

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: FULLERTON FEDERAL

Well Location: T27N / R11W / SEC 13 / NESE / 36.57257 / -107.94907

County or Parish/State: SAN JUAN / NM

Well Number: 10

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF078094

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004506490

Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2814195

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 09/27/2024

Time Sundry Submitted: 12:33

Date Operation Actually Began: 09/13/2024

Actual Procedure: Hilcorp Energy has plugged and abandoned the subject well on 9/26/2024 per the attached daily report.

SR Attachments

Actual Procedure

Fullerton_Federal_10_SR_P_A_BLM_Submitted_20240927123236.pdf

Well Name: FULLERTON FEDERAL

Well Location: T27N / R11W / SEC 13 /
NESE / 36.57257 / -107.94907County or Parish/State: SAN
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WELL

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Unit or CA Name:

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US Well Number: 3004506490

Operator: HILCORP ENERGY
COMPANY**Operator**

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: PRISCILLA SHORTY

Signed on: SEP 27, 2024 12:32 PM

Name: HILCORP ENERGY COMPANY

Title: Regulatory Technician

Street Address: 382 ROAD 3100

City: AZTEC

State: NM

Phone: (505) 324-5188

Email address: PSHORTY@HILCORP.COM

Field

Representative Name:

Street Address:

City:

State:

Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: MATTHEW H KADE

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647736

BLM POC Email Address: MKADE@BLM.GOV

Disposition: Accepted

Disposition Date: 10/01/2024

Signature: Matthew Kade

FULLERTON FEDERAL 10

30.045.06490

PLUG AND ABANDONMENT

7/9/2024 – HEC ENGINEER SENT AN EMAIL TO BLM AND NMOCD REQUESTING ADJUSTMENTS TO THE APPROVED PROCEDURE BASED ON THE COAs. BLM APPROVED THE ADJUSTMENTS. NMOCD REQUESTED THAT HEC GO IN OPEN ENDED TO GET CEMENT TO FISH AND TO EXTEND PC TOP PLUG 5 TO 1877'.

9/13/2024 – MIRU. CK PRESSURES. SITP 0 PSI, SICP 5 PSI, SIBHP 0 PSI, BDW 1 MIN. RIG UP. BDW. UNSEAT PUMP. L/D ROD STRING. L/D PUMP. PUMP STROKED FREELY. N/D WH. N/U BOP. R/U FLOOR. FT AND PT BOP (GOOD). L/D TBG STRING. SWAP OUT TUBING TRAILERS. P/U 3-7/8" TWISTER BIT. TALLY AND P/U TBG. EOT AT 1851'. SISW. SDFN.

9/16/2024 - CK PRESSURES. SITP 0 PSI, SICP 0 PSI, SIBHP 0 PSI, BDW 0 MIN. R/U POWER SWIVEL. P/U 2 JTS AND TAG CEMENT @ 1896'. BREAK CIRCULATION W/ AIR MIST. DRILL CEMENT FROM 1896' - 2101'. TALLY AND P/U TUBING. TAG @ 4005'. BREAK CIRCULATION W/ AIR MIST. C/O TO 4306'. WELL, MAKING HEAVY PARAFFIN. CLEAN UP WELL UNTIL RETURNS ARE GOOD. RACK SWIVEL. TOH W/ 80 JTS. LEAVE EOT @ 1790'. SISW. SDFN.

9/17/2024 - CK PRESSURES. SITP 0 PSI, SICP 120 PSI, SIBHP 0 PSI, BDW 5 MIN. TIH W/ 80 JTS OUT OF DERRICK. R/U POWER SWIVEL. BREAK CIRCULATION W/ AIR MIST. CLEAN OUT FROM 4306' TO 4401'. TALLY AND P/U TUBING. TAG @ 6290'. MILL OUT OBSTRUCTION FROM 6290' – 6292'. P/U TUBING AND TAG @ 6409'. CLEAN UP WELL UNTIL RETURNS ARE GOOD. RACK SWIVEL. TOH W/ 50 JTS. LEAVE EOT @ 4746'. SISW. SDFN.

9/18/2024 - CK PRESSURES. SITP 0 PSI, SICP 100 PSI, SIBHP 0 PSI, BDW 5 MIN. TOH W/ 151 JTS OF TUBING. P/U 4-1/2" CICR. TIH TO 6339'. SET CICR. MOVE AIR UNIT OUT AND SPOT IN CEMENT EQUIP. ATTEMPT TO ESTABLISH INJECTION RATE (FAILED). LOAD HOLE (79 BBLS). **PUMP PLUG #1B 15 SX CLASS G 1.15 YIELD 15.8 PPG CMT. BOC @ 6339' - EST TOC @ 6142'.** TOH AND L/D SETTING TOOL. SISW. SDFN.

9/19/2024 - CK PRESSURES. SITP 0 PSI, SICP 0 PSI, SIBHP 0 PSI, BDW 0 MIN. P/U 2-3/8" TAG SUB. TIH AND **TAG PLUG #1 @ 5990'.** RIH AND TAG FLUID W/ SANDLINE. L/D TUBING TO NEXT PLUG DEPTH. EOT @ 5435'. RIH AND TAG FLUID LEVEL W/ SANDLINE. **HEC ENGINEER SENT BLM AND NMOCD AN EMAIL WITH UPDATES ON P&A ACTIVITY. DUE TO UNSUCCESSFUL INJECTION BELOW CICR @ 6339', HEC RECEIVED APPROVAL TO FOREGO PLUG #1A AND PROCEED WITH PLUG #1B. NMOCD AND BLM WAS GOOD WITH TOC @ 5990'. PUMP PLUG #2 - 16 SX GLASS G 1.15 YIELD 15.8 PPG - BOC @ 5435' - EST TOC @ 5225'.** TOH W/ TUBING. WOC. TIH AND **TAG PLUG #2 @ 5301'.** L/D 23 JTS. TOH W/ TBG. R/U TWG WIRELINE. RIH AND PERFORM CBL FROM 5300 TO 0'. R/D TWG WIRELINE. SISW. SDFN.

