

Well Name: HOWELL K	Well Location: T30N / R8W / SEC 17 / SENE / 36.813965 / -107.692032	County or Parish/State: SAN JUAN / NM
Well Number: 4	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078578A	Unit or CA Name:	Unit or CA Number: NMNM73363
US Well Number: 3004509510	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2769199

Type of Submission: Notice of Intent	Type of Action: Workover Operations
Date Sundry Submitted: 01/11/2024	Time Sundry Submitted: 06:16
Date proposed operation will begin: 02/01/2024	

Procedure Description: Hilcorp Energy is requesting approval to repair the communication with the intermediate casing in the subject well per the attached procedure and wellbore diagram.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Howell_K_4__API_3004509510__Casing_Repair_NOI_HEC011024_20240111061535.pdf

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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: TAMMY JONES
Signed on: JAN 11, 2024 06:16 AM
Name: HILCORP ENERGY COMPANY
Title: Regulatory Compliance Specialist
Street Address: 382 ROAD 3100
City: AZTEC State: NM
Phone: (505) 324-5185
Email address: TAJONES@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: Approved
Disposition Date: 01/11/2024
Signature: Matthew Kade



HILCORP ENERGY COMPANY
HOWELL K 4
Inter. Casing Pressure Remediation NOTICE OF INTENT

Prepared by:	Scott Anderson
Preparation Date:	December 11, 2023

WELL INFORMATION			
Well Name:	HOWELL K 4	State:	NM
API #:	3004509510	County:	SAN JUAN
Area:	4	Location:	1600' FNL & 940' FEL - Unit H - Section 17 - T 030N - R 008W
Route:	0409	Latitude:	36.81396 N
Spud Date:	10/18/1955	Longitude:	-107.69203 W

PROJECT DESCRIPTION	
Evaluate/repair wellhead for potential leak path. Locate and squeeze possible HIC. Perf and circulate a squeeze to isolate communication between the Intermediate Casing and the source of gas.	

CONTACTS			
Title	Name	Office Phone #	Cell Phone #
Engineer	Scott Anderson		248-761-3965
Area Foreman	Colter Faverino		326-9758
Lead	Ramon Florez		386-8062
Artificial Lift Tech	Jesse McDowell		599-3479
Operator	Nicholas Weyrauch		427-0119



HILCORP ENERGY COMPANY
HOWELL K 4
Inter. Casing Pressure Remediation NOTICE OF INTENT

