

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

Well Name: INGWERSON

Well Location: T24N / R2W / SEC 20 / SWSE / 36.290714 / -107.070658

County or Parish/State: RIO ARRIBA / NM

Well Number: 4

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF078909

Unit or CA Name:

Unit or CA Number:

US Well Number: 3003905340

Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2817043

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/15/2024

Time Sundry Submitted: 10:39

Date Operation Actually Began: 09/30/2024

Actual Procedure: Hilcorp Energy Company has plugged and abandoned the subject well on 10/10/2024 per the attached report. The well was plugged per Notice of Written Order 24MHK0020W.

SR Attachments

Actual Procedure

INGWERSON_4_SR_P_A_BLM_Submitted_20241015103847.pdf

Well Name: INGWERSON

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Unit or CA Name:

Unit or CA Number:

US Well Number: 3003905340

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: OCT 15, 2024 10:39 AM

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: 10/15/2024

Signature: Matthew Kade

INGWERSON 4

30.039.05340

PLUG AND ABANDONMENT

9/30/2024 – HEC ENGINEER SENT BLM AND NMOCD AN EMAIL REQUESTING ADJUSTMENTS TO THE APPROVED PROCEDURE BASED ON THE COAs. BLM AND NMOCD APPROVED THE ADJUSTMENTS.

10/1/2024 – CK PRESSURES. SICP 47 PSI, SITP 47 PSI, SIBHP 47 PSI, BDW 5 MIN. R/U UNIT AND EQUIPMENT. N/D WH. TUBING LANDED ON B1 ADAPTER. N/D B1 ADAPTER AND STRIP ON BOP. N/U BOP. FUNCTION TEST AND PSI TEST BOP, GOOD TEST. R/U FLOOR AND TONGS. UNLAND WELL AND REMOVE HANGER. TAG @ 6530'. L/D 118 JTS 2-3/8" PRODUCTION TUBING. SISW. SDFN. HEC ENGINEER SENT BLM AND NMOCD AN EMAIL DOCUMENTING THEIR VERBAL APPROVAL TO FOREGO PUMPING PLUG #1A BENEATH THE CIRC @ 6500'. ALSO NOTED WAS THAT BOTH BH & PROD CSG HAD 47 PSI AND FILL WAS TAGGED @ ~6530'.

10/2/2024 - CK PRESSURES. SICP 0 PSI, SITP 0 PSI, SIBHP 0 PSI. L/D 66 JTS 2-3/8 TUBING. TUBING PLUGGED. WAIT ON MUD BUCKET. L/D 28 JTS OF TUBING. P/U 7" STRING MILL. TALLY AND P/U 209 JTS 2-3/8 J-55 WORK STRING. TAG FILL @ 6530'. L/D 1 JT. TOH AND W/ WORK STRING LEAVE EOT @ 2391'. SISW. SDFN.

10/3/2024 – HEC ENGINEER SENT EMAIL DOCUMENTING VERBAL APPROVAL FROM BLM AND NMOCD TO RUN CBL AFTER PUMPING PLUG #1B PRIOR TO THE FULL 4 HR WOC. IF NO CMT IS LOGGED AT ~6000', HEC WILL WAIT THE FULL 4 HR WOC AFTER PUMPING #1B, THEN HEC WILL DROP DOWN TO TOC AND LOG FROM THERE UP. CK PRESSURES. SICP 0 PSI, SITP 0 PSI, SIBHP 0 PSI. TOH AND L/D CASING SCRAPER. P/U 7" CICR. TIH AND SET @ 6500'. STING OUT OF RETAINER. LOAD HOLE W/ 255 BBLs FRESH WATER. PUMP PLUG #1. (39 SX - CLASS G - 1.15 YIELD – 15.8 PPG. BOC @ 6500' - TOC @ 6384'). TOH AND L/D CICR SETTING TOOL. R/U TWG WIRELINE. RUN CBL FROM 6280' TO SURFACE. R/D TWG WIRELINE. TIH AND TAG PLUG #1 @ 6384'. TOH 10 JTS. SISW. SDFN. BLM REP MONTY GOMEZ ON LOCATION TO WITNESS.

10/4/2024 – HEC ENGINEER SENT BLM AND NMOCD AN EMAIL PROPOSING A PLUG DESIGN PER THE CBL-GR LOG RUN. PLUGS #2 AND #3 HAS CHANGED TO INSIDE/OUTSIDE PLUG. FORMATION TOPS WERE ADJUSTED FOR MANCOS, CLIFFHOUSE, CHACRA, AND NACIMIENTO. BLM AND NMOCD APPROVED THE PROPOSED CHANGES. CK PRESSURES. SICP 0 PSI, BH 0 PSI, TOH /95 STS AND TAG SUB. LOAD UP CSG W/48 BBL AND PUMP EXTRA 10 BBL AT 300 PSI- NO COMMUNICATION W/BH. MIRU WIRELINE GROUP AND PERFORATE AT 5386' (4 HOLES), RD WIRELINE. TIH W/ 7" CMR TO 5336' AND SET IT, INJECTION RATE 1.8 BBL AT 400 PSI, PUMP PLUG #2. (57 SX - CLASS G - 1.15 YIELD - BOC @ 5386'- 37 SX BELOW CMR AND 20 SX ON TOP OF CMR). LD 34 JTS, TOH W/STINGER, TIH W/TAG SUB AND 50 STS TO 3150', SISW, SDFW. BLM REP MONTY GOMEZ ON LOCATION TO WITNESS.

