

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: SAN JUAN 29-7 UNIT 116	Property Code: 318713
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal	API Number: 30-039-22033
Pool Name: BASIN MANCOS	Pool Code: 97232

**Section 2 – Surface Location**

UL K	Section 30	Township 29N	Range 07W	Lot	Ft. from N/S 1800'S	Ft. from E/W 1250'W	Latitude 36.6947174	Longitude -107.614975	County Rio Arriba
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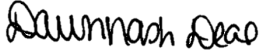
**Section 3 – Completion Information**

Producing Method SHUT IN	Ready Date 11/27/2024	Perforations MD 6260'-6701'	Perforations TVD 6260'-6701'
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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): 396413	Communitization Agreement <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Surface Casing Action ID: Previous to system	Unit: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No.
Intermediate 1 Casing Action ID: Previous to system	Compulsory Pooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Intermediate 2 Casing Action ID: Previous to system	Down Hole Commingling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No. Pending DHC approval
Production Casing Action ID: Previous 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: Previous 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): Yes	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 Dawn Nash-Deal 	
Title: Operations Regulatory Tech *Note: Extension granted on 11/18/2024 via email, new C-104 RC due 12/29/2024 (S.McGrath)	Date 12/18/2024

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

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**

2. Name of Operator

**Hilcorp Energy Company**

3. Address

**382 Road 3100, Aztec, NM 87410**

3a. Phone No. (include area code)

**(505) 599-3400**

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

At surface

**K (NE/SW) 1800' FSL & 1250' FWL**

At top prod. Interval reported below

At total depth

14. Date Spudded

**9/6/1979**

15. Date T.D. Reached

**9/16/1979**

16. Date Completed 11/27/2024

☐ D & A ☒ Ready to Prod.

18. Total Depth:

**7450'**

19. Plug Back T.D.:

**7443'**

20. Depth Bridge Plug Set:

MD

TVD

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

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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
13 3/4"	9 5/8", KS	36		224'		224 CU FT			
8 3/4"	7", KS	20		3249'		280 CU FT			
6 1/4"	4 1/2", K-55	10.5, 11.6		7450'		650 CU FT			
			3831'	3863'		73 SKS			

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"	5399'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) CASING LEAK	3831'	3863'				SQUEEZED
B) BASIN MANCOS	6260'	6701'	1 SPF	0.42"	64	OPEN
C)						
D)						

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

Depth Interval	Amount and Type of Material
CASING LEAK	#1 CLASS G CEMENT, (15 SX) 15.8 PPG. 1.15 YLD, #2 CLASS G CEMENT, (20 SX) 15.8 PPG. 1.15 YLD, #3 CLASS G CEMENT, (38 SX) 15.8 PPG. 1.15 YLD
BASIN MANCOS (6260'-6701')	FOAM FRAC'D WITH 200,248 LBS 20/40 ARIZONA AND 127,932 GAL SLICKWATER AND 4.82 MILLION SCF N2. 60 QUALITY.

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
			➡						SHUT IN
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			➡					SHUT IN	

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	
			➡						

\*(See instructions and spaces for additional data on page 2)

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	2007'	2160'	White, cr-gr ss	Ojo Alamo	2007'
Kirtland	2160'	2518'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2160'
Fruitland	2518'	2910'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2518'
Pictured Cliffs	2910'	3013'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2910'
Lewis	3013'	3917'	Shale w/ siltstone stingers	Lewis	3013'
Chacra	3917'	'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	3917'
Cliffhouse		4738'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	'
Menefee	4738'	5135'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4738'
Point Lookout	5135'	5791'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5135'
Mancos	5791'	6680'	Dark gry carb sh.	Mancos	5791'
Gallup	6680'	7118'	Lt. gry to brn calc carb micac glucac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6680'
Greenhorn	7118'	7165'	Highly calc gry sh w/ thin lmst.	Greenhorn	7118'
Graneros	7165'	7301'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7165'
Dakota	7301'		Lt to dark gry foss carb sl calc sl sity ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7301'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	'

32. Additional remarks (include plugging procedure):

This well is currently producing as a standalone MV pending DHC approval  
Agreement #NMNM-078413X

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)\*

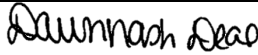
Name (please print)

Dawn Nash-Deal

Title

Operations/Regulatory Technician

Signature



Date

12/16/2024

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.

Subject: [EXTERNAL] 2025-01-20 09:23 AM SAN JUAN 29-7 UNIT, Well Number: 116, Notification of Well Completion Acceptance *Page 4 of 21*

Sent: 12/18/2024, 4:42:12 PM  
From: blm-afmss-notifications@blm.gov<blm-afmss-notifications@blm.gov>  
To: Dawn Nash-Deal

**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: **SAN JUAN 29-7 UNIT**
- Well Number: **116**
- US Well Number: **3003922033**
- Well Completion Report Id: **WCR2024121894048**

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



## Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT #116

API: 3003922033

Field: BASIN DAKOTA (PRORATED GAS)

State: NEW MEXICO

Permit to Drill (PTD) #:

Sundry #:

Rig/Service: RIGLESS 1

## Jobs

Actual Start Date: 9/16/2024

End Date:

Report Number

Report Start Date

Report End Date

1

9/16/2024

9/16/2024

## Operation

PJSM LOAD EQUIP. ROAD RIG &amp; MOVE EQUIP. FROM. THE SAN JUAN 29-7 UNIT #128 TO THE SAN JUAN 29-7 UNIT #116 (7.8 MILE MOVE). ROUGH ROADS

RIG CREW TRAVEL TO YARD

SPOT EQUIP. &amp; RIG, RIG UP PULLING UNIT &amp; EQUIP.

