

Submit 1 Copy To Appropriate District Office  
 District I - (575) 393-6161  
 1625 N. French, Dr., Hobbs, NM 88240  
 District II - (575) 748-1283  
 811 S. First St., Artesia, NM 88210  
 District III - (505) 334-6178  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV - (505) 476-3460  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 Revised July 18, 2013

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

WELL API NO. 30-039-24295
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 SAN JUAN 32-5 UNIT NP
8. Well Number 102
9. OGRID Number 298299
10. Pool name or Wildcat
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6370' 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  Gas Well  Other

2. Name of Operator  
CROSS TIMBERS ENERGY, LLC

3. Address of Operator  
400 W 7TH ST, FORT WORTH, TX 76102

4. Well Location  
 Unit Letter K : 1820 feet from the S line and 1635 feet from the W line  
 Section 24 Township 32N Range 06W NMPM County RIO ARRIBA

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input checked="" type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	P AND A <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	
DOWNHOLE COMMINGLE <input type="checkbox"/>			
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <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 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

- 1) Isolate lower coal perforations (3075'-3079') with a CIBP set at approximately 3065'
- 2) RWTP producing upper coal perforations and sidetrack lateral.

OIL CONS. DIV DIST. 3

JUN 07 2017

Spud Date: 10/05/1988

Rig Release Date:  

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

SIGNATURE Connie Blaylock TITLE REGULATORY TECH DATE 6/6/2017

Type or print name CONNIE BLAYLOCK E-mail address: cblaylock@mspartners.com PHONE: 817-334-7882

**For State Use Only**

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE 7/3/17

Conditions of Approval (if any):

AV



Fruitland Energy Services

### San Juan 32-5 Unit NP 102 Rio Arriba County, NM

TD - 3,098 ft MD Mainbore  
TD - 4,762 ft MD Sidetrack Lateral

12 1/4" hole to 220'.  
Surface Csg: 5 jts 9 5/8" 36# lb/ft K-55  
Setting Depth: 220 ft kb

Cement  
150sx Class G (177 ft<sup>3</sup>)  
Circulated cement to surface

8 3/4" hole to 2,970'.  
Production Csg: 68 jts 7" 20# K-55  
Setting Depth: 2,970 ft

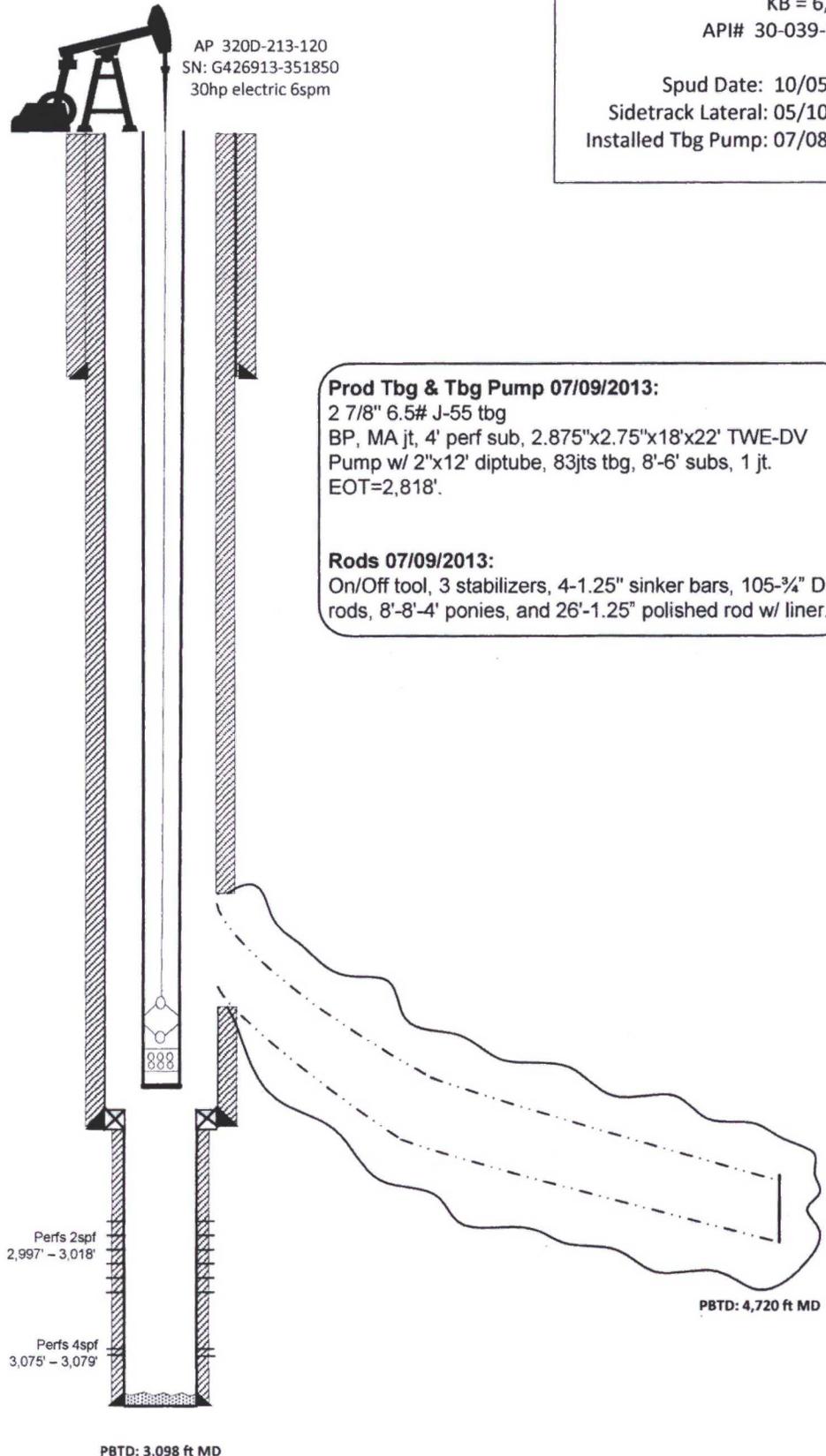
Cement  
Lead: 450sx 65/35 Class B.  
Tail: 100sx 60/50 Class B  
Total cement 990 ft<sup>3</sup>.  
Circulated 12 bbls cement to surface.

