

Submit 1 Copy To Appropriate District Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-039-26668
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Cougar Com 4
8. Well Number 2A
9. OGRID Number 22044
10. Pool name or Wildcat Blanco Mesaverde
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 7496' GL

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
McElvain Energy, Inc.,

3. Address of Operator
1050 17th St, Suite 2500, Denver, CO 80265

4. Well Location
 Unit Letter M : 935 feet from the South line and 835 feet from the West line
 Section 4 Township 25N Range 2W NMPM County Rio Arriba

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

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

McElvain Energy, Inc. Plans to Plug and Abandon the Cougar Com 4 #2A as per the attached procedure.

A closed loop system will be used.

Prior to cementing provide CAL to OGD for Review/Approval

Move MANAS plug to 6572-6472

Add Chacra plug 4448-4348

Move Nacimientos plug to 2275-2175

OIL CONS. DIV DIST. 3

NOV 22 2013

Notify NMOCD 24 hrs prior to beginning operations

Spud Date:

Rig Release Date:

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

SIGNATURE *Deborah K Powell* TITLE Eng Tech Manager DATE 11/20/2013

Type or print name Deborah K Powell E-mail address: _____ PHONE: _____

For State Use Only

APPROVED BY: *Deborah K Powell* TITLE Deputy Oil & Gas Inspector, District #3 DATE 11/26/13

Conditions of Approval (if any): AV

PLUG AND ABANDONMENT PROCEDURE

September 27, 2013

Cougar Com #4-2A

935' FSL and 835' FWL, Section 4, T25N, R2W
Rio Arriba County, New Mexico, API 30-039-26668
Lat: 36.42227 / Long: -107.06157

Note: All cement volumes use 100% excess outside pipe and 50' excess inside. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures. All cement will be Class B, mixed at 15.6 ppg with a 1.18 cf/sx yield.

1. Install and test rig anchors. Comply with all NMOC, BLM and McElvain safety rules and regulations. Conduct safety meeting for all personnel on location. MOL and RU daylight pulling unit. NU relief line and blow well down; kill with water as necessary. ND wellhead and NU BOP and stripping head; test BOP.
2. TOH and tally 2.375" tubing, total 6117'. Visually inspect tubing and if necessary use a workstring. TIH with casing scraper or mill to 7095' and tag existing CIBP or as deep as possible. Circulate the well clean and TOH. Run a CBL to determine TOC in annulus for each cement stage. Modify following plugs as appropriate based on CBL information with approval from JGA.
3. **Plug #1 (Gallup perforations and top, 7095' – 6995')**: TIH with tubing and spot 20 sxs Class B cement inside casing to isolate the Gallup perforations and top.
4. **Plug #2 (Mancos top, 6251' – 6151')**: Perforate 3 squeeze holes at 6251'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 5.5" cement retainer at 6201'. Establish rate into squeeze holes. Mix and pump 59 sxs cement, squeeze 42 sxs outside and leave 17 sxs inside the casing to cover the Nacimiento top. TOH with tubing.
- ✓ 5. **Plug #3 (Mesaverde perforations and top, 5602' – 5502')**: TIH and set a 5.5" CR at 5602'. Load the casing with water and circulate well clean. Pressure test casing to 800#. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 20 sxs Class B cement and spot a balanced plug inside casing to isolate the Mesaverde perforations and top. PUH.
6. **Plug #4 (Pictured Cliffs, Kirtland, Fruitland and Ojo Alamo tops, 3904' – 3336')**: Mix and pump 70 sxs Class B cement inside casing to cover through the Ojo Alamo top. TOH with tubing.
7. **Plug #5 (Nacimiento top, 1977' – 1877')**: Perforate 3 squeeze holes at 1977'. Attempt to establish rate into squeeze holes if the casing pressure tested. Set 5.5" cement retainer at 1927'. Establish rate into squeeze holes. Mix and pump 59 sxs cement, squeeze 42 sxs outside the 5.5" casing and leave 17 sxs inside the casing to cover the Nacimiento top. TOH with tubing.
8. **Plug #6 (8.625" Casing shoe, 686' - Surface)**: Perforate 3 squeeze holes at 686'. Establish circulation out the bradenhead valve with water. Mix and pump approximately 260 sxs cement down the 5.5" casing to circulate good cement out bradenhead valve. Shut well in and WOC.
9. ND BOP and cut off wellhead below surface casing flange. Top off cement in casing and annulus as appropriate and install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.

