

Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116  Online Phone Directory Visit: <a href="https://www.emnrd.nm.gov/ocd/contact-us/">https://www.emnrd.nm.gov/ocd/contact-us/</a>	State of New Mexico Energy, Minerals & Natural Resources Department <b>OIL CONSERVATION DIVISION</b>	<b>C-104</b> Revised July 9, 2024  Submit Electronically Via OCD Permitting
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**REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT**

**Section 1 - Operator and Well Information**

Submittal Type: <input type="checkbox"/> Test Allowable (C-104RT) <input type="checkbox"/> New Well (C-104NW) <input checked="" type="checkbox"/> Recomplete (C-104RC) <input type="checkbox"/> Pay Add (C-104RC) <input type="checkbox"/> Amended	
Operator Name: Hilcorp Energy Company	OGRID: 372171
Property Name and Well Number: Howell A 1	Property Code: 318562
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal	API Number: 30-045-13298
Pool Name: Basin Fruitland Coal (Gas)	Pool Code: 71629

**Section 2 – Surface Location**

UL G	Section 08	Township 30N	Range 08W	Lot	Ft. from N/S 1650' FNL	Ft. from E/W 1650' FEL	Latitude 36.8282738	Longitude -107.6954193	County San Juan
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**Section 3 – Completion Information**

Producing Method Flowing	Ready Date 5/14/2025	Perforations MD 2946' – 3147'	Perforations TVD 2946' – 3147'
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**Section 4 – Action IDs for Submissions and Order Numbers**

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW): 457186	Communitization Agreement <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Surface Casing Action ID: Prior to System	Unit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Intermediate 1 Casing Action ID: Prior to System	Compulsory Pooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Intermediate 2 Casing Action ID: Prior to System	Down Hole Commingling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No. <b>DHC 5489</b>
Production Casing Action ID: Prior to System	Surface Commingling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
All casing was pressure tested in accordance with NMAC <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Non-standard Location: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Common ownership Order No.
Liner 1 Action ID: Prior to System	Non-standard Proration: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): Y	Simultaneous Dedication: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.

**Section 5 - Operator Signature and Certification**

<input checked="" type="checkbox"/> I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
<input checked="" type="checkbox"/> I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
<input checked="" type="checkbox"/> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name 	
Title: Operations Regulatory Tech Sr.	Date 5/28/2025

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

FORM APPROVED  
 OMB No. 1004-0137  
 Expires: July 31, 2018

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.  
**NMSF078580**

1a. Type of Well  Oil Well  Gas Well  Dry  Other  
 b. Type of Completion:  New Well  Work Over  Deepen  Plug Back  Diff. Resvr.,  
 Other: Recomplete

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

2. Name of Operator  
**Hilcorp Energy Company**

8. Lease Name and Well No.  
**Howell A 1**

3. Address  
**382 Road 3100, Aztec, NM 87410**

3a. Phone No. (include area code)  
**(505) 599-3400**

9. API Well No.  
**30-045-13298**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*

At surface  
**G (SWNE) 1650' FNL & 1650' FEL**

At top prod. Interval reported below

At total depth

10. Field and Pool or Exploratory  
**Basin Fruitland Coal (Gas)**

11. Sec., T., R., M., on Block and Survey or Area  
**Sec. 08, T30N, R08W**

12. County or Parish **San Juan** 13. State **New Mexico**

14. Date Spudded  
**3/1/1951**

15. Date T.D. Reached  
**4/29/1951**

16. Date Completed **5/14/2025**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*  
**6330'**

18. Total Depth:  
**5560'**

19. Plug Back T.D.:  
**5455'**

20. Depth Bridge Plug Set: MD  
 TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)  
**CBL**

22. Was well cored?  No  Yes (Submit analysis)  
 Was DST run?  No  Yes (Submit report)  
 Directional Survey?  No  Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12 1/4"	9 5/8", J-55	36#		309'		120 sx			
8 3/4"	7", J-55	20#		4785'		375 sx			
6 1/4"	5 1/2", K-55	15.5#	4658'	5463'		170 sx			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	5444'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Fruitland Coal	2946'	3147'	4/3 SPF	0.37"	232	Open
B)						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, etc.