6 1/4" hole to 3,098 ft MD  
Liner Csg: 7 jts 4.5" 10.5# K-55  
Setting depth: 3,098 ft MD  
Liner top: 2,820 ft MD (150' overlap in 7")  
Perfs: 2spf 2997'-3018'; 4spf 3075'-3079'

Cement  
Lead: 25sx Class B 65/35  
Tail: 75sx Class B  
Total cement 137 ft<sup>3</sup>.  
Reverse circulated 8 bbls cmt to surface.

**Mill Window: 2,765 ft - 2,784 ft**  
6 1/4" lateral hole to 4,762 ft MD  
Liner Csg: 4.5" 11.6# J-55 LT&C preperfd liner  
Setting Depth (PBTD): 4,720 ft MD.  
Top of Liner: 2,768 ft MD (Baker Hook Hanger)  
Perfs 8spf, 0.50" 12,448 holes: 3,078 ft - 4,634 ft

**Frac Fruitland Coal 11/1988**  
2,997' - 3,079'  
86,310 gal fluid  
137,000 lbs sand



Prepared by: Savage  
Date: 05/31/2017  
  
KB = 13 ft  
GL = 6,357 ft  
KB = 6,370 ft  
API# 30-039-24295  
  
Spud Date: 10/05/1988  
Sidetrack Lateral: 05/10/2010  
Installed Tbg Pump: 07/08/2013

**Prod Tbg & Tbg Pump 07/09/2013:**  
2 7/8" 6.5# J-55 tbg  
BP, MA jt, 4' perf sub, 2.875"x2.75"x18"x22' TWE-DV  
Pump w/ 2"x12' diptube, 83jts tbg, 8'-6" subs, 1 jt.  
EOT=2,818'.  
  
**Rods 07/09/2013:**  
On/Off tool, 3 stabilizers, 4-1.25" sinker bars, 105-3/4" D  
rods, 8'-8"-4' ponies, and 26'-1.25" polished rod w/ liner.



Southern Energy Company

### San Juan 32-5 Unit NP 102 Rio Arriba County, NM

TD – 3,098 ft MD Mainbore  
TD – 4,762 ft MD Sidetrack Lateral

12 ¼" hole to 220'.  
Surface Csg: 5 jts 9 5/8" 36# lb/ft K-55  
Setting Depth: 220 ft kb

Cement  
150sx Class G (177 ft<sup>3</sup>)  
Circulated cement to surface

8 ¾" hole to 2,970'.  
Production Csg: 68 jts 7" 20# K-55  
Setting Depth: 2,970 ft

