

Well Name: HARMS WAY FEDERAL 30	Well Location: T31N / R12W / SEC 30 / SWSW / 36.866259 / -108.144559	County or Parish/State: SAN JUAN / NM
Well Number: 29	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMSF078244	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004531206	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2630573

Type of Submission: Subsequent Report

Type of Action: Workover Operations

Date Sundry Submitted: 08/25/2021

Time Sundry Submitted: 02:47

Date Operation Actually Began: 08/12/2021

Actual Procedure: Hilcorp Energy has repaired the packer for the subject well. Attached are the operations details, wellbore schematic, and packer test.

SR Attachments

Actual Procedure

Harms_Way_Federal_30_29_Packer_Repair_Subseq_Report_20210825144635.pdf

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COMPANY

Operator Certification

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 submission of Form 3160-5 or a Sundry Notice.

Operator Electronic Signature: PRISCILLA SHORTY**Signed on:** AUG 25, 2021 02:47 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

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:** 9708783846**BLM POC Email Address:** krennick@blm.gov**Disposition:** Approved**Disposition Date:** 09/10/2021**Signature:** Kenneth Rennick

HARMS WAY FEDERAL 30 29

30.045.31206

PACKER REPAIR

8/12/2021 – MIRU. SPOT EQUIP. RU LAY PUMP AND FLOW LINES. SECURE WELL. CK PRESSURES. **SITP: 140 PSI, SICP: 140 PSI, SIBH: 0 PSI.** BOTH STRINGS WITH THE SAME PRESSURE. NOTIFIED NMOCD OF UPCOMING JOB AT 17:30 ON 8/11/21. NOTIFIED BLM OF UPCOMING JOB AT 17:35 ON 8/11/2021.SDFN.

8/13/2021 - BD WELL. ND WH, INSTALL BPV IN DAKOTA HANGER. NU BOPE WITH OFFSET SPOOL AND PIPE RAMS. RU FLOOR. PULL AND LD THE FRUITLAND TBG HANGER. TIH PICKING UP 6 JTS OF TBG, TAG 2' OF FILL AT 2341'. EST CIRC WITH AIR MIST, CO TO THE TOP OF SEAL ASSEMBLY AT 2343'. LD TAG JTS. TOOH INSPECTING SHORT STRING. NO DOWNGRADES. ND OFFSET SPOOL AND RAMS. WORK STUCK TBG HANGER. TOOH INSPECTING LONG STRING. HEAVY CORROSION ON TBG COLLARS. HOLES FOUND @ 2142' AND 2331'. 39 DOWNGRADES. SDFN.

8/16/2021 – HOLD SAFETY MTG. WO SN AND SEAL ASSEMBLY. SPOT HOT SHOT FLOAT PU AND **RIH W/ 2- 3/8" SLIM HOLE MULESHOE COLLAR, 1.78 SN, AND 216 JTS OF 2 3/8" J-55 4.70# EUE W/ SEAL ASSEMBLY. LAND TBG @ 6812.15'.** HYDRO-TESTED TO 5000# DID NOT FIND ANY LEAKS. SPACED OUT SEAL ASSEMBLY. NU OFF SET SPOOL AND OFF SET RAMS. SDFN.

8/17/2021 – HOLD SAFETY MTG. CHECK WELL PRESSURES, **BH - 0 PSI, PROD - 130 PSI, TBG - 0 PSI.** BD WELL. MU SHORT STRING BHA, **RIH W/ 2 3/8" SLIM HOLE MUD ANCHOR, 1.78 SN AND 66 JTS OF 2 3/8" J-55 4.70# EUE W/ SLIM HOLE COLLARS.** HYDRO-TESTED TO 5000# DID NOT FIND ANY LEAKS. **LAND TUBING @ 2149.20'.** ND BOP & OFFSET SPOOL. NU WH. RD EQUIP. RELEASE RIG @ 11:00 ON 8/17/2021.

8/20/2021 – JONATHAN KELLY WITNESSED PACKER TEST.