9/20/2024 - CK PRESSURES. SITP 0 PSI, SICP 0 PSI, SIBHP 0 PSI, BDW 0 MIN. RIH AND PERFORATE @ 4580'. P/U 4-1/2" CICR. TIH AND SET @ 4560'. ESTABLISH INJECTION RATE (FAILED). EOT @ 5435'. RIH AND TAG FLUID LEVEL W/ SANDLINE (900'). **BASED ON THE CBL, HEC ENGINEER RECEIVED VERBAL APPROVAL FROM BLM & NMOCD TO MAKE ADJUSTMENTS TO THE PROCEDURE. PUMP PLUG #3 - 16 SX CLASS G 1.15 YIELD 15.8 PPG - BOC @ 4560' - EST TOC @ 4370'.** TOH W/ TUBING. WOC. TIH AND **TAG PLUG #3 @ 4391'.** L/D 39 JTS. RIH AND TAG FLUID LEVEL W/ SANDLINE (900'). **PUMP PLUG #4 - 16 SX CLASS G 1.15 YIELD 15.8 PPG - BOC @ 3165' - EST TOC @ 2965'.** TOH W/ TUBING. SISW. SDFWE.

FULLERTON FEDERAL 10

30.045.06490

PLUG AND ABANDONMENT

9/23/2024 - CK PRESSURES. SITP 0 PSI, SICP 0 PSI, SIBHP 0 PSI, BDW 0 MIN. P/U TAG SUB. TIH W/ TUBING AND **TAG PLUG #4 @ 2971'**. TOH AND L/D TAG SUB. R/U TWG WIRELINE. RIH AND PERFORATE @ 2770'. P/U 4-1/2" CICR. TIH AND SET @ 2740'. ESTABLISH INJECTION RATE. **PUMP PLUG #5 – 43 SX CLASS G 1.15 YIELD 15.8 PPG BELOW CICR (EST BOC @ 2,770' & EST TOC @ 2,570' ON OUTSIDE OF 4-1/2" CSG)**. STING OUT OF RETAINER. RIH AND TAG FLUID LEVEL W/ SANDLINE. FINISH **PUMPING PLUG #5 – 14 SX CLASS G 1.15 YIELD 15.8 PPG ON TOP OF CICR (EST BOC @ 2,770' & EST TOC @ 2,556' ON INSIDE OF 4-1/2" CSG)**. TOH W/ TUBING. WOC. TIH AND TAG CICR @ 2740'. HEC ENGINEER RECEIVED VERBAL APPROVAL FROM BLM AND NMOC TO SET CICR @ 2715' AND **PUMP PLUG #5C W/ 12 SX BALANCED CEMENT PLUG INSIDE THE 4-1/2" CSG**. TOH AND L/D TAG SUB. TIH W/ 3-7/8" STRING MILL. P/U 3-7/8" CICR. TIH AND SET @ 2715. RIH AND TAG FLUID LEVEL W/ SANDLINE. **PUMP PLUG #5C - 24 SX CLASS G 1.15 YIELD 15.8 PPG - BOC @ 2715' - EST TOC @ 2400'**. TOH W/ TUBING. SISW. SDFN.

9/24/2024 - CK PRESSURES. SITP 0 PSI, SICP 0 PSI, SIBHP 0 PSI, BDW 0 MIN. P/U TAG SUB. TIH W/ TUBING AND **TAG PLUG #5 @ 2463'**. TOH AND L/D TAG SUB. P/U 4-1/2" CICR. TIH AND SET @ 1788'. ESTABLISH INJECTION RATE. **PUMP PLUG #6 – 7 SX BELOW CICR. STING OUT OF RETAINER. LOAD CASING W/ FRESH WATER. FINISH PUMPING PLUG #6 – 10 SX ON TOP OF CICR CLASS G 1.15 YIELD 15.8 PPG (17 SX TOTAL - BOC @ 1880' - EST TOC @ 1683')**. TOH W/ TUBING. WOC. TIH AND TAG PLUG #6 @ 1740'. TOH AND L/D TAG SUB. R/U TWG WIRELINE. RIH AND PERFORATE @ 1366'. P/U 4-1/2" CICR. TIH AND SET @ 1316'. **PUMP PLUG #7 - 44 SX CLASS G 1.15 YIELD 15.8 PPG - (EST BOC @ 1,366' & EST TOC @ 1,166' ON OUTSIDE OF 4-1/2" CASING; EST BOC @ 1,366' & EST TOC @ 1,316' ON INSIDE OF 4-1/2" CASING)**. FOUND SURFACE CASING HAD PRE-EXISTING HOLE 8" BELOW CELLAR WHILE PUMPING PLUG #7. TOH W/ TUBING. CLEAN OUT CELLAR W/ VAC TRUCK. DIAGNOSE WH ISSUES. SISW. SDFN.

