

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. 30-045-05861
5. Indicate Type of Lease STATE [X] FEE []
6. State Oil & Gas Lease No. B-10894-6
7. Lease Name or Unit Agreement Name Huerfano Unit Com
8. Well Number 97
9. OGRID Number 372171
10. Pool name or Wildcat Ballard Pictured Cliffs
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6384' 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 [X] Other []
2. Name of Operator Hilcorp Energy Company
3. Address of Operator 382 Road 3100, Aztec, NM 87410
4. Well Location Unit Letter F : 1650 feet from the North line and 1650 feet from the West line
Section 16 Township 26N Range 9W NMPM County San Juan

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

NOTICE OF INTENTION TO:
PERFORM REMEDIAL WORK [] PLUG AND ABANDON [X]
TEMPORARILY ABANDON [] CHANGE PLANS []
PULL OR ALTER CASING [] MULTIPLE COMPL []
DOWNHOLE COMMINGLE []
CLOSED-LOOP SYSTEM []
OTHER: [] RECOMPLETE []
SUBSEQUENT REPORT OF:
REMEDIAL WORK [] ALTERING CASING []
COMMENCE DRILLING OPNS. [] P AND A []
CASING/CEMENT JOB []
OTHER: []

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 1/23/2023

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

For State Use Only

APPROVED BY: TITLE DATE

Conditions of Approval (if any):

Hilcorp Energy Company

Proposed P&A Procedure

Well: Huerfano Unit Com #97

API: 30-045-05861

Date: 1/23/2023

Engr: M Wissing

Surface: State

Wellbore		Wt #	ID	Bottom (ft)	Bbl/ft	Drill Bit
SPUD	12/1/1957					
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	2,148'	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	2-3/8" (1/2016)	4.6#	66 jts	2,057'		
PBTD	2,100 ft					

Cement

Type	Class G	
Yield	1.15	Bbl/sx
Water	5	Gal/sx
Weight	15.8	PPG
Total Job Cmt	129	SX
Total Cmt Water	645	Gal
Csg Vol Water	47.1	Bbl

Lift Type: Plunger lift

Historic Braden Head Pressure: 0 psi

Rig History: low fill history, last tbg swap in 2016

Slickline: swab in 6/18 & SL in 2/16

CBL Logs: none (temp log only)