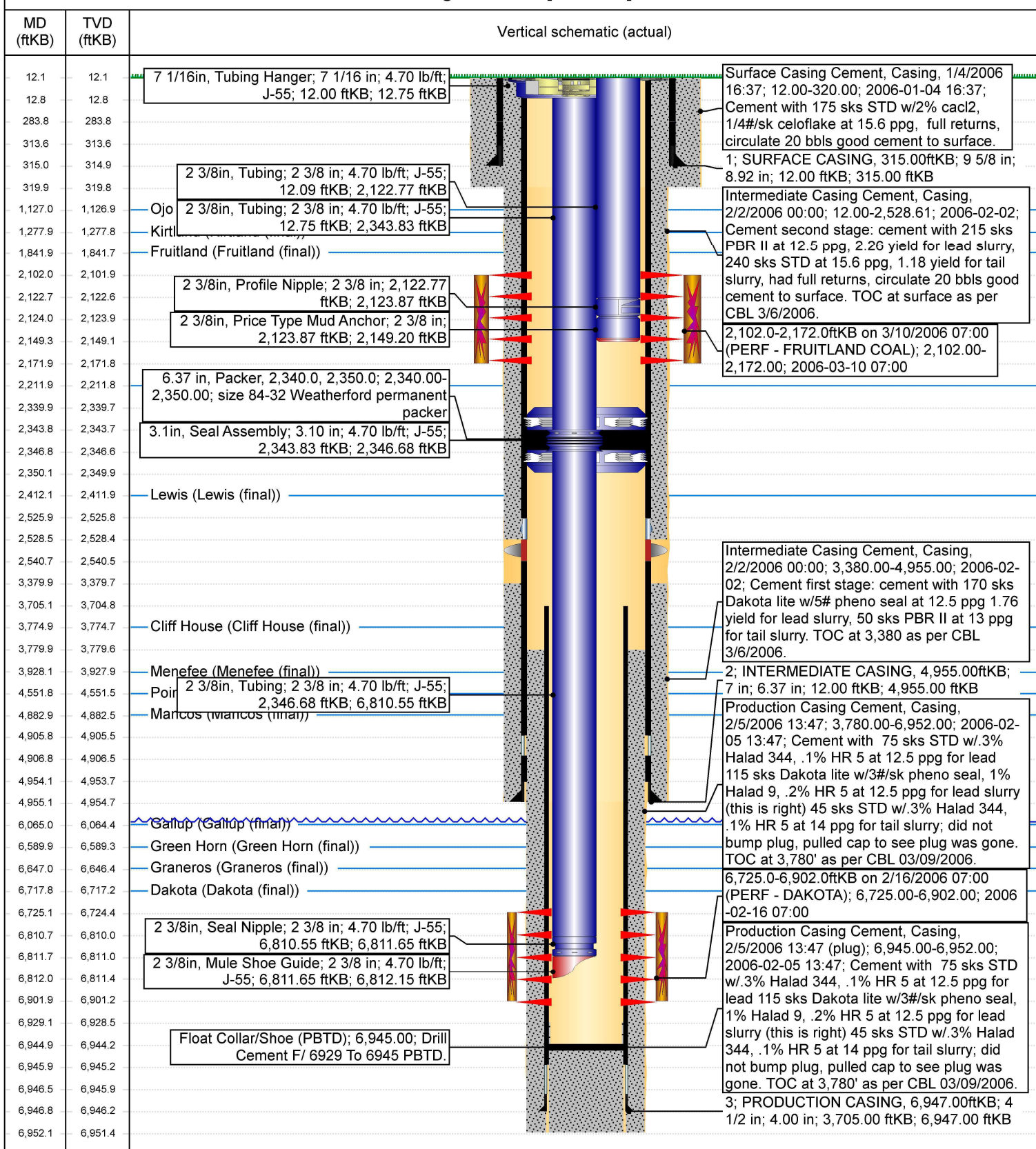


Current Schematic - Version 3

Well Name: HARMS WAY FEDERAL 30 #29

API / UWI 3004531206	Surface Legal Location M-30-31N-12W	Field Name BASIN	Route 0203	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 5,906.00	Original KB/RT Elevation (ft) 5,918.00	KB-Ground Distance (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Original Hole [Vertical]



This form is not to be used for reporting packer leakage tests in Southeast New Mexico

Oil Conservation Division

Northwest New Mexico Packer-Leakage Test

Page 1
Revised June 10, 2003

Operator Hilcorp Energy Company Lease Name HARMS WAY FEDERAL 30 Well No. 29

Location of Well: Unit Letter M Sec 30 Twp 031N Rge 012W API # 30-045-31206

	Name of Reservoir or Pool	Type of Prod	Method of Prod	Prod Medium
Upper Completion	FRC	Gas	Artificial Lift	Tubing
Lower Completion	DK	Gas	Artificial Lift	Tubing

Pre-Flow Shut-In Pressure Data

Upper Completion	Hour, Date, Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilized?(Yes or No)
	8/17/2021		205	161
Lower Completion	Hour, Date, Shut-In	SI Press. PSIG		Stabilized?(Yes or No)
	8/17/2021		0	Yes

Flow Test No. 1

Commenced at: 8/20/2021		Zone Producing (Upper or Lower): UPPER			
Time (date/time)	Lapsed Time Since*	PRESSURE		Prod Zone Temperature	Remarks
		Upper zone	Lower zone		
8/20/2021 8:25 AM	0	161	0		5 minutes into test. Witnessed by Jonathan Kelly.
8/20/2021 8:35 AM	0	161	0		15 minutes into test
8/20/2021 8:50 AM	0	161	0		30 minute test
8/20/2021 8:58 AM	0	100	0		Upper zone was opened to sales.
8/20/2021 9:13 AM	1	86	0		20 minutes into flow test
8/20/2021 9:23 AM	1	80	0		30 minute flow test was complete.
8/24/2021 3:53 PM	103	136	0		Gap in dates due to well being shut-in. M. Kuehling approved flowing & getting pressures for 2 days.
8/25/2021 1:36 PM	125	141	0		Test complete

