U.S. Department of the Interior BUREAU OF LAND MANAGEMENT		Sundry Print Repor
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

Date Sundry Submitted: 12/07/2023

Date proposed operation will begin: 12/29/2023

Type of Action: Workover Operations Time Sundry Submitted: 08:13

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

Received by OCD: 12/7/2023 9:15:58 AM Well Name: HOWELL C	Well Location: T29N / R8W / SEC 1 / NWNE / 36.758438 / -107.623749	County or Parish/State: SAN
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

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

Name: HILCORP ENERGY COMPANY

Title: Regulatory Compliance Specialist

Street Address: 382 ROAD 3100

State: NM

State:

Phone: (505) 324-5185

City: AZTEC

Email address: TAJONES@HILCORP.COM

Field

Representative Name: Street Address: City: Phone: Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK BLM POC Phone: 5055647742 Disposition: Approved Signature: Kenneth Rennick BLM POC Title: Petroleum Engineer BLM POC Email Address: krennick@blm.gov

Zip:

Signed on: DEC 07, 2023 08:11 AM

Disposition Date: 12/07/2023

Released to Imaging: 12/7/2023 2:40:03 PM



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 idnetify the source of gas on the intermediate csg. Will remdiate 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 tbg 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 D	ESCRIPTION	PRODUC	TION 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.

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

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HILCORP ENERGY COMPANY Howell C 1 - Bradenhead Repair

		nergy Company		WBD	1		
N/UWI	ie: I	Lahee	Area	Field Name	Route	License No.	State/Province
004508811 ound Elevation	(8)	Casing Flange	AREA 10 Elevation (ft) RKB to GL (ft	BLANCO MEBAVERDE (ANDRAT 1000 asing Flange Distance (R		Rig Release Date
083.00			11.00		- SK 5 - S	6/8/1951 00:00	8/25/2006 11:00
D: 5,260				Sidetrack	1		
MD (ftKB)	S			Vertical	schematic (actual)		
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301.8		Surface Casin	g Cement, Casing, 6/10/1 00:00; 11.00-303.00	ftKB			
303.1			03.00ftKB; 13 3/8 in; 12.6 lb/ft; J-55; 11.00-303.00				
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1,964.9		- EBUIT AND / EE	1,910.00-1,965.00 (final)) ICTURED CLIFF.			1-1; 2 3/8in, Tubi	e 3 holes @ 1965'. ng jnts; 2 3/8; 1.78; 4.70; J-
3,904.9		CHACRA (CHAC	CRA (final)) (HUERFA	 M		55; 11.00-5,070.8	4, 0,009.84
4,129.9		Intermed	fiate Casing Cement, Cas	sing.			
4,299.9		6/29/1951 0	00:00; 3,905.00-4,512.00	ftKB			
4,511.2		<u>.</u>					
4,512.1			1, 4,512.00ftKB; 7 in; 6.3 oft; J-55; 11.00-4,512.00		►	[
4,599.1		- CLIFFHOUSE (C 1, Hydraulic	Fracture; 4,599.00-4,700			4,700.0ftKB on 9	0: 1967-09-29; 4,599.0- 29/1967 00:00 (PERF ENEFEE); Perfd @ 4694-
4,700.1 -		-MENEFEE (MER	NEFEE (Tinal))	9-29			4625-4633, 4599-4607
4,744.8				¥			
4,745.7			tion Casing Cement, Ca 00:00; 4,300.00-5,233.00				
5,055.1		- POINT LOOKOU	JT (POINT LOOKOUT (.				
5,070.9						/ J-55; 5,070.84-5,	
5,072.8						/ 55; 5,072.84-5,10	ng jnts; 2 3/8; 1.78; 4.70; J- 14.60; 31.76 Nipple; 2 3/8; 1.78; 4.70; J
5,104.7						/ 55; 5,104.60-5,10	
5,105.6						4.70; J-55; 5,105	70-5,106.00; 0.30 0; 1967-09-29; 5,055.0-
5,106.0		2, Hydraulic	Fracture; 5,055.00-5,190 1967-0			5,190.0ftKB on 9 POINT LOOKOU	29/1967 00:00 (PERF T); Perf'd @ 5055-67, 5077
5,190.0			1307-0	9-29		83, 5095-5101, 5 16 spz.	111-15, 5148-52, 5186-90
5,200.8		Death	tion Cooling Compat. Co-	alog 8			
5,201.1			tion Casing Cement, Cas 00 (plug); 5,201.00-5,23				letrack 1); 5,201.00
5,202.1							
5,232.3				ý			
5,232.9			,233.00ftKB; 4 1/2 in; 4.0				

