

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

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

NOV 14 2016

SUNDRY NOTICES AND REPORTS ON WELLS

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

5. Lease Serial No
NMSF 078897 A

6. If Indian, Allottee or Tribe Name
Farmington Field Office

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
Gracia Federal 181 #1S

9. API Well No.
30-045-33468

10. Field and Pool, or Exploratory Area
Basin Fruitland Coal

11. County or Parish, State
San Juan County, NM

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
Thompson Engineering and Production Corp.

3a. Address
7415 E. Main, Farmington, NM, 87402

3b. Phone No. (include area code)
505-327-4892

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
730' FNL and 1473' FEL, Section 18, T26N, R11W

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 recomplete 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 recompletion 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.)

Please include the attached well bore diagram to the previously submitted P&A procedure. Also, please correct the setting depth of the CICR to 1082' (50' above the top Fruitland Coal perf) and the TOC on the first plug to 1032' (50' above the CICR).

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

SEE ATTACHED FOR CONDITIONS OF APPROVAL

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Paul C. Thompson, P.E. Title President

Signature *Paul C. Thompson* Date November 7, 2016

THIS SPACE FOR FEDERAL OR STATE USE

Approved by *AG Shadani* Title *PE* Date *11/29/16*

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 *FFO*

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.

(Instructions on reverse)

FARMINGTON
NMOC
AV

OIL CONS. DIV DIST. 3

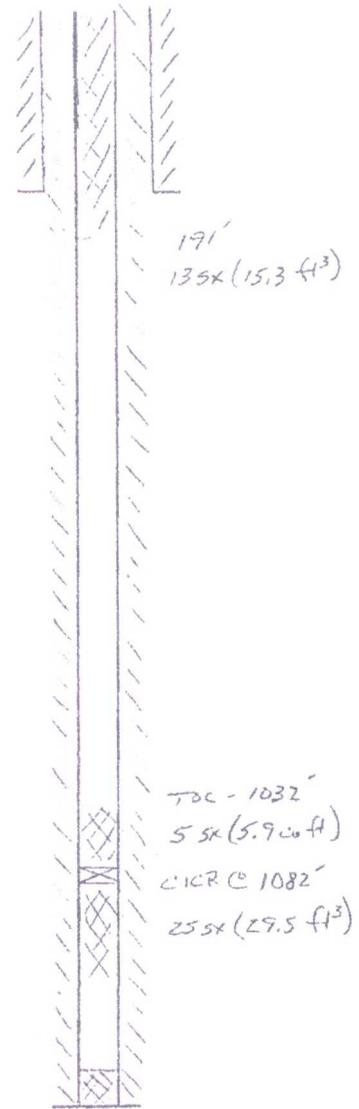
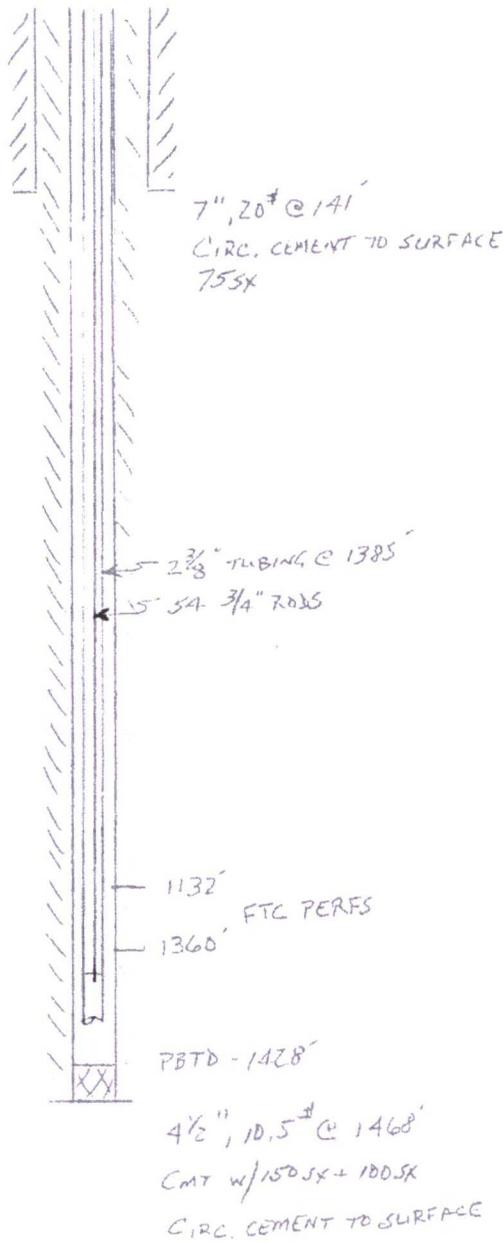
JUN 26 2017

7

THOMPSON ENGINEERING & PRODUCTION CORP.
 GRACIA FEDERAL 18 I #15
 30-045-33468
 T30 FNL, 14.73 FEL, SEC. 18, T36N, R11W

CURRENT STATUS

P&A STATUS



42,381 50 SHEETS 3 SQUARE
 42,382 100 SHEETS 3 SQUARE
 42,383 200 SHEETS 3 SQUARE
 NATIONAL

Ret 11/7/16

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS **OCT 27 2016**

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Farmington Field Office
Bureau of Land Management

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<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
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Thompson Engineering and Production Corp. proposes to plug and abandon this well according to the attached procedure.