RIG CREW TRAVEL TO YARD

Report Number

Report Start Date

Report End Date

2

9/17/2024

9/17/2024

## Operation

RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START &amp; WARM UP EQUIPMENT. CK. PRESSURES. BDW.

SIBHP = 0 PSI.

SITP = 160 PSI.

SICP = 160 PSI.

SIIP = 60 PSI

BLEED DOWN WELL 10 MINUTES

NDWH 3K RUSTY BOLTS, RUSTY LOCK DOWN PINS, NUBOP RUFLR.

PULL TBG. HGR. UP TO FLR. REM. TBG. HGR. PJSM W/ PREMIER NDT SERVICES, SPOT IN RIG UP PREMIER NDT SERVICES, TOOH SCANNING CURRENT 2-3/8", 4.7, J-55, EUE TBG. STRG. WAITED ON RAIN STORMS TO PASS A COUPLE OF TIMES. (ORDER REPLACEMENT TBG. FOR TOMORROW MORNING).

(24) JTS. YB.

(171) JTS. BB.

(23) JTS. GB.

(16) JTS. RB.

(234) TOTAL JTS.

CORROSION &amp; PITTING.

WELL VIEW HAD (229) TOTAL JTS.

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD

RIG CREW TRAVEL TO YARD

Report Number

Report Start Date

Report End Date

3

9/18/2024

9/18/2024

## Operation

RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START &amp; WARM UP EQUIPMENT. CK. PRESSURES. BDW.

SIBHP = 0 PSI.

SITP = 0 PSI.

SICP = 160 PSI.

SIIP = 0 PSI.

BLEED DOWN WELL 8 MINUTES

CHANGE OUT TBG. TRAILERS, PICK UP 3-7/8" BIT, STRG. MILL &amp; BIT SUB, TALLY &amp; TIH W/ 12 STDS. OF 2-3/8, 4.7, J-55, EUE TBG. TALLY &amp; PU 206 JTS OF 2-3/8, 4.7, J-55, EUE TBG. TO 7225'.

LD 2 JTS. OF 2-3/8, 4.7, J-55, EUE TBG. TOOH W/ 114 STDS. LD 3-7/8, BIT, STRG. MILL &amp; BIT SUB.

PU 4.5 MECHANICAL SET CIBP TIH W/ 114 STDS. OF 2-3/8, 4.7, J-55, EUE TBG. PU 1 JT. SET 4.5 CIBP @ 7184", LAY DOWN 3 JTS. TO 7098'

LOAD &amp; ROLL HOLE WITH FRESH WATER, PT 4.5 CSG &amp; CIBP TO 580 PSI. PRESS. WOULD ONLY BUILD UP TO 300 PSI, PUMPING @ 1.5 BPM, PT. FAILED. (USED 127 BBLs OF FRESH WATER)

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD

RIG CREW TRAVEL TO YARD

Report Number

Report Start Date

Report End Date

4

9/19/2024

9/19/2024

## Operation

RIG CREW TRAVEL TO LOCATION



## Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT #116

API: 3003922033

Field: BASIN DAKOTA (PRORATED GAS)

State: NEW MEXICO

Sundry #:

Rig/Service: RIGLESS 1

## Operation

SAFETY MEETING, START &amp; WARM UP EQUIPMENT. CK. PRESSURES. BDW

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 30 PSI.  
BLEED DOWN 7" CSG. 3 MIN.

TOOH WITH 113 STDS. OF 2-3/8, 4.7, J-55, EUE TBG. LAY DOWN SETTING TOOL, LOAD 4.5 CSG. WITH 20 BBLS OF FRESH WATER.

PJSM W/ TWG SPOT IN RUWL, RUN CBL F/ 7184' TO SURFACE. RDWL.

PU 4.5 AS1-X PKR & UN-LOADER TIH W/ 5 STDS OF 2-3/8 TBG. TO 324' SET PKR. PT. DOWN 4.5 CSG. PT. FAILED, PT. DOWN TBG. PT.FAILED, REL. PKR. TIH W/ 106 STDS OF 2-3/8 TBG. TO 6975' SET PKR. PT. DOWN 4.5 CSG. PT. FAILED, PT. DOWN TBG. TO 600 PSI GOOD TEST REL.PRESS. REL.PKR. TOOH W/ 50 STDS OF 2-3/8 TBG TO 3831', SET PKR. PT. DOWN 4.5 CSG. PT. FAILED, PT. DOWN TBG. PT. FAILED REL.PKR. TOOH W/ 61 STDS. OF 2-3/8 TBG LD 4.5 PKR & UN-LOADER  
( FAILED PRESSURE TESTS WERE COMMUNICATING WITH 7" CSG. )

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD

RIG CREW TRAVEL TO YARD

Report Number

5

Report Start Date

9/20/2024

Report End Date

9/20/2024

## Operation

RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START &amp; WARM UP EQUIPMENT. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

RDFLR NDBOP, PJSM W/ BIG RED & WELDER, ND 11" X 3K BOTTOM X 7-1/16 X 3K TOP, TBG.HEAD, CK. FOR LEL'S, FILL OUT HOT WORK PERMIT, ASSIGN FIREWATCH, WELD STICK UP ON 4.5 CSG. LET COOL.  
NU 11" X 3K BOTTOM X 7-1/16 X 5K TOP TBG.HEAD, PT.VOID TO 2500 PSI. GOOD TEST, NUBOP RUFLR.

