

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. 30-045-33930
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name TSAH TAH 2
8. Well Number #3
9. OGRID Number 239235
10. Pool name or Wildcat BASIN FRUITLAND COAL
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6839' 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 Rosetta Resources
3. Address of Operator c/o Walsh Engineering 7415 East Main Street, Farmington, NM 87402
4. Well Location Unit Letter L : 1500' feet from the SOUTH line and 1000' feet from the WEST line Section 2 Township 24N Range 10W NMPM County San Juan
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6839' GL

Pit or Below-grade Tank Application ☐ or Closure ☐

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

NOTICE OF INTENTION TO:

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

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.

Rosetta Resources proposes to plug and abandon the well according to the attached procedure.

RCVD APR 25 '08

OIL CONS. DIV.

DIST. 3

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 Paul C. Thompson TITLE Agent / Engineer DATE 4/23/08

Type or print name Paul Thompson, P.E. E-mail address: paul@walsheng.net Telephone No. 505-327-4892

For State Use Only

APPROVED BY: H. Villanueva TITLE Deputy Oil & Gas Inspector, District #3 DATE APR 29 2008

Conditions of Approval (if any):

Give OCD 24 Hr notice to witness

B

Walsh Engineering and Production

Plug and Abandon Procedure for
Rosetta Resources
Tsah Tah 2 #3

Location: SW/4 Sec 2 T24N R10W
San Juan County, NM
API: 30-045-33930
Field: Basin Fruitland Coal
Surface: State
Minerals: State

Date: April 24, 2008
Elev: GL 6839'
KB 5'
4-1/2", 10.5# at 1900' KB
PBSD at 1879' KB
Top of Marker Jt - 1407' KB
Perfs: 1474-76, 1563-65, 1686-99' KB

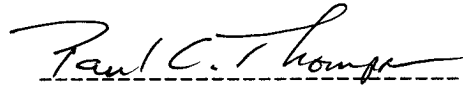
Objective: P&A Well

Procedure:

1. Move on location and rig up a service unit. Spot a tubing trailer. Blow the well down if necessary. Explain the procedure to the crew.
2. Pull and lay down a 22' polished rod, 65 plain 3/4" rods, three 1-1/2" sinker bars and a 2" X 1-1/2" X 14' RWAC pump.
3. Nipple down the wellhead and nipple up the BOP. TOH with 51 jts of 2-3/8" tubing, a seating nipple, and a slotted mud anchor. Lay down the mud anchor and seating nipple.
4. Pick up a 4-1/2" cement retainer and set it at 1382' KB (50' above the top of the Fruitland formation). Sting out of the retainer and load the casing. Pressure test the casing to 500 psi.
5. Sting back into the retainer and pump **Plug #1**, 25 sx (29.5 cu.ft.) of Type 5 neat cement below the retainer. Sting out of the retainer and spot ~~5~~₆ sx (~~5.9~~_{6.7} cu.ft.) of top of the retainer. TOH and remove the stinger.
6. TIH to 1000' (50' below the Ojo Alamo top). **Plug #2**. Spot a balanced plug from 1000' to 900' with 12 sx (14.1 cu.ft.) 50' excess. POH to 176'.
7. **Plug #3**. Surface plug. Fill the casing from 191' (50' below the surface pipe shoe) to surface with Type 5 neat cement (approximately 20 sx - 23.6 cu.ft.). TOH and lay down the tubing. Nipple down the BOP and tubing head. Fill the casing with cement as necessary.

8. Cut off the casing and install the P&A marker.

Note: Since this well will be re-drilled and the new well will utilize most of the existing location, the P&A marker will be installed after the replacement well is drilled and completed. Only the area not needed for the replacement well will be reseeded.

A handwritten signature in cursive script, reading "Paul C. Thompson", written over a horizontal dashed line.

Paul C. Thompson, P.E.

ROSETTA RESOURCES -
 TSAH TA4 2 #3
 SW/4 SECTION 2, T24N, R10W

P&A STATUS

Plug #3 SURFACE - 191'
 20SK (23.6 cuft) TYPE 5
 NEAT CEMENT

7", 20# @ 141'
 CMT w/ 77 cuft.
 CIRC 5 bbls CMT TO SURFACE

Plug #2 (905'-1000')
 12SK (14.1 cuft) TYPE 5
 NEAT CEMENT

610 ALAMO - 950

5SK (5.9 cuft) ABOVE THE
 CEMENT RETAINER.

CEMENT RETAINER
 1382'

FRUITLAND - 1432'

Plug #1 25SK (29.5 cuft)
 TYPE 5 NEAT CEMENT

1474-76
 1563-65
 1686-99
 } PERFS

PICTURED CLIFFS - 1724

PBTD = 1879

4 1/2", 10.5# @ 1900'
 CMT w/ 309 cuft & 89 cuft
 CIRC 15 bbls OF CMT TO SURFACE

PJ 4/24/08