10/7/2024 – CK PRESSURES. SICP 0 PSI, BH 0 PSI, TIH W/ 23 STANDS OUT OF DERRICK. TAG PLUG #2 @ 5228'. L/D 13 JTS. TOH 77 STS AND TAG SUB. LOAD UP CSG W/48 BBL AND PUMP EXTRA 10 BBL AT 300 PSI- NO COMMUNICATION W/BH. MIRU WIRELINE GROUP AND PERFORATE AT 4860' (4 HOLES), RD WIRELINE. TIH W/ 7" CMR TO 4810' AND ATTEMPT TO SET IT (FAILED), TOH W/ CICR. P/U NEW 7" CICR. TIH AND SET @ 4810'. ESTABLISH INJECTION RATE 2.5 BBL/MIN AT 1200 PSI, PUMP PLUG #3. (57 SX - CLASS G - 1.15 YIELD - BOC @ 4860' - 37 SX BELOW CMR AND 20 SX ON TOP OF CICR). LD 4 JTS, TOH W/STINGER, SISW, SDFN.

INGWERSON 4**30.039.05340****PLUG AND ABANDONMENT**

10/8/2024 – CK PRESSURES. SICP 0 PSI, BH 0 PSI, P/U TAG SUB. TIH W/ 74 STANDS OUT OF DERRICK. **TAG PLUG #3 @ 4648'**. L/D 23 JTS. TOH /62 STS AND TAG SUB. MIRU WIRELINE GROUP AND PERFORATE AT 3960' (4 HOLES), RD WIRELINE. ESTABLISH INJECTION RATE. 600 PSI @ 2.2 BPM. TIH W/ 7" CICR AND SET @ 3910'. LOAD CSG AND PSI TEST 560, GOOD TEST. ESTABLISH INJECTION RATE 2.2 BBL/MIN AT 600 PSI, **PUMP PLUG #4. (57 SX - CLASS G - 1.15 YIELD - BOC @ 3960' - TOC @ 3801' - 37 SX BELOW CMR AND 20 SX ON TOP OF CICR)**. LD 4 JTS, TOH W/STINGER, WOC 4 HRS. TIH W/ TAG SUB AND **TAG PLUG #4 @ 3801'**. TOH AND L/D TAG SUB. R/U WIRELINE. RIH AND PERF @ 3154'. R/D WIRELINE. P/U 7" CICR. TIH AND SET @ 3104'. **PUMP PLUG #5. (206 SX TOTAL-98 SX BELOW CMR AND 108 SX ON TOP OF CMR - CLASS G - 1.15 YIELD - BOC @ 3154')**. L/D 20 JTS. TOH W/ 30 STDS AND L/D CICR SETTING TOOL. SISW, SDFN. **BLM REP MONTY GOMEZ ON LOCATION TO WITNESS PLUGS.**

10/9/2024 – CK PRESSURES. SICP 0 PSI, BH 0 PSI, P/U TAG SUB. TIH W/ 40 STANDS OUT OF DERRICK. **TAG PLUG #5 @ 2593'**. L/D 30 JTS. TOH /25 STDS AND TAG SUB. MIRU WIRELINE GROUP AND PERFORATE AT 1610' (4 HOLES), RD WIRELINE. ESTABLISH INJECTION RATE. 800 PSI @ 2.2 BPM. TIH W/ 7" CICR AND SET @ 1560'. ESTABLISH INJECTION RATE 2.2 BBL/MIN AT 900 PSI, **PUMP PLUG #6. (57 SX - CLASS G - 1.15 YIELD - BOC @ 1610' - TOC @ 1478' - 37 SX BELOW CMR AND 20 SX ON TOP OF CICR)**. LD 4 JTS, TOH W/STINGER, WOC 4 HRS. TIH W/ TAG SUB AND **TAG PLUG #6 @ 1478'**. TOH AND L/D TAG SUB. R/U WIRELINE. RIH AND PERF @ 556'. R/D WIRELINE. ESTABLISH CIRCULATION DOWN 7" CASING AND UP BRADENHEAD. **PUMP PLUG #7 (SURFACE). (252 SX TOTAL-107 SX IN 7", 145 SXS IN 7" X 8-3/4 ANNULUS - CLASS G - 1.15 YIELD - BOC @ 556' - TOC @ 0')**. SISW, SDFN. **BLM REP MONTY GOMEZ ON LOCATION TO WITNESS PLUGS.**

10/10/2024 - CHK PRESSURES. SICP 0 PSI, BH 0 PSI. N/D BOP. CUT OFF WELLHEAD. TAG CEMENT IN ON ALL SIDES. AT SURFACE ON 7" - 15' IN ANNULUS. R/D UNIT. TOP OFF BRADENHEAD AND CASING (26 SXS TOTAL). INSTALL P&A MARKER. R/D RIG AND CEMENT EQUIP. RD RR. **BLM REP MONTY GOMEZ ON LOCATION TO WITNESS.**

WELL WAS PLUGGED AND ABANDONED ON 10/10/2024.