PU 4.5 AS1-X PKR & UN-LOADER TIH W/ 5 STDS OF 2-3/8 TBG. TO 324' SET PKR. PT. DOWN 4.5 CSG. TO 600 PSI GOOD TEST, REL.PRESS. PT. DOWN TBG. PT. FAILED, REL.PKR. TIH W/ 59 STDS. OF 2-3/8 TBG. LD 1 JT. TO 3989' SET PKR. PT. DOWN 4.5 CSG. PT. FAILED, PT. DOWN TBG. TO 600 PSI, GOOD TEST, REL.PRESS. REL.PKR. PU I JT. TOOH W/ 3 STDS. TO 3831' SET PKR. PT. DOWN 4.5 CSG. TO 600 PSI GOOD TEST REL.PRESS. PT. DOWN TBG. PT.FAILED REL.PKR. TIH W/ 2 STDS. TO 3958' SET PKR. PT. DOWN 4.5 CSG. PT.FAILED, PT. DOWN TBG. TO 600 PSI GOOD TEST REL.PRESS. REL.PKR. LD 1 JT. TO 3926' SET PKR. PT. DOWN 4.5 CSG. PT. FAILED, PT. DOWN TBG. TO 600 PSI GOOD TEST REL.PRESS. REL.PKR. LD 1 JT. TO 3894' SET PKR. PT. DOWN 4.5 CSG. PT. FAILED, PT. DOWN TBG. TO 600 PSI GOOD TEST REL.PRESS. REL.PKR. LD 1 JT TO 3863' SET PKR. PT. DOWN 4.5 CSG. TO 600 PSI GOOD TEST REL.PRESS. PT. DOWN TBG. PT. FAILED, REL PKR. ( HOLE IN 4.5 CSG. BETWEEN 3831' TO 3863' ).  
( FAILED PRESSURE TESTS WERE COMMUNICATING WITH 7" CSG. ).

PU 3 JTS. OF 2-3/8 TBG. TOOH W/ 63 STDS. OF 2-3/8 TBG. LD 4.5 PKR &amp; UN-LOADER.

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD

RIG CREW TRAVEL TO YARD

Report Number

6

Report Start Date

9/23/2024

Report End Date

9/23/2024

## Operation

RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START &amp; WARM UP EQUIPMENT. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

PU 2-3/8 MSC TIH W/ 62 STDS. OF 2-3/8, 4.7, J-55, EUE TBG. TO 3894'.



## Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT #116

API: 3003922033

Field: BASIN DAKOTA (PRORATED GAS)

State: NEW MEXICO

Sundry #:

Rig/Service: RIGLESS 1

## Operation

PJSM WITH DRAKE WELL SERVICES CEMENTERS, SPOT IN RIG UP CEMENTERS, PRIME UP AND PT LINES TO 2500 PSI, GOOD TEST REL.PRESS. PUMP 3 BBLS OF FRESH WATER AHEAD, 3.1 BBLS. OF #1 CLASS G CEMENT, (15 SX) 15.8 PPG. 1.15 YLD. (5.0 GALS/SK. MIX WATER), DISPLACE W/ 14.3 BBLS OF FRESH WATER.  
RIG DOWN CEMENTERS.  
BOTTOM OF CEMENT 3894', TOC = 3701'.

TOOH SLOWLY W/ 4 STDS. OF 2-3/8 TBG. TO 3633', REV. CIRC. 28 BBLS W/ FRESH WATER, TOOH WITH 58 STDS. OF 2-3/8 TBG. LD MSC. PRESS. UP 4.5 CSG TO 400 PSI, SHUT IN WELL. WOC.

SECURE WELL, CHANGE OUT BAD HAMMER UNIONS, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD,

RIG CREW TRAVEL TO YARD

Report Number  
7Report Start Date  
9/24/2024Report End Date  
9/24/2024

## Operation

RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START & WARM UP EQUIP. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

PT. 4.5 CSG. TO 600 PSI FOR 15 MIN. GOOD TEST REL.PRESS.

PU 3-7/8 BIT, STRG. MILL & BIT SUB, TIH W/ 2-3/8 TBG. TAG TOC. @3717' PU & RU PWR.SWVL. MAKE CONNECTION

ESTAB CIRC. W/ FRESH WATER, DRILL OUT CEMENT FROM 3717' TO 3903' CK FOR STRINGERS TO 4050' CIRC. WELL CLEAN, PT. 4.5 CSG PT.FAILED COMMUNICATING W/ 7" CSG. PUMPING @ 400 PSI 0.5 BPM KO PUMP

RD PWR.SWVL. LAY DOWN 11 JTS. OF 2-3/8, 4.7, J-55, EUE TBG. TOOH W/ 59 STDS. OF 2-3/8 TBG. LD BIT SUB, STRG. MILL & BIT.