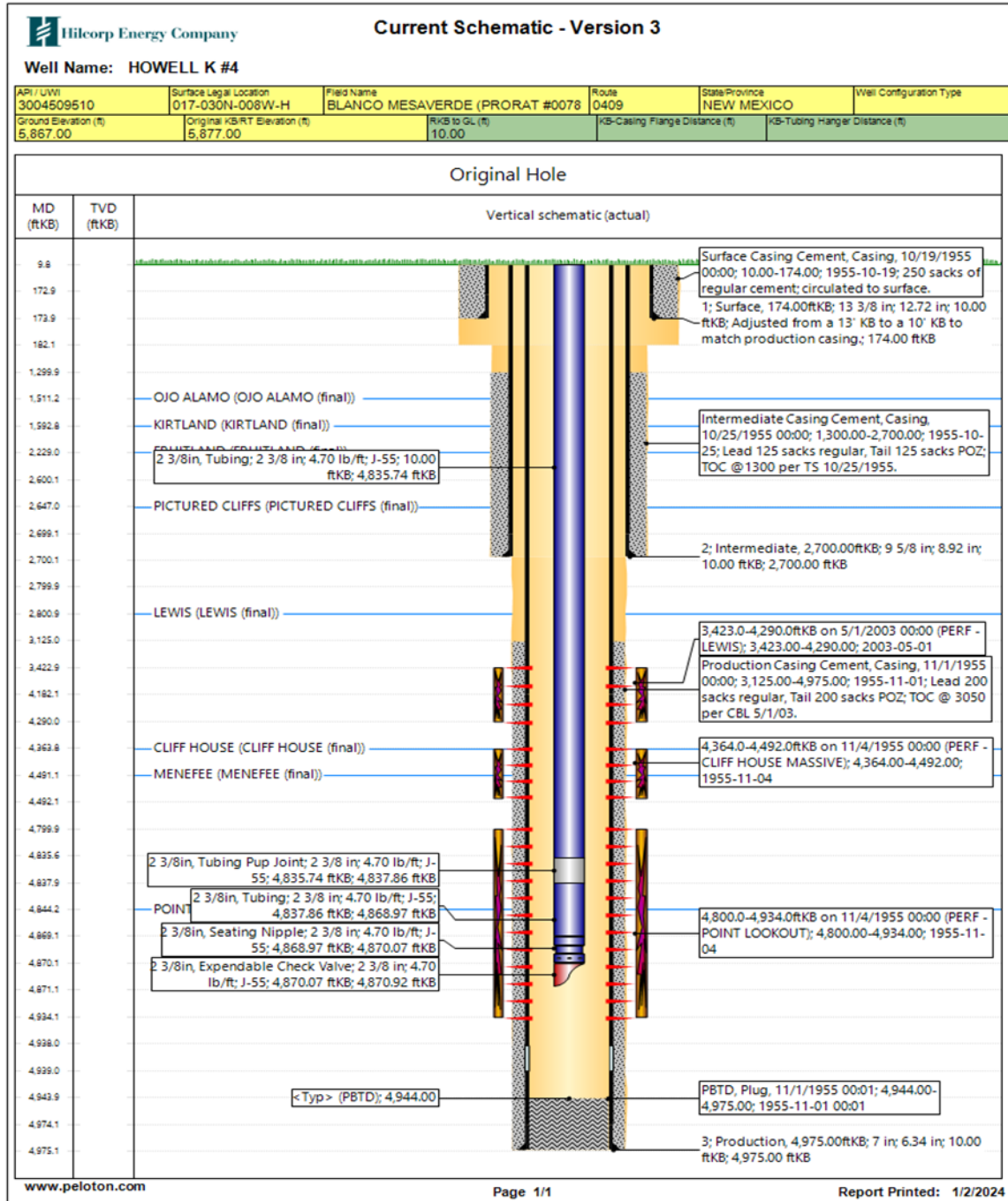
JOB PROCEDURES

- | | | |
|--|--------------|---|
| <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> | NMOCD
BLM | Contact OCD and BLM 24 hrs prior to MIRU. Record and document all casing pressures <u>daily</u>, including BH, IC (if present) and PC. Comply with all NMOCD, BLM, and HEC safety and environmental regulations. |
|--|--------------|---|
1. MIRU service rig and associated equipment; ND wellhead and NU and test BOPs per HEC, State, and Federal guidelines.
 2. TOOH with 2-3/8" production tubing
 3. PU a 7" bridge plug and RIH with work string; set BP at +/- **3,373'** to isolate the Mesa Verde formation. Pressure test the BP to 600 psi
 NOTE: a CBL was already run on the 7" production casing on 5/01/2003
 4. If the 7" casing does not pressure test, RIH w/ a packer to locate the leak.
 5. If the casing tests, remove BOPs and inspect wellhead for possible leak paths. Replace/repair wellhead components as needed, re-install and retest the wellbore. If the wellbore tests, end repair and schedule a BH retest.
 6. RU wireline. **Perforate for circulating squeeze at ~2800' (100' below the IC shoe).**
 7. RIH and **set a CICR 50' above the squeeze holes.** Sting into CICR and establish injection rate to surface.
 8. RU cementers. Circulate enough cement to cover the 9-5/8" casing shoe and overlap the 9-5/8" casing to **~2600'.**
 9. Bleed off pressure on the IC to verify source of pressure is isolated
 10. Drill out the cement and CICR. Remove BP and cleanout to PBTD
 11. RU pressure test truck. Perform a Mechanical Integrity Test on wellbore. Chart record the MIT test (Notify NMOCD +24hr before actual test).
 12. TIH and land 2-3/8" production tubing.
 13. NDNU production tree. RDMO workover rig. Re-conduct the BH and IC pressure tests



HILCORP ENERGY COMPANY
HOWELL K 4
Inter. Casing Pressure Remediation NOTICE OF INTENT