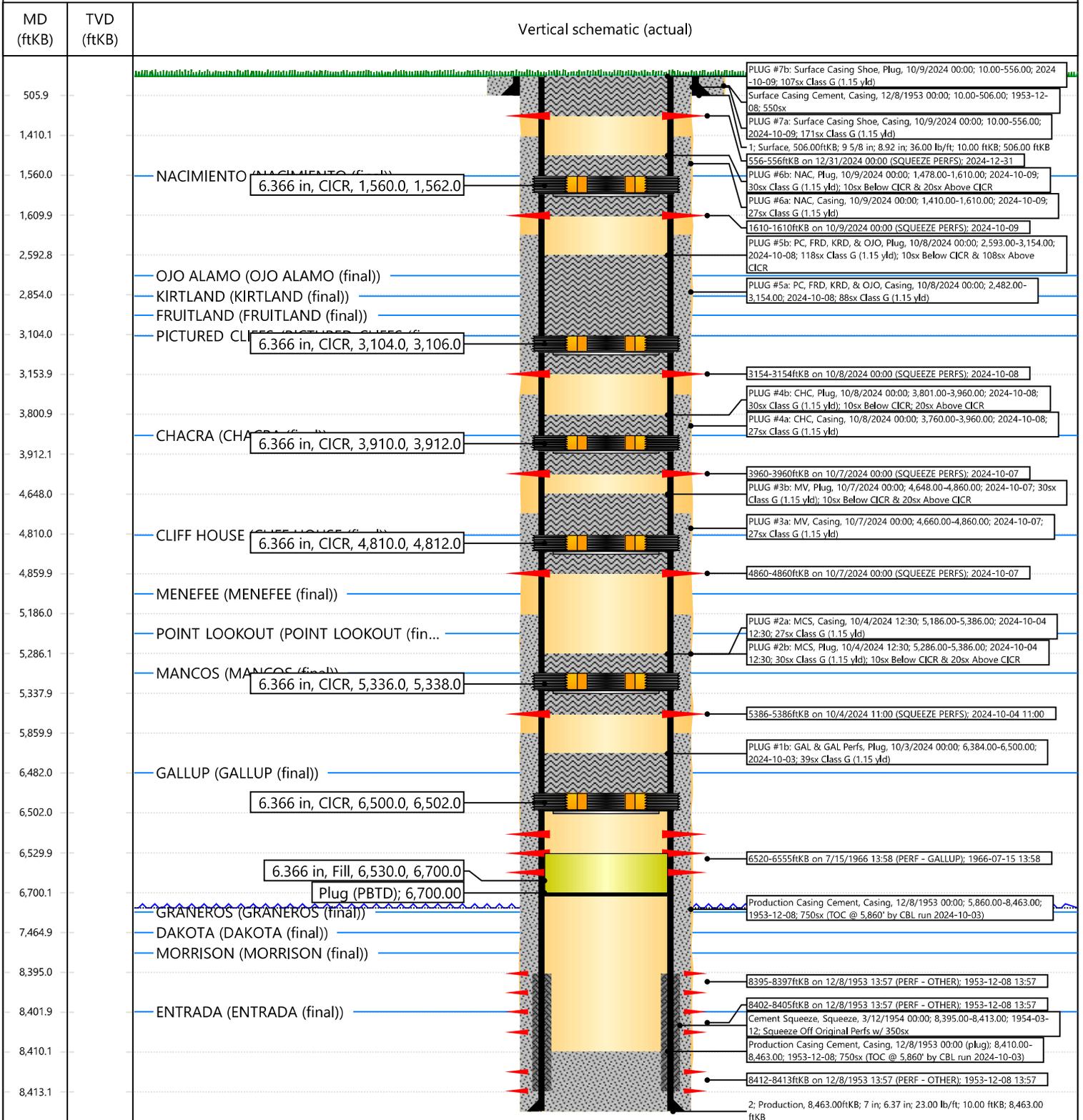
Current Schematic - Version 3

Well Name: **INGWERSON 4**

API / UWI 3003905340	Surface Legal Location	Field Name Gallup Dakota	Route 1413	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 7,134.00	Original KB/RT Elevation (ft) 7,144.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

Tubing Strings					
Run Date 12/8/1953 00:00	Set Depth (ftKB) 6,500.00	String Max Nominal OD (in) 2 1/16	String Min Nominal ID (in) 1.75	Weight/Length (lb/ft) 3.25	Original Spud Date

Original Hole







Lat 36.290714 Long -107.070658







United States Department of the Interior



BUREAU OF LAND MANAGEMENT
Farmington Field Office
6251 College Boulevard, Suite A
Farmington, New Mexico 87402
<https://www.blm.gov/new-mexico>

In Reply Refer To:
NMNM 105466052 (MLRS)
NMSF 078909 (Legacy)
LLNMF01110

CERTIFIED- RETURN RECEIPT REQUESTED
9171 9690 0935 0289 4018 30

Hilcorp San Juan LP
1111 Travis St
Houston, TX 77002

NOTICE OF WRITTEN ORDER NO. 24MHK0020W

The Bureau of Land Management Farmington Field Office (FFO) records show Hilcorp San Juan LP is the current record title and/or operating rights owner of Federal oil and gas Lease NMSF 078909. See enclosed for the adjudication for the lease.

