

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. 30-045-29950
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-11242-47
7. Lease Name or Unit Agreement Name WF State 16
8. Well Number 2
9. OGRID Number 372171
10. Pool name or Wildcat Basin FC/Harper Hill Fruitland Sand PC

<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 HILCORP ENERGY COMPANY	
3. Address of Operator 382 Road 3100, Aztec, NM 87410	
4. Well Location Unit Letter <u>B</u> : <u>900</u> feet from the <u>N</u> line and <u>1745</u> feet from the <u>E</u> line Section <u>16</u> Township <u>30N</u> Range <u>14W</u> NMPM San Juan County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5710'	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input checked="" 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.

Hilcorp Energy Company requests permission to P&A the subject well per the attached procedures, current and proposed wellbore schematics. A closed loop system will be used.

Spud Date:

Rig Release Date:

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

SIGNATURE Kandis Roland TITLE Operations/Regulatory Technician – Sr. DATE 12/17/21

Type or print name Kandis Roland E-mail address: kroland@hilcorp.com PHONE: 713-757-5246

**For State Use Only**

APPROVED BY: [Signature] TITLE Petroleum Specialist DATE 12/27/2021

Conditions of Approval (if any):



## P&A Procedure

General Information			
<b>Well Name</b>	WF State 16 #2	<b>Date:</b>	12/17/2021
<b>API:</b>	30-045-29950	<b>AFE #</b>	
<b>Field:</b>	San Juan	<b>County</b>	San Juan
<b>Status:</b>	Well is ACOI		
<b>Subject:</b>	Permanently P&A wellbore		
<b>By:</b>	M. Wissing		

### Well Data

Surface Casing: 7" 20# J-55 at 136'

Production Casing: 4-1/2" K-55 10.5# at 1,417'

Production Tubing: 2-3/8" J-55 4.7# at 1,332'

Current Perforations: 1,274'-1,282' & 1,292'-1,300'

Current PBTD: 1,375' (cement plug)

SICP = 15 psig

Notes: Possible hole in tubing; tubing went into vacuum when water was pumped from surface.

*Hold PJSM prior to begin all operations. Properly document all operations via the JSA process. Ensure that all personnel onsite abide by HEC safety protocol, including PPE, housekeeping, and standard guidelines. Verify cathodic protection is off and wellhead instrumentation is properly disconnected from the wellhead. Comply with all NMOCD and HEC safety and environmental regulations. Verify there is no H2S present prior to beginning operations. If any H2S is present, take the necessary actions to ensure that the location is safe prior to beginning operations. Observe and record pressures across all strings daily, prior to beginning operations.*