9/25/2024 - CK PRESSURES. SITP 0 PSI, SICP 0 PSI, SIBHP 0 PSI, BDW 0 MIN. R/D FLOOR AND TONGS. CHECK FOR LEL ON SURFACE AND PRODUCTION CASING. INSTALL SLIP COLLAR ON 4-1/2" PRODUCTION CASING. BUILD PATCH AND FIX HOLE IN 8-5/8 SURFACE CASING. PSI TEST PROD CASING. TIH W/ TAG SUB. CONTINUE **PUMPING PLUG #7 - 64SX ON TOP OF CICR CLASS G 1.15 YIELD 15.8 PPG (BOC @ 1316' - EST TOC @ 473')**. PU TAG SUB. TIH TO 1316'. RU HEC CEMENT PACKAGE. LD 27 JTS. REVERSE CIRC WELL CLEAN @ 444'. TOH AND LD TAG SUB. SISW. SDFN.

9/26/2024 - CK PRESSURES. SITP 0 PSI, SICP 0 PSI, SIBHP 0 PSI, BDW 0 MIN. P/U TAG SUB. TIH AND **TAG PLUG #7B @ 510'**. TOH AND L/D TAG SUB. R/U TWG WIRELINE. RIH AND PERFORATE @ 297'. R/D TWG WIRELINE. ESTABLISH CIRCULATION. **PUMP PLUG #8 - 101 SX CLASS G 1.15 YIELD 15.8 PPG - BOC @ 297' - EST TOC @ 0' BOTH INSIDE & OUTSIDE 4-1/2" CASING**. WOC 4 HRS. ND BOP, CUT OFF WELLHEAD AND INSTALL P&A MARKER. TAG CEMENT @ 55' IN 4-1/2 CSG. TOP OFF CASING AND CELLAR W/ 26 SX. RD RR.

WELL WAS PLUGGED AND ABANDONED ON 9/26/2024.