Problem: An inspection was performed on the Ingwerson #4 well (US Well No. 30-039-05340), located in T. 24N, R. 02W, Sec. 20, SWSE, in Rio Arriba County, NM. The well was found in non-operational status. BLM review of reports submitted to the Office of Natural Resources and Revenue for this lease indicate the well has not been reported since January 2021 and has not produced since September 2020. Reports submitted to the New Mexico Oil Conservation Division last production in April 2021, and has not been reported since July 2021.

We are notifying you that the approved oil and gas operator J.B. Martinez did not comply with the orders of the authorized officer to return the well to production or plug and abandon the well and reclaim the surface of lands disturbed in connection with the conduct of operations. As a result of their failure to respond to the orders of the authorized officer, additional enforcement actions, assessments and civil penalties were issued.

Pursuant to 43 C.F.R. 3106.7-6 paragraphs (a) and (b), "if you acquire record title interest in a Federal lease, you agree to comply with the terms of the original lease during your lease tenure. You assume the responsibility to plug and abandon all wells which are no longer capable of producing, reclaim the lease site, and remedy all environmental problems in existence and that a purchaser exercising reasonable diligence should have known at the time. You must also maintain an adequate bond to ensure performance of these responsibilities. If you acquire operating rights in a Federal lease, you agree to comply with the terms of the original lease as it applies to the area or horizons in which you acquired rights. You must plug and abandon all unplugged wells, reclaim the lease site, and remedy all environmental problems in existence and that a purchaser exercising reasonable diligence should have known at the time you receive the

transfer. You must also maintain an adequate bond to ensure performance of these responsibilities.”

Corrective Action: Regulations at 43 C.F.R. 3161.2 state that the authorized officer may issue written or oral orders to govern specific lease operations. For the Ingwerson #4 well (US Well No. 30-039-05340), you are hereby ordered to submit a Sundry Notice, Notice of Intent (Form 3160-5), and request, or plan, with all the required information to:

1. Return the well to production, including timeframes, and notification to the authorized officer no later than the 5th business day after the well has resumed production; or
2. Plug and abandon the well and reclaim the site(s) and all associated disturbance including utility corridor(s), access road(s), and removal of associated facilities and equipment.

The information must be submitted by October 1, 2024. In accordance with 43 C.F.R. 3163.1(a), you must comply with the corrective actions for the identified issue(s) by the abatement date provided above. If you fail to comply within the time frames specified, you will be issued an Incident of Noncompliance (INC) in accordance with 43 C.F.R. 3163.1(a), which may include an assessment or additional enforcement actions as deemed necessary to gain compliance.

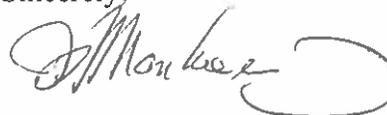
REVIEW AND APPEAL RIGHTS

Under provisions of 43 C.F.R. 3165.3, you may request an Administrative Review before the State Director, either with or without oral presentation, of the order described above. Such a request, including all supporting documentation, must be filed in writing with the State Director, Bureau of Land Management, 301 Dinosaur Trail, Santa Fe, NM 87508 within 20 business days of the date this notice was received or considered to have been received. Such a request shall not result in a suspension of the order unless the reviewing official so determines.

The State Director review decision may be appealed to the Interior Board of Land Appeals, Office of the Secretary, in accordance with the regulations contained in 43 C.F.R., Part 4, as summarized in Form 1842-1 (copy attached).

If you have any questions, please contact Matthew Kade, Petroleum Engineer, at (505) 564-7736 or mkade@blm.gov.

Sincerely,



David J. Mankiewicz
Assistant Field Manager



United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Farmington Field Office
6251 College Boulevard, Suite A
Farmington, New Mexico 87402
<http://www.blm.gov/new-mexico>



Rec'd Land
MAY 07 2024
AS

In Reply Refer To:

NMSF 078909
LLNMF01110

May 1, 2024

TO:

Hilcorp San Juan LP
1111 Travis St
Houston, TX 77002

Cert Mail: 9171 9690 0935 0290 5322 95

NOTICE OF CONTINUED NONCOMPLIANCE

Our records show Hilcorp San Juan LP is the current record title owner of Federal oil and gas lease NMSF078909. As a courtesy, we are notifying Hilcorp San Juan LP that an approved oil and gas operator on this lease, J.B. Martinez, has not complied with issued the Written Order (WO). As a result of their failure to respond to the WO, additional enforcement actions and assessments are being issued including Civil Penalties. Based on records, the owner is deceased, and the bond is not sufficient to plug the well and reclaim the location.