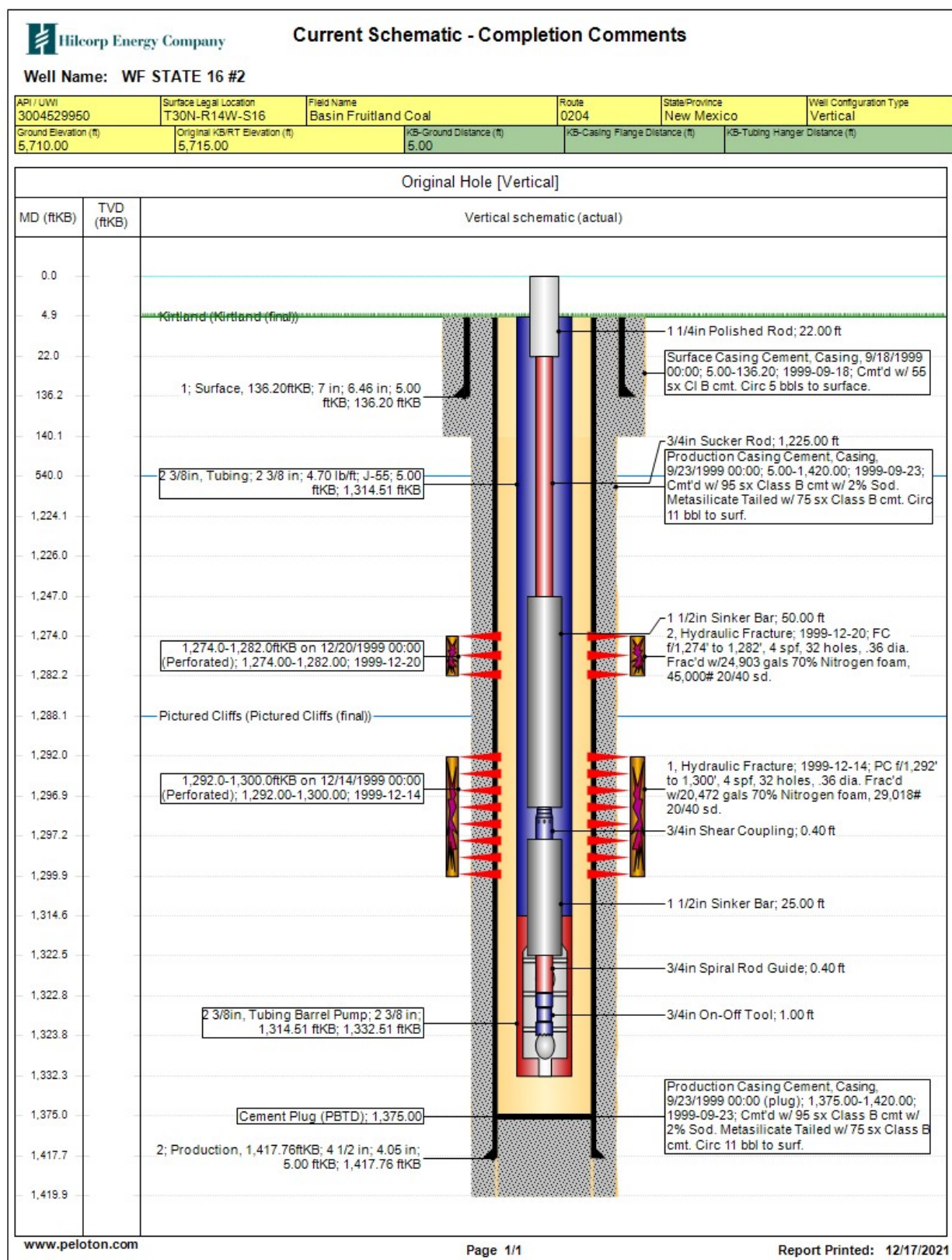
**Remember to notify NMOCD 24 hours prior to starting operations on location.**

