

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.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

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

2. Name of Operator **C W Trainer**

#3474

3a. Address
P. O. Box 3788, Midland, TX 79702

3b. Phone No. (include area code)
432-687-2505

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

1980' FNL, 660' FWL E- Sec 28, T23S, R33E

5. Lease Serial No.

NMNM 491486 94186

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Thistle Unit 2

9. API Well No.

30-025-33424

10. Field and Pool, or Exploratory Area

Bone Spring

11. County or Parish, State

Lea

NM

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 checked="" type="checkbox"/> Plug and Abandon	<input 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 recompletable 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 recompletable 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.)

1. POOH w/2-3/8" production tubing and packer
2. Set CIBP at 11524' and dump bail 35' cement on top to abandon Bone Spring perfs at 11,554' - 11,569'.
3. Circulate hole with 9# mud.
4. Spot a 150' balanced cement plug from 9000' to 9150'. WOC and tag.
5. Cut 7" casing at +/- 7200' and POOH.
6. Spot 150' balanced cement plug from 7125' to 7275'. WOC and tag.
7. Spot 100' balanced cement plug from 4961' to 5601' to cover the 9-5/8" casing shoe at 5011'. WOC and tag.
8. Spot 100' balanced cement plug from 2900' - 3000'.
9. Spot a 100' balanced cement plug from 555' to 655' to cover the 13-3/8" casing shoe at 605'. WOC and tag.
10. Spot a 60' cement plug at surface. WOC.
11. Cut off casing at 3' below ground level.
12. Install dry hole marker.
13. Clean and restore location.

Note: Cement Class "C" at 14.8 ppg with a yield of 1.32 cu. ft./sk.

**SEE ATTACHED FOR
CONDITIONS OF APPROVAL**

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

Sheryl L. Jonas

Title Agent

Signature

Date

10/04/2007

APPROVED

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

MAR 03 2008

OC DISTRICT SUPERVISOR/GENERAL MANAGER

Date

NOV 9 2007

Date

**WESLEY W. INGRAM
PETROLEUM ENGINEER**

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 USC Section 1001 and Title 43 USC 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)

C W TRAINER

Well Name: Thistle Unit #2

Field: Johnson Ranch

Location: Sec. 28, T23S, R33E, 1980' FNL, 660' FWL

County: Lea

State: NM

Elevation: K.B.- 3711', D.F.- 3710', G.L.- 3686'

Spud Date: 5/27/1996

Compl Date: 10/29/1996

API#: 30-025-33424 Prepared by:

Date: 03/09/05

Rev.

CURRENT

17-1/2" hole

13-3/8", 48# H-40 csg @ 605'

Cm'd w 600 sx d C
circ'd

12-1/4" hole

9-5/8" 40# S-95/J-55 csg @ 5011'

Cm'd w 1500 sx POZ & d C
circ'd

TOC @ 7350' (Temp Survey)

3rd Bone Spring perfs (3/16/05)

11554' - 11569' 3 SPF, 120" phasing

3/19/05: acidized w/3000 gals 15% HCl

TOL @ 12,270'

8-3/4" hole

7" 26# P-110 & S-95 csg @ 12,602'

Cm'd w 1300 sx d H

Wolfcamp perfs

10/24/96

13,002' - 13,008'

13098' - 13102'

13112' - 13120'

Atoka perfs

14,424' - 14,438'

10/15/96

Atoka perfs

14,499' - 14,756'

4/5/00

Morrow

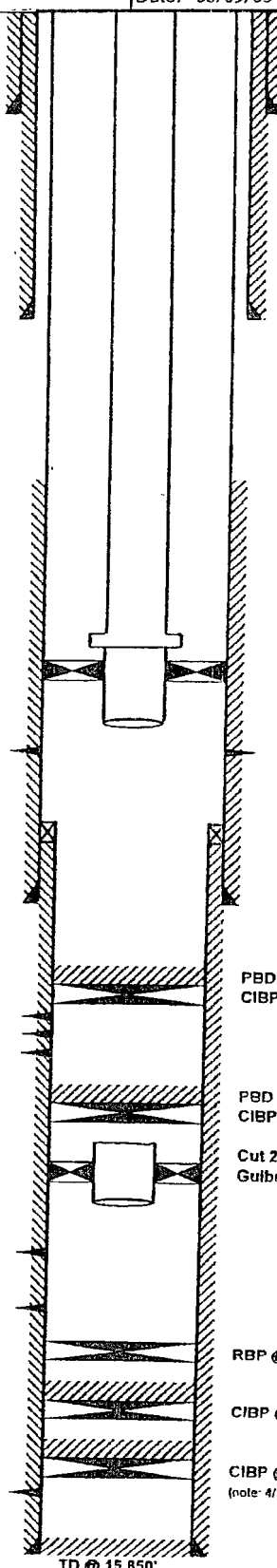
15,461' - 15,525'

9/5/96

6-1/8" hole

4-1/2" 13.5# S-95 Liner @ 15,847'

TOL @ 12,270' Cm'd w 462 sx d H



2-3/8", 4.7#, P110, Production Tubing

T2 On/Off Tool
Arrowset Packer @ 11482' (3/21/05)
6' sub
1.81 R Nipple

PBD @ 12920'
CIBP @ 12955' + 35' cement on top (3/15/05)

PBD @ 14279'
CIBP @ 14314' + 35' cement on top (3/15/05)