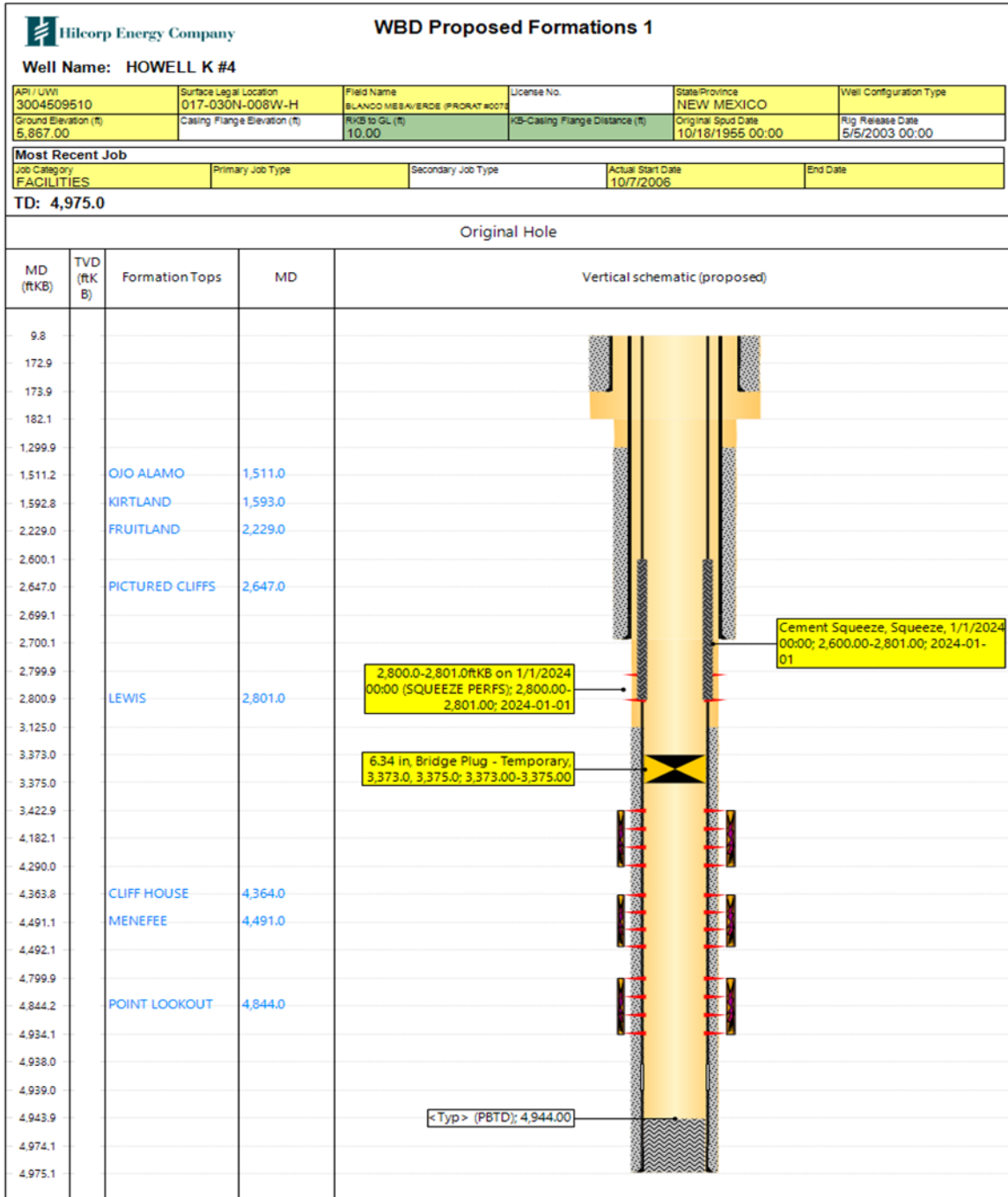
HOWELL K 4 - CURRENT WELLBORE SCHEMATIC





HILCORP ENERGY COMPANY
HOWELL K 4
Inter. Casing Pressure Remediation NOTICE OF INTENT

HOWELL K 4 - PROPOSED WELLBORE SCHEMATIC (PRIOR TO DRILLOUT/COMMINGLING)



Tammy Jones

From: Priscilla Shorty
Sent: Tuesday, December 5, 2023 2:41 PM
To: Kuehling, Monica, EMNRD; Farmington Regulatory Techs
Subject: RE: [EXTERNAL] Howell K #4 30-045-09510

Monica ~ This has been sent to the Area Engineer. Thanks.

From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Tuesday, December 5, 2023 2:28 PM
To: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>
Subject: [EXTERNAL] Howell K #4 30-045-09510

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

Hello

The bradenhead test on the above well dated June 28, 2023 has been reviewed.

Water analysis and wellbore schematic have been received and reviewed

Water analysis shows produced water both on the bradenhead and the intermediate – bradenhead TDS = 13100 – Intermediate TDS = 10100.

2020 test did not show water on the intermediate.

In order to comply with rule 19.15.16.11, prevent waste and protect fresh water, Hilcorp Energy Company is directed to find source of gas and water and fix or plug within 90 days of the date of this email.

If you have any questions, please let me know.

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

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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 302479

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 302479
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	NMOCD approval is given to begin procedure to fix intermediate issue. If a hole is found above the Kirtland - NMOCD will need to review prior to any cementing. - This does not remediate Bradenhead issue. Further review will need to be done prior to rig moving off.	1/11/2024