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD,

RIG CREW TRAVEL TO YARD

Report Number  
8Report Start Date  
9/25/2024Report End Date  
9/25/2024

## Operation

RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START & WARM UP EQUIPMENT. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

PU 2-3/8 MSC TIH W/ 62 STDS. OF 2-3/8, 4.7, J-55, EUE TBG. TO 3894'.

PJSM WITH DRAKE WELL SERVICES CEMENTERS, SPOT IN RIG UP CEMENTERS, PRIME UP AND PT LINES TO 2500 PSI, GOOD TEST REL.PRESS. PUMP 3 BBLS OF FRESH WATER AHEAD, 4.1 BBLS. OF #2 CLASS G CEMENT, (20 SX) 15.8 PPG. 1.15 YLD (5.0 GALS/SK. MIX WATER), DISPLACE W/ 13.8 BBLS OF FRESH WATER. RIG DOWN CEMENTERS. BOTTOM OF CEMENT 3894', TOC = 3637'.

TOOH SLOWLY W/ 5 STDS. OF 2-3/8 TBG. TO 3570', REV. CIRC. 28 BBLS W/ FRESH WATER, TOOH WITH 57 STDS. OF 2-3/8 TBG. LD MSC. WITH 7" CSG. OPEN, PRESS. UP 4.5 CSG TO 400 PSI, SQUEEZED IN 1 BBL. OF CMT. SHUT IN WELL W/ 400 PSI ON 4.5 CSG. WOC.

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD,

RIG CREW TRAVEL TO YARD

Report Number  
9Report Start Date  
9/26/2024Report End Date  
9/26/2024

## Operation

RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START & WARM UP EQUIP. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

PT. 4.5 CSG. TO 600 PSI FOR 15 MIN. GOOD TEST REL.PRESS.

PU 3-7/8 BIT, STRG. MILL & BIT SUB, TIH W/ 2-3/8 TBG. TAG TOC. @3672' PU & RU PWR.SWVL. MAKE CONNECTION

ESTAB CIRC. W/ FRESH WATER, DRILL OUT CEMENT FROM 3672' TO 3913' CK FOR STRINGERS TO 4050' CIRC. WELL CLEAN, PT. 4.5 CSG PT.FAILED COMMUNICATING W/ 7" CSG. PUMPING @ 400 PSI 0.5 BPM KO PUMP

RD PWR.SWVL. LAY DOWN 13 JTS. OF 2-3/8, 4.7, J-55, EUE TBG. TOOH W/ 58 STDS. OF 2-3/8 TBG. LD BIT SUB, STRG. MILL & BIT. LOAD 4.5 CSG. WITH FRESH WATER GRADUALLY BRING PRESS. UP TO 600 PSI PUMPING INTO HOLE IN CSG. @ 600 PSI .65 BPM KO PUMP, PRESS. WENT TO 0 IN 10 SECONDS.

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD,

WellViewAdmin@hilcorp.com





## Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT #116

API: 3003922033

Field: BASIN DAKOTA (PRORATED GAS)

State: NEW MEXICO

Sundry #:

Rig/Service: RIGLESS 1

## Operation

## RIG CREW TRAVEL TO YARD

Report Number  
10Report Start Date  
9/27/2024Report End Date  
9/27/2024

## Operation

## RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START &amp; WARM UP EQUIP. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

PU 4.5 RBP &amp; RET.HEAD TIH W/ 2-3/8, 4.7, J-55, EUE TBG. SET RBP @ 4013', J-OFF DUMP 10' OF SAND ON RBP

TOOH W/ 2-3/8 TBG. LD RET.HEAD

PU 2-3/8 MSC TIH W/ 2-3/8 TBG. TO 4000'

PJSM WITH DRAKE WELL SERVICES CEMENTERS, SPOT IN RIG UP CEMENTERS, PRIME UP AND PT LINES TO 2500 PSI, GOOD TEST REL.PRESS.  
PUMP 3 BBLs OF FRESH WATER AHEAD, 3 BBLs. OF CLASS G CEMENT, CEMENTERS HOPPER PLUGGED UP, RD CEMENTERS REV. CIRC. 30 BBLs.  
WITH FRESH WATER

WAIT ON ANOTHER PUMP TRUCK

SPOT IN RIG UP CEMENTERS, PRIME UP AND PT LINES TO 2500 PSI, GOOD TEST REL.PRESS. PUMP 3 BBLs OF FRESH WATER AHEAD, 7.8 BBLs. OF  
#3 CLASS G CEMENT, (38 SX) 15.8 PPG. 1.15 YLD. (5.0 GALs/SK. MIX WATER), DISPLACE W/ 13.6 BBLs OF FRESH WATER. RIG DOWN  
CEMENTERS. BOTTOM OF CEMENT 4000', TOC = 3512'.

TOOH SLOWLY W/ 8 STDS. OF 2-3/8 TBG. TO 3507', REV. CIRC. 28 BBLs W/ FRESH WATER, TOOH WITH 56 STDS. OF 2-3/8 TBG. LD MSC.

PU 4.5 PKR. TIH W/ 54 STDS. OF 2-3/8 TBG. LD 1 JT. SET PKR. @ 3363'.

RIG UP DRAKE CEMENTERS SQUEEZE W/ FRESH WATER @ 1000 PSI, SQUEEZED IN 0.5 BBLs. SHUT IN WELL WITH 1000 PSI.