Depth Interval	Amount and Type of Material
Fruitland Coal (2946' - 2965')	FRAC AT 50 BPM W/ 70Q N2 FOAM. TOTAL LOAD: 282 BBLs SLICKWATER: 258 BBLs TOTAL ACID: 24 BBLs TOTAL 30/50 SAND: 20,335 LBS TOTAL 100 MESH SAND: 1,976 LBS TOTAL N2: 260,000 SCF
Fruitland Coal (3051'- 3066')	FRAC AT 50 BPM W/ 70Q N2 FOAM. TOTAL LOAD: 270 BBLs SLICKWATER: 246 BBLs TOTAL ACID: 24 BBLs TOTAL 30/50 SAND: 18,269 LBS TOTAL 100 MESH SAND: 1,993 LBS TOTAL N2: 249,000 SCF
Fruitland Coal (3104'- 3147')	FRAC AT 50 BPM W/ 70Q N2 FOAM. TOTAL LOAD: 568 BBLs SLICKWATER: 544 BBLs TOTAL ACID: 24 BBLs TOTAL 30/50 SAND: 34,312 LBS TOTAL 100 MESH SAND: 3,907 LBS TOTAL N2: 475,000 SCF

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
5/14/2025	5/14/2025	4	➔	0	253	0			Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
28/64"	0 psi	120 psi	➔	0	1518	0			Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➔						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			➔						

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			██████████						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			██████████						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			██████████						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			██████████						

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

**SOLD**

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem test, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Ojo Alamo	1714'	1898'	White, cr-gr ss	Ojo Alamo	1714'
Kirtland	1898'	2730'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	1898'
Fruitland	2730'	3168'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2730'
Pictured Cliffs	3168'	3447'	Bn-Gry, fine gm, tight ss.	Pictured Cliffs	3168'
Lewis	3447'	4208'	Shale w/ siltstone stringers	Lewis	3447'
Chacara	4208'	4679'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacara	4208'
Cliffhouse	4679'	5017'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	4679'
Menefee	5017'	5369'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5017'
Point Lookout	5369'	'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5369'
Mancos	'	'	Dark gry carb sh.	Mancos	'
Gallup	'	'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	'
Greenhorn	'	'	Highly calc gry sh w/ thin lmst.	Greenhorn	'
Graneros	'	'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	'
Dakota	'	'	Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	'
Morrison	'	'	Interbed gm, brn & red waxy sh & fine to coard gm ss	Morrison	'

32. Additional remarks (include plugging procedure):

**This well is now producing as a FC/MV commingle under DHC 5489  
The FC will report to Lease NMSF078580**

33. Indicate which items have been attached by placing a check in the appropriate boxes:

- Electrical/Mechanical Logs (1 full set req'd.)     
  Geologic Report     
  DST Report     
  Directional Survey  
 Sundry Notice for plugging and cement verification     
  Core Analysis     
  Other:

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) Amanda Walker Title Operations/Regulatory Technician - Sr.  
 Signature  Date 5/28/2025

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.



Outlook

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[EXTERNAL] Well Name: HOWELL A, Well Number: 1, Notification of Well Completion Acceptance

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From blm-afmss-notifications@blm.gov <blm-afmss-notifications@blm.gov>

Date Wed 5/28/2025 12:58 PM

To Mandi Walker <MWALKER@HILCORP.COM>

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

The Bureau of Land Management

## Notice of Acceptance for Well Completion Report

- Operator Name: **HILCORP ENERGY COMPANY**
- Well Name: **HOWELL A**
- Well Number: **1**
- US Well Number: **3004513298**
- Well Completion Report Id: **WCR2025052895615**

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This notification is automatically generated. Please do not reply to this message as this account is not monitored.

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

**Well Name:** HOWELL A

**Well Location:** T30N / R8W / SEC 8 /  
SWNE / 36.82809 / -107.69469

**County or Parish/State:** SAN  
JUAN / NM

**Well Number:** 1

**Type of Well:** CONVENTIONAL GAS  
WELL

**Allottee or Tribe Name:**

**Lease Number:** NMSF078580

**Unit or CA Name:**

**Unit or CA Number:**

**US Well Number:** 3004513298

**Operator:** HILCORP ENERGY  
COMPANY

### Subsequent Report

**Sundry ID:** 2854857

**Type of Submission:** Subsequent Report

**Type of Action:** Recompletion

**Date Sundry Submitted:** 05/28/2025

**Time Sundry Submitted:** 07:54

**Date Operation Actually Began:** 04/21/2025

**Actual Procedure:** The following well has been recompleted into the Fruitland Coal and is now producing as a FC/MV commingle under DHC 5489. Please see the attached for the recompletion operations.