Cut 2-3/8" tbg 6' above packer (3/11/05)
Gulberson Packer @ 14317'

RBP @ 14,792' Set 4/13/00 No record of retrieving

CIBP @ 15,300' w/ 2 sx cmt on top 4/4/00

CIBP @ 15,450' w/ 35' cmt on top 10/10/96
(note: 4/1/00 - CIBP would not test)

TD @ 15,850'
(8/7/96)

**Thistle Unit 2
C W Trainer
November 9, 2007
Plug and Abandonment Procedure
Conditions of Approval**

1. **Ok**
 - a. Tag cement on top of CIBP, if not at 12920' or shallower, additional cement is required.
 - b. Plug required at 7" casing shoe. Plug to be 230' in length and set from 12660-12430'. Plug to be tagged. Minimum 25 sacks – Class H.
 - c. Plug required at top of Wolfcamp. Plug to be 220' in length and set from 12130-12350'. This plug can be combined with the one in step b. Minimum 25 sacks – Class H. If combined, approximately 45 sacks will be needed and plug should be tagged at 12200' or shallower.
2. **Ok**
3. **Ok**
4. Plug to be 200' in length. Set plug from 9130-8930'. Plug to be tagged at 9000' or shallower. Approximately 40 sacks – Class H.
5. **Ok**
6. Stub plug to be 170' in length and is to be tagged a minimum of 50' above cut. Approximately 50 sacks – Class C.
7. Lengthen plug to cover top of Delaware. Set plug at 5215-4961'. Tag plug at 4961' or shallower. Approximately 80 sacks – Class C.
8. Plug to be 130' in length. Approximately 45 sacks – Class C.
 - a. Plug (110') required at top of Rustler from 1350-1240'. Approximately 35 sacks.
9. **Ok**
10. **Ok**
11. **Ok**
12. **Ok**

WWI 110907

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

**Permanent Abandonment of Federal Wells
Conditions of Approval**

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 505-627-0272; Eddy County, call 505-361-2822; Lea County, call 505-393-3612.
3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.
4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of water. Minimum nine (9) pounds per gallon.
5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. In lieu of a cement plug in a cased hole, a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Dry Hole Marker: All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be capped with a 4-inch pipe, 10-feet in length, 4 feet above ground and embedded in cement. The following information shall be permanently inscribed on the dry hole marker: well name and number, name of the operator, lease serial number, surveyed location (quarter-quarter section, section, township and range or other authorized survey designation acceptable to the authorized officer such as metes and bounds).
7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and five copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. **Show date well was plugged.**

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration conditions of approval will be developed and furnished to you.



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Carlsbad Field Office
620 E. Greene St.
Carlsbad, NM 88220

Interim Reclamation Procedures for Permanently Abandoned Federal Wells

1. After Subsequent Report of Abandonment, Form 3160-5, is filed and approved by the BLM the surface protection specialist (SPS) will conduct a surface inspection of the abandonment. The SPS will establish the reclamation requirements the operator will need to complete. **DO NOT START RECLAMATION UNTIL THE SPS HAS INSPECTED THE LOCATION.**

2. The reclamation requirements will be given to an environmental protection specialist (EPS). The EPS will issue the operator a Notice of Written Order outlining the reclamation requirements. **DO NOT START RECLAMATION UNTIL A NOTICE OF WRITTEN ORDER FOR RECLAMATION HAS BEEN RECEIVED.** The EPS will be responsible for all further abandonment work and inspections.

3. **Notification: CONTACT THE EPS 3 DAYS PRIOR TO RECLAMATION WORK.** This notification gives the EPS an opportunity to discuss by phone or on location the reclamation requirements, any special concerns and the timeframes. It also allows the EPS an opportunity to witness various aspects of the reclamation work to determine if an adequate seedbed has been prepared and all reclamation requirements have been completed. **CONTACT THE EPS AT LEAST 3 DAYS PRIOR TO SEEDING.** This allows the EPS to witness the seeding operation to make sure the location is seeded properly and with the appropriate seed mixture. **DO NOT START RECLAMATION UNTIL THE EPS HAS BEEN NOTIFIED.**

4. After reclamation work has been completed, submit the **I & E copy of the Notice of Written Order** to the BLM. It will need to be signed by a company representative and dated. Also submit one original and five copies of the **Final Abandonment Notice, Form 3160-5.** The report should state that all reclamation work has been completed, and the location is ready for a final abandonment inspection.

5. The BLM will continue to monitor the location to ensure the location vegetates successfully, and salts from the reserve pit do not leach to the surface. The location will be monitored until such time as vegetation (20%) is established evenly across the location (including the reserve pit and access road). Once EPS determines that vegetation (20%) is evenly spread across the location, final abandonment will be authorized.

If there are any questions please feel free to contact any of the following:

Jim Amos
Supervisory Environmental Protection Specialist
(505) 234-5909

Barry Hunt
Surface Protection Specialist
(505) 234-5965

Todd Suter
Surface Protection Specialist
(505) 234-5987

Trishia Bad Bear
Natural Resource Specialist – Lea County
(505) 393-3612

Cody Layton
Natural Resource Specialist
(505) 234-5959

Paul Evans
Environmental Protection Specialist
(505) 234-5977

Terry Gregston
Environmental Protection Specialist
(505) 234-5958

10/18/2006