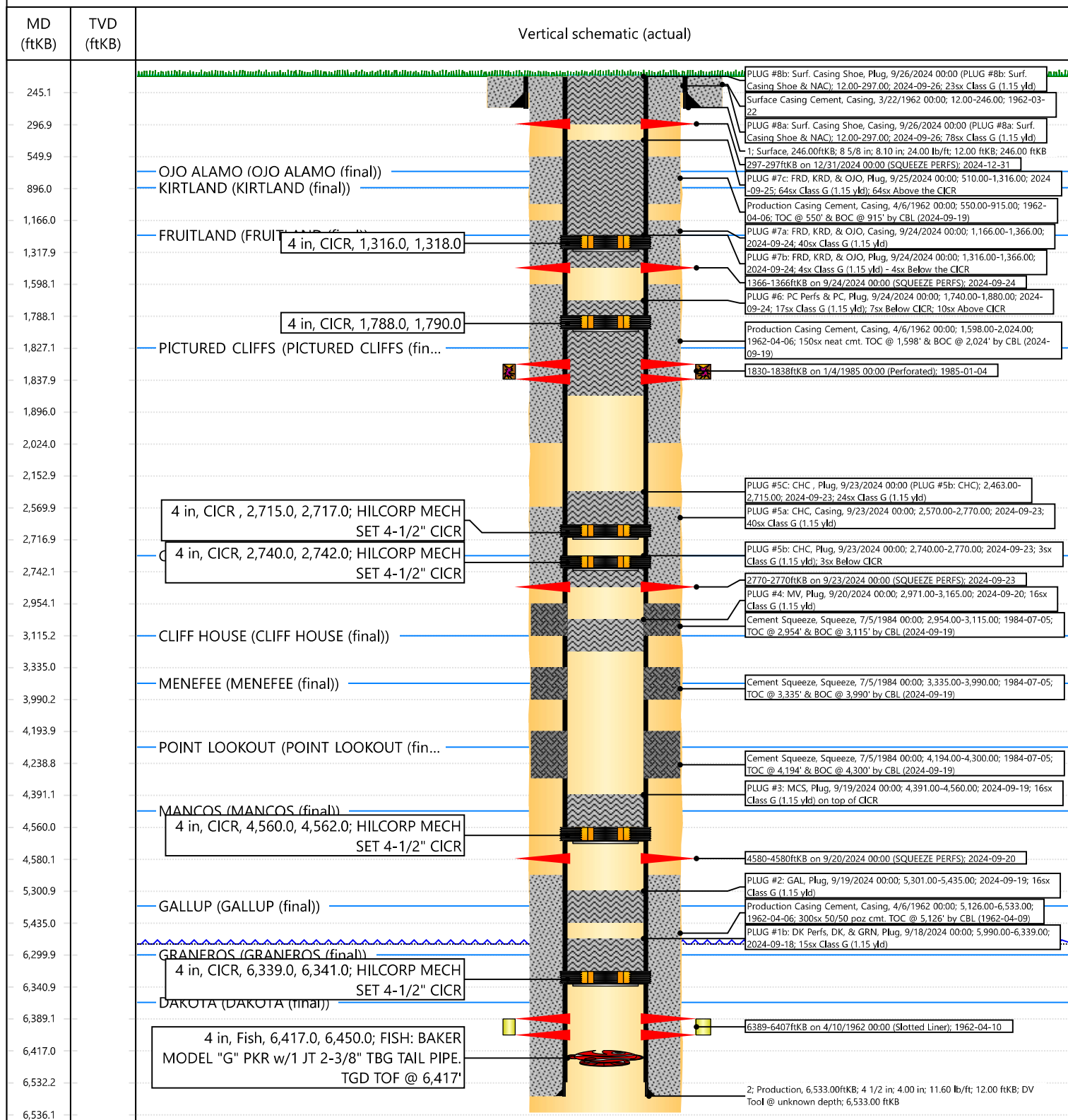


Current Schematic - Version 3

Well Name: FULLERTON FEDERAL #10

API / UWI 3004506490	Surface Legal Location T27N-R11W-S13	Field Name Kutz W Pictured Cliffs	Route 0604	State/Province New Mexico	Well Configuration Type Vertical
Ground Elevation (ft) 6,083.00	Original KB/RT Elevation (ft) 6,095.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
Tubing Strings					
Run Date 3/13/2007 00:00	Set Depth (ftKB) 1,880.39	String Max Nominal OD (in) 2 3/8	String Min Nominal ID (in) 2.00	Weight/Length (lb/ft) 4.70	Original Spud Date 3/22/1962 00:00

Original Hole [Vertical]



Priscilla Shorty

From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Monday, September 23, 2024 3:53 PM
To: Kuehling, Monica, EMNRD; John LaMond; Kade, Matthew H
Cc: Farmington Regulatory Techs; Clay Padgett; Lee Murphy; Rustin Mikeska; Matt Gustamantes - (C); Maestas, Joseph I
Subject: Re: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

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To confirm, the BLM finds the procedure appropriate.

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From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Monday, September 23, 2024 3:49:25 PM
To: John LaMond <jlamond@hilcorp.com>; Rennick, Kenneth G <krennick@blm.gov>; Kade, Matthew H <mkade@blm.gov>
Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>; Matt Gustamantes - (C) <Matt.Gustamantes@hilcorp.com>; Maestas, Joseph I <jimaestas@blm.gov>
Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

NMOCD approves below with prior approval from the BLM

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District
Office Phone: 505-334-6178 ext. 123
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Email - monica.kuehling@emnrd.nm.gov

From: John LaMond <jlamond@hilcorp.com>
Sent: Monday, September 23, 2024 3:29 PM
To: Rennick, Kenneth G <krennick@blm.gov>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kade, Matthew H <mkade@blm.gov>
Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>; Matt Gustamantes - (C)

<Matt.Gustamantes@hilcorp.com>; Maestas, Joseph I <jimaestas@blm.gov>; John LaMond <jlamond@hilcorp.com>

Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

Good afternoon Kenny and Monica,

Per our discussion, with respect to PLUG #5, Hilcorp perforated @ 2,770' & set a 4-1/2" CICR @ 2,740' as planned. Hilcorp then successfully pumped 43sx beneath the CICR. After stinging out of the CICR, a balanced plug was pumped on top of the CICR. After WOC, Hilcorp RIH and did not tag cement.

Moving forward, Hilcorp received verbal approval from the NMOCD & BLM for the following adjustments to the previously approved procedure:

- **PLUG #5c: 12sx of Class G Cement (15.8 PPG, 1.15 yield); CHC Top @ 2,740':**
 - Set a 4-1/2" CICR @ 2,715'
 - Pump a 12 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 2,565'** & est. **BOC @ +/- 2,715'**). *Note cement plug lengths and volumes account for excess.
 - WOC & Tag
- All other plugs will be pumped as previously approved in the email chain below

Please let me know if you have any questions.

Thanks,

John LaMond

Operations Engineer – Technical Services

Hilcorp Energy Company

1111 Travis

Houston, TX 77002

346-237-2210 (Office)

832-754-9692 (Cell)

jlamond@hilcorp.com

From: Rennick, Kenneth G <krennick@blm.gov>

Sent: Friday, September 20, 2024 9:22 AM

To: John LaMond <jlamond@hilcorp.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kade, Matthew H <mkade@blm.gov>

Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>; Matt Gustamantes - (C) <Matt.Gustamantes@hilcorp.com>; Maestas, Joseph I <jimaestas@blm.gov>

Subject: Re: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

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To confirm, the BLM finds the updated procedure appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management
Farmington Field Office
6251 College Blvd
Farmington, NM 87402

Email: krennick@blm.gov

Mobile & Text: 505.497.0019

From: John LaMond <jlamond@hilcorp.com>

Sent: Friday, September 20, 2024 7:32 AM

To: Rennick, Kenneth G <krennick@blm.gov>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kade, Matthew H <mkade@blm.gov>

Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>; Matt Gustamantes - (C) <Matt.Gustamantes@hilcorp.com>; Maestas, Joseph I <jimaestas@blm.gov>; John LaMond <jlamond@hilcorp.com>

Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

Good morning Kenny and Monica,

Attached is the CBL that was run yesterday (2024-09-19).