### SR Attachments

**Actual Procedure**

HOWELL\_A\_1\_RC\_SR\_Writeup\_20250528075348.pdf

Well Name: HOWELL A

Well Location: T30N / R8W / SEC 8 / SWNE / 36.82809 / -107.69469

County or Parish/State: SAN JUAN / NM

Well Number: 1

Type of Well: CONVENTIONAL GAS WELL

Allottee or Tribe Name:

Lease Number: NMSF078580

Unit or CA Name:

Unit or CA Number:

US Well Number: 3004513298

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: AMANDA WALKER

Signed on: MAY 28, 2025 07:54 AM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Technician

Street Address: 1111 TRAVIS ST

City: HOUSTON

State: TX

Phone: (346) 237-2177

Email address: MWALKER@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: 05/28/2025

Signature: Matthew Kade

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

<b>SUBMIT IN TRIPLICATE - Other instructions on page 2</b>		5. Lease Serial No.
1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other		6. If Indian, Allottee or Tribe Name
2. Name of Operator		7. If Unit of CA/Agreement, Name and/or No.
3a. Address	3b. Phone No. (include area code)	8. Well Name and No.
4. Location of Well (Footage, Sec., T.,R.,M., or Survey Description)		9. API Well No.
		10. Field and Pool or Exploratory Area
		11. Country or Parish, State

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	
	Title
Signature	Date

**THE SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by		
	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		Office

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.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Location of Well

0. SHL: SWNE / 1650 FNL / 1650 FEL / TWSP: 30N / RANGE: 8W / SECTION: 8 / LAT: 36.82809 / LONG: -107.69469 ( TVD: 0 feet, MD: 0 feet )

BHL: SWNE / 1650 FNL / 1650 FEL / TWSP: 30N / SECTION: / LAT: 36.82809 / LONG: 107.69469 ( TVD: 0 feet, MD: 0 feet )



## Well Operations Summary L48

**Well Name: HOWELL A #1**

API: 3004513298	Field: BLANCO MESAVERDE (PRORAT #0078)	State: NEW MEXICO
Permit to Drill (PTD) #:	Sundry #:	Rig/Service: RIGLESS 1

**Jobs**

**Actual Start Date:** 4/21/2025      **End Date:** 5/13/2025

Report Number	Report Start Date	Report End Date
1	4/21/2025	4/21/2025

Operation

CREW TRAVEL TO LOCATION

MOVE RIG FROM THE RIDDLE 1B TO THE HOWELL A #1 (10 MILE MOVE). SPOT RIG AND EQUIPMENT.

RIG UP.

SITP: 38 PSI  
 SICP: 38 PSI  
 SIIC: 0 PSI  
 SIBH: 0 PSI  
 BLOW DOWN 5 MIN

NIPPLE DOWN WELLHEAD, NIPPLE UP BOPE. RIG UP FLOOR.

PULL AND LAY DOWN TUBING HANGER, DID NOT TAG FOR FILL.

RIG UP TUBOSCOPE SCANNING EQUIPMENT.  
 TRIP OUT OF HOLE INSPECTING 2 3/8" TUBING.

2- YELLOW  
 20- BLUE  
 42- GREEN  
 108- RED

INTERNAL PITTING AND CORROSION FOUND, NO CONFIRMED HOLE FOUND.  
 RIG DOWN TUBOSCOPE SCANNING EQUIPMENT.

WAIT ON REPLACEMENT TUBING TO BE LOADED AND DELIVERED.  
 PREP TUBING.

TRIP IN THE HOLE PICKING UP REPLACEMENT TUBING WITH 4 3/4" STRING MILL TO 4030',  
 SECURE WELL AND LOCATION

TRAVEL TO YARD

Report Number	Report Start Date	Report End Date
2	4/22/2025	4/22/2025

Operation

CREW TRAVEL TO LOCATION

SERVICE AND START EQUIPMENT.

SITP: 38 PSI  
 SICP: 20 PSI  
 SIIC: 0 PSI  
 SIBH: 0 PSI  
 BLOW DOWN 5 MIN

TRIP OUT OF THE HOLE LAY DOWN STRING MILL.  
 PICK UP 5 1/2" CIBP AND TRIP IN THE HOLE, **SET CIBP AT 3982'**.  
 LOAD HOLE WITH 89 BBLs OF BIOCIDE WATER.  
 PRESSURE TEST CASING AND PLUG TO 560 PSI, PRESSURE CONTINUED TO CLIMB DUE TO HEAT EXPANSION.

TRIP OUT OF THE HOLE LAYING DOWN TUBING.

RIG UP BASIN LOGGING AND RUN CBL WITH 500 PSI ON THE CASING.

INCIDENT INVESTIGATION,  
 SECURE WELL AND LOCATION

TRAVEL TO YARD

Report Number	Report Start Date	Report End Date
3	4/23/2025	4/23/2025

Operation

CREW TRAVEL TO LOCATION.

SERVICE AND START EQUIPMENT.

SITP: 0 PSI  
 SICP: 0 PSI  
 SIIC: 0 PSI  
 SIBH: 0 PSI  
 NO BLOW DOWN



## Well Operations Summary L48

**Well Name: HOWELL A #1**

**API: 3004513298**

**Field: BLANCO MESAVERDE (PRORAT #0078**

**State: NEW MEXICO**

**Sundry #:**

**Rig/Service: RIGLESS 1**

Operation

RIG UP WELLCHECK AND RUN A PRE TEST 560 PSI.

