

|                            |  |                                       |
|----------------------------|--|---------------------------------------|
| Well Name: HOWELL C        | Well Location: T29N / R8W / SEC 1 / NWNE / 36.758438 / -107.623749 | County or Parish/State: SAN JUAN / NM |
| Well Number: 1             | Type of Well: CONVENTIONAL GAS WELL                                | Allottee or Tribe Name:               |
| Lease Number: NMSF078596   | Unit or CA Name:   | Unit or CA Number:                    |
| US Well Number: 3004508811 | Well Status: Producing Gas Well                                    | Operator: HILCORP ENERGY COMPANY      |

Notice of Intent

Sundry ID: 2764955

|  |                                     |
|--|-------------------------------------|
| Type of Submission: Notice of Intent           | Type of Action: Workover Operations |
| Date Sundry Submitted: 12/07/2023              | Time Sundry Submitted: 08:13        |
| Date proposed operation will begin: 12/29/2023 |                                     |

**Procedure Description:** Hilcorp Energy requests to replace the approved NOI BLM Sundry ID # 2764773 and rejected NMOCD Action ID # 291705 with the attached REVISED workover procedure for the subject well. Hilcorp Energy updated the packer placement depth and requests approval to identify the source of gas on the intermediate casing and remediate as necessary per the attached REVISED procedure and wellbore diagram.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Howell\_C\_1\_\_\_\_2023\_BH\_repair\_NOI\_UPDATED\_20231207081105.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: DEC 07, 2023 08:11 AM

Name: HILCORP ENERGY COMPANY

Title: Regulatory Compliance Specialist

Street Address: 382 ROAD 3100

City: AZTECState: 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: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Approved

Disposition Date: 12/07/2023

Signature: Kenneth Rennick



## HILCORP ENERGY COMPANY

### Howell C 1 - Bradenhead Repair

|                   |             |
|-------------------|-------------|
| Prepared by:      | Matthew Esz |
| Preparation Date: | 12/7/2023   |

| WELL INFORMATION |              |             |             |
|------------------|--------------|-------------|-------------|
| Well Name:       | Howell C 1   | State:      | NM          |
| API #:           | 3004508811   | County:     | Rio Arriba  |
| Area:            | 10           | Latitude:   | 36.820558   |
| Route:           | 1000         | Longitude:  | -107.337267 |
| Spud Date:       | June 8, 1951 | Formations: | MV          |

| PROJECT DESCRIPTION  |
|--|
| Workover is required to identify the source of gas on the intermediate csg. Will remediate as necessary. |

| CONTACTS             |             |                |              |
|----------------------|-------------|----------------|--------------|
| Title                | Name        | Office Phone # | Cell Phone # |
| Engineer             | Matthew Esz | NONE           | 770-843-9226 |
| Area Foreman         | Ryan Frost  | #N/A           | 505-320-0953 |
| Lead                 | #N/A        | #N/A           | #N/A         |
| Artificial Lift Tech | #N/A        | #N/A           | #N/A         |
| Operator             | #N/A        | #N/A           | #N/A         |

|                       |         |
|-----------------------|---------|
| Artificial Lift Type: | Plunger |
|-----------------------|---------|

| ENGINEERING RECOMMENDATION  |
|---|
| RIH set pkr, pressure test tbq side below packer and backside above pkr. Determine the source of gas on the intermediate csg string and remediate as necessary. |

|                     |   |
|---------------------|---|
| Estimated Rig Days: | 5 |
|---------------------|---|

| SPECIAL REQUIREMENTS |
|----------------------|
| none                 |



## HILCORP ENERGY COMPANY

### Howell C 1 - Bradenhead Repair

#### JOB PROCEDURES

1. Hold pre-job safety meeting. Verify cathodic is off. Comply with all NMOCD, BLM, and HEC safety and environmental regulations. Scope location for base beam. If unable to use base beam, test rig anchors prior to moving in rig.
2. MIRU workover rig. Check casing, tubing, intermediate, and bradenhead pressures daily and record them in WellView. **Report all pressures to engineering before moving forward with the remainder of the procedure.**
3. ND wellhead, NU BOP.
4. RIH, with pkr and 1 jnt of tbg. Set pkr at 30'. Pressure test csg side and monitor for leak off to determine if wellhead is the failure point. Pressure test down tbg and monitor for any leak off to determine if production csg is the failure point.
5. Determine failure point and source of gas on intermediate csg string. Remediate as necessary.
6. RIH w/ production tubing, and land tubing as indicated by the tubing design below:

