

Submit 1 Copy 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 87001  
 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources  
**RECEIVED**  
 OIL CONSERVATION DIVISION  
 1220 South St. Francis Dr.  
 Santa Fe, NM 87505  
**JUL 20 2010**  
**HOBBSOCD**

Form C-103  
 October 3, 2009

|   |  |   |
|---|--|---|
| <b>SUNDRY NOTICES AND REPORTS ON WELLS</b><br>(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.)     |  | WELL API NO.<br>30-025-39735 ✓  |
| 1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other <input type="checkbox"/>  |  | 5. Indicate Type of Lease<br>STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/> |
| 2. Name of Operator<br>MURCHISON OIL & GAS, INC.  |  | 6. State Oil & Gas Lease No.  |
| 3. Address of Operator<br>1100 MIRA VISTA BLVD., PLANO, TX 75093  |  | 7. Lease Name or Unit Agreement Name<br>CAPROCK FEE /   |
| 4. Well Location<br>Unit Letter <u>K</u> ; <u>1880</u> feet from the <u>S</u> line and <u>1880</u> feet from the <u>W</u> line<br>Section <u>26</u> Township <u>12S</u> Range <u>33E</u> NMPM LEA County <u>✓</u> |  | 8. Well Number <u>002</u> /   |
| 11. Elevation (Show whether DR, RKB, RT, GR, etc.)<br>4235 GR   |  | 9. OGRID Number<br>15363 ✓  |
| 12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data  |  | 10. Pool name or Wildcat<br>WILDCAT S1233271; MISS GAS <u>Hightower Penn</u>                        |

|   |  |  |  |
|---|--|--|--|
| <b>NOTICE OF INTENTION TO:</b><br>PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/><br>TEMPORARILY ABANDON <input checked="" type="checkbox"/> CHANGE PLANS <input type="checkbox"/><br>PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/><br>DOWNHOLE COMMINGLE <input type="checkbox"/> |  | <b>SUBSEQUENT REPORT OF:</b><br>REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/><br>COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/><br>CASING/CEMENT JOB <input type="checkbox"/> |  |
| OTHER: <input type="checkbox"/>   |  | OTHER: <input type="checkbox"/>  |  |

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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Murchison Oil & Gas, Inc. respectfully requests permission to temporarily plug and abandon well as described on the attached T&A Procedure and wellbore diagram.

Condition of Approval : Notify OCD Hobbs office 24 hours prior to running MIT Test & Chart

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Spud Date: 06/08/2010 Rig Release Date:  

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

SIGNATURE *A. Arnold* TITLE Vice President Operations DATE 07/20/2010

Type or print name A. Arnold E-mail address: arnall@jdmii.com PHONE: 972-931-0700