Hilcorp Energy Company

Proposed P&A Procedure

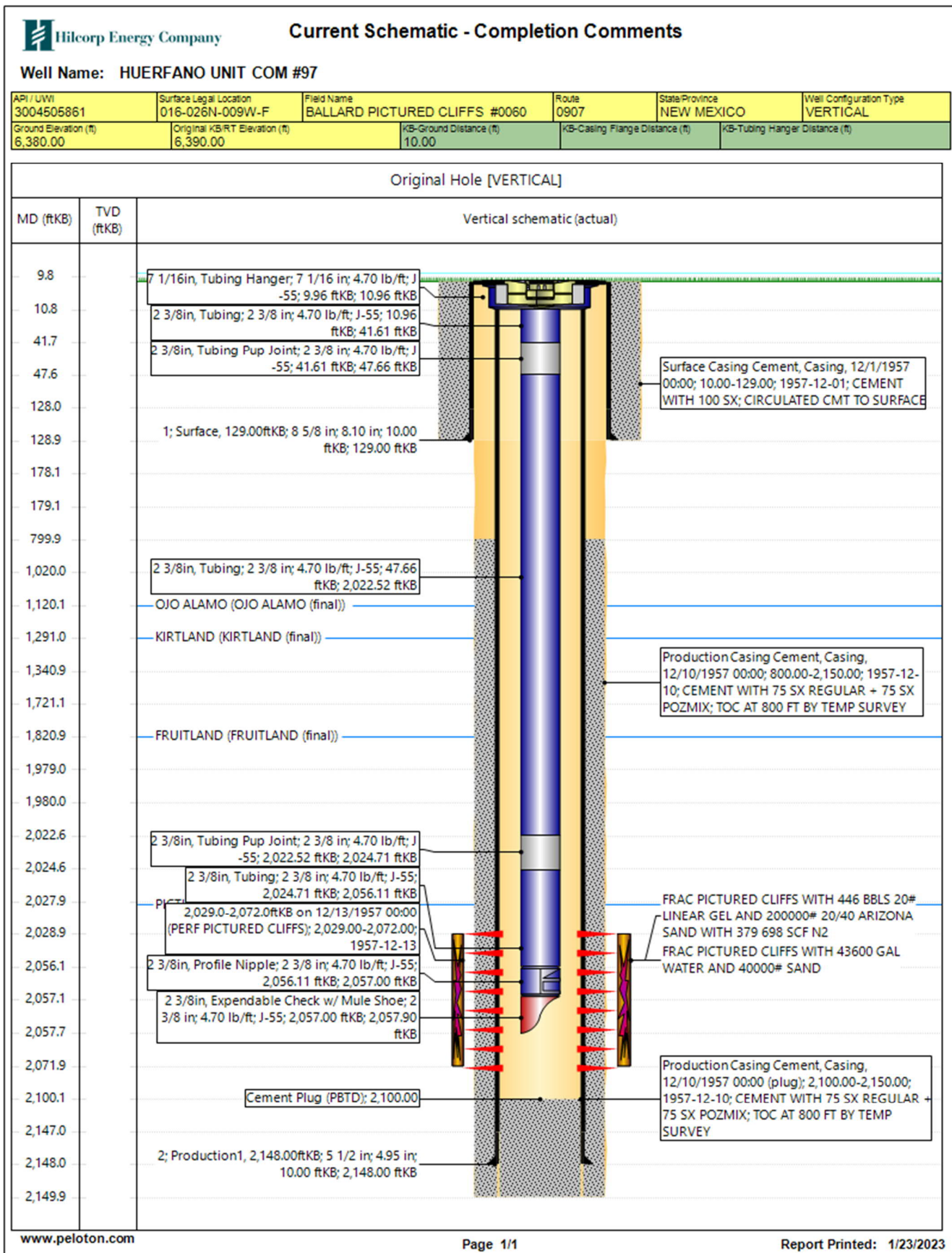
P&A Cement: All cement plugs include a 50 ft excess volume. Due to SJ Basin cement resource limitations, either Type III (6.64 gal/sx, 1.37 yld, 14.8#) or Type 2/5 (6.041 gal/sx, 1.27 yld, 15#) cement might be used at any point during the P&A project.

RIG P&A PROCEDURE:

- 1) Verify all wellhead valves are operatable.
- 2) RU slickline and attempt to clear both 2-3/8" tbg string.
 - a. Well on plunger lift.
- 3) Move onto well location. Check well pressures on all casing strings and record (daily). Check well for H₂S and blow down well as necessary.
- 4) RD wellhead and RU BOPs. Function test BOP 2-3/8" pipe and blind rams.
- 5) TOOH and LD with 2-3/8" production tbg.
- 6) MU 2-3/8" work string with 5-1/2" csg scraper and RIH to 2,000'. POOH.
- 7) MU 5-1/2" CICR (4.375" ID) and RIH. Set CICR at 1,979'.
- 8) Load casing with water and pressure test csg to 550 psi to verify integrity.
- 9) String out of CICR and LD work string.
- 10) RU E-line and RUH with CBL tools. Log entire wellbore and review results with NMOCD.
- 11) RIH with work string to CICR.
- 12) PLUG #1 (PC TOP @ 2,028'; PC top perf @ 2,029', FRC TOP @ 1,821')
 - a. Pump a 258' cement balanced plug from 1,721'- 1,979' with 30 SXS, 6.1 BBLS of Class G, 1.15 yld, 15.8# cement inside the 5-1/2" csg.
- 13) TOOH with tbg to 1,341'.
- 14) PLUG #2 (OJO TOP @ 1,120', KIRTLAND TOP @ 1,291')
 - a. Pump a 321' cement balanced plug from 1,020'- 1,341' with 38 SXS, 7.8 BBLS of Class G, 1.15 yld, 15.8# cement inside the 5-1/2" csg.
- 15) TOOH with tbg.
- 16) RU E-line and perf 5-1/2" csg at 179'. Attempt circulation rate with perfs to surface.
- 17) 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" annulus.
- 18) N/D BOPE.
- 19) Cut off wellhead.
- 20) Check marker joint for correct well information and weld on P&A well marker.
- 21) Top off all casing strings and whd cellar with 12+/- sx of cement.
- 22) Release rig.

