

Submit 3 Copies 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 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM  
87505

State of New Mexico  
Energy, Minerals and Natural Resources

Form C-103  
May 27, 2004

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

WELL API NO. <b>30-045-29035</b>
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 Redfern
8. Well Number 1
9. OGRID Number 009812
10. Pool name or Wildcat Basin Fruitland Coal

<b>SUNDRY NOTICES AND REPORTS ON WELLS</b> (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 HEC Petroleum, Inc.	
3. Address of Operator P.O. Box 36366	
4. Well Location Unit Letter K : 1470 feet from the South line and 1500 feet from the West line Section 14 Township 29N Range 13W NMPM San Juan County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5340' GL	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

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

<b>NOTICE OF INTENTION TO:</b> PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> PULL OR ALTER CASING <input checked="" type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> OTHER: <input type="checkbox"/>	<b>SUBSEQUENT REPORT OF:</b> REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

HEC Petroleum, Inc. proposes to cleanout wellbore and replace tubing, bottom-hole pump and rod string as needed, and put well on pumping unit.

Please find attached a wellbore schematic and workover procedure for your use and review.



I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Teresa Jackson TITLE Regulatory Spec. DATE 4/20/06

Type or print name Teresa Jackson E-mail address: tljt@chevron.com Telephone No. 281-561-4896  
For State Use Only

APPROVED BY: H. Villanueva 4/27/06 TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 3 DATE APR 27 2006  
Conditions of Approval (if any):

92



Chevron U.S.A. Production Co.  
Mid-Continent Business Unit  
Coal Bed Methane

**REDFERN #1**  
**San Juan County, New Mexico**  
**Basin Field**  
**API: 30-045-29035**  
**Sec 14 – T 29N – R 13W**  
**CHEVNO: QU 6024-2**  
**WBS:**

Date: April 20<sup>th</sup>, 2006

Revised:

**Objective: Cleanout wellbore, replace tubing, bottom-hole pump and rod string as needed. Put well on pumping unit.**

**Prepared by:** James Carpenter  
Office: 281-561-4783  
Cell: 832-364-0464  
E-mail: [jceu@chevrontexaco.com](mailto:jceu@chevrontexaco.com)

**Production Engineer:** Tashika Charles  
Office: (281) 561-3873

**Procedure**

1. Install and test rig anchors. Prepare blow pit or flowback tank. Comply w/ all BLM and Chevron HES Regulations.
2. MIRU WO Rig. R/U rig. Conduct safety meeting w/ all personnel on location. NU relief line. Rig down pumping unit. Blow down well and kill w/ water if necessary.
3. POOH with rods and pump if installed:
4. ND Tree, NU Clean-out spool, 2 – 3" lines to flowback tank and BOP's. Pressure test BOP's as necessary.
5. POOH w/ tbg string as follows and lay down if necessary. Send tubing into tuboscope for inspection if necessary. Replace damaged or bad tubing as needed.

Tubing string details:  
2-7/8", 6.5#, EUE, J-55 tbg @ 1159'

6. PU 4-3/4" bit, bit sub and 5-1/2" mill on workstring. RIH and cleanout to PBTD @ 1252'. Tag fill, break circulation w/air and clean-out by pumping air and soap sweeps as needed. Pump 5 – 10 bbl soap sweeps accordingly.
7. Continue to clean past the bottom perforation to be able to continue on with acid job.



8. POOH with workstring after cleaning.
9. PU straddle packer and RIH to acidize fruitland coal perforations.
10. Hold safety meeting with all on location. Discuss TIF and job safety when dealing with acid. Make sure personnel gauging acid is wearing proper PPE.
11. RU service company pumping acid. Test lines.
12. Pump 5000 gals acid as per service company recommendation. Straddle tool setting to be determined by Chevron wellsite manager and tool personnel. Will pump ~ 200 gals/net ft perforated interval.
13. Release packer after pumping acid. POOH and lay down packer.
14. PU bit and bit sub. RIH to clean out acid residue and fines generated.
15. Run down to PBTD and drill down to TD. We want to drill up the shoe track to allow more rat-hole for the bottom-hole pump.
16. Tag fill, break circulation w/air and clean-out to TD by pumping air and soap sweeps as needed. Pump 5 – 10 bbl soap sweeps accordingly.
17. POOH after wellbore is clean to TD and no more fines/acid are in the returns.
18. PU production tubing and RIH. Circulate any fill that may have come into the wellbore. Land well w/ EOT @ ~ 1200.
19. ND BOP's, NU wellhead.
20. PU existing/new pump and rods as per Jeff Hall.
21. Hang polished rod on horses head if there is a pumping unit on location. Check operations.
22. RD WO Rig and MOL.
23. Turn well over to production.



**Redfern #1**  
**San Juan County, New Mexico**  
**Current Well Schematic as of 4-20-06**

Geologic Tops:  
Pictured Cliffs 1213'

API: 30-045-29035  
Legals: Sec 14 - T 29N - R 13W  
Field: Basin

KB 12'  
KB Elev 5352'  
Gr Elev 5340'

Surface Casing:  
8-5/8", 24#, J-55, @ 268'  
TOC = 0' w/ 320 sks

Tubing Details:  
2-7/8", 6.5#, J-55 @ 1159'

Fruitland Coal Perfs: All 4 jspf  
1166' - 1176'  
1180' - 1200'  
1208' - 1212'

Production Casing:  
5-1/2", 15.5#, J-55 @ 1297'  
TOC = 40' w/ 210 sks  
TOC by CBL

PBTD = 1252'

TD = 1315'

Prepared by: James Carpenter  
Date: 4/20/2006

Revised by:  
Date: