

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

<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.)		WELL API NO. 30-045-05828
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Hilcorp Energy Company		6. State Oil & Gas Lease No. B-10894-6
3. Address of Operator 382 Road 3100, Aztec, NM 87410		7. Lease Name or Unit Agreement Name Huerfano Unit Com
4. Well Location Unit Letter <u>P</u> : <u>990</u> feet from the <u>South</u> line and <u>990</u> feet from the <u>East</u> line Section <u>16</u> Township <u>26N</u> Range <u>9W</u> NMPM County <u>San Juan</u>		8. Well Number <u>98</u>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6355' GL		9. OGRID Number 372171
		10. Pool name or Wildcat Ballard Pictured Cliffs

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"/>		OTHER: <input type="checkbox"/>	
CLOSED-LOOP SYSTEM <input type="checkbox"/>			
OTHER: <input type="checkbox"/>	RECOMPLETE <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 1/26/2023

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 1/27/2023  
 Conditions of Approval (if any):

## Hilcorp Energy Company

### Proposed P&A Procedure

Well: Huerfano Unit Com #98

API: 30-045-05828

Date: 1/26/2023

Engr: M Wissing

Surface: State

Wellbore		Wt #	ID	Bottom (ft)	Bbl/ft	Drill Bit
SPUD	11/25/1957					
KB (ft)	10					
Surface Casing	8-5/8"	24 #	8.1	129'	0.06370	12-1/4"
Production Casing	5-1/2"	15.5#	4.95	2,090'	0.02379	7-7/8"
Csg x Open hole	7.875 X 5.5	-	-	-	0.03090	
Csg Annular	8.1 X 5.5	-	-	-	0.03440	
Tubing	1.9" (1/1999)	2.9#	60 jts	2,018'		
PBTD	2,046'					

### Cement

Type	Class G	
Yield	1.15	Bbl/sx
Water	5	Gal/sx
Weight	15.8	PPG
Total Job Cmt	135	SX
Total Cmt Water	675	Gal
Csg Vol Water	46.3	Bbl

Lift Type: intermittent

SITP/ SICP: 20 psi / 20 psi (6.1.21)

Historic Braden Head Pressure: 0 psi

Rig History: last tbg swap was PC re-frac in 1999

Slickline: swabbed well but got no fluid (date?)

CBL Logs: none (temp log only)

## Hilcorp Energy Company

### Proposed P&A Procedure

P&A Cement: All cement plugs include a 50 ft excess volume. Due to SJ Basin cement resource limitations, either Type III (6.64 gal/sx, 1.37 yld, 14.8#) or Type 2/5 (6.041 gal/sx, 1.27 yld, 15#) cement might be used at any point during the P&A project.

#### RIG P&A PROCEDURE:

- 1) Verify all wellhead valves are operatable and location is accessible for P&A rig.
  - a. Wellhead on same pad as Huerfano Unit Com #133E.
- 2) RU slickline and attempt to clear the 1.9" tbg string.
- 3) Move onto well location. Check well pressures on all casing strings and record (daily). Check well for H<sub>2</sub>S and blow down well as necessary.
- 4) RD wellhead and RU BOPs. Function test BOP 1.9" pipe and blind rams.
- 5) TOOH and LD with 1.9" production tbg.
- 6) Swap pipe rams to 2-3/8" on BOP.
- 7) MU 2-3/8" work string with 5-1/2" csg scraper and RIH to 1,950'. POOH.
- 8) MU 5-1/2" CICR (4.375" ID) and RIH. Set CICR at 1,946'.
- 9) Load casing with water and pressure test csg to 550 psi to verify integrity.
- 10) String out of CICR and LD work string.
- 11) RU E-line and RIH with CBL tools. Log entire wellbore and review results with NMOCD.
  - a. Adjust P&A cement plugs based on log results.
- 12) RIH with work string to CICR.
- 13) PLUG #1 (PC TOP @ 1,928'; PC top perf @ 1,996', FRC TOP @ 1,748')
  - a. Pump a 298' cement balanced plug from 1,648'- 1,946' with 35 SXS, 7.2 BBLS of Class G, 1.15 yld, 15.8# cement inside the 5-1/2" csg.
- 14) TOOH with tbg to 1,306'.
- 15) PLUG #2 (OJO TOP @ 1,078', KIRTLAND TOP @ 1,256')
  - a. Pump a 328' cement balanced plug from 978'- 1,306' with 39 SXS, 8.0 BBLS of Class G, 1.15 yld, 15.8# cement inside the 5-1/2" csg.
- 16) TOOH with tbg.
- 17) RU E-line and perf 5-1/2" csg at 179'. Attempt circulation rate with perfs to surface.
- 18) PLUG #3 (CSG SHOE @ 129')
  - a. Circulate a 169' cement plug from 10'-179' with 49 SXS, 10 BBLS of Class G, 1.15 yld, 15.8# cement inside the 5-1/2" csg and 8-5/8" x 5-1/2" csg annulus.
- 19) N/D BOPE.
- 20) Cut off wellhead.
- 21) Check marker joint for correct well information and weld on P&A well marker.
- 22) Top off all casing strings and whd cellar with 12+/- sx of cement.
- 23) Release rig.

# Hilcorp Energy Company

## Proposed P&A Procedure

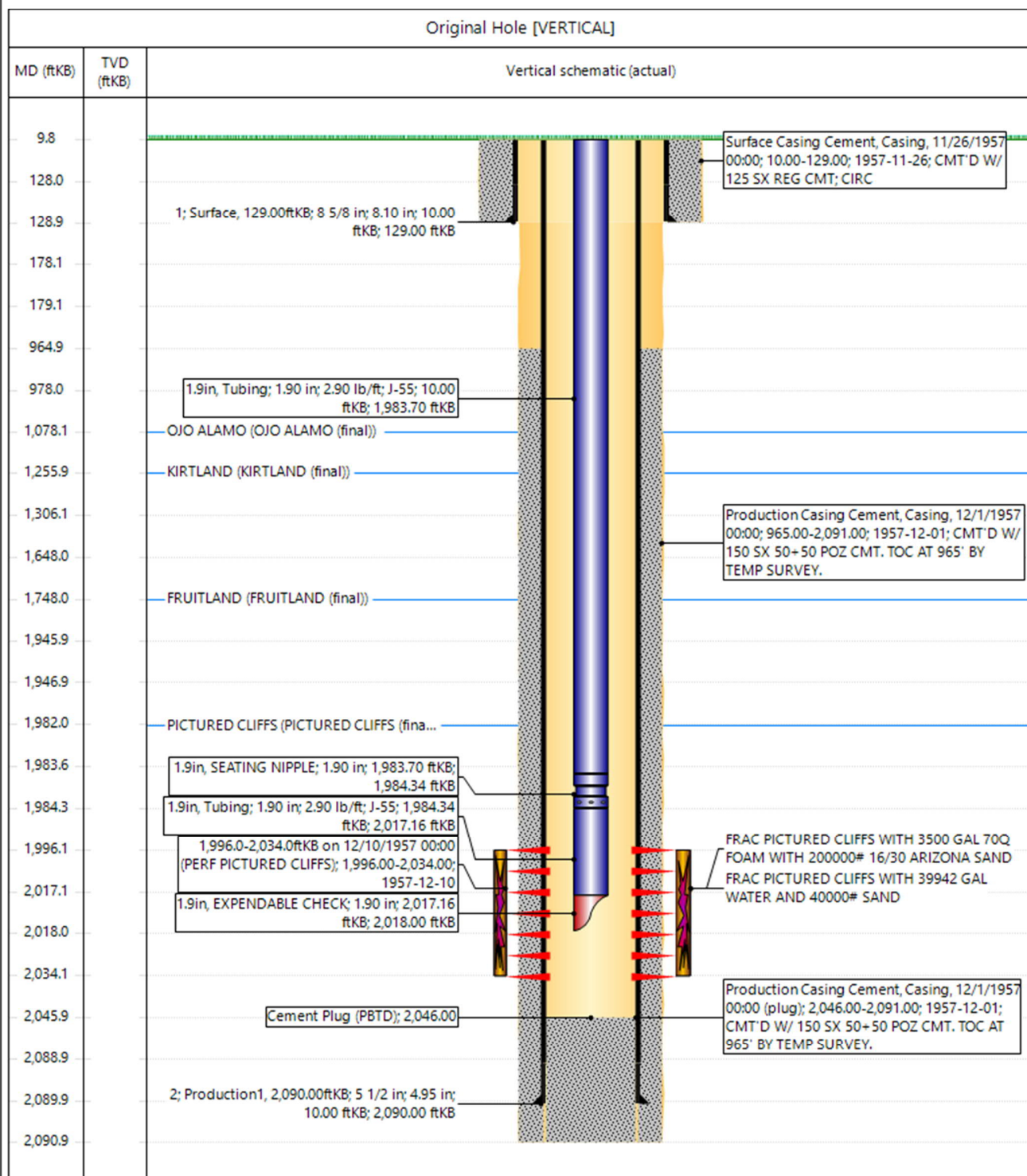


Hilcorp Energy Company

## Current Schematic - Completion Comments

Well Name: HUERFANO UNIT COM #98

API / UWI 3004505828	Surface Legal Location 016-026N-009W-P	Field Name BALLARD PICTURED CLIFFS #0060	Route 0907	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,355.00	Original KB/RT Elevation (ft) 6,365.00	KB-Ground Distance (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	