Moving forward, Hilcorp received verbal approval from the BLM & NMOCD to make the following adjustments to the procedure:

- **PLUG #3: 52sx of Class G Cement (15.8 PPG, 1.15 yield); MCS Top @ 4,530':**
 - TIH & perforate squeeze holes @ +/- 4,580'. RIH w/ 4-1/2" CICR and set CICR @ +/- 4,560'. TIH w/ work string & sting into CICR. Establish injection.
 - Pump 40sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. TOC @ +/- 4,380' & est. BOC @ +/- 4,580'). Pump an additional 2sx of cement beneath the 4-1/2" CICR (est. TOC @ +/- 4,560' & est. BOC @ +/- 4,580'). Sting out of retainer, pump a 10 sack balanced cement plug on top of the CICR. (est. TOC @ +/- 4,430' & est. BOC @ +/- 4,560'). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
 - ***If Hilcorp is unable to establish injection below the CICR, Hilcorp received verbal approval from the BLM & NMOCD to forego pumping below the CICR and proceed with pumping 12sx on top of the CICR (150' cement plug).**
- **PLUG #4: 12sx of Class G Cement (15.8 PPG, 1.15 yield); MV Top @ 3,115':**
 - Pump a 12 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 3,015' & est. BOC @ +/- 3,165'). *Note cement plug lengths and volumes account for excess.
- **PLUG #5: 53sx of Class G Cement (15.8 PPG, 1.15 yield); CHC Top @ 2,740':**
 - TIH & perforate squeeze holes @ +/- 2,770'. RIH w/ 4-1/2" CICR and set CICR @ +/- 2,740'. TIH w/ work string & sting into CICR. Establish injection. ***Note that perfs are @ 2,770' to avoid cement stringers below that depth**
 - Pump 40sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. TOC @ +/- 2,570' & est. BOC @ +/- 2,770'). Pump an additional 3sx of cement beneath the 4-1/2" CICR (est. TOC @ +/- 2,740' & est. BOC @ +/- 2,770'). Sting out of retainer, pump a 10 sack balanced cement plug on top of the CICR. (est.

TOC @ +/- 2,620' & est. **BOC @ +/- 2,740'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.

- **PLUG #6: 15sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 1,830' | PC Top @ 1,827': (THIS PLUG DESIGN REMAINS UNCHANGED FROM PREVIOUSLY APPROVED DESIGN):**
 - Set a **4-1/2" CICR** at **+/- 1,788'** to isolate the PC Perfs.
 - Pump 7sx of cement beneath the 4-1/2" CICR (est. **TOC @ +/- 1,788'** & est. **BOC @ +/- 1,877'**). Sting out of the retainer; pump an 8 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 1,688'** & est. **BOC @ +/- 1,788'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess. ***Note that the cement volume pumped below the CICR @ 1,788' will be the equivalent amount to cover 50' below the PC top @ 1,827'.**
 - This plug design was provided both verbal and written approval by the BLM & NMCOD in July 2024.
- **PLUG #7: 106sx of Class G Cement (15.8 PPG, 1.15 yield); FRD Top @ 1,316' | KRD Top @ 896' | OJO Top @ 610':**
 - TIH & perforate squeeze holes @ **+/- 1,366'**. RIH w/ **4-1/2" CICR** and set CICR @ **+/- 1,316'**. TIH w/ work string & sting into CICR. Establish injection.
 - Pump 40sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 1,166'** & est. **BOC @ +/- 1,366'**). Pump an additional 4sx of cement beneath the 4-1/2" CICR (est. **TOC @ +/- 1,316'** & est. **BOC @ +/- 1,366'**). Sting out of retainer, pump a 62 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 510'** & est. **BOC @ +/- 1,316'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess..
- **PLUG #8: 87sx of Class G Cement (15.8 PPG, 1.15 yield); Surf. Casing Shoe @ 247': (THIS PLUG DESIGN REMAINS UNCHANGED FROM PREVIOUSLY APPROVED DESIGN):**
 - TOOH w/ work string. TIH and perforate squeeze holes @ **+/- 297'**. TIH with tubing/work string. Establish circulation.
 - Pump 10sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. **TOC @ +/- 247'** & est. **BOC @ +/- 297'**). Continue pumping 54sx of cement in the 4-1/2" casing X 8-5/8" casing annulus (est. **TOC @ +/- 0'** & est. **BOC @ +/- 247'**). Pump a 23 sack balanced cement plug inside the 4-1/2" casing (est. **TOC @ +/- 0'** & est. **BOC @ +/- 297'**). WOC for 4 hrs, tag TOC w/ work string.
 - **Please note that the CBL pulled out of fluid around 550'. This is above the OJO top which shows sufficient coverage. Moving forward, the NMCOD and BLM provided verbal approval to Hilcorp that instead of running another CBL from 550' to surface, we will perforate 50' below the surface shoe as planned and will attempt to circulate to surface. If we are unable to circulate to surface, Hilcorp will perforate at 100' and attempt to circulate to surface. If Hilcorp is unable to circulate to surface, we will RIH w/ polyline on the backside after pumping the inside plug to surface.**

Please let me know if you have any questions.

Thanks,

John LaMond

Operations Engineer – Technical Services

Hilcorp Energy Company

1111 Travis

Houston, TX 77002

346-237-2210 (Office)

832-754-9692 (Cell)

jlamond@hilcorp.com

From: Rennick, Kenneth G <krennick@blm.gov>

Sent: Thursday, September 19, 2024 9:49 AM

To: John LaMond <jlamond@hilcorp.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kade, Matthew H <mkade@blm.gov>
Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>; Matt Gustamantes - (C) <Matt.Gustamantes@hilcorp.com>; Maestas, Joseph I <jimaestas@blm.gov>
Subject: Re: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

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To confirm the BLM finds the procedure appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management
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Email: krennick@blm.gov
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From: John LaMond <jlamond@hilcorp.com>
Sent: Thursday, September 19, 2024 8:44 AM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>; Kade, Matthew H <mkade@blm.gov>
Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>; Matt Gustamantes - (C) <Matt.Gustamantes@hilcorp.com>; John LaMond <jlamond@hilcorp.com>
Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

Good morning Monica and Kenny,

Per our conversation, Hilcorp successfully milled out all plugs cement to the DK perms. We then set our CICR @ 6,339' as planned. Hilcorp then attempted to establish injection below the CICR @ 6,339', but were not successful. Per the approved procedure outlined below and through verbal approval with the NMOCD & BLM yesterday, Hilcorp was approved to forego PLUG #1a (below the CICR) and proceed with PLUG #1b (above the CICR). Prior to pumping PLUG #1b, we attempted to establish circulation up the production casing and we were successful. Therefore we began pumping our cement job, and pumped 3 extra sacks for a total of 15sx Class G (1.15 yld) with an Est. TOC @ ~6,139' & Est. BOC @ ~6,339'. After pumping 2/3 of the cement we lost circulation up the production casing. This morning we RIH and tagged the TOC @ 5,990'.