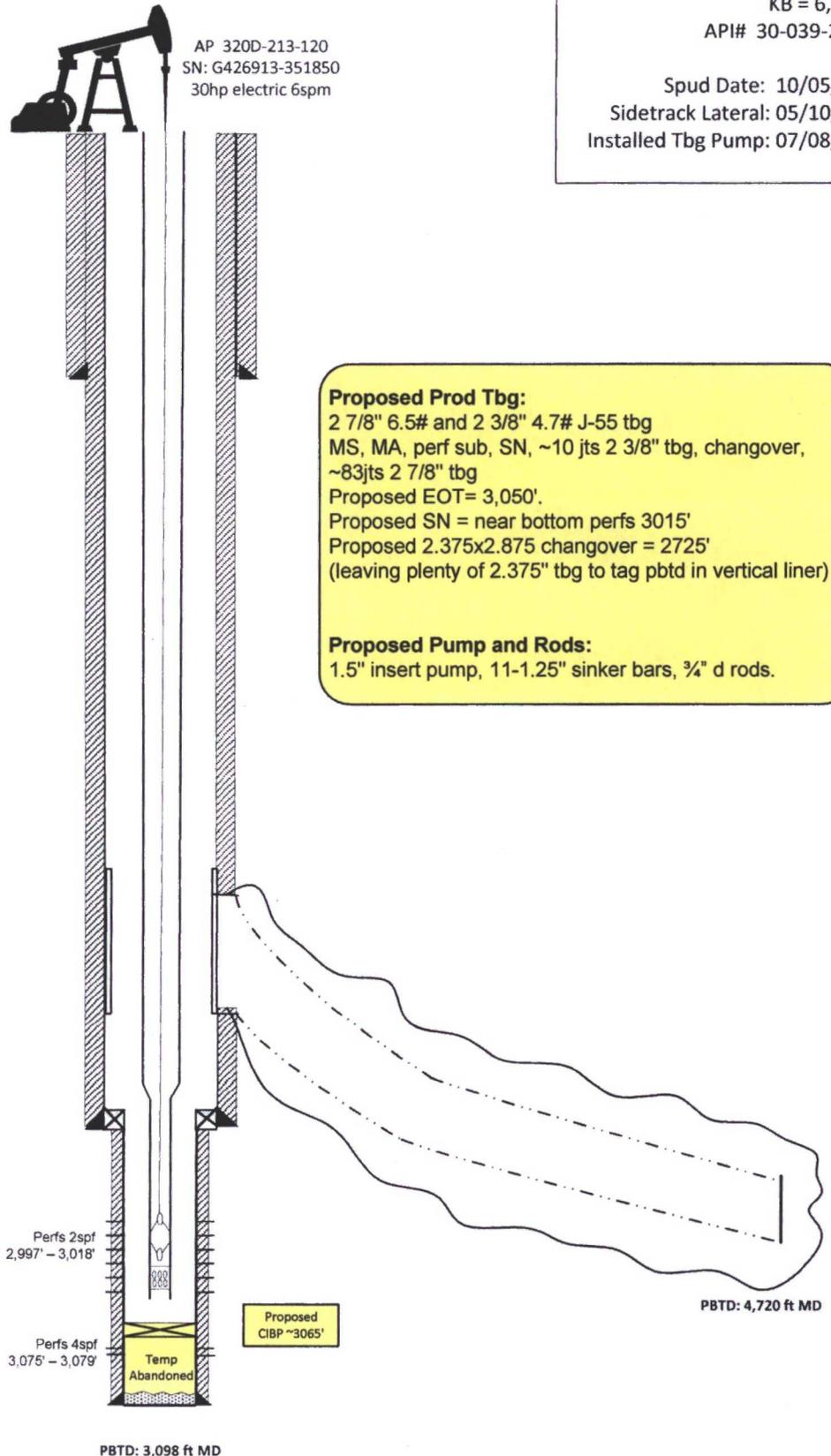
Cement  
Lead: 450sx 65/35 Class B.  
Tail: 100sx 50/50 Class B  
Total cement 990 ft<sup>3</sup>.  
Circulated 12 bbls cement to surface.

6 ¼" hole to 3,098 ft MD  
Liner Csg: 7 jts 4.5" 10.5# K-55  
Setting depth: 3,098 ft MD  
Liner top: 2,820 ft MD (150' overlap in 7")  
Perfs: 2spf 2997'-3018'; 4spf 3075'-3079'

Cement  
Lead: 25sx Class B 65/35  
Tail: 75sx Class B  
Total cement 137 ft<sup>3</sup>.  
Reverse circulated 8 bbls cmt to surface.

Mill Window: 2,765 ft – 2,784 ft  
6 ¼" lateral hole to 4,762 ft MD  
Liner Csg: 4.5" 11.6# J-55 LT&C preperf'd liner  
Setting Depth (PBTD): 4,720 ft MD.  
Top of Liner: 2,758 ft MD (Baker Hook Hanger)  
Perfs 8spf, 0.50" 12,448 holes: 3,078 ft – 4,634 ft

Frac Fruitland Coal 11/1988  
2,997' – 3,079'  
86,310 gal fluid  
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KB = 13 ft  
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KB = 6,370 ft  
API# 30-039-24295  
  
Spud Date: 10/05/1988  
Sidetrack Lateral: 05/10/2010  
Installed Tbg Pump: 07/08/2013

**Proposed Prod Tbg:**  
2 7/8" 6.5# and 2 3/8" 4.7# J-55 tbg  
MS, MA, perf sub, SN, ~10 jts 2 3/8" tbg, changover,  
~83jts 2 7/8" tbg  
Proposed EOT= 3,050'.  
Proposed SN = near bottom perfs 3015'  
Proposed 2.375x2.875 changover = 2725'  
(leaving plenty of 2.375" tbg to tag pbtd in vertical liner)

**Proposed Pump and Rods:**  
1.5" insert pump, 11-1.25" sinker bars, ¾" d rods.

Proposed  
CIBP ~3065'

PBTD: 4,720 ft MD

PBTD: 3,098 ft MD