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# Hilcorp Energy Company

## Proposed P&A Procedure



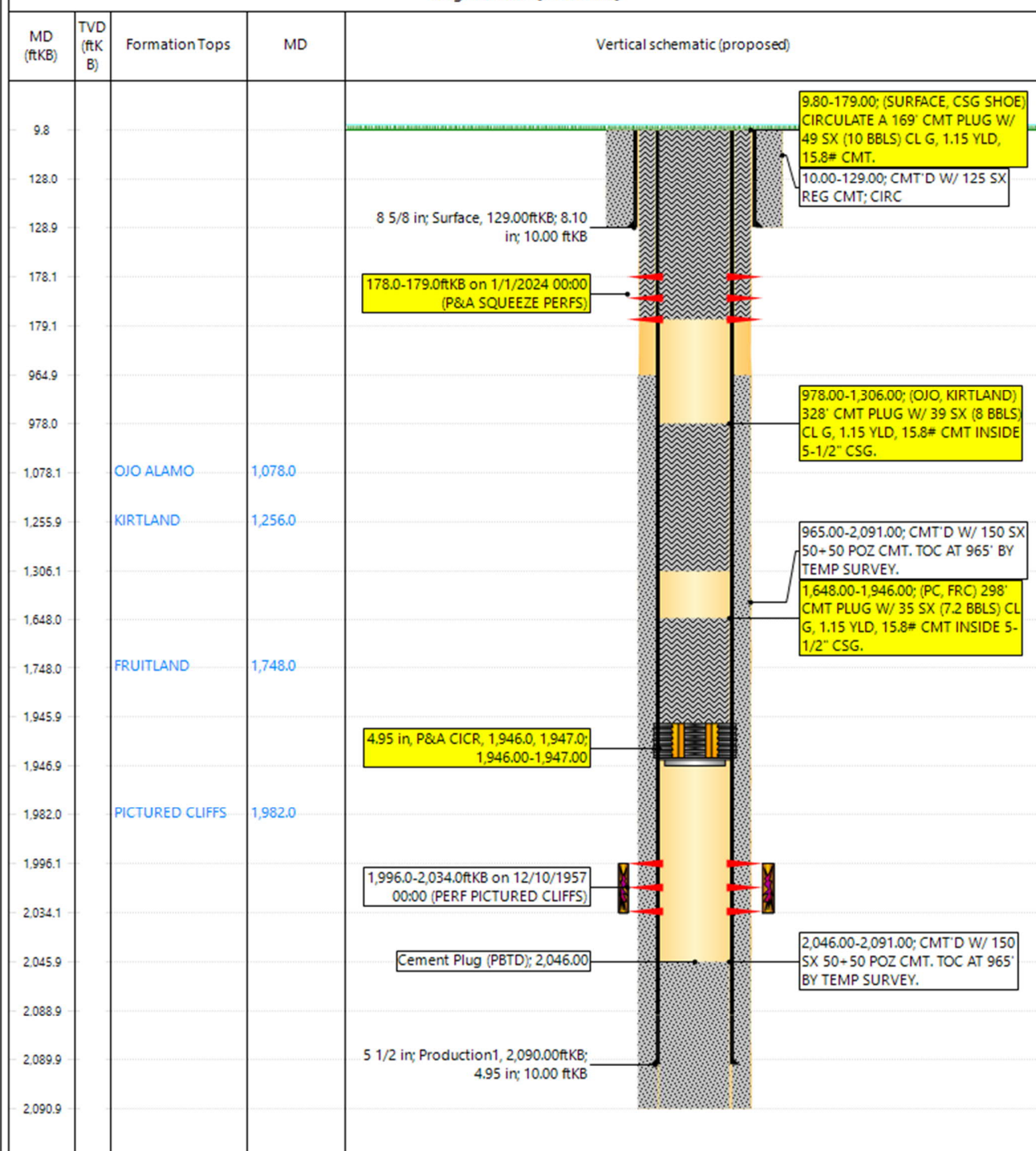
Hilcorp Energy Company

### P&A Proposed Schematic

Well Name: HUERFANO UNIT COM #98

API / UWI 3004505828	Surface Legal Location 016-026N-009W-P	Field Name BALLARD PICTURED CLIFFS #0060	Route 0907	State/Province NEW MEXICO	Well Configuration Type VERTICAL
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#### Original Hole [VERTICAL]



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State of New Mexico  
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CONDITIONS

Action 179951

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 179951
	Action Type: [C-103] NOI Plug & Abandon (C-103F)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Notify NMOCD 24 hours prior to beginning operations.	1/30/2023