Moving forward, Hilcorp received verbal approval from the NMOCD and BLM (rep on location) that they are good with the TOC @ 5,990' and Hilcorp can proceed to pumping PLUG #2.

Please let me know if you have any questions.

Thanks,

John LaMond

Operations Engineer – Technical Services
Hilcorp Energy Company
1111 Travis
Houston, TX 77002
346-237-2210 (Office)
832-754-9692 (Cell)
jlamond@hilcorp.com

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Wednesday, July 17, 2024 10:18 AM
To: Rennick, Kenneth G <krennick@blm.gov>; John LaMond <jlamond@hilcorp.com>; Kade, Matthew H <mkade@blm.gov>
Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Brice Clyde - (C) <Brice.Clyde@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>
Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

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NMOCD approves below

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District
Office Phone: 505-334-6178 ext. 123
Cell Phone: 505-320-0243
Email - monica.kuehling@emnrd.nm.gov

From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Tuesday, July 16, 2024 2:50 PM
To: John LaMond <jlamond@hilcorp.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kade, Matthew H <mkade@blm.gov>
Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Brice Clyde - (C) <Brice.Clyde@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>
Subject: Re: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

The BLM finds the procedure appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management
Farmington Field Office
6251 College Blvd
Farmington, NM 87402

Email: krennick@blm.gov
Mobile & Text: 505.497.0019

From: John LaMond <jlamond@hilcorp.com>

Sent: Tuesday, July 16, 2024 2:41 PM

To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>; Kade, Matthew H <mkade@blm.gov>

Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Brice Clyde - (C) <Brice.Clyde@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>; John LaMond <jlamond@hilcorp.com>

Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

Good afternoon Monica and Kenny,

I have attached the approved P&A NOI, as well as an updated procedure based on the COAs in the approved NOI and the NMOCD conditions below.

- Regarding NMOCD Condition #1: The NMOCD has granted verbal approval that PLUG #1a as previously outlined in the updated procedure is sufficient cement coverage over the fish @ 6,417', with an estimated BOC @ 6,407'
- Regarding NMOCD Condition #2: The NMOCD has granted verbal approval for the following: For PLUG #5, the cement volume to be pumped below the CICR @ 1,788' will be the equivalent amount to cover cement to 50' below the PC top @ 1,827' (7sx total). This is reflected in the updated procedure attached and below.

Please see the revised procedure attached and below. The updated Proposed P&A wellbore schematic is also attached.