Per 43 CFR 3163.1(a)(5), continued noncompliance may subject the lease to cancellation and forfeiture under the bond. As owner of record title, Hilcorp San Juan LP bears the ultimate responsibility for performance under the lease terms, including the plugging and abandonment of unplugged well bore(s), removal of associated surface facilities, and restoration of the surface. See 43 CFR 3106.7-2 paragraph (b) and 43 CFR 3106.7-6.

Lease	Well Name	Well Number	API Number	Location
NMNM 078909	Ingwerson	4	3003905340	T 24N, R 02W, Sec 20, SWSE

If you have any question, please contact Matthew Kade, Petroleum Engineer with the Farmington Field Office, at (505) 564-7736 or mkade@blm.gov.

NMSF078909, Hilcorp San Juan LP

May 1, 2024

Page 2 of 2

Sincerely,

A handwritten signature in black ink, appearing to read "D. Mankiewicz", with a large, stylized flourish at the end.

David J. Mankiewicz
Assistant Field Manager

CC:

Well File: Ingwerson 4 (API 30-039-05340)

Lease File: NMSF 078909

Mustafa Haque, BLM New Mexico State Office

Jose Rios, BLM New Mexico State Office

Virgil Lucero, BLM Farmington Field Office

Shannon Fachan, BLM Farmington Field Office

Kenneth Rennick, BLM Farmington Field Office



United States Department of the Interior



BUREAU OF LAND MANAGEMENT
 Farmington Field Office
 6251 College Boulevard, Suite A
 Farmington, New Mexico 87402
<http://www.blm.gov/new-mexico>

IN REPLY REFER TO:
 3107 (LLNMF01110)
 INC 24MHK002I

March 22, 2024

TO:

J.B. Martinez
 P.O. Box 109
 Lindrieth, NM 87029

Cert. Mail: 9171 9690 0935 0290 5323 87

INCIDENT OF NON-COMPLIANCE

The Farmington Field Office (FFO) sent a letter dated January 18, 2024 requesting J. B. Martinez to complete corrective actions on the well listed below by March 29, 2024. The letter was returned to sender on January 24, 2024 as addressee is deceased. The well identified is inactive and has not been reporting to the Office of Natural Resources Revenue (ONRR). Due to the period of inactivity of this well, the FFO has determined that the well is no longer capable of producing in paying quantities. Federal regulations in 43 C.F.R. 3162.3-4 requires the operator to promptly plug and abandon a well that is demonstrated to the satisfaction of the authorized officer to be no longer capable of producing oil or gas in paying quantities.

Written Order No.	Well Name	Well No.	US Well No.	Lease No.	Month of Last Production
24MHK0002W	Ingwerson	4	3003905340	NMSF 078909	April 2021

Corrective Action: J.B. Martinez must complete one of the following options:

- (a) Return the well to paying production and notify the BLM by a Notification (AFMSS 2, Action – Resume Production). Or,
- (b) Submit a sundry notice through AFMSS 2 (Notice of Intent – Plug and Abandonment) with (1) an abandonment procedure for preapproval, (2) proposed start date, and (3) a reclamation plan that complies with Onshore Oil and Gas Order No. 2(III) to permanently plug the well and, within 180 days after receiving approval of the plugging procedure, plug and abandon the well.

This information must be submitted by May 1, 2024. In accordance with 43 C.F.R. 316.1(a), you must comply with the corrective actions for the identified well by the abatement date provided above. If you fail to comply within the time frame specified, you will be issued a second Incident of Noncompliance (INC) in accordance with 43 C.F.R. 3163.1(a), which will include an assessment or additional enforcement actions as

24MHK0002I

March 22, 2024

Page 2 of 2

deemed necessary to gain compliance.

WARNING

The Authorized Officer has authority to issue a Written Order in accordance with 43 C.F.R. 3161.2. Written Order correction and reporting time frames begin upon receipt of this Notice or 7 business days after the date it is mailed, whichever is earlier. Each stipulation must be corrected within the prescribed time from receipt of this Notice and reported to the Bureau of Land Management office at the address shown above. If you fail to comply within the time frame specified, you will be subject to further enforcement action as may be deemed necessary in accordance with 43 C.F.R. 3163.1(a) and 43 C.F.R. 3163.2.

Section 109(d)(1) of the Federal Oil and Gas Royalty Management Act of 1982, as implemented by the applicable provisions of the operating regulations at Title 43 C.F.R. 3163.2(f)(1), provides that any person who "knowingly or willfully prepares, maintains or submits false, inaccurate or misleading reports, notices, affidavits, records, data or other written information required by this part" shall be liable for a civil penalty of up to \$25,000 per violation for each day such violation continues, not to exceed a maximum of 20 days.

REVIEW AND APPEAL RIGHTS

Any adversely affected party may request a State Director Review (SDR) of this decision before the State Director either with or without oral presentation. Such a request, including all supporting documentation, shall be filed in writing within 20 business days of receipt of this decision with the New Mexico State Office, State Director, at 301 Dinosaur Trail, Sante Fe, NM 87508 (see 43 C.F.R. 3165.3).