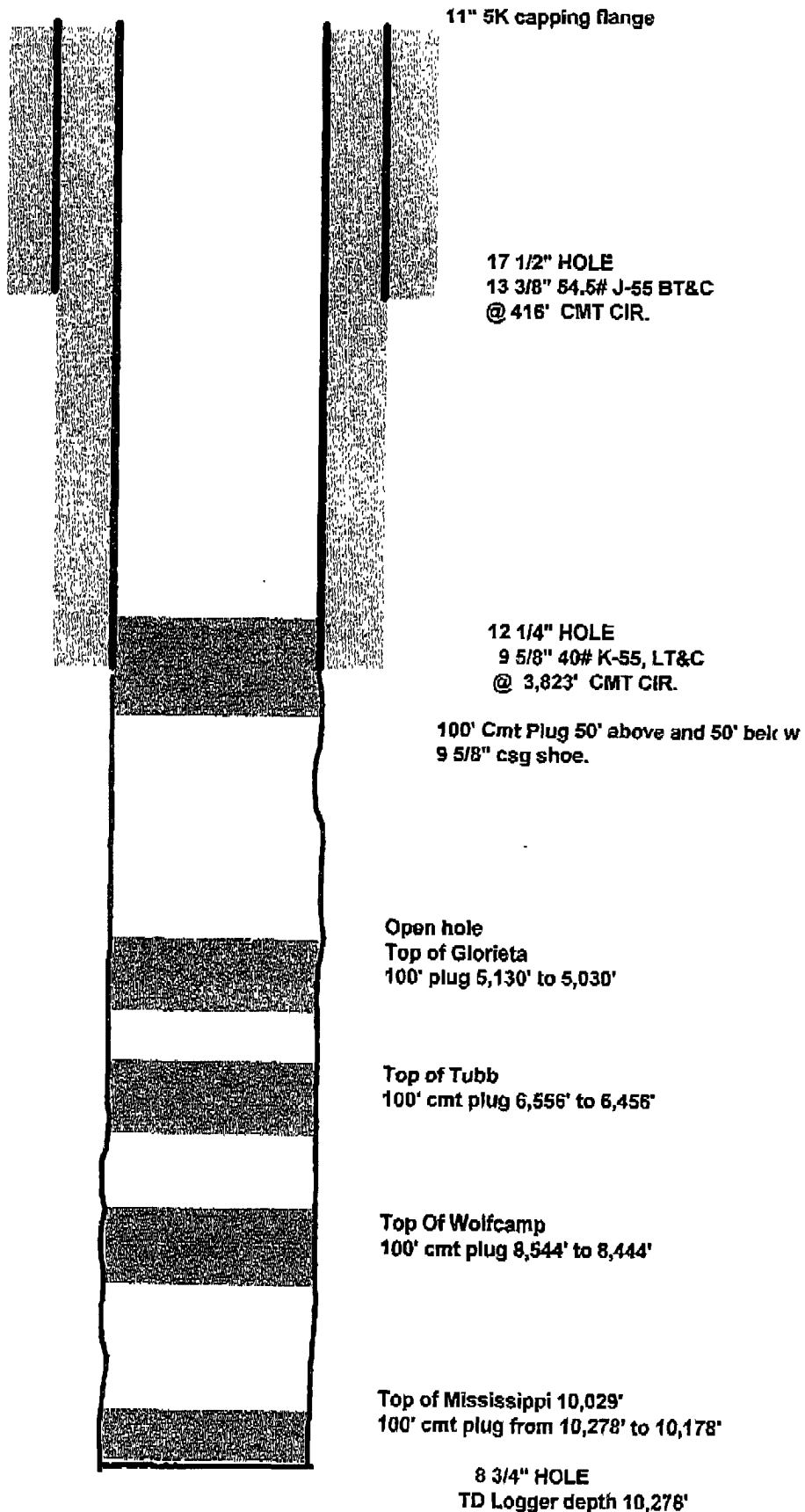
APPROVED BY *E. Boyle* TITLE STAFF MGR DATE 7-20-10  
 Conditions of Approval (if any):  

*pm*

MURCHISON OIL AND GAS, INC.  
CAPROCK FEE #2  
SEC. 26, T-12S,R-33E  
1980' FSL AND 1880' FWL  
LEA COUNTY, NEW MEXICO  
API # 30-025-39735

Proposed T & A well Bore 7-19-2010

GL: 4,235'  
KB: 4,254'



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MURCHISON OIL AND GAS, INC.

Caprock Fee #2

Sec. 26, T-12S, R- 33E

1880' FSL AND 1880' FWL

Lea County, New Mexico

T & A PROCEDURE

July 19, 2010

CASING:

|                        |                              |                   |
|------------------------|------------------------------|-------------------|
| Surface -              | 13 3/8" - 54.5#, J-55 BT&C   | @ 414' Cmt Cir.   |
| Intermediate           | 9 5/8" - 40#, K-55 LT&C      | @ 3,823' Cmt Cir. |
| Remaining drilled hole | 8.75' to total depth 10,278' |                   |

LOGS:

Schlumberger - LDCN -GR,DLL Dated 07-17-10

REFERENCE LOG:

Schlumberger - LDCN-GR, Dated 07-17-10

GL - 4,235' KB - 4,254' KB correction: - 19'

FORMATION TOPS:

|             |         |
|-------------|---------|
| Rustler     | 1,681'  |
| Glorieta    | 5,130'  |
| Tubb        | 6,556'  |
| Wolfcamp    | 8,544'  |
| Mississippi | 10,029' |

COMMENTS:

This procedure to T & A well was approved by phone verbally 7-19-2010 by Paul Kautz NMOCD Geologist Lea county Hobbs district. The well can remain in T & A status for up to five years, and may be extended at that time with additional integrity test.