ALD CA 4470 - 4570

Cougar Com #4-2A Current

Blanco Mesaverde

935' FSL & 835' FWL, Section 4, T-25-N, R-2-W

Rio Arriba County, NM, API #30-039-26668

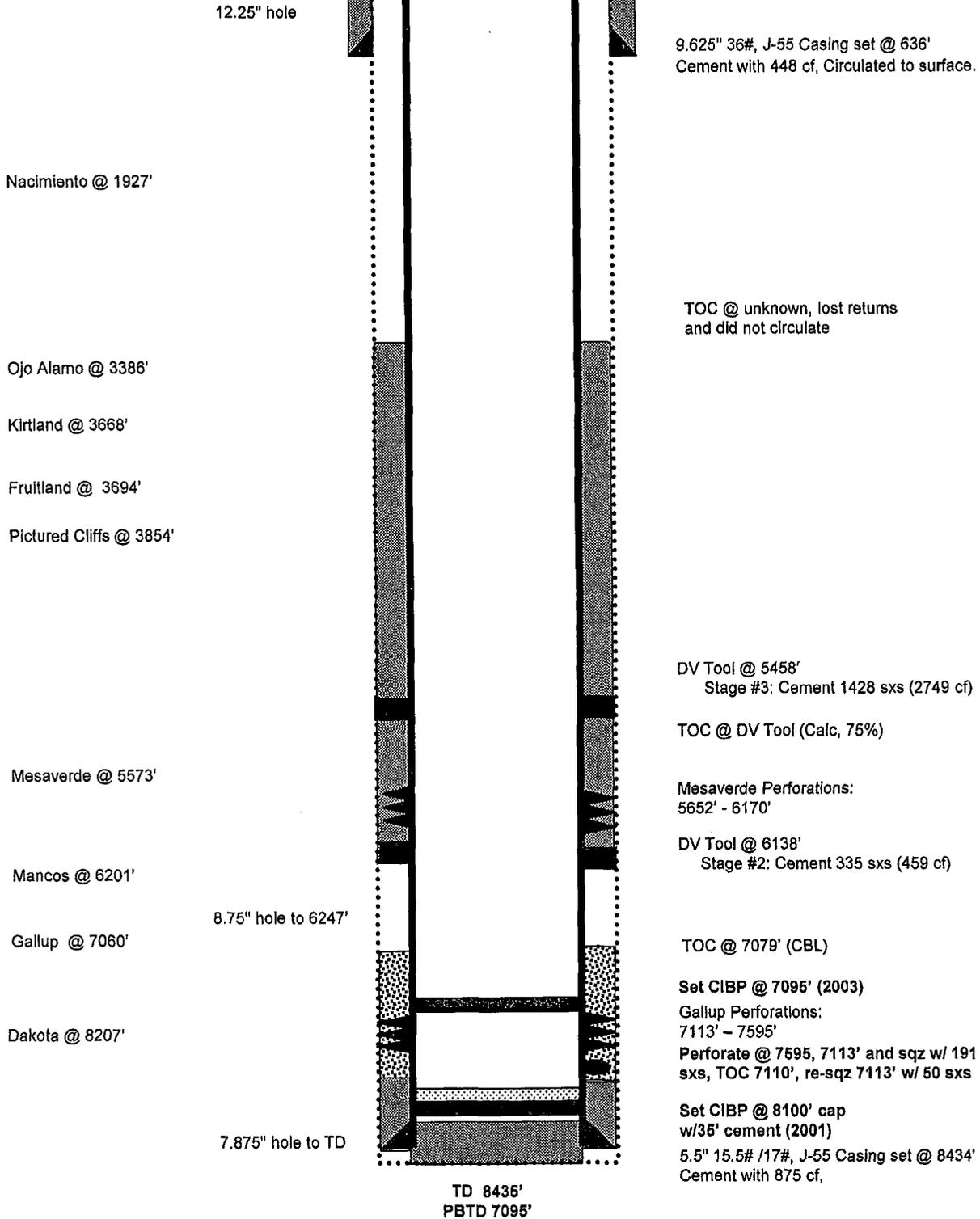
Lat: _____ / Long: _____

Today's Date: 9/27/2013

Spud: 6/03/01

Comp: 2/05/02

Elevation: 7496' GL



Cougar Com 4 #2A

Proposed P&A

Blanco Mesaverde

935' FSL & 835' FWL, Section 4, T-25-N, R-2-W

Rio Arriba County, NM, API #30-039-26668

Lat: _____ / Long: _____

Today's Date: 9/27/2013

Spud: 6/03/01

Comp: 2/05/02

Elevation: 7496' GL

12.25" hole

Nacimiento @ 1927'

Ojo Alamo @ 3386'

Kirtland @ 3668'

Fruitland @ 3694'

Pictured Cliffs @ 3854'

Mesaverde @ 5573'

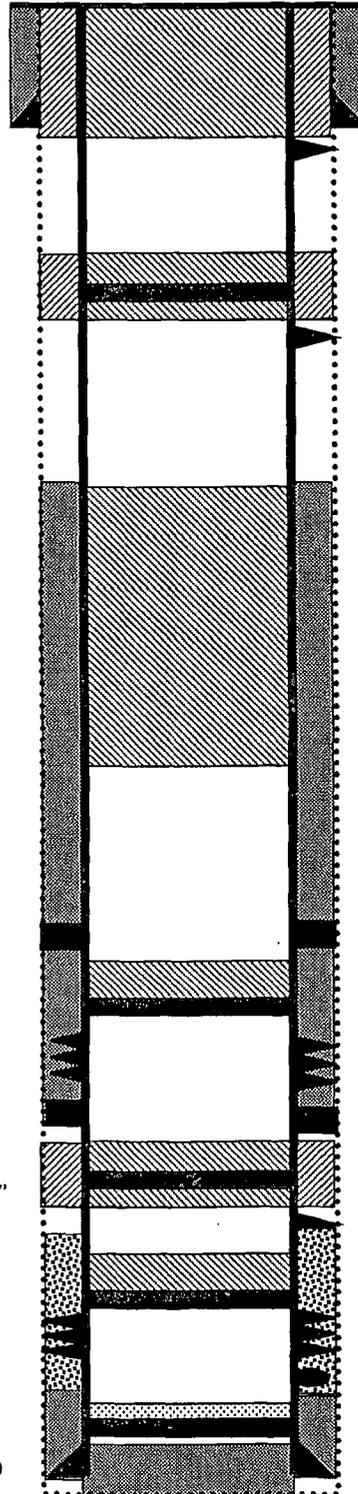
Mancos @ 6201'

Gallup @ 7060'

Dakota @ 8207'

8.75" hole to 6247'

7.875" hole to TD



9.625" 36#, J-55 Casing set @ 636'
Cement with 448 cf, Circulated to surface.