Any party adversely affected by the decision of the State Director after the SDR may appeal that decision to the Interior Board of Land Appeals (IBLA), 801 North Quincy Street, Suite 300, Arlington, VA 22203 (see 43 C.F.R. 3165.4). Should you fail to timely request an SDR, or after receiving the State Director's decision, fail to timely file an appeal with the IBLA, no further administrative review of this decision will be possible.

For questions concerning this matter, please contact Matthew Kade, Petroleum Engineer at the BLM Farmington Field Office, at (505) 564-7736 or mkade@blm.gov.

Sincerely,



David J. Mankiewicz
Assistant Field Manager

CC:

Well File: Ingwerson 4, US Well No. 30-039-05340
Lease File: NMSF 078909

Priscilla Shorty

From: Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.gov>
Sent: Friday, October 4, 2024 8:11 AM
To: Rustin Mikeska; Rennick, Kenneth G; John LaMond; Kuehling, Monica, EMNRD; Kade, Matthew H
Cc: Farmington Regulatory Techs; Clay Padgett; Lee Murphy; Matt Gustamantes - (C); Alvaro Garcia - (C)
Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

NMOCD agrees with the revised P&A plan below.

Loren Diede

Thank you,
 Loren Diede
 Petroleum Specialist Advanced
 Oil Conservation Division
 1220 South St. Francis Drive
 Santa Fe, New Mexico 87505
 505-394-3582 OCD cell



From: Rustin Mikeska <rmikeska@hilcorp.com>
Sent: Friday, October 4, 2024 7:48 AM
To: Rennick, Kenneth G <krennick@blm.gov>; John LaMond <jlamond@hilcorp.com>; Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.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>; Matt Gustamantes - (C) <Matt.Gustamantes@hilcorp.com>; Alvaro Garcia - (C) <Alvaro.Garcia@hilcorp.com>
Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)

Good morning Loren/Kenny – As discussed, Please review and approve the following plug design based on the attached CBL-GR log run. Note: NMOCD updated formation tops are included below.

Completed (*per approved NOI & variances*):

- Set CICR @ 6,500’.
- Plug # 1b | 29sx on top of CICR.
- WOC 4hr, tag TOC good @ 6,384’ w/ work string.
- PT Plug #1b and csg to 560psi for 30min – failed, issues keeping hole full, PC & BH on slight vacuum.
- Run CBL from 6,280’ to surface.

Priscilla Shorty

From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Friday, October 4, 2024 8:31 AM
To: Rustin Mikeska; John LaMond; Diede, Loren, EMNRD; Kuehling, Monica, EMNRD; Kade, Matthew H
Cc: Farmington Regulatory Techs; Clay Padgett; Lee Murphy; Matt Gustamantes - (C); Alvaro Garcia - (C); Knapowski, Aleksandr J; Porch, Dustin T; Lucero, Virgil S; Gomez, Monty J
Subject: Re: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)
Attachments: hillcorp_ingwerson_004_cbl.tif; hilcorp_ingwerson_004_cbl1.db.pdf; hilcorp_ingwerson_004_cbl.las

CAUTION: External sender. DO NOT open links or attachments from UNKNOWN senders.

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: Rustin Mikeska <rmikeska@hilcorp.com>
Sent: Friday, October 4, 2024 7:48 AM
To: Rennick, Kenneth G <krennick@blm.gov>; John LaMond <jlamond@hilcorp.com>; Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.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>; Matt Gustamantes - (C) <Matt.Gustamantes@hilcorp.com>; Alvaro Garcia - (C) <Alvaro.Garcia@hilcorp.com>
Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)

Good morning Loren/Kenny – As discussed, Please review and approve the following plug design based on the attached CBL-GR log run. Note: NMOCD updated formation tops are included below.

Completed (*per approved NOI & variances*):

- Set CICR @ 6,500’.
- Plug # 1b | 29sx on top of CICR.
- WOC 4hr, tag TOC good @ 6,384’ w/ work string.

- PT Plug #1b and csg to 560psi for 30min – failed, issues keeping hole full, PC & BH on slight vacuum.
- Run CBL from 6,280' to surface.
 - TOC on the 7" csg is ~5,860' per NMOCD & Hilcorp

Proposed Plug Design:

- Plug #2 | **Mancos (adj to 5,336')**: Change to inside/outside plug
 - Perf circ holes @ 5,386'. Set CICR at formation top @ 5,336'
 - Adjusted Cmt Vol: 57sx total | 37sx below, 20sx on top of CICR
- Plug #3 | **Cliff House (adj to 4,810')**: Change to inside/outside plug
 - Perf circ holes @ 4,860'. Set CICR at formation top @ 4,810'
 - Adjusted Cmt Vol: 57sx total | 37sx below, 20sx on top of CICR
- Plug #4 | **Chacra (adj to 3,910')**: No change, inside/outside plug as proposed.
- Plug #5 | Pictured Cliffs (3,104'), Fruitland (2,963'), Kirtland (2,854'), Ojo (2,644'): No change, inside/outside plug per NOI.
- Plug #6 | **Nacimiento (adj to 1,560')**: No change, inside/outside plug as proposed.
- Plug #7 | Surface: No change, inside/outside plug as proposed.