RUN A WITNESSED MIT VIA FACE TIME, TEST WITNESSED BY MONICA AND JOHN.  
560 PSI GOOD TEST.

RIG UP BASIN LOGGING AND **SET SELECT COMPOSITE BRIDGE PLUG AT 3218'** FOR BASE OF FRAC.  
RIG DOWN BASIN.

RIG DOWN FLOOR, NIPPLE DOWN BOPE.

CHANGE OUT WELLHEAD, STUB UP 5 1/2" CASING. NIPPLE UP 5K WELLHEAD.

PRESSURE TEST VOID 2000PSI, GOOD TEST.

NIPPLE UP 7" X 5K FRAC STACK.

PRESSURE TEST 5 1/2" CASING AND FRAC STACK TO 3200 PSI FOR 30 MINUTES.

COULD NOT HOLD PRESSURE ON THE 7" INTERMEDIATE CASING, THERE IS CEMENT TO SURFACE.

IT WILL PRESSURE UP IMMEDIATELY AND SLOWLY BLEED OFF. MONITORED BACKSIDE DURING PRESSURE TEST WITH NO PRESSURE BUILD.

RIG DOWN, RIG RELEASED TO THE SAN JUAN 32-9 #274

SECURE WELL AND LOCATION

TRAVEL TO YARD

Report Number

4

Report Start Date

5/9/2025

Report End Date

5/9/2025

Operation

MOVE IN AND SPOT GORE N2 SERVICES AND BASIN WELL LOGGING.

R/U BASIN WELL LOGGING. RIH AND CORRELATE TO LOG RAN ON 04-22-2025. GUN WOULD NOT FIRE POOH FOUND EB SWITCH BROKE. C/O TOP FRAC VALVE FLANGE DUE TO WRONG SIZE. PU AND RIH **PERFORATE FRUITLAND ZONE (GREEN/BROWN) FROM (3104' - 3147') 3 SPF, 96 SHOTS TOTAL 0.37" DIA.** ALL SHOTS FIRED.

PRIME EQUIPMENT. PRESSURE TEST FLUID LINES TO 4500 PSI. GOOD TEST. PRESSURE TEST N2 LINES TO 5,000 PSI. GOOD TEST.

HELD PRE JOB SAFETY MEETING WITH ALL PERSONAL ON LOCATION.

FRUITLAND ZONE (BROWN/GREEN) STIMULATION: (3,104'-3147') FRAC AT 50 BPM W/ 70Q N2 FOAM. TOTAL LOAD: 568 BBLS SLICKWATER: 544 BBLS TOTAL ACID: 24 BBLS TOTAL 30/50 SAND: 34,312 LBS TOTAL 100 MESH SAND: 3,907 LBS TOTAL N2: 475,000 SCF AVERAGE RATE: 50.2 BPM MAX RATE: 50.8 BPM AVERAGE PRESSURE: 2,187 PSI MAX PRESSURE: 2,304 PSI MAX SAND CONC: 3.0 PPG DOWNHOLE. ISIP: 1668 PSI 5 MIN: 1119 PSI

**SET COMPOSITE BRIDGE PLUG (SELECT) AT 3,085'. PERFORATE FRUITLAND ZONE (PURPLE) FROM (3,051' - 3,066') 4 SPF, 60 SHOTS TOTAL 0.37" DIA.** ALL SHOTS FIRED.

FRUITLAND (PURPLE) STIMULATION: (3,051-3,066') FRAC AT 50 BPM W/ 70Q N2 FOAM. TOTAL LOAD: 270 BBLS SLICKWATER: 246 BBLS TOTAL ACID: 24 BBLS TOTAL 30/50 SAND: 18,269 LBS TOTAL 100 MESH SAND: 1,993 LBS TOTAL N2: 249,000 SCF AVERAGE RATE: 49.7 BPM MAX RATE: 50.5 BPM AVERAGE PRESSURE: 2,478 PSI MAX PRESSURE: 2,536 PSI MAX SAND CONC: 3.0 PPG DOWNHOLE. ISIP: 1528 PSI 5 MIN: 997

**SET COMPOSITE BRIDGE PLUG (SELECT) AT 3,010'. PERFORATE FRUITLAND ZONE (BLUE) FROM (2,946'-2965') 4 SPF 76 SHOTS TOTAL 0.37" DIA.** ALL SHOTS FIRED.