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFTWE

## RIG CREW TRAVEL TO YARD

Report Number  
11Report Start Date  
9/30/2024Report End Date  
9/30/2024

## Operation

## RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START &amp; WARM UP EQUIP. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

BEFORE REL. 4.5 PKR. PT. 4.5 CSG. TO 600 PSI FOR 15 MIN. GOOD TEST REL.PRESS. REL. 4.5 PKR. PU 1 JT. OF 2-3/8, 4.7, J-55, EUE TBG. TOOH W/ 54  
STDS. OF 2-3/8 TBG. LD PKR.

PU BIT SUB &amp; 3-7/8 JUNK MILL TIH W/ 57 STDS. OF 2-3/8, 4.7, J-55 EUE TBG. TAG TOC @ 3517' STD. BACK STD. #57

PU PWR.SWVL. MAKE CONNECTION ESTAB CIRC. W/ FRESH WATER DRILL OUT CEMENT FROM 3517' TO 3700' CIRC. WELL CLEAN

RD &amp; HANG BACK PWR.SWVL. TOOH W/ 3 STDS. OF 2-3/8 TBG. TO 3511'

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD

## RIG CREW TRAVEL TO YARD

Report Number  
12Report Start Date  
10/1/2024Report End Date  
10/1/2024

## Operation

## RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START &amp; WARM UP EQUIP. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

PT. 4.5 CSG. TO 600 PSI FOR 15 MIN. GOOD TEST REL.PRESS. TIH W/ 3 TDS. OF 2-3/8, 4.7, J-55, EUE TBG.

PU PWR.SWVL. MAKE CONN. ESTAB. CIRC. W/ FRESH WATER CONT. DRLG. CMT F/ 3700' TO 3858'.

PT. 4.5 CSG TO 600 PSI F/ 15 MIN GOOD TEST REL.PRESS. MAKE CONN. CONT. DRLG CEMENT F/ 3858' TO 3890' CIRC. WELL CLEAN

RD &amp; HANG BACK PWR.SWVL. TOOH W/ 6 STDS. OF 2-3/8 TBG. TO 3511'

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD

## RIG CREW TRAVEL TO YARD

Report Number  
13Report Start Date  
10/2/2024Report End Date  
10/2/2024





## Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT #116

API: 3003922033

Field: BASIN DAKOTA (PRORATED GAS)

State: NEW MEXICO

Sundry #:

Rig/Service: RIGLESS 1

## Operation

RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START &amp; WARM UP EQUIP. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

PT. 4.5 CSG. TO 600 PSI FOR 15 MIN. GOOD TEST REL.PRESS. TIH W/ 6 TDS. OF 2-3/8, 4.7, J-55, EUE TBG.

PU PWR.SWVL. MAKE CONN. ESTAB. CIRC. W/ FRESH WATER CONT. DRLG. CMT F/ 3890' TO 4000'.

WASH OUT SAND TO 4012', 4.5 RBP @ 4013', CIRC. WELL CLEAN PT. 4.5 CSG TO 600 PSI FOR 15 MIN. GOOD TEST REL.PRESS.

RD &amp; HANG BACK PWR.SWVL. LD 15 JTS. OF 2-3/8, 4.7, J-55, EUE TBG. TOO H W/ 56 STDS. OF 2-3/8 TBG. LD 3-7/8 JUNK MILL &amp; BIT SUB

PU RET. HEAD TIH W/ 64 STDS. OF 2-3/8 TBG. LD 1 JT. PU PWR.SWVL. MAKE CONN. ESTAB CIRC. W/ FRESH WATER, W/O TURNING SWVL. WASH DOWN TO 4013' ENGAGE RBP KO PUMP, REL.PRB.

LD 1 JT. W/ SWVL. HANG SWVL. BACK, PU 1 JT. TOO H W/ 64 STDS. OF 2-3/8 TBG. LD 4.5 RBP &amp; RET.HEAD.

MIRU DYNAMIC PRESSURE CONTOL TEST TRUCK. PERFORM STATE WITNESSED BY.

(THOMAS VERMERSCH) BRADEN HEAD, INTERMEDIATE AND MIT. PT 4.5 CASING TO 560 PSI. FOR 30 MIN. GOOD TEST. RELEASE PRESSURE

PU 3-7/8 BIT, STRG.MILL &amp; BIT SUB TIH W/ 56 STDS. OF 2-3/8 TBG TO 3512'

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD

RIG CREW TRAVEL TO YARD

Report Number  
14Report Start Date  
10/3/2024Report End Date  
10/3/2024

## Operation

RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START &amp; WARM UP EQUIP. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

TIH W/ 57 STDS OF 2-3/8, 4.7, J-55, EUE TBG. PU 2 JTS. TO 7161'

WAIT ON 2% KCL, 2% KCL WAS SUPPOSED TO BE ON LOCATION AT 09:00, M &amp; R TRUCKING CALLED SAID THEY WERE HAVING ISSUES WITH DRIVERS, THEN TRUCK GOT STUCK TURNING AROUND TO GET INTO LOCATION, WORKED OUT ISSUE

SPOT IN WATER TRUCK, LOAD WELL WITH 115 BBLS. OF 2% KCL

TOOH LAYING DOWN 228 JTS. OF 2-3/8, 4.7, J-55, EUE TBG. BIT SUB, STRG.MILL &amp; 3-7/8 BIT

PJSM WITH TWG SPOT IN RUWL RUN CBL FROM 7155' TO SURFACE RDWL

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFD

RIG CREW TRAVEL TO YARD

Report Number  
15Report Start Date  
10/4/2024Report End Date  
10/4/2024

## Operation

RIG CREW TRAVEL TO LOCATION

SAFETY MEETING, START &amp; WARM UP EQUIP. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