| TUBING DESCRIPTION |       | PRODUCTION BHA DESCRIPTION (BOTTOM TO TOP) |                                      |
|--------------------|-------|--|--------------------------------------|
| Tubing OD:         | 2-3/8 | 1  |                                      |
| Tubing Weight:     | 4.7   |  |                                      |
| Tubing Grade:      | J-55  | 1  | 2-3/8 Pump Seat Nipple               |
| KB Depth:          | 11'   |  |                                      |
| Land Tubing At:    | 5106' | As needed                                  | 2-3/8 - 4.7 - J-55 Tubing Joints     |
| Seat Nipple At:    | 5105' | As Needed                                  | 2-3/8 - 4.7 - J-55 Tubing Pup Joints |
|                    |       | As needed                                  | 2-3/8 - 4.7 - J-55 Tubing Joints     |

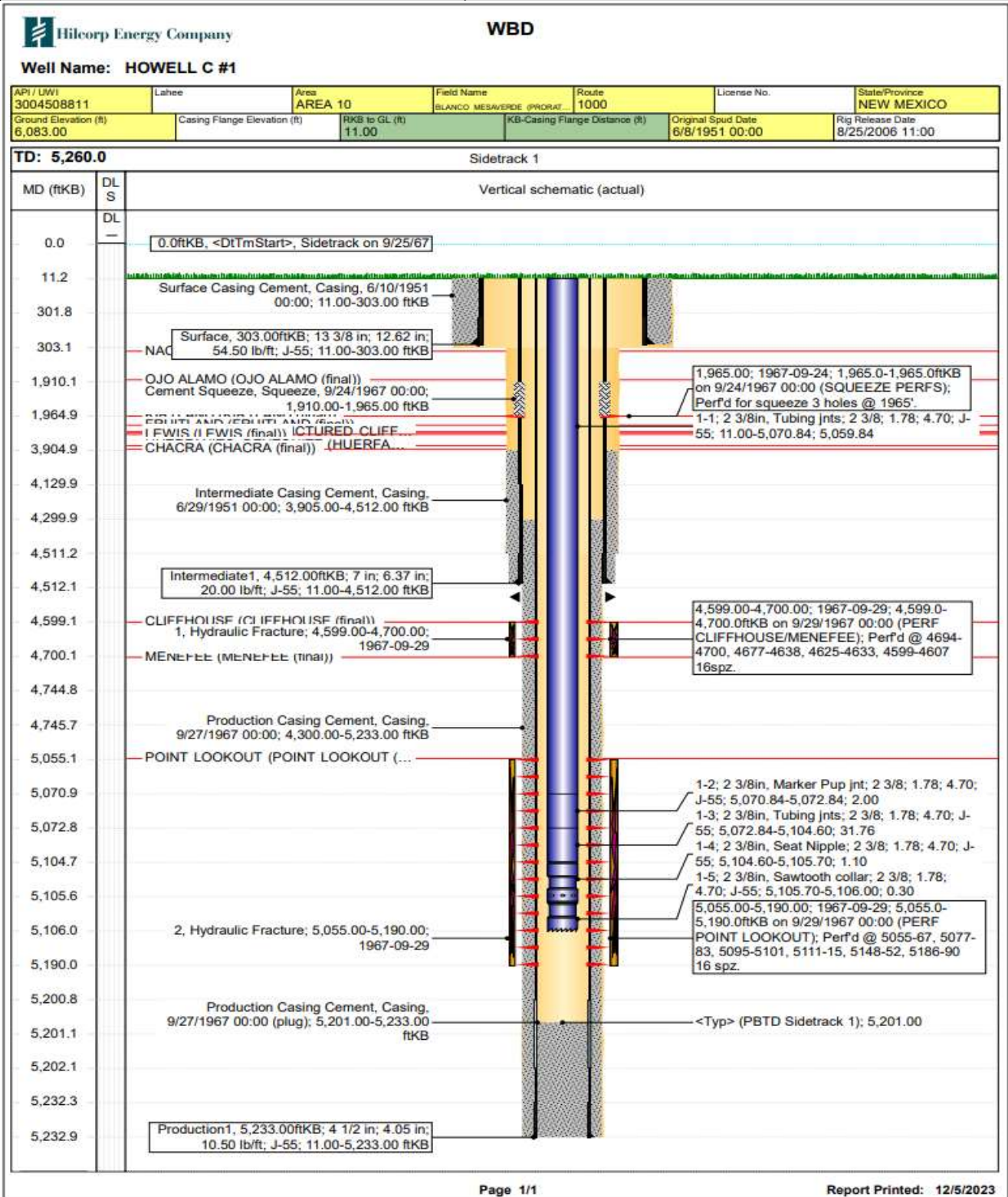
7. Ensure barriers are holding. ND BOP and BOP equipment.
8. Pressure test tubing slowly with an air package as follows: Pump 3 BBLs pad, drop steel ball, pressure tubing up to 560 psi, and bypass air. Monitor pressure for 15 minutes, then complete the operation by pumping off the expendable check (Note in WellView the pressure in which the check pumped off). Purge air as necessary
9. Notify the Operator & Artificial Lift Tech that well is ready to be turned back online. Verify cathodic is back online.
10. RDMO workover