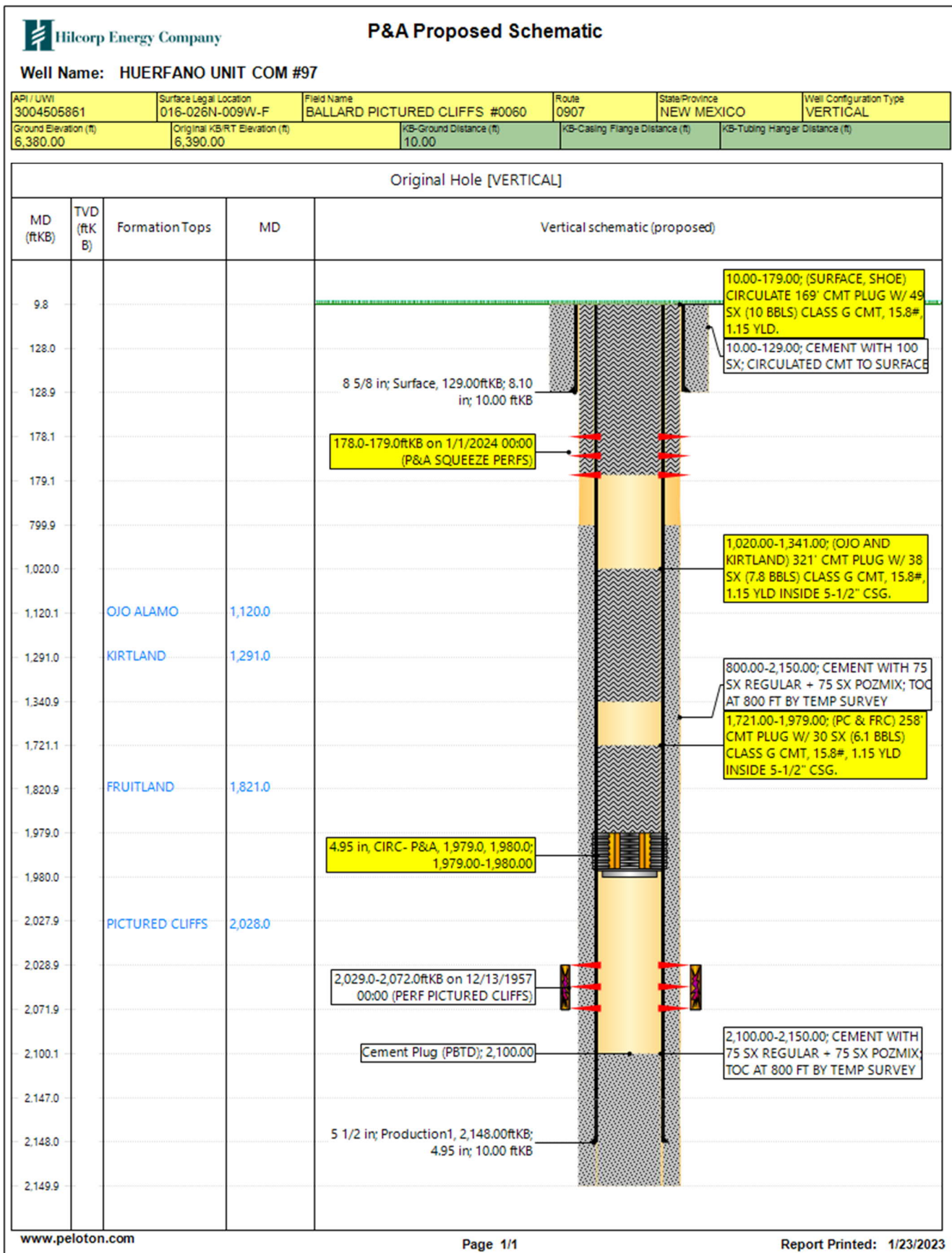
Hilcorp Energy Company

Proposed P&A Procedure



Hilcorp Energy Company

Proposed P&A Procedure



District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 178427

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171 Action Number: 178427 Action Type: [C-103] NOI Plug & Abandon (C-103F)
--	---

CONDITIONS

Created By	Condition	Condition Date
kpickford	CBL required	1/25/2023
kpickford	Notify NMOCD 24 Hours Prior to beginning operations	1/25/2023