Production rate during test

Oil: _____ BOPD Based on: _____ Bbls. In _____ Hrs. _____ Grav. _____ GOR _____

Gas _____ MCFPD; Test thru (Orifice or Meter) _____

Mid-Test Shut-In Pressure Data

Upper Completion	Hour, Date, Shut-In	Length of Time Shut-In	SI Press. PSIG	Stabilized?(Yes or No)
Lower Completion	Hour, Date, Shut-In		SI Press. PSIG	Stabilized?(Yes or No)

(Continue on reverse side)

Northwest New Mexico Packer-Leakage Test

Flow Test No. 2

Commenced at:		Zone Producing (Upper or Lower)			
Time (date/time)	Lapsed Time Since*	PRESSURE		Prod Zone Temperature	Remarks
		Upper zone	Lower zone		

Production rate during test

Oil: _____ BOPD Based on: _____ Bbls. In _____ Hrs. _____ Grav. _____ GOR _____
 Gas _____ MCFPD; Test thru (Orifice or Meter) _____

Remarks:

Jonathan Kelly with NMOCD witnessed the test.

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved: _____ 20 _____
 New Mexico Oil Conservation Division

Operator: Hilcorp Energy Company
 By: Pete Jim

By: _____

Title: Multi-Skilled Operator

Title: _____

Date: Wednesday, August 25, 2021

NORTHWEST NEWMEXICO PACKER LEAKAGE TEST INSTRUCTIONS

1. A packer leakage test shall be commenced on each multiply completed well within seven days after actual completion of the well, and annually thereafter as prescribed by the order authorizing the multiple completion. Such tests shall also be commenced on all multiple completions within seven days following recompletion and/or chemical or fracture treatment, and whenever remedial work has been done on a well during which the packer or the tubing have been disturbed. Tests shall also be taken at any time that communication is suspected or when requested by the Division.
2. At least 72 hours prior to the commencement of any packer leakage test, the operator shall notify the Division in writing of the exact time the test is to be commenced. Offset operators shall also be so notified.
3. The packer leakage test shall commence when both zones of the dual completion are shut-in for pressure stabilization. Both zones shall remain shut-in until the well-head pressure in each has stabilized, provided however, that they need not remain shut-in more than seven days.
4. For Flow Test No. 1, one zone of the dual completion shall be produced at the normal rate of production while the other zone remains shut-in. Such test shall be continued for seven days in the case of a gas well and for 24 hours in the case of an oil well. Note: if, on an initial packer leakage test, a gas well is being flowed to the atmosphere due to lack of a pipeline connection the flow period shall be three hours.
5. Following completion of Flow Test No. 1, the well shall again be shut-in, in accordance with Paragraph 3 above.

6. Flow Test No. 2 shall be conducted even though no leak was indicated during Flow Test No. 1. Procedure for Flow Test No. 2 is to be the same as for Flow Test No. 1 except that the previously produced zone shall remain shut-in while the zone which was previously shut-in is produced.
7. Pressures for gas-zone tests must be measured on each zone with a deadweight pressure gauge at time intervals as follows: 3 hours tests: immediately prior to the beginning of each flow period, at fifteen-minute intervals during the first hour thereof, and at hourly intervals thereafter, including one pressure measurement immediately prior to the conclusion of each flow period. 7-day tests: immediately prior to the beginning of each flow period, at least one time during each flow period (at approximately the midway point) and immediately prior to the conclusion of each flow period. Other pressures may be taken as desired, or may be requested on wells which have previously shown questionable test data.
 24-hour oil zone tests: all pressures, throughout the entire test, shall be continuously measured and recorded with recording pressure gauges the accuracy of which must be checked at least twice, once at the beginning and once at the end of each test, with a deadweight pressure gauge. If a well is a gas-oil or an oil-gas dual completion, the recording gauge shall be required on the oil zone only, with deadweight pressures as required above being taken on the gas zone.
8. The results of the above-described tests shall be filed in triplicate within 15 days after completion of the test. Tests shall be filed with the Aztec District Office of the New Mexico Oil Conservation Division on Northwest New Mexico Packer Leakage Test Form Revised 10-01-78 with all deadweight pressures indicated thereon as well as the flowing temperatures (gas zones only) and gravity and GOR (oil zones only).

Sante Fe Main Office
Phone: (505) 476-3441

General Information
Phone: (505) 629-6116

Online Phone Directory
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 47848

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 47848
	Action Type: [C-103] Sub. Workover (C-103R)

CONDITIONS

Created By	Condition	Condition Date
andrew.fordyce	None	2/23/2026