
1-1/2" Wt Bar, 1-1/2" KJ, 1-1/2" Tube Jar,  
and 1-3/4" OS. Length-10.75'  
and, (2) 1-1/2"x3" pig tail cutter bars

**BUREAU OF LAND MANAGEMENT**  
**Carlsbad Field Office**  
**620 East Greene Street**  
**Carlsbad, New Mexico 88220**  
**505-234-5972**

**Temporary Abandonment of Wells on Federal Lands**  
**Conditions of Approval**

A temporarily abandoned well is defined as a completion that is not capable of production in paying quantities but which may have value as a service well. Pursuant to 43 CFR 3162.3-4 (c), no well may be temporarily abandoned for more than 30 days without the prior approval of the authorized officer.

Temporary Abandonment (TA) status approval requires a successful mechanical or casing integrity test as follows:

1. A Notice of Intent (NOI) Sundry Notice (Form 3160-5) requesting approval to run a mechanical integrity test (MIT) or casing integrity test (CIT).
2. A description of the temporary abandonment procedure.
  - a. A bridge plug or packer must be installed as close to 50 feet above any open perforations or open hole as possible. If a cement plug is used, the top of the cement must be verified by tagging.
  - b. The wellbore must be filled with corrosion inhibited fluid and pressure tested to 500 psi. The casing shall be capable of holding this pressure for at least 30 minutes with a 10% allowable leakoff.
  - c. All downhole production/injection equipment (tubing, rods, etc.) shall be removed from the casing if they are not isolated by a packer.
  - d. A bradenhead test must be conducted. If the test indicates a problem exists, a remedial plan and time frame for remediation shall be submitted within ninety (90) days of the test.
  - e. Contact the appropriate BLM office at least 24 hours prior to the scheduled Casing Integrity Test. For wells in Eddy County, 505-361-2822; Lea County 505-393-3612.
3. Provides justification why the well should be temporarily abandoned rather than permanently plugged and abandoned and an estimated date that the well will be returned to beneficial use or plugged and abandoned.

Wells that successfully pass the casing integrity test will be approved for Temporary Abandonment (TA) status for a 12 month period provided that the operator:

1. Submits a subsequent Sundry Notice (Form 3160-5) requesting TA approval.
2. Describes the temporary abandonment procedure.
3. Attaches a clear copy or the original of the pressure test chart.

The TA status could be extended for an additional 12 month period without another casing integrity test provided there was no leak-off during the test and the test was witnessed by a BLM representative. The operator must submit a sundry notice requesting an extension of TA status 30 days prior to expiration of the previous approval and appropriate justification for extending the TA status is included.

If the well does not pass the casing integrity test, then the operator shall within 30 days submit to BLM for approval one of the following:

1. A procedure to repair the casing so that a TA approval can be granted.
2. A procedure to plug and abandon the well.