# HILCORP ENERGY COMPANY

## Howell C 1 - Bradenhead Repair

### Howell C 1 - Bradenhead Repair - CURRENT WELLBORE SCHEMATIC

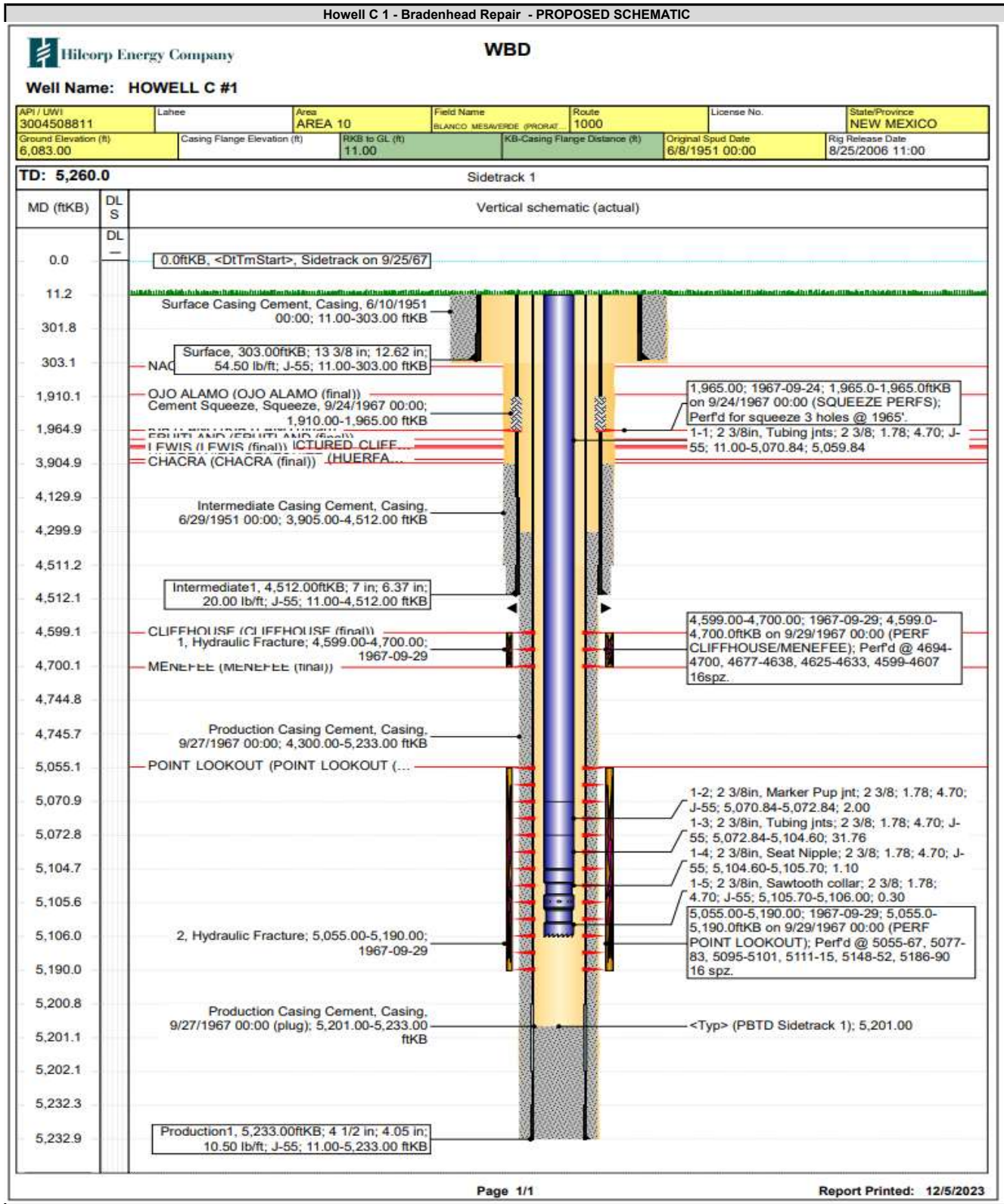






# HILCORP ENERGY COMPANY

## Howell C 1 - Bradenhead Repair



**Tammy Jones**

---

**From:** Tammy Jones  
**Sent:** Friday, November 17, 2023 12:02 PM  
**To:** Kuehling, Monica, EMNRD; Farmington Regulatory Techs  
**Cc:** Durham, John, EMNRD  
**Subject:** RE: [EXTERNAL] Howell C 1 30-045-08811

Monica – this has been sent to the Area Engineer.

Thanks,

*Tammy Jones* | **HILCORP ENERGY COMPANY** | San Juan Regulatory | 505.324.5185 | [tajones@hilcorp.com](mailto:tajones@hilcorp.com)

---

**From:** Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>  
**Sent:** Friday, November 17, 2023 11:09 AM  
**To:** Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>  
**Cc:** Durham, John, EMNRD <john.durham@emnrd.nm.gov>  
**Subject:** [EXTERNAL] Howell C 1 30-045-08811

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

Hello

A bradenhead test was witnessed by NMOCD Inspector John Durham on July 31, 2023.

Initial pressures

|      | Bradenhead | Intermediate | Production casing |
|------|------------|--------------|-------------------|
| 2023 | 0          | 24           | 23                |

Intermediate flowed for full 30-minute test. Direct communication was not observed, however, 5 minute shut in intermediate was back to 26 psi

Previous tests

|      |   |    |    |
|------|---|----|----|
| 2017 | 0 | 0  | 61 |
| 2011 | 1 | 45 | 45 |

Gas analysis and wellbore schematic have been received. Gas analysis shows same gas on intermediate and production casing.

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 on intermediate 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](mailto:monica.kuehling@emnrd.nm.gov)



**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 292195

CONDITIONS

|  |   |
|--|---|
| Operator:<br>HILCORP ENERGY COMPANY<br>1111 Travis Street<br>Houston, TX 77002 | OGRID:<br>372171                              |
|  | Action Number:<br>292195                      |
|  | Action Type:<br>[C-103] NOI Workover (C-103G) |

CONDITIONS

| Created By | Condition  | Condition Date |
|------------|--|----------------|
| mkuehling  | Approval is given to move on and set packer at 30 feet to test 30 feet to surface - however - there is no way to test below packer at 30 feet through tubing when you have open perforations below you - Notify NMOCD 24 hours prior to moving on. | 12/7/2023      |