HILCORP ENERGY COMPANY
FULLERTON FEDERAL 10
P&A NOI

API #: 3004506490

JOB PROCEDURES

1. Contact NMOCD and BLM (where applicable) 24 hours prior to MIRU.
2. Hold pre-job safety meeting. Verify cathodic is off. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.
3. MIRU service rig and associated equipment.
4. TOOH w/ rods; NU and test BOP; TOOH w/ tubing.
5. PU & TIH w/ work string & bit to TOC @ 1,896'.
6. Mill out cement between 1,896' and CIBP @ 4,239'. Mill out CIBPs @ 4,239' & 4,740'.
7. TIH w/ work string & bit to 6,350'. TOOH.
8. Set a 4-1/2" CICR at +/- 6,339' to isolate the DK Perfs.
9. *Note- The following plugs are designed based on the CBL run on 04-09-1962.
10. **PLUG #1a: 6sx of Class G Cement (15.8 PPG, 1.15 yield); DK Perfs @ 6,389' | DK Top @ 6,383' | GRN Top @ 6,300':**
 Sting into 4-1/2" CICR @ 6,339'; establish injection rate. Pump 6sx of cement beneath the 4-1/2" CICR (est. TOC @ +/- 6,339' & est. BOC @ +/- 6,407'). Sting out of CICR. unable to establish injection rate, forego PLUG #1a & proceed w/ PLUG #1b (150' Cement Plug on top of CICR @ 6,339').
11. **PLUG #1b: 12sx of Class G Cement (15.8 PPG, 1.15 yield); DK Perfs @ 6,389' | DK Top @ 6,383' | GRN Top @ 6,300':**
 Pump a 12 sack balanced cement plug on top of the CICR. (est. TOC @ +/- 6,189' & est. BOC @ +/- 6,339'). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug len volumes account for excess.
12. POOH w/ work string to +/- 5,435'.
13. **PLUG #2: 12sx of Class G Cement (15.8 PPG, 1.15 yield); GAL Top @ 5,385':**
 Pump a 12 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 5,285' & est. BOC @ +/- 5,435'). *Note cement plug lengths and volumes account for excess
14. RU Wireline. Run CBL. Record Top of Cement. All subsequent plugs below are subject to change pending CBL results.
15. TIH & perforate squeeze holes @ +/- 4,580'. RIH w/ 4-1/2" CICR and set CICR @ +/- 4,530'. TIH w/ work string & sting into CICR. Establish injection.
16. **PLUG #3: 52sx of Class G Cement (15.8 PPG, 1.15 yield); MCS Top @ 4,530':**
 Pump 40sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. TOC @ +/- 4,380' & est. BOC @ +/- 4,580'). Pump an additional 4sx of cement beneath the 4-1/2" TOC @ +/- 4,530' & est. BOC @ +/- 4,580'). Sting out of retainer, pump an 8 sack balanced cement plug on top of the CICR. (est. TOC @ +/- 4,430' & est. BOC @ +/- 4,531' hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
17. POOH w/ work string to +/- 3,165'.
18. **PLUG #4: 40sx of Class G Cement (15.8 PPG, 1.15 yield); MV Top @ 3,115' | CHC Top @ 2,740':**
 Pump a 40 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 2,640' & est. BOC @ +/- 3,165'). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug volumes account for excess. POOH w/ work string.
19. Set a 4-1/2" CICR at +/- 1,788' to isolate the PC Perfs.
20. **PLUG #5: 15sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 1,830' | PC Top @ 1,827':**
 Pump 7sx of cement beneath the 4-1/2" CICR (est. TOC @ +/- 1,788' & est. BOC @ +/- 1,877'). Sting out of the retainer; pump an 8 sack balanced cement plug on top of the TOC @ +/- 1,688' & est. BOC @ +/- 1,788'). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
21. Load the well as needed. Pressure test the casing above the plug to 560 psig.
22. TOOH w/ work string. TIH & perforate squeeze holes @ +/- 1,366'. RIH w/ 4-1/2" CICR and set CICR @ +/- 1,316'. TIH w/ work string & sting into CICR. Establish injection.
23. **PLUG #6: 258sx of Class G Cement (15.8 PPG, 1.15 yield); FRD Top @ 1,316' | KR D Top @ 896' | OJO Top @ 610':**
 Pump 192sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. TOC @ +/- 399' & est. BOC @ +/- 1,366'). Pump an additional 4sx of cement beneath the 4-1/2" TOC @ +/- 1,316' & est. BOC @ +/- 1,366'). Sting out of retainer, pump a 62 sack balanced cement plug on top of the CICR. (est. TOC @ +/- 510' & est. BOC @ +/- 1,316') hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
24. TOOH w/ work string. TIH and perforate squeeze holes @ +/- 297'. TIH with tubing/work string. Establish circulation.
25. **PLUG #7: 87sx of Class G Cement (15.8 PPG, 1.15 yield); Surf. Casing Shoe @ 247':**
 Pump 10sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. TOC @ +/- 247' & est. BOC @ +/- 297'). Continue pumping 54sx of cement in the 4-1/2" casing X annulus (est. TOC @ +/- 0' & est. BOC @ +/- 247'). Pump a 23 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 0' & est. BOC @ +/- 297'). WOC for 4 hrs, tag TOC w/ work string.

Do the NMOCD and BLM approve of the revised procedure?

Thanks,

John LaMond

Operations Engineer – Technical Services
Hilcorp Energy Company
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346-237-2210 (Office)
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jlamond@hilcorp.com

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>

Sent: Monday, July 15, 2024 3:27 PM

To: Rennick, Kenneth G <krennick@blm.gov>; John LaMond <jlamond@hilcorp.com>; Kade, Matthew H <mkade@blm.gov>

Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Brice Clyde - (C) <Brice.Clyde@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>

Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

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NMOCD approves below with two conditions

1. You may need to go in open ended to get cement to fish.
2. Plug 5 at the PC top – needs to be extended to 1877, which is 50 feet below PC top at 1827

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District
Office Phone: 505-334-6178 ext. 123
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Email - monica.kuehling@emnrd.nm.gov

From: Rennick, Kenneth G <krennick@blm.gov>

Sent: Tuesday, July 9, 2024 2:28 PM

To: John LaMond <jlamond@hilcorp.com>; Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Kade, Matthew H <mkade@blm.gov>

Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Brice Clyde - (C) <Brice.Clyde@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>
Subject: Re: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

The BLM finds the adjusted procedure appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management
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From: John LaMond <jlamond@hilcorp.com>
Sent: Tuesday, July 9, 2024 1:55 PM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>; Kade, Matthew H <mkade@blm.gov>
Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Brice Clyde - (C) <Brice.Clyde@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; John LaMond <jlamond@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>
Subject: [EXTERNAL] P&A Revision Request for Hilcorp's FULLERTON FEDERAL 10 (API # 3004506490)

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Good afternoon Monica and Kenny,

Hilcorp is planning to work on the FULLERTON FEDERAL 10 (API # 3004506490) P&A in the near future.

I have attached the approved P&A NOI, as well as an updated procedure based on the COAs in the approved NOI.

Based on the COAs, Hilcorp requests the following adjustments to the approved procedure:

- PLUG #1 has now been split into PLUG #1a, PLUG #1b, & PLUG #2.
 - The CBL run 04-09-1962 is attached; it shows TOC @ 5,126' and should provide sufficient outside coverage for these plugs. Please reference PermitID: 369487 for the historical logs on subject well.
 - PLUG #1a accounts for NMOCD's COA of pumping cement on top of the fish @ 6,417'. Estimated BOC of PLUG #1a will be @ 6,407'.

