

Submit 3 Copies To Appropriate District  
Office  
District I  
1625 N. French Dr., Hobbs, NM 87240  
District II  
1301 W. Grand Ave., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
June 19, 2008

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

WELL API NO. 30-045-21586
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. E-8411
7. Lease Name or Unit Agreement Name: Dow Marks Com
8. Well Number #1
9. OGRID Number 162928
10. Pool name or Wildcat Basin Dakota
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6.327' 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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other
2. Name of Operator Energen Resources Corporation
3. Address of Operator 2010 Afton Place, Farmington, NM 87401
4. Well Location Unit Letter J : 1,500 feet from the South line and 1,500 feet from the East line Section 36 Township 26N Range 9W NMPM County San Juan
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6.327' GL

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☒  
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐  
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐  
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐  
COMMENCE DRILLING OPNS. ☐ P AND A ☐  
CASING/CEMENT JOB ☐

OTHER: ☐

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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Energen Resources intends to Plug & Abandon the Dow Marks Com #1 as follows on the attached procedure.



Spud Date:

11/11/1974

Rig Release Date:

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

SIGNATURE [Signature] TITLE District Engineer DATE 7/2/2010

asoto@energen.com

Type or print name Andrew Soto E-mail address: asoto@energen.com PHONE 505.325.6800

For State Use Only

APPROVED BY [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE JUL 16 2010

Conditions of Approval (if any):

[Signature]

## PLUG AND ABANDONMENT PROCEDURE

May 6, 2010

### Dow Marks Com #1

Basin Dakota

1500' FSL & 1500' FEL, Section 36, T26N, R9W, San Juan County, New Mexico

API 30-045-21586 / Lat: \_\_\_\_\_ Long: \_\_\_\_\_

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. This project requires the Operator to obtain an approved NMOCD C-144 CLEZ Closed-Loop System Permit for the use of an A-Plus steel tank to handle waste fluids circulated from the well and cement wash up.
2. Install and test location rig anchors. Comply with all NMOCD, BLM, and Operator safety regulations. MOL and RU daylight pulling unit. Conduct safety meeting for all personnel on location. Record casing, tubing and bradenhead pressures. NU relief line and blow down well. Kill well with water as necessary and at least pump tubing capacity of water down the tubing. ND wellhead and NU BOP. Function test BOP.
3. Rods: Yes \_\_\_\_\_, No X, Unknown \_\_\_\_\_;  
Tubing: Yes X, No \_\_\_\_\_, Unknown \_\_\_\_\_, Size 2.375", Length 6502';  
Packer: Yes \_\_\_\_\_, No \_\_\_\_\_, Unknown \_\_\_\_\_, Type \_\_\_\_\_.  
If this well has rods or a packer, then modify the work sequence in step #2 as appropriate.
4. **Plug #1 (Dakota perforations and tops, 6246' – 6146')**: RIH and set 4.5" cement retainer at 6246'. Pressure test tubing to 1000 PSI. Load casing with water and circulate well clean. Pressure test casing. If casing does not test, spot or tag subsequent plugs as appropriate. Mix 12 sxs Class B cement and spot a balanced plug above CR to cover the Dakota interval. TOH.
5. **Plug #2 (Gallup top, 5485' – 5385')**: Perforate 3 squeeze holes at 5485'. If casing tested then establish rate into squeeze holes. RIH and set CR at 5435'. Establish rate into squeeze holes. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside casing and leave 12 sxs inside casing to cover the Gallup top. PUH.
6. **Plug #3 (Mesaverde top, 3555' -3455')**: Mix and pump 12 sxs Class B cement and spot a balanced plug inside casing to cover the Mesaverde top. PUH.
7. **Plug #4 (Pictured Cliffs and Fruitland tops, 1970' – 1594')**: Mix and pump 33 sxs Class B cement and spot a balanced plug inside casing to cover through the Fruitland top. PUH.
8. **Plug #5 (Kirtland top, 1244' – 1144')**: Mix and pump 12 sxs Class B cement and spot a balanced plug inside casing to cover the Kirtland top. TOH with tubing.

9. **Plug #6 (Ojo Alamo top, 1049' – 949')**: Perforate 3 squeeze holes at 1059'. If casing tested then establish rate into squeeze holes. RIH and set CR at 999'. Establish rate into squeeze holes. Mix and pump 51 sxs Class B cement, squeeze 39 sxs outside casing and leave 12 sxs inside casing to cover the Ojo Alamo top. TOH and LD tubing.
10. **Plug #7 (8.625" casing shoe, 276' – 0')**: Perforate 3 HSC squeeze holes at 276'. Establish circulation to surface down the 4.5" casing and bradenhead valve, circulate the BH annulus clean. Mix approximately 95 sxs Class B cement and pump down the 4.5" casing to circulate good cement to the surface. Shut in well and WOC.
11. ND BOP and cut off wellhead below surface casing flange. Install P&A marker with cement to comply with regulations. RD, MOL and cut off anchors. Restore location per BLM stipulations.