FRUITLAND (BLUE) STIMULATION: (2,946-2965') FRAC AT 50 BPM W/ 70Q N2 FOAM. TOTAL LOAD: 282 BBLS SLICKWATER: 258 BBLS TOTAL ACID: 24 BBLS TOTAL 30/50 SAND: 20,335 LBS TOTAL 100 MESH SAND: 1,976 LBS TOTAL N2: 260,000 SCF AVERAGE RATE: 50.0 BPM MAX RATE: 50.9 BPM AVERAGE PRESSURE: 1,954 PSI MAX PRESSURE: 2042 PSI MAX SAND CONC: 2.5 PPG DOWNHOLE. ISIP: 1,371 PSI 5 MIN: 1,062 PSI

RIH AND **SET PLUG AT 2,760'**. BLEED OFF 4-1/2" CASING.

SHUT IN, SECURE WELL AND LOCATION.

RIG DOWN FRAC AND WIRELINE EQUIPMENT.

Report Number

5

Report Start Date

5/10/2025

Report End Date

5/10/2025

Operation

CREW TRAVEL TO LOCATION.

MOVE RIG FROM THE SAN JUAN 32-8 #235A TO THE HOWELL A #1 (3 MILE MOVE). SPOT RIG AND EQUIPMENT.

RIG UP

SITP: 0 PSI  
SICP: 0 PSI  
SIIC: 0 PSI  
SIBH: 0 PSI  
NO BLOW DOWN

NIPPLE DOWN FRAC STACK. INSTALL TUBING HANGER WITH BPV INSTALLED.

NIPPLE UP BOPE, RIG UP DYNAMIC AND PRESSURE TEST BOPE, 200 PSI LOW AND 2000 PSI HIGH BLIND AND PIPE RAMS, GOOD TEST, REMOVE HANGER.

PICK UP 4 7/8" JUNK MILL AND 6-3 1/8" DRILL COLLARS, TRIP IN HOLE PICKING UP 2 3/8" TUBING.  
TAG 10' OF SAND AT 2750'

PICK UP AND RIG UP POWER SWIVEL,  
UNLOAD WELL AND ESTABLISH CIRCULATION WITH AIR MIST 1300 CFM WITH 14 BBLS WATER 2 GALLONS OF FOAMER, 1 GALLON INHIBITOR PER HOUR.  
**DRILL PLUG #1 @ 2760'** WELL MAKING UP TO 2 CUPS OF SAND.  
1 HOUR TO DRILL PLUG #1



## Well Operations Summary L48

**Well Name: HOWELL A #1**

**API: 3004513298**

**Field: BLANCO MESAVERDE (PRORAT #0078**

**State: NEW MEXICO**

**Sundry #:**

**Rig/Service: RIGLESS 1**

Operation

CHASE PLUG PARTS, TAG 10' OF SAND AT 3000' **DRILL PLUG #2 AT 3010'** WITH AIR MIST 1300 CFM WITH 14 BBLS WATER 2 GALLONS OF FOAMER, 1 GALLON INHIBITOR PER HOUR.  
1 HOUR TO DRILL PLUG #2

CHASE PLUG PARTS, TAG 20' OF SAND AT 3065' **DRILL PLUG #3 AT 3085'** WITH AIR MIST 1300 CFM WITH 14 BBLS WATER 2 GALLONS OF FOAMER, 1 GALLON INHIBITOR PER HOUR.  
2 HOURS TO DRILL PLUG #3

HANG SWIVEL IN THE DERRICK AND TRIP OUT OF THE HOLE 5 STANDS TO 2725'.

SECURE WELL AND TRAVEL TO YARD.

Report Number  
6

Report Start Date  
5/11/2025

Report End Date  
5/11/2025

Operation

CREW TRAVEL TO LOCATION.

SERVICE AND START EQUIPMENT

SITP: 0 PSI  
SICP: 200 PSI  
SIIC: 0 PSI  
SIBH: 0 PSI  
5 MIN BLOW DOWN

TRIP IN HOLE WITH 5 STANDS, PICK UP 4 JOINTS TAG 10' OF FILL AT 3208'  
PICK UP AND RIG UP POWER SWIVEL,  
UNLOAD WELL AND ESTABLISH CIRCULATION WITH AIR MIST 1300 CFM WITH 14 BBLS WATER 2 GALLONS OF FOAMER, 1 GALLON INHIBITOR PER HOUR.  
**DRILL PLUG #4 AT 3218'** WELL MAKING A TRACE OF SAND.  
1 1/2 HOURS TO DRILL PLUG #4.