Perforate @ 686' Plug #6: 686' - 0'
Class B cement, 260 sxs

Cmt Retainer @ 1927'
Perforate @ 1977' Plug #6: 1977' - 1877'
Class B cement, 59 sxs:
17 inside and 42 outside

TOC @ unknown, lost returns
and did not circulate

Plug #4: 3904' - 3336'
Class B cement, 70 sxs

DV Tool @ 5458'
Stage #3: Cement 1428 sxs (2749 cf)

TOC @ DV Tool (Calc, 75%)

Set CR @ 5602' Plug #3: 5602' - 5502'
Mesaverde Perforations: Class B cement, 20 sxs
5652' - 6170'

DV Tool @ 6138'
Stage #2: Cement 335 sxs (459 cf)

Cmt Retainer @ 6201'
Perforate @ 6251' Plug #2: 6251' - 6151'
Class B cement, 59 sxs:
17 inside and 42 outside
TOC @ 7079' (CBL)

Set CIBP @ 7095' (2003)

Gallup Perforations: Plug #1: 7095' - 6995'
7113' - 7595' Class B cement, 20 sxs

Set CIBP @ 8100' cap
w/35' cement (2001)

5.5" 15.5# /17#, J-55 Casing set @ 8434'
Cement with 875 cf,

TD 8435'
PBTD 7095'