PJSM SPOT IN RUWL (TWG) RIH WITH 3.125 X 16' PERF GUN (1) SPF SHOOT PERF HOLES FROM 6613 - 6701, ROH, RIH WITH 3.125 X 16' PERF GUN (1) SPF SHOOT PERF HOLES FROM 6476 - 6599', ROH, RIH WITH 3.125 X 16' PERF GUN (1) SPF SHOOT PERF HOLES FROM 6390 - 6468', ROH, RIH WITH 3.125 X 16' PERF GUN (1) SPF WENT TO SHOOT PERF HOLES FROM 6260 - 6388' MISS RUN, ROH, RIH WITH 3.125 X 16' PERF GUN (1) SPF WENT TO SHOOT PERF HOLES FROM 6260 - 6388' MISS RUN AGAIN, ROH, RIH WITH 3.125 X 16' PERF GUN (1) SPF WENT TO SHOOT PERF HOLES FROM 6260 - 6388' MISS RUN AGAIN, ROH, RIH WITH 3.125 X 16' PERF GUN (1) SPF WENT TO SHOOT PERF HOLES FROM 6260 - 6388' MISS RUN AGAIN, ROH, RIH WITH 3.125 X 16' PERF GUN (1) SPF SHOOT PERF HOLES FROM 6260-6388' ROH.

MISS RUNS DUE TO BAD SWITCHES &amp; ISSUES WITH BLAST METER.

RIH W/ 4.5" FLOW THRU FRAC BAFFLE &amp; SET @ 6090' ROH, RIH W/ 4.5" MODEL D PKR. &amp; SET @ 4500' ROH RDWL

SECURE WELL, PICK UP TOOLS AND TRASH, DEBRIEF WITH RIG CREW SDFTWE

RIG CREW TRAVEL TO YARD

Report Number  
16Report Start Date  
10/7/2024Report End Date  
10/7/2024

## Operation

RIG CREW TRAVEL TO LOCATION

WellViewAdmin@hilcorp.com



Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT #116

API: 3003922033	Field: BASIN DAKOTA (PRORATED GAS)	State: NEW MEXICO
	Sundry #:	Rig/Service: RIGLESS 1

Operation

SAFETY MEETING, START & WARM UP EQUIP. CK. PRESSURES.

SIBHP = 0 PSI.  
SITP = 0 PSI.  
SICP = 0 PSI.  
SIIP = 0 PSI.  
NO BLEED DOWN

TALLY & PU FRAC STRG. 2-7/8", 6.5#, P-110, RTS-8, IJ TBG. TOTAL TBG. CONFIGURATION AS FOLLOWS.

(1) 3-5/8" ANCHOR LATCH SEAL ASSEMBLY.  
(1) 3.25" XO.  
(1) JT. OF 2-7/8", 6.5#, P-110, RTS-8, IJ TBG.  
(1) 2-7/8 X 2' PUP JT.  
(144) JTS OF 2-7/8", 6.5#, P-110, RTS-8, IJ TBG.  
(1) CROSS OVER,  
(4) 2-7/8 X 9.70', 10.16' & 1.10' PUP JTS.  
(1) 7" TBG. HGR.  
LAND TBG. EOT AT 4510.32'. LANDED W/ 15 K COMPRESSION  
(NOTE: TAGGED UP & SPACED OUT ON 4.5 MODEL D PKR)  
PRESSURE TEST 4.5 CSG TO 560 PSI GOOD TEST REL PRESS.

RDFLR NDBOP NU FRAC STK TORQUE & TEST.  
PRESSURE TESTED VOID TO 4800 PSI GOOD TEST.

PT. 2-7/8 TBG & FRAC STK TO 8000 PSI, FOR 30 MIN GOOD TEST REL PRESS.

SPOT IN RIG UP EXPERT SLICKLINE RIH **KNOCK OUT DISK @ 4510'** ROH, RIH W/ 2.34 GR TO 4520' ROH RD EXPERT, SECURE WELL

RIG DOWN PULLING UNIT & EQUIP.

RIG CREW TRAVEL TO YARD

Report Number 17	Report Start Date 11/5/2024	Report End Date 11/5/2024
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Operation

PRIME, COOL DOWN, TEST, SAFETY MEETING.

**FRAC STAGE 1 MANCOS (6,260'-6,701') : BROKE DOWN WELL WITH WATER AND 1,000 GAL 15% HCL. FOAM FRAC'D WITH 200,248 LBS 20/40 ARIZONA AND 127,932 GAL SLICKWATER AND 4.82 MILLION SCF N2. 60 QUALITY.** AVG RATE = 45 BPM, AVG PSI = 5,331 PSI. ISIP WAS 1,947 PSI. (1,590 PSI IN 5 MINUTES). 100% OF DESIGNED SAND PUMPED. PUMPED TWO SAND RAMPS AND DROPPED 64 RCN BALLS BETWEEN RAMPS.