HANG SWIVEL IN THE DERRICK AND TRIP IN THE HOLE PICKING UP 22 JOINTS OF TUBING, TAG 15' OF SAND AT 3969'

PICK UP AND RIG UP POWER SWIVEL,  
UNLOAD WELL AND ESTABLISH CIRCULATION WITH AIR MIST 1300 CFM WITH 14 BBLS WATER 2 GALLONS OF FOAMER, 1 GALLON INHIBITOR PER HOUR.  
**DRILL PLUG #5 AT 3982'** WELL MAKING A TRACE OF SAND.  
1 1/2 HOURS TO DRILL PLUG #5.

HANG SWIVEL IN THE DERRICK AND TRIP IN THE HOLE PICKING UP 32 JOINTS TAG PLUG AT 5025'.  
PLUG STUCK IN MV PERFS.

PICK UP AND RIG UP POWER SWIVEL,  
ESTABLISH CIRCULATION WITH AIR MIST 1800 CFM WITH 14 BBLS WATER 2 GALLONS OF FOAMER, 2 GALLONS INHIBITOR PER HOUR.  
CHASE AND MILL PLUG PARTS 5025' TO 5455' PBTD.  
CIRCULATE WELL CLEAN.

HANG SWIVEL IN THE DERRICK AND TRIP OUT OF THE HOLE

SECURE WELL AND TRAVEL TO YARD.

Report Number  
7

Report Start Date  
5/12/2025

Report End Date  
5/12/2025

Operation

CREW TRAVEL TO LOCATION.

SERVICE AND START EQUIPMENT

SITP: 0 PSI  
SICP: 0 PSI  
SIIC: 180 PSI  
SIBH: 0 PSI  
BLOW DOWN 10 MINUTES

TRIP OUT OF THE HOLE AND LAY DOWN DRILL COLLARS.

KILL WELL, PICK UP BHA AND TRIP IN THE HOLE.



## Well Operations Summary L48

**Well Name: HOWELL A #1**

**API: 3004513298**

**Field: BLANCO MESAVERDE (PRORAT #0078**

**State: NEW MEXICO**

**Sundry #:**

**Rig/Service: RIGLESS 1**

Operation

**LAND TUBING AS FOLLOWS:**

- (1)- 2 3/8" BULL PLUG. SLIM HOLE COLLAR
- (1)- 2 3/8" MUD ANCHOR EXTENSION (10.00')
- (1)- 2 3/8" PGA-1 ANCHOR (32.80')
- (1)- 2 3/8" X 1.78 SEAT NIPPLE (1.10')
- (170)- 2 3/8" 4.7# J-55 YELLOW TBG (5339.92')
- (2)- 2 3/8" X 8', 10' PUP JOINTS.
- (1)- 2 3/8" 4.7# J-55 YELLOW TBG (31.32')
- (1)- 2 3/8" X 5K TUBING HANGER

**EOT @ 5444'**

SEAT NIPPLE @ 5400.24'

PBTD @ 5455'

**RIG DOWN FLOOR, NIPPLE DOWN BOPE, NIPPLE UP WELLHEAD.**

**DOWN HOLE PUMP ASSEMBLY & ROD STRING.**

- (1)- 1.315" X 8' STRAINER NIPPLE.
- (1)- 2"X 1 1/4" X 10' X 14' RHAC-Z HVR SN HIL-1171
- (1)- 3/4" X 8' GUIDED ROD.
- (1)- 18K SHEAR TOOL
- (10)- 1 1/4" SINKER BARS.(250')
- (205)- 3/4" SLICK RODS. (5125')
- (1)- 3/4" X 2', PONY ROD
- (1)- 1 1/4" X 22' POLISHED ROD.

PUMP SEATED @ 5400.24'

EOT @ 5444'

PBTD @ 5455'

2"X 1 1/4" X 10' X 14' RHAC-Z HVR SN HIL-1171

TRIP IN HOLE PICKING UP RODS, SEAT PUMP, SPACE OUT,  
LOAD TUBING WITH 20 BBLs OF WATER, PRESSURE TEST TO 1000 PSI. GOOD TEST.  
CLAMP OFF POLISH ROD, WAIT ON PUMPING UNIT.

**RIG DOWN RIG AND AIR COMPRESSOR.**

RIG RELEASED TO THE NORDHAUS #2B

**TRAVEL TO YARD**

Report Number 8	Report Start Date 5/13/2025	Report End Date 5/13/2025
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Operation

MOVE IN IDEAL COMPLETIONS EQUIPMENT. R/U SEPARATION EQUIPMENT. FLOWBACK WELL TO FLARE. MONITOR O2 CONTENT. SELLABLE GAS ACHIEVED. FLOW GAS TO SALES LINE FOR 4 HOURS. SIW. TURN WELL OVER TO PRODUCTION. RDMO IDEAL COMPLETIONS EQUIPMENT.



