

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

FORM APPROVED
OMB No 1004-0135
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

MAR 05 2012

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1 Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. SF 078521
2 Name of Operator Thompson Engineering & Production Corp.		6. If Indian, Allottee or Tribe Name Farmington Field Office
3a Address 7415 E Main St., Farmington, NM 87402	3b. Phone No. (include area code) 505-327-4892	7 If Unit or CA/Agreement, Name and/or No
4 Location of Well (Footage, Sec, T, R., M, or Survey Description) 1490' FNL & 790' FWL, Section 27, T25N, R9W 1450		8. Well Name and No Rudman Federal #1
		9 API Well No 30-045-13020
		10. Field and Pool, or Exploratory Area White Wash Gallup
		11 County or Parish, State San Juan County, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13 Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once Testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Thompson Engineering plans to plug and abandon the Rudman Federal #1 according to the attached procedure.

* Place mancos plug inside /outside from 4400-4500

RCVD MAR 8 '12
OIL CONS. DIV.

DIST. 3

14 I hereby certify that the foregoing is true and correct	
Name (Printed/Typed) Paul C. Thompson, P.E.	Title President
Signature <i>Paul C. Thompson</i>	Date February 21, 2012

THIS SPACE FOR FEDERAL OR STATE USE

Approved by Original Signed: Stephen Mason	Title	Date MAR 05 2012
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCD

Walsh Engineering and Production

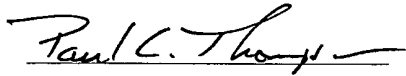
P & A Procedure for
Thompson Engineering and Production Corp.
Rudman Federal #1

Location: 1190 FNL & 790 FWL Sec 27 T25N R9W	Date: February 20, 2012
San Juan County, CO	
API 30-045-13020	
Field: White Wash Gallup	Elev: GL 6570' 12' KB
Surface: BLM	5-1/2", 15.5 & 17.0# @ 6525'
Minerals: BLM SF 078521	Gallup perms: 5282' - 5502'

Procedure:

1. MOL and RU completion rig. Hold safety meeting and explain the procedure to the crew.
2. Remove the horse head. Pull the polished rod, four 4' and one 2' pony rods and two full rods. Re-install the polished rod. Pump 50 bbls of hot water down the tubing. TOH and lay down the remaining rods (223) and a 2" X 1-14/" X 12' RHAC pump.
3. Nipple down the wellhead and nipple up a BOP. Drop a standing valve and pressure test the tubing to 1,000 psi. Retrieve the SV. Tally out with 180 jts of tubing, SN, perf sub, and cut-off tail joint.
4. Pick up a 5-1/2" casing scrapper on a 2-3/8" workstring. TIH to at least 5250'. TOH and lay down the scrapper.
5. Set a CICR at 5232' KB (50' above the top perf) on tubing. Pressure test the tubing to 1,500 psi. Pull out of the CICR and load the casing with fresh water. Sting into the retainer and establish an injection rate with water. **Plug #1** - Pump 42 sx (50 cu.ft.) of neat cement below the CICR. Cement volume calculated to fill the casing from 5502' to 5232' with 100' excess. Sting out of the retainer and leave 50' of cement, 6 sx (6.7 cu.ft.) of neat cement on top of the CICR. TOH.
6. Perforate 2 squeeze holes 50' below the Point Lookout top at 4230' KB.
7. Pick up a 5-1/2" cement retainer on 2-3/8" tubing and set it at 4,130' KB (100' above the squeeze holes). Establish an injection rate with water.
8. Pump **Plug #2** - 100' inside and outside the 5-1/2" casing with a 100' excess). Pump 41 sx (48.4 cu.ft.) of Cl "B" or equivalent neat cement below the retainer. Sting out of the retainer and leave 50' of cement, 6 sx (6.7 cu.ft.) of neat cement on top of the CICR. POH to 3,500' and circulate the tubing with clean water. TOH.

9. Perforate 2 squeeze holes 50' below the Cliff House top at 2655' KB.
10. Pick up a 5-1/2" cement retainer on 2-3/8" tubing and set it at 2555' KB (100' above the squeeze holes). Establish an injection rate with water.
11. Pump **Plug #3** - 100' inside and outside the 5-1/2" casing with a 100' excess). Pump 41 sx (48.4 cu.ft.) of Cl "B" or equivalent neat cement below the retainer. Sting out of the retainer and leave 50' of cement, 6 sx (6.7 cu.ft.) of neat cement on top of the CICR. POH to 2000' and circulate the hole with clean water. TOH and remove the cement retainer stinger.
12. TIH open ended to 1847'. **Plug #4**. Spot a balanced plug from 1747' to 1847' (50' +/- the Pictured Cliffs top) with 100' excess. Use 23 sx (27.1 cu.ft.) of Cl "B" or equivalent neat cement.
13. POH to ~~1225'~~¹⁵⁵⁷. **Plug #5**. Spot a balanced plug from ~~1125'~~¹⁴⁵⁷ to ~~1225'~~ (50' +/- the Fruitland top) with 100' excess. Use 23 sx (27.1 cu.ft.) of Cl "B" or equivalent neat cement. TOH.
 → *K. Fruitland / Old Alumna plug 1225 - 911*
14. Perforate 2 squeeze holes at 279' (50' below the surface casing shoe).
15. Establish circulation down the 5-1/2" casing and out the bradenhead with water. **Plug #6** Pump enough neat cement with 2% CaCl₂ to circulate good cement to the surface (approximately 75 sx (88.5 cu.ft.)). Leave the casing full. Nipple down the BOP and tubinghead. Cut off the wellhead 2' below ground level. Top off the hole with cement as necessary.
16. Install a dryhole marker and remove the rig anchors. Reclaim location.