**Note: all cmt calculations use Class G cement (1.15 yield). Outside annular volumes include 100% excess and inside casing volumes include 50' excess.*

***Note: cmt tops/bottoms reflect the prior approved variance.*

Thanks,

Rustin Mikeska

P&A Engineer | Technical Services

Cell: (254) 913-6777

Office: (713) 289-2931

rmikeska@hilcorp.com



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

Sent: Thursday, October 3, 2024 8:58 AM

To: John LaMond <jlamond@hilcorp.com>; Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.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>

Subject: Re: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)

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To confirm 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: Thursday, October 3, 2024 7:52 AM
To: Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.gov>; 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>; John LaMond <jlamond@hilcorp.com>
Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)

Good morning Loren & Kenny,

Per our discussion on the phone, Hilcorp received verbal approval from the BLM and NMOCD for the following: After pumping Plug #1b, we will TOO H w/ work string and RIH w/ CBL prior to the full 4 hour WOC. Hilcorp received verbal approval from the NMOCD & BLM to log from ~6,000' to surface. If no cement is logged at ~6,000', we will wait the full 4 hour WOC after pumping PLUG #1b, then Hilcorp will drop down to TOC (~6,350') and log from there up.

We will send the CBL once it is run.

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: Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.gov>
Sent: Wednesday, October 2, 2024 8:39 AM
To: John LaMond <jlamond@hilcorp.com>; 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>
Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)

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NMOCD agrees to this change.

Thank you,
Loren Diede
Petroleum Specialist Advanced
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505
505-394-3582 OCD cell



From: John LaMond <jlamond@hilcorp.com>
Sent: Wednesday, October 2, 2024 7:21 AM
To: Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.gov>; 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>; John LaMond <jlamond@hilcorp.com>
Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)

Good morning Loren & Kenny,

Per our discussion on the phone, Hilcorp received verbal approval from the BLM & NMOCD to pump PLUG #1b prior to running a CBL. After WOC, the CBL will then be run.

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: Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.gov>
Sent: Wednesday, October 2, 2024 6:03 AM
To: Rennick, Kenneth G <krennick@blm.gov>; 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>; John LaMond <jlamond@hilcorp.com>
Subject: Re: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)

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NMOCD agrees with the change of plan.

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From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Tuesday, October 1, 2024 5:48:36 PM
To: John LaMond <jlamond@hilcorp.com>; Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.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>; John LaMond <jlamond@hilcorp.com>
Subject: Re: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)

To confirm, the BLM finds the procedure appropriate.

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From: John LaMond <jlamond@hilcorp.com>
Sent: Tuesday, October 1, 2024 4:54:15 PM
To: Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.gov>; 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 INGWERSON 4 (API # 3003905340)

Good afternoon Loren & Kenny,

Per our discussion, Hilcorp moved onto the Ingwerson 4 today. We found that both the BH & production casing had 47 psi. We then NU BOPs & picked up the 2-3/8" tubing in the hole and tagged fill @ ~6,530'.

Moving forward, Hilcorp received verbal approval from the NMOCD & BLM to forego pumping PLUG #1a beneath the CICR @ 6,500'. We will execute the remainder of the procedure as previously approved.

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: Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.gov>
Sent: Monday, September 30, 2024 3:11 PM
To: John LaMond <jlamond@hilcorp.com>; 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>
Subject: RE: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)

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NMOCD agrees to this procedure change as per verbal conversation this morning.

Loren Diede

Thank you,
 Loren Diede
 Petroleum Specialist Advanced
 Oil Conservation Division
 1220 South St. Francis Drive
 Santa Fe, New Mexico 87505
 505-394-3582 OCD cell



From: John LaMond <jlamond@hilcorp.com>
Sent: Monday, September 30, 2024 1:45 PM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>; Kade, Matthew H <mkade@blm.gov>; Diede, Loren, EMNRD <Loren.Diede@emnrd.nm.gov>
Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Clay Padgett <cpadgett@hilcorp.com>; John LaMond <jlamond@hilcorp.com>; Lee Murphy <lmurphy@hilcorp.com>; Rustin Mikeska <rmikeska@hilcorp.com>; Matt Gustamantes - (C) <Matt.Gustamantes@hilcorp.com>
Subject: [EXTERNAL] P&A Revision Request for Hilcorp's INGWERSON 4 (API # 3003905340)

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Good afternoon Monica and Kenny,

Hilcorp is planning to work on the INGWERSON 4 (API # 3003905340) P&A this week.

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:

- Hilcorp will attempt to tag PBSD @ 6,700'.