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HILCORP ENERGY COMPANY Howell C 1 - Bradenhead Repair

		ergy Company		W	BD		
Well Nam	e: I	Lahee	Area AREA 10	Field Name BLANCO MEBAVI	Route 1000	License No.	State/Province NEW MEXICO
ound Elevation (,083.00	(8)	Casing Flange B			KB-Casing Flange Distan	ce (R) Original Spud Date 6/8/1951 00:00	Rig Release Date 8/25/2006 11:00
D: 5,260.	0			Sidet	rack 1	L'anna ann ann ann ann ann ann ann ann an	
MD (ftKB)	DL			Ver	ical schematic (act	ual)	
	DL						
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1,904.9		FRUIT AND (FR	(final)) ICTURED CLIFF		ĨI HŤ	1-1; 2 3/8in, Tu 55; 11.00-5,070	bing jnts; 2 3/8; 1.78; 4.70; J- 1.84; 5,059.84
3,904.9		CHACRA (CHAC	CRA (final)) (HUERFA				
4,129.9 -		Intermed	fiate Casing Cement, Ca	asing.			
4,299.9			0:00; 3,905.00-4,512.00				
4,511.2 -							
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4,512.1 -			/ft; J-55; 11.00-4,512.00		<	4 500 00 4 700	.00; 1967-09-29; 4,599.0-
4,599.1		- CLIFFHOUSE (C	Fracture; 4,599.00-4,70	00.00;		4,700.0ftKB on	9/29/1967-09-29; 4,599.0- 9/29/1967 00:00 (PERF MENEFEE); Perfd @ 4694-
4,700.1		-MENEFEE (MEN	NEFEE (Tinal))	09-29		4700, 4677-463	8, 4625-4633, 4599-4607
4,744.8						16spz.	
181231394-9 1812369-4-0		Produc	tion Casing Cement, Ca	asing			
4,745.7			0:00; 4,300.00-5,233.00				
5,055.1		- POINT LOOKOU	JT (POINT LOOKOUT	(1	
5,070.9						1-2; 2 3/8in, Ma	irker Pup jnt; 2 3/8; 1.78; 4.70 5.072.84; 2.00
5,072.8							bing jnts; 2 3/8; 1.78; 4.70; J-
							at Nipple; 2 3/8; 1.78; 4.70; J-
5,104.7 -							wtooth collar; 2 3/8; 1.78;
5,105.6							05.70-5,106.00; 0.30 .00; 1967-09-29; 5,055.0-
5,106.0		2, Hydraulic	Fracture; 5,055.00-5,19			5,190.0ftKB on	9/29/1967 00:00 (PERF UT); Perfd @ 5055-67, 5077-
5,190.0			1967-	09-29		83, 5095-5101, 16 spz.	5111-15, 5148-52, 5186-90
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5,202.1							
5,232.3 -							
5,232.9 -			,233.00ftKB; 4 1/2 in; 4 v/ft; J-55; 11.00-5,233.00				

Tammy Jones

From:	Tammy Jones
Sent:	Friday, November 17, 2023 12:02 PM
То:	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

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	s 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

Received by OCD: 12/7/2023 9:15:58 AM 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 - <u>monica.kuehling@emnrd.nm.gov</u>

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

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

9	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	

Page 9 of 9

Action 292195