Paul C. Thompson, P.E.

Thompson Engineering & Production

Wellbore Schematic

Rudman Federal No. 1

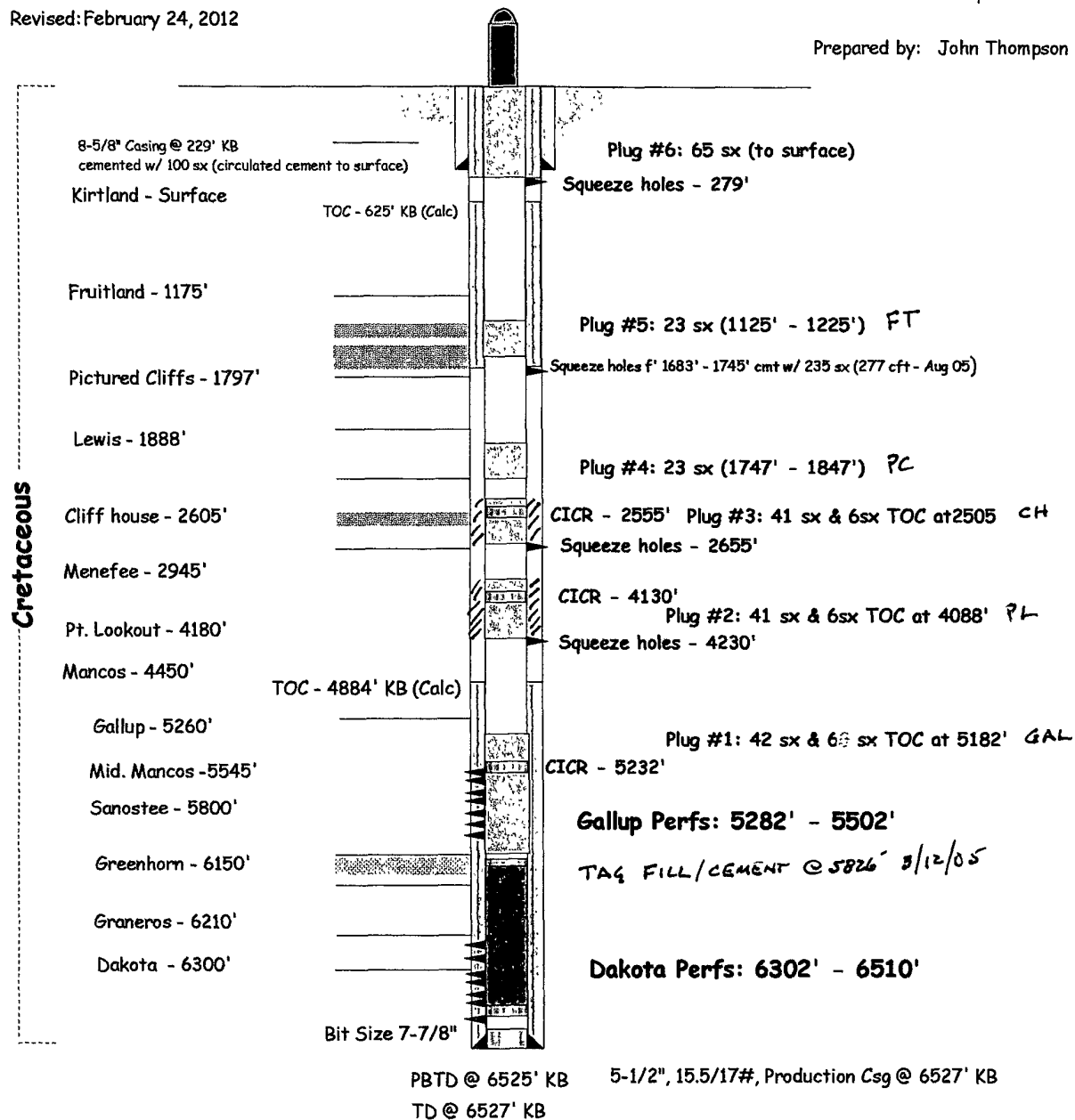
~~PEA~~ ~~SUPPORT~~ Wellbore Configuration

Location: 1190' fnl & 790' fwl (sw/nw)
Sec 27, T25N, R9W, NMPM
San Juan Co, New Mexico

Revised: February 24, 2012

Elevation: 6570' GL
6582' RKB
Field: Gallup

Prepared by: John Thompson



**UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
1235 LA PLATA HIGHWAY
FARMINGTON, NEW MEXICO 87401**

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: 1 Rudman Federal

CONDITIONS OF APPROVAL

1. Plugging operations authorized are subject to the attached "General Requirements for Permanent Abandonment of Wells on Federal and Indian Lease."
2. Farmington Office is to be notified at least 24 hours before the plugging operations commence (505) 599-8907.
3. The following modifications to your plugging program are to be made:
 - a) Place the Fruitland plug from 1557' – 1457'.
 - b) Place the Kirtland/Ojo Alamo plug from 1225' – 911'.

You are also required to place cement excesses per 4.2 and 4.4 of the attached General Requirements.

Office Hours: 7:45 a.m. to 4:30 p.m.