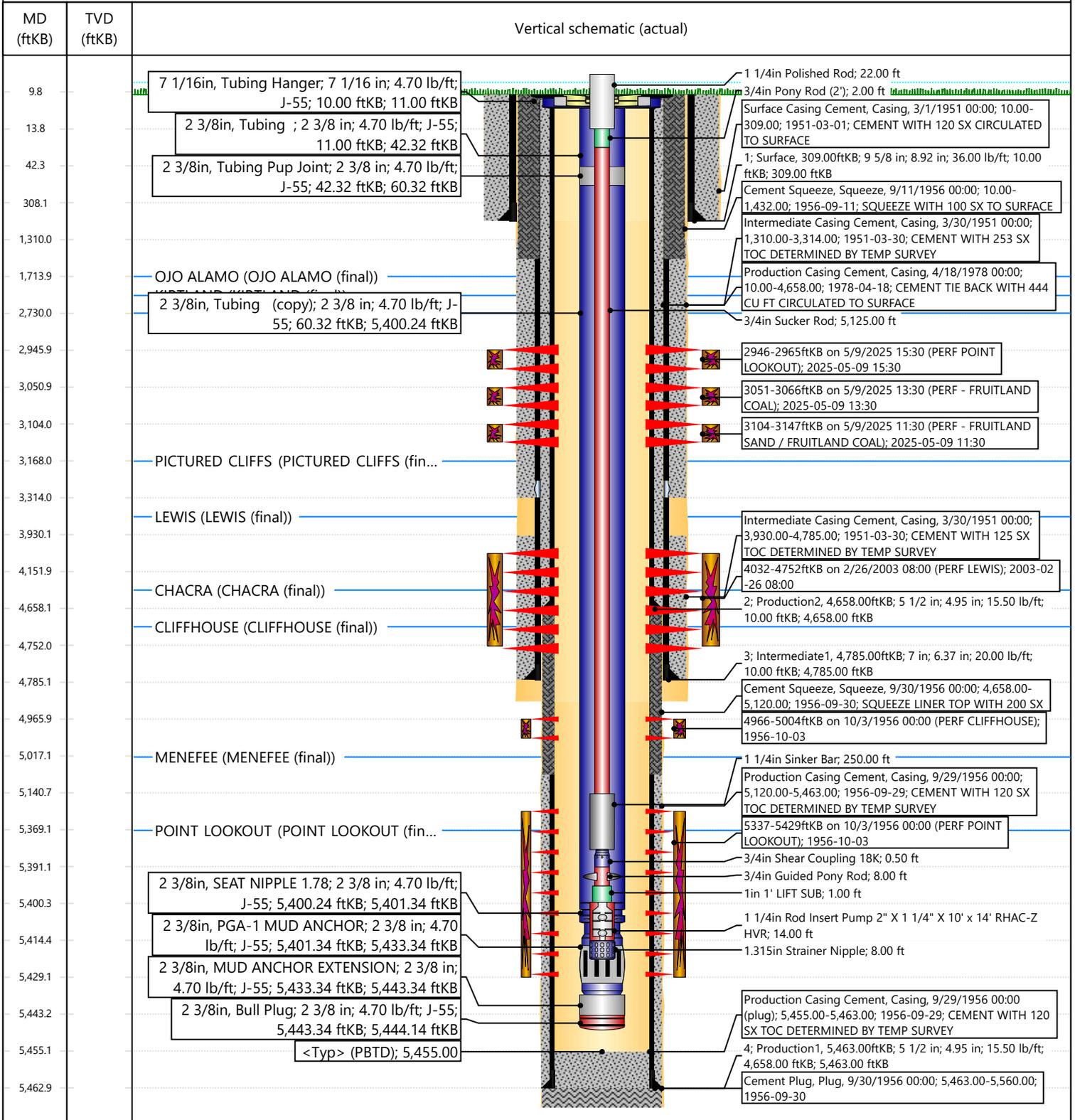
### Current Schematic - Version 3

Well Name: **HOWELL A #1**

API / UWI 3004513298	Surface Legal Location 008-030N-008W-G	Field Name BLANCO MESAVERDE (PRORAT #0078)	Route 0407	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,330.00	Original KB/RT Elevation (ft) 6,340.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 10.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