Notify NMOCD to witness T & A procedure (575) 393 - 6161

MOGI  
Caprock Fee #2  
T & A Procedure  
Page 2 of 2

**T & A PROCEDURE:**

1. TTH w/ opened drill pipe and set 100' cmt plug 40 sx class H neat w/ water loss at the bottom of hole. This plug will not be required to tag as long as fluid level remains static. Should drilling fluid in hole fall it will be required to tag and set an additional plug.
2. Pull up hole and set 100' cmt plug 40 sx class H neat 8,544 to 8,444'. (Top of Wolfcamp). Cmt should be allowed some time to set before setting next plug to insure that it does not break down. This plug will not be required to tag as long as fluid level remains static. Should drilling fluid in hole fall it will be required to tag and set an additional plug.
3. Pull up hole and set 100' cmt plug 35 sx class C neat 6,556' to 6,456'. (Top of Tubb) Cmt should be allowed some time to set before setting next plug to insure that it does not break down. This plug will not be required to tag as long as fluid level remains static. Should drilling fluid in hole fall it will be required to tag and set an additional plug.
4. Pull up hole and set 100' cmt plug 35 sx class C neat 5,130' to 5,030'. (Top of Glorieta) Cmt should be allowed some time to set before setting next plug to insure that it does not break down. This plug will not be required to tag as long as fluid level remains static. Should drilling fluid in hole fall it will be required to tag and set an additional plug.
5. Pull up hole and set 100' cmt plug 60sx class C neat w/ 2% cacl 3,873' to 3,773'. (9 5/8" shoe 50' above and below)  
This plug will be required to Tag and should be found 50' above 9 5/8" csg shoe at 3,823'.

NOTE: All plugs should be set with drilling fluid in hole and drilling fluid should be left in 9 5/8" csg.

6. Pull out of hole w/ drill pipe, ND BOP and install 11" 5k cap, on to well head. Pressure test csg to 500 psi and hold for 30 minutes with pressure chart recorder.

The well is in T & A status,

Release drilling rig and move off, bleed pressure off csg, install tapped bull plug, needle valve and 1000 psi gauge to monitor. Clean location, fill in rat hole and mouse hole, build fence around cellar. **Do Not fill in cellar.**

Tommy W. Folsom  
Operations Manager



**J.D. MURCHISON INTERESTS, INC.**

MURCHISON OIL & GAS, INC.  
MURCHISON PROPERTIES, INC.

VIA FAX 575-393-0720 & CERTIFIED MAIL

July 20, 2010  
State of New Mexico  
Oil Conservation Division  
District I  
1625 N. French Dr.  
Hobbs, New Mexico 88240  
Attn: Paul Kautz

**RECEIVED**  
JUL 20 2010  
HOBSOCD

**RE: Caprock Fee #2  
Lea County, NM**

Mr. Kautz:

Please find the following enclosed:

- Form C-103 Notice of Intent to Temporarily Abandon

If you have any questions please give us a call.

Very truly yours,

**MURCHISON OIL & GAS, INC.**

Cindy Cottrell  
Regulatory Coordinator

Enclosure

**FAX COVER SHEET**

**RECEIVED**

DATE: \* July 20, 2010

JUL 20 2010  
HOBBSOCD

**PLEASE DELIVER THE FOLLOWING PAGES TO:**

NAME: \* PAUL KAUTZ  
COMPANY: \* NMOCD  
CITY/STATE: \* HOBBS, NM  
FAX NUMBER: \* (575) 393-0720

**FROM:**

NAME: \* CINDY COTTRELL  
COMPANY: \* MURCHISON OIL & GAS, INC.  
1100 MIRA VISTA BLVD.  
PLANO, TEXAS 75093-4698  
FAX: 972/931-0701

WE ARE TRANSMITTING 6 PAGES  
(Including this cover sheet)

IF TRANSMISSION IS NOT COMPLETE,  
PLEASE CALL CINDY @ 972/931-0700 EXT. 109

REMARKS: CAPROCK FEE #2  
FORM C-103 – TEMPORARILY ABANDON