**This procedure is contingent upon P&A sundry approval by the NMOCD.**

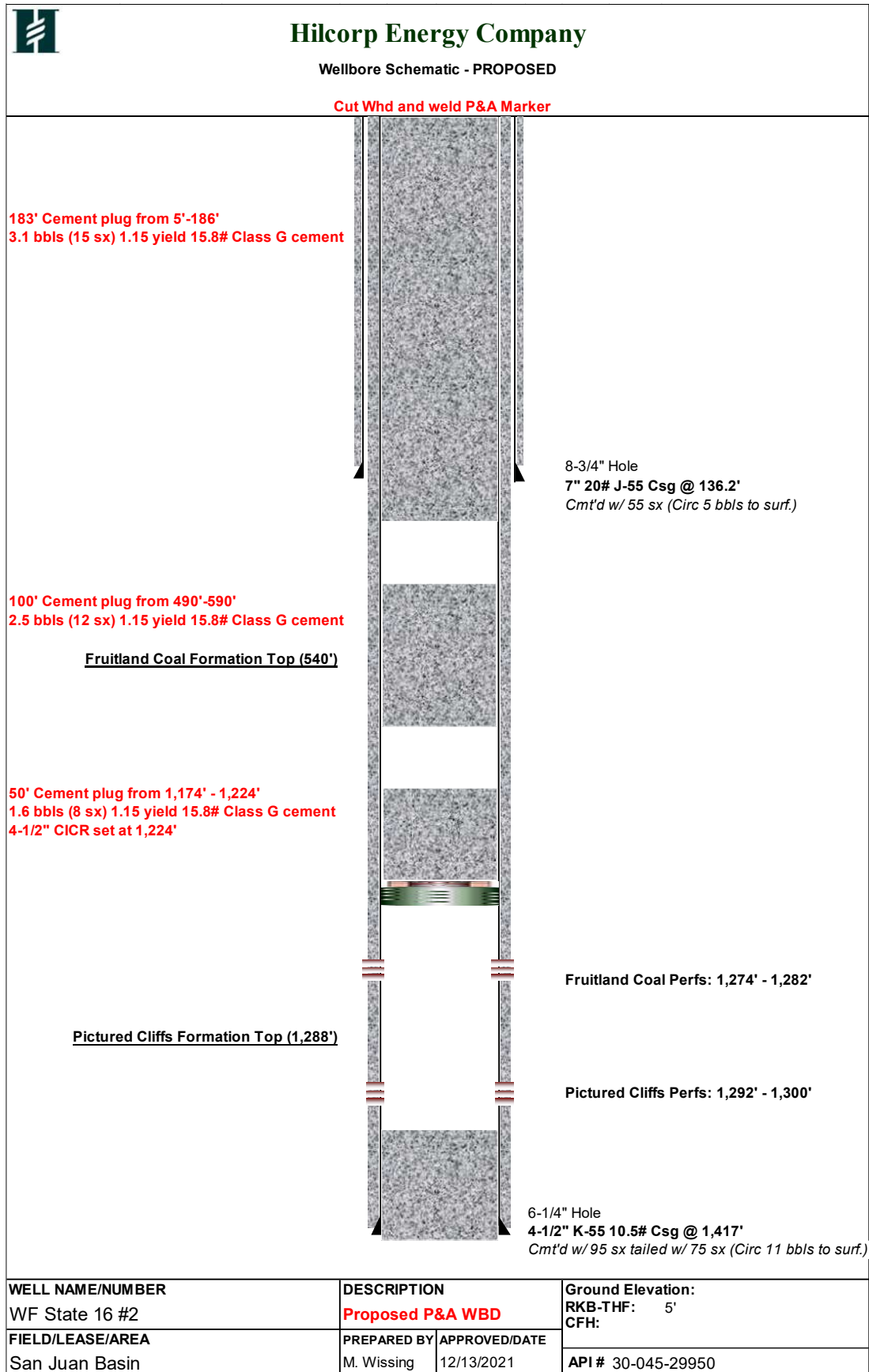
## P&amp;A Rig Procedure

1. MIRU P&A rig and equipment. Record pressures on all strings.
2. Unseat rods and POOH with rod string & rod pump. NU BOP & test. TOOH with production tbg.
3. RIH with 4.5" casing scraper to +/- 1,235'.
4. MU 4.5" CICR and RIH. Set CICR at 1,224'
  - a. **Top Fruitland Coal perf at 1,274'.**
5. Load wellbore with KCl water and circulate wellbore clean. Pressure test the casing to 500 psi to verify wellbore integrity and plug set.
6. **Plug #1 (Fruitland Coal Perfs):** RU cementers and pump a 50' balanced cmt plug inside the 4-1/2" csg from 1,174' – 1,224', using 1.6 bbls (8 sx) of 15.8+ ppg Class G cmt.
7. TOOH with tbg to 590'.
8. **Plug #2 (Fruitland Coal Formation top at 840'):** RU cementers and pump a 100' balanced cmt plug inside the 4-1/2" csg from 490' – 590', using 2.5 bbls (12 sx) of 15.8+ ppg Class G cmt.
9. TOOH with tbg to 186'.
10. **Plug #3 (Surface Casing at 136'):** RU cementers and pump a 183' balanced cmt plug from Surface – 186' inside the 4-1/2" using 3.1 bbls (15 sx) of 15.8 ppg Class G cmt.
11. WOC 4 hrs. Verify all pressures on all strings at 0 psi.
12. ND BOP. Tag cmt and top off wellbore as needed. Cutoff wellhead at surface and weld P&A marker.
13. RDMO P&A rig.

## Current Wellbore Schematic



## Proposed P&A Wellbore Schematic



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**State of New Mexico**  
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**Oil Conservation Division**  
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**Santa Fe, NM 87505**

CONDITIONS

Action 67855

**CONDITIONS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 67855
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

**CONDITIONS**

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	12/27/2021