DROP BALL ON FRAC BAFFLE. CHECK FOR BALL ACTION. RIH AND **PERFORATE STAGE #2 MESAVERDE (4,578'-5,356')** IN THREE RUNS **W/54 SHOTS, 0.29" DIA, 2" RTG, 1 SPF**, 0 DEGREE PHASING AT THE FOLLOWING DEPTHS: 4578, 4584, 4592, 4597, 4603, 4614, 4624, 4628, 4633, 4640, 4663, 4700, 4709, 4720, 4728, 4737, 4746, 4752, 4757, 4765, 4784, 4802, 4823, 4834, 4845, 4870, 4877, 4885, 4898, 4907, 4955, 4960, 4973, 5054, 5063, 5087, 5097, 5106, 5114, 5135, 5144, 5156, 5163, 5193, 5207, 5220, 5230, 5236, 5242, 5255, 5262, 5272, 5300, 5356. ALL SHOTS FIRED. POOH. PUMPED 5 BBLS OF FLUID BETWEEN GUN RUNS.

**FRAC STAGE 2 MESAVERDE (4,578'-5,356'):** BROKE DOWN WELL WITH WATER AND 1,000 GAL 15% HCL. **FOAM FRAC'D WITH 254,696 LBS 20/40 ARIZONA AND 86,604 GAL SLICKWATER AND 3.02 MILLION SCF N2. 70 QUALITY.** AVG RATE = 60 BPM, AVG PSI = 3,955 PSI. ISIP WAS 152 PSI. (41 PSI IN 5 MINUTES). PUMPED FRAC SCHEDULE TWICE AND DROPPED 27 7/8" RCN BALLS. PUMPED 102% OF DESIGNED SAND AMOUNT.

SHUT IN WELL AND RIG DOWN CREWS. TOTAL FRAC LOAD = 5,156 BBLS (INCLUDING 48 BBLS OF ACID). TOTAL SAND = 454,944 LBS. TOTAL N2 = 7.84 MILLION SCF.



## Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT #116

API: 3003922033

Field: BASIN DAKOTA (PRORATED GAS)

State: NEW MEXICO

Permit to Drill (PTD) #:

Sundry #:

Rig/Service: RIO 22

## Jobs

Actual Start Date: 9/16/2024

End Date:

Report Number  
18Report Start Date  
11/20/2024Report End Date  
11/20/2024

## Operation

RIG CREW TRAVELED TO THE FLORANCE B1A. START RIG AND PREP FOR MOVE.

MOVE RIG AND SUPPORT EQUIPMENT TO THE SAN JUAN 29-7 UNIT 116. RIG MOVE @ 40 MILES.

SAFETY MEETING WITH CREW ON TODAYS OPERATION. TOOK PRESSURES ON WELL. FRAC STRING 450 PSI. CASING 0 PSI. BH 0 PSI. INT 0 PSI.

RIG UP RIG AND SUPPORT EQUIPMENT.

RIG UP BIG RED BLOW DOWN IRON. BLOW WELL DOWN TO OPEN TOP 400 BBL TANK. PRESSURE STARTED AT 450 PSI AND BLEW DOWN TO 400 PSI AFTER 80 MINUTES. RIG UP WELLCHECK. LUBRICATE TWC IN HANGER. VERIFY FRAC STRING IS ISOLATED. ND FRACK STACK. NU BOP. PRESSURE TEST BOP PIPE AND BLIND RAMS TO 400 PSI LOW AND 2500 PSI HIGH. GOOD TEST. STING OUT OF MODEL PACKER. PULL FRAC STRING HANGER TO THE RIG FLOOR. LUBRICATE TWC OUT OF THE HANGER. PUMP A 60 BBL KILL DOWN FRAC STRING. REMOVE LUBRICATOR AND FRAC STRING HANGER. LAY DOWN 5 JOINTS OF 2 7/8" P110.

SHUT WELL IN. WINTERIZE EQUIPMENT. SECURE LOCATION. SHUT DOWN FOR THE DAY.

TRAVEL TO YARD

Report Number  
19Report Start Date  
11/21/2024Report End Date  
11/21/2024

## Operation

RIG CREW TRAVELED TO LOCATION FROM RIO YARD.

SAFETY MEETING WITH CREW ON TODAYS OPERATION. TOOK WH PRESSURES. CASING 400 PSI. TUBING 400 PSI. INT 0 PSI AND BH 0 PSI. BLOW WELL DOWN IN 30 MINUTES.

PUMP A 30 BBL KILL DOWN THE TUBING. TRIP OUT OF THE HOLE LAYING DOWN 140 JOINTS OF 2 7/8" P110 TUBING ON PIPE TRAILER. PUMPED TWO MORE 30 BBL KILLS DOWN THE FRAC STRING TO GET OUT OF THE HOLE. THE WELL UNLOADED OUR KILL WATER.

SWAP 2 7/8" P110 TUBING TRAILER FOR THE 2 3/8" PRODUCTION STRING TRAILER. SENT THE FRAC STRING TO TUBOSCOPE FOR INSPECTION.

PUMP A 100 BBL KILL ON THE WELL TO GET IN THE HOLE WITH WASHOVER ASSEMBLY. TALLY. PICK UP AND TRIP IN THE HOLE WITH THE 3 3/4" WASHOVER SHOE. 3 3/4" WASH PIPE TOP SUB. 3 1/16" STRING FLOAT. 3 1/8" JARS. SIX 3 1/8" DRILL COLLARS. X/O AND 137 JOINTS OF 2 3/8" TUBING. TAG MODEL D PACKER AT 4506' PER OUR TALLY. LAY DOWN 2 JNTS OF TUBING.