- PLUG #2 now a separate 150' inside GAL plug.
- Based on the CBL run 04-09-1962, Hilcorp requests that a CBL now be run only after PLUG #2 is pumped.
- All other plugs have been adjusted according to the BLM & NMOCD formation tops. Please see the revised procedure attached and below. The updated Proposed P&A wellbore schematic is also attached.



HILCORP ENERGY COMPANY
FULLERTON FEDERAL 10
P&A NOI

API #: 3004506490

JOB PROCEDURES

1. Contact NMOCD and BLM (where applicable) 24 hours prior to MIRU.
2. Hold pre-job safety meeting. Verify cathodic is off. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.
3. MIRU service rig and associated equipment.
4. TOOH w/ rods; NU and test BOP; TOOH w/ tubing.
5. PU & TIH w/ work string & bit to TOC @ 1,896'.
6. Mill out cement between 1,896' and CIBP @ 4,239'. Mill out CIBPs @ 4,239' & 4,740'.
7. TIH w/ work string & bit to 6,350'. TOOH.
8. Set a 4-1/2" CICR at +/- 6,339' to isolate the DK Perfs.
9. *Note- The following plugs are designed based on the CBL run on 04-09-1962.
10. **PLUG #1a: 6sx of Class G Cement (15.8 PPG, 1.15 yield); DK Perfs @ 6,389' | DK Top @ 6,383' | GRN Top @ 6,300':**
 Sting into 4-1/2" CICR @ 6,339'; establish injection rate. Pump 6sx of cement beneath the 4-1/2" CICR (est. TOC @ +/- 6,339' & est. BOC @ +/- 6,339'). **unable to establish injection rate, forego PLUG #1a & proceed w/ PLUG #1b (150' Cement Plug on top of CICR @ 6,339').**
11. **PLUG #1b: 12sx of Class G Cement (15.8 PPG, 1.15 yield); DK Perfs @ 6,389' | DK Top @ 6,383' | GRN Top @ 6,300':**
 Pump a 12 sack balanced cement plug on top of the CICR. (est. TOC @ +/- 6,189' & est. BOC @ +/- 6,339'). WOC for 4 hrs, tag TOC w/ work string volumes account for excess.
12. POOH w/ work string to +/- 5,435'.
13. **PLUG #2: 12sx of Class G Cement (15.8 PPG, 1.15 yield); GAL Top @ 5,385':**
 Pump a 12 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 5,285' & est. BOC @ +/- 5,435'). *Note cement plug lengths and
14. RU Wireline. Run CBL. Record Top of Cement. All subsequent plugs below are subject to change pending CBL results.
15. TIH & perforate squeeze holes @ +/- 4,580'. RIH w/ 4-1/2" CICR and set CICR @ +/- 4,530'. TIH w/ work string & sting into CICR. Establish injection rate.
16. **PLUG #3: 52sx of Class G Cement (15.8 PPG, 1.15 yield); MCS Top @ 4,530':**
 Pump 40sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. TOC @ +/- 4,380' & est. BOC @ +/- 4,580'). Pump an additional 4sx of cement (est. TOC @ +/- 4,530' & est. BOC @ +/- 4,580'). Sting out of retainer, pump an 8 sack balanced cement plug on top of the CICR. (est. TOC @ +/- 4,530' & est. BOC @ +/- 4,580'). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
17. POOH w/ work string to +/- 3,165'.
18. **PLUG #4: 40sx of Class G Cement (15.8 PPG, 1.15 yield); MV Top @ 3,115' | CHC Top @ 2,740':**
 Pump a 40 sack balanced cement plug inside the 4-1/2" casing (est. TOC @ +/- 2,640' & est. BOC @ +/- 3,165'). WOC for 4 hrs, tag TOC w/ work string volumes account for excess. POOH w/ work string.
19. Set a 4-1/2" CIBP or CICR at +/- 1,788' to isolate the PC Perfs.
20. **PLUG #5: 12sx of Class G Cement (15.8 PPG, 1.15 yield); PC Perfs @ 1,830' | PC Top @ 1,827':**
 Pump 4sx of cement beneath the 4-1/2" CICR (est. TOC @ +/- 1,788' & est. BOC @ +/- 1,838'). Sting out of the retainer; pump an 8 sack balanced cement plug on top of the CICR (est. TOC @ +/- 1,688' & est. BOC @ +/- 1,788'). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
21. Load the well as needed. Pressure test the casing above the plug to 560 psig.
22. TOOH w/ work string. TIH & perforate squeeze holes @ +/- 1,366'. RIH w/ 4-1/2" CICR and set CICR @ +/- 1,316'. TIH w/ work string & sting into CICR.
23. **PLUG #6: 258sx of Class G Cement (15.8 PPG, 1.15 yield); FRD Top @ 1,316' | KRD Top @ 896' | OJO Top @ 610':**
 Pump 192sx of cement in the 4-1/2" casing X 7-7/8" open hole annulus (est. TOC @ +/- 399' & est. BOC @ +/- 1,366'). Pump an additional 4sx of cement (est. TOC @ +/- 1,316' & est. BOC @ +/- 1,366'). Sting out of retainer, pump a 62 sack balanced cement plug on top of the CICR. (est. TOC @ +/- 511' & est. BOC @ +/- 1,366'). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.

Do the NMOCD and BLM approve of the revised procedure?

Thanks,

John LaMond

Operations Engineer – Technical Services

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

CONDITIONS

Action 388911

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 388911
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	well plugged 9/26/2024	10/2/2024