- PLUG #1 has now been split into PLUG #1a & PLUG #1b: Plug #1a consists of pumping 25sx beneath the CICR @ 6,500' per verbal approval from NMOCD. If injection is unable to be established beneath the CICR @ 6,500', the NMOCD provided verbal approval for Hilcorp to forego pumping cement beneath the CICR & proceed with the remainder of the procedure.
- All other plugs have been adjusted according to the BLM formation tops. Please note that after discussion with the BLM, we found that the remarks regarding cement coverage around the BLM formation tops are inconsistent compared to the NMOCD COAs. Therefore, I have updated the cement coverages, but those coverages are based on the updated formation tops from the BLM. I have reviewed this with the BLM, and the BLM verbally approved my changes.
- Please see the revised procedure attached and below. The updated Proposed P&A wellbore schematic is also attached.



HILCORP ENERGY COMPANY
INGWERTON 4
P&A NOI

API #:	3003905340
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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; NU and test BOP.
4. RIH & tag PBTD @ **6,700'**.
5. Set a **7"** CICR at +/- **6,500'** to isolate the **Gallup formation**. Establish injection rate below CICR.
6. **PLUG #1a: 25sx of Class G Cement (15.8 PPG, 1.15 yield); GAL Top @ 6,482' | GAL Perfs @ 6,520'**
 Pump 25sx of cement beneath the 7" CICR (est. **TOC @ +/- 6,500'** & est. **BOC @ +/- 6,625'**). *Note cement plug lengths & volumes account for excess. **Note that this cement volume accounts for the excess requested by the NMOCD. Please also note that verbal approval was given by Hilcorp is unable to establish an injection rate below the CICR @ 6,500', then Hilcorp can forego PLUG #1a and proceed with the procedure.**
7. Load the well as needed. Pressure test the casing above the plug to **560 psig**.
8. RU Wireline. Run CBL. Record Top of Cement. All subsequent plugs below are subject to change pending CBL results.
9. PU & TIH w/ work string to +/- **6,500'**.
10. **PLUG #1b: 29sx of Class G Cement (15.8 PPG, 1.15 yield); GAL Top @ 6,482' | GAL Perfs @ 6,520'**
 Pump 29 sack balanced cement plug on top of the CICR. (est. **TOC @ +/- 6,350'** & est. **BOC @ +/- 6,500'**). Wait on Cement for 4 hours, tag TOC.
 *Note cement plug lengths & volumes account for excess.
11. POOH w/ work string to +/- **5,582'**.
12. **PLUG #2: 29sx of Class G Cement (15.8 PPG, 1.15 yield); MCS Top @ 5,532'**
 Pump a 29 sack balanced cement plug inside the 7" casing (est. **TOC @ +/- 5,432'** & est. **BOC @ +/- 5,582'**). *Note cement plug lengths & volumes account for excess.
13. POOH w/ work string to +/- **4,912'**.
14. **PLUG #3: 29sx of Class G Cement (15.8 PPG, 1.15 yield); MV Top @ 4,862'**
 Pump a 29 sack balanced cement plug inside the 7" casing (est. **TOC @ +/- 4,762'** & est. **BOC @ +/- 4,912'**). *Note cement plug lengths & volumes account for excess.
15. TOOH w/ work string. TIH & perforate squeeze holes @ +/- **4,012'**. RIH w/ **7" CICR** and set CICR @ +/- **3,962'**. TIH w/ work string & sting injection.
16. **PLUG #4: 57sx of Class G Cement (15.8 PPG, 1.15 yield); CHC Top @ 3,962'**
 Pump 27sx of cement in the 7" casing X 8-3/4" open hole annulus (est. **TOC @ +/- 3,812'** & est. **BOC @ +/- 4,012'**). Pump an additional 10sx of cement in the 7" casing X 8-3/4" open hole annulus (est. **TOC @ +/- 3,962'** & est. **BOC @ +/- 4,012'**). Sting out of retainer, pump a 20 sack balanced cement plug on top of the 7" CICR (est. **TOC @ +/- 3,962'** & est. **BOC @ +/- 3,962'**). WOC for 4 hrs, tag TOC w/ work string. *Note cement plug lengths and volumes account for excess.
17. TOOH w/ work string. TIH & perforate squeeze holes @ +/- **3,154'**. RIH w/ **7" CICR** and set CICR @ +/- **3,104'**. TIH w/ work string & sting injection.
18. **PLUG #5: 206sx of Class G Cement (15.8 PPG, 1.15 yield); PC Top @ 3,104' | FRD Top @ 2,963' | KR Top @ 2,854' | OJO Top @ 2,854'**
 Pump 88sx of cement in the 7" casing X 8-3/4" open hole annulus (est. **TOC @ +/- 2,482'** & est. **BOC @ +/- 3,154'**). Pump an additional 10sx of cement in the 7" casing X 8-3/4" open hole annulus (est. **TOC @ +/- 3,104'** & est. **BOC @ +/- 3,154'**). Sting out of retainer, pump a 108 sack balanced cement plug on top of the 7" CICR (est. **TOC @ +/- 3,104'** & est. **BOC @ +/- 3,104'**). 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

Hilcorp Energy Company

1111 Travis

Houston, TX 77002

346-237-2210 (Office)

832-754-9692 (Cell)

jlamond@hilcorp.com

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 392909

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 392909
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	None	10/24/2024