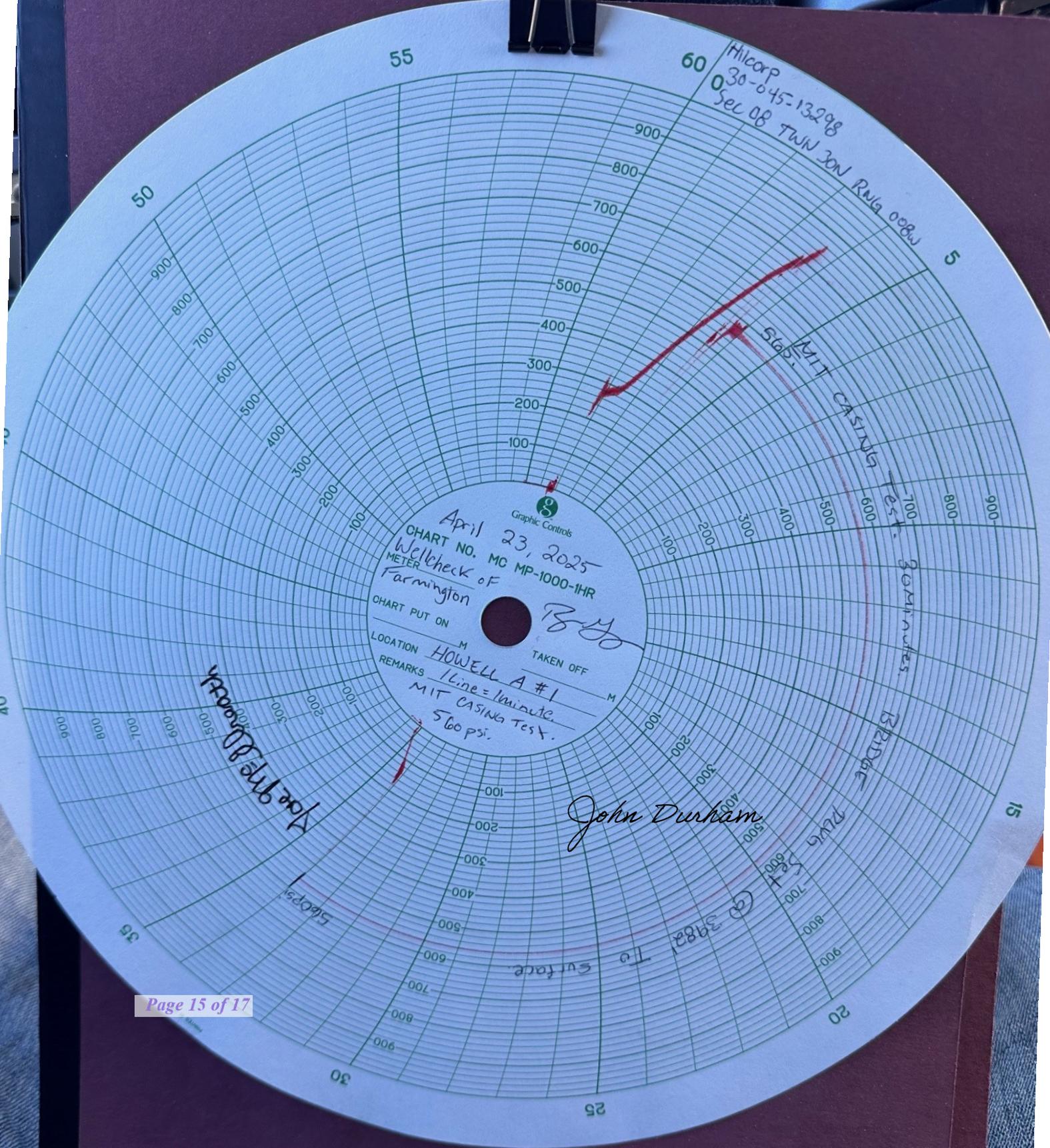
Tubing Strings					
Run Date 5/12/2025 08:00	Set Depth (ftKB) 5,444.14	String Max Nominal OD (in) 2 3/8	String Min Nominal ID (in) 2.00	Weight/Length (lb/ft) 4.70	Original Spud Date 3/1/1951 00:00

### Original Hole, 30045132980000





Hilcorp  
30-045-13298  
Sec 08 TWN 30N R14 008W



Graphic Controls  
 April 23, 2025  
 CHART NO. MC MP-1000-1HR  
 Wellcheck of Farmington  
 METER  
 CHART PUT ON  
 LOCATION HOWELL A #1  
 REMARKS 1 Line = 1 minute.  
 MIT CASING TEST.  
 560 psi.

John Durham

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**

ACKNOWLEDGMENTS

Action 468551

**ACKNOWLEDGMENTS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 468551
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

**ACKNOWLEDGMENTS**

<input checked="" type="checkbox"/>	I hereby certify that the required Water Use Report has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the required FracFocus disclosure has been, or will be, submitted for this wells completion.
<input checked="" type="checkbox"/>	I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

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

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CONDITIONS

Action 468551

**CONDITIONS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 468551
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

**CONDITIONS**

Created By	Condition	Condition Date
plmartinez	None	5/30/2025