I hereby certify that the foregoing is true and correct

Name (Printed/Typed) Paul C. Thompson, P.E. Title President

Signature *Paul C. Thompson* Date October 24, 2016

THIS SPACE FOR FEDERAL OR STATE USE

Approved by _____ Title _____ Date _____

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.

Walsh Engineering and Production
P & A Procedure for
Thompson Engineering and Production Corp.
Gracia Federal 18I #1S

Location: NE/4 Sec 18 T26N R11W
San Juan County, NM
API: 30-045-33468

Date: October 24, 2106

Field: Basin Fruitland Coal
Surface: BLM
Minerals: BLM SF - 078897A

Elev: GL 6100' (5' KB)
4-1/2" @ 1468' KB
PBSD: 1428' KB
FTC Perfs: 1208' - 1355' KB

Procedure:

1. Move on location and rig up a well service unit. Hold a safety meeting and explain the procedure to the crew.
2. Pull and lay down the 54 plain 3/4" rods and pump. Nipple down the well head and nipple up the BOP. Trip out of the hole with 41 jts of 2-3/8" tubing, a seating nipple, 2' perf sub, and a 20' cut-off mud anchor.
3. Pick up a 4-1/2" casing scrapper on a 2-3/8" tubing and TIH to at least 1132' (Fruitland Top). TOH and lay down the scrapper.
4. Pick up a 4-1/2" CICR on 2-3/8" tubing and set it at approximately 1132'. Pressure test the tubing to 1000 psi. Sting out of the retainer and load the casing with water. Pressure test the casing to 500 psi. Sting back into the retainer and pump 25 sx (29.5 cu.ft.) of neat cement below the CICR. Sting out and leave another 5 sx (5.9 cu.ft) above the CICR to 1082' to cover the Fruitland top plus 50'. POH above the cement (approx. 900') and reverse circulate the tubing clean. TOH and lay down the stinger.
5. TIH open ended to 191'. Spot a balanced plug with 13 sx (15.3 cu.ft.) of neat cement to cover 50' below the bottom of the surface casing shoe to surface. TOH and top off the casing as necessary.

1132-1082

191-0

6. Cut the wellhead off 4' below the ground level. Check the 7" X 4-1/2" annulus cement top and cement to surface via 1" PVC tubing as necessary.

7. Install a dryhole marker with a weep hole. Reclaim location as per surface owner specifications.

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

Paul C. Thompson, P.E.

**BLM FLUID MINERALS
Geologic Report**

Date Completed: 10/31/16

Well No.	Gracia Federal 181 # 1S	Location	730' FNL & 1495' FEL
Lease No.	SF - 078897 - A	Sec. 18	T26N R11W
Operator	Thompson Eng. & Prod. Corp.	County	San Juan State New Mexico
Total Depth	1473' PBTD 1428'	Formation	Fruitland Coal
Elevation (GL)	6100'	Elevation (KB)	6105'

Geologic Formations	Est. Top	Est. Bottom	Log Top	Log Bottom	Remarks
San Jose Fm					
Nacimiento Fm			Surface	296	Surface/Fresh water sands
Ojo Alamo Ss			296	424	Aquifer (fresh water)
Kirtland Shale			424	1132	Potential O&G in Fmgtn Ss Member
Fruitland Fm			1132	1356	Coal/Gas/Water/Potential ss w/gas
Pictured Cliffs Ss			1356	PBTD	Gas/Water
Lewis Shale					
Chacra					
Cliff House Ss (La Vena Ss)					
Menefee Fm					
Point Lookout Ss					
Mancos Shale					
Gallup					
Dakota Ss					
Morrison					

Remarks:
P & A

- Log analysis of reference well #2 (attached worksheet) indicates the Nacimiento and Ojo Alamo sands investigated contain fresh water ($\leq 5,000$ ppm TDS).
- Please ensure that the top of the Fruitland fm., as well as the entire Ojo Alamo fresh water aquifer, identified in this report are isolated by proper placement of cmt. plugs. This will protect the fresh water sands in this well bore.

Reference Well:

- | | |
|--|-------------------|
| 1) Same | Fm. Tops |
| 2) Merrion O&G
Delhi Taylor A #4
1930' FNL, 660' FEL
Sec. 17, 26N, 11W
GL 6196' KB 6206' | Water
Analysis |

295-150

Prepared by: Chip Harraden *CH*

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
FARMINGTON DISTRICT OFFICE
6251 COLLEGE BLVD.
FARMINGTON, NEW MEXICO 87402

Attachment to notice of
Intention to Abandon:

Re: Permanent Abandonment
Well: Gracia Federal 181 #1S.

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) 564-7750.
 - a) Set Plug #2 (474-0) ft. to cover the entire Ojo Alamo fresh water aquifer. BLM picks top of the Ojo Alamo at 296 ft and the bottom of the Ojo Alamo at 424 ft.

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.

OIL CONS. DIV DIST. 3
JUL 05 2017