RIG UP POWER SWIVEL.

SHUT THE WELL IN. SECURE LOCATION. SHUT DOWN FOR THE DAY.

TRAVEL TO YARD.

Report Number  
20Report Start Date  
11/22/2024Report End Date  
11/22/2024

## Operation

TRAVEL TO LOCATION.

SAFETY MEETING WITH CREW. TOOK PRESSURES ON WELL. CASING 350 PSI. TUBING 0 PSI. INT 0 PSI. BH 0 PSI. BLOW WELL DOWN IN 30 MINUTES TO A STEADY BLOW.

PICK UP TWO JOINTS OF TUBING. TAG MODEL D PACKER AT 4506'. BRING ON 1300 CFM AIR WITH 12 BBL PER HOUR AIR FOAM MIST. ESTABLISH GOOD MIST TO CLEAN OUT TANK. START MILLING OPERATIONS OF MODEL D PACKER. MILLED @ 18 INCHES OF THE MODEL D PACKER OFF. CIRCULATED HOLE CLEAN. RETURNS WERE A TRACE OF SAND AND PACKER SHAVINGS. SHUT AIR UNIT DOWN. LAY DOWN 2 JOINTS OF TUBING. MILLING OPERATIONS WENT SLOWER TODAY DUE MECHANICAL ISSUES WITH OUR AIR UNIT. I LET ENGINEER MATTHEW ESZ KNOW ABOUT THE ISSUE AND THAT WE WOULD BE SWAPPING THE AIR UNIT OUT THIS AFTERNOON.

SHUT THE WELL IN. SECURE LOCATION. SHUT DOWN RIG OPS FOR THE DAY.

RIG DOWN AIR UNIT FOR SWAP OUT THIS AFTERNOON.

TRAVEL TO YARD.

Report Number  
21Report Start Date  
11/23/2024Report End Date  
11/23/2024

## Operation

TRAVEL TO WELLSITE.

PJSA WITH CREWS.

CHECK WELL PRESSURES. SITP-0 PSI (STRING FLOAT). SICP-360 PSI. SIICP-0 PSI. SIBHP- 0 PSI. SERVICE &amp; START EQUIPMENT.

BLOWDOWN CASING PRESSURE TO TANK.

TRIP IN 2 JOINTS TUBING. TAG MODEL "D" FRAC PACKER WITH MILLING ASSEMBLY.

RIG UP POWER SWIVEL ASSEMBLY, PREPARE TO CONTINUE MILLING OPERATIONS.

START AIR UNIT AT 1,200 CFM AT 500 TO 950 PSI WITH MIST AT 12 TO 15 BPH. CONTINUED MILLING ON FRAC PACKER. MILLED OUT TO +/- 4.516' IN 7 1/2 HOURS, MADE SMALL METAL PIECES & SHAVINGS. RAN SEVERAL FOAM SWEEPS. WELL DID NOT MAKE ANY ADDITIONAL WATER OVER THE FOAM/MIST AMOUNT. CIRCULATED UNTIL THE RETURNS WERE CLEAN.

1 - 3 GAL PER 10 BBLs: CL-299 (CORROSION INHIBITOR).

1 - 1 1/2 GAL PER 10 BBLs: F-86 (FOAMER).

SHUTDOWN AIR/MIST. HANG BACK SWIVEL. PULL 2- TUBING JOINTS. END OF MILLING ASSEMBLY AT 4,481'.

SHUT IN, SECURED WELL. WINTERIZE &amp; SECURED RIG, PUMP &amp; AIR UNIT EQUIPMENT. SHUTDOWN OPERATONS FOR THE NIGHT.

CREW TRAVEL TO YARD.



## Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT #116

API: 3003922033

Field: BASIN DAKOTA (PRORATED GAS)

State: NEW MEXICO

Sundry #:

Rig/Service: RIO 22

Report Number 22	Report Start Date 11/24/2024	Report End Date 11/24/2024
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## Operation

RIG CREW TRAVELED TO LOCATION.

SAFETY MEETING WITH CREW. TOOK PRESSURES ON WELL CASING 350 PSI. TUBING 0 PSI. BH 0 PSI. INT 0 PSI. BLOW WELL DOWN IN 30 MINUTES.

TRIP IN THE HOLE WITH 2 JOINTS OF TUBING. TAG MODEL D PACKER WITH MILLING ASSEMBLY. RIG UP POWER SWIVEL.

BRING ON 12-13 BBL PER HOUR AIR FOAM MIST WITH 1300 CFM AIR. ESTABLISH GOOD CIRCULATION TO CLEAN OUT TANK. START MILLING OPERATIONS AT @ 4508'. MILLED @ 12 INCHES OF THE PACKER OFF. MODEL D PACKER RELEASED AND DROPPED. RIH TO A DEPTH OF 4541'. RETURNS WERE PACKER PARTS AND PIECES. PUMPED A SWEEP TO CLEAN HOLE UP. SHUT AIR UNIT DOWN. WE ARE ONLY GETTING OUR MIST BACK/NO FRAC WATER.

HANG BACK SWIVEL. TALLY . PICK UP TUBING FROM PIPE TRAILER. TRIP IN THE HOLE FROM 4541' TO TAG UP OF FRAC BAFFLE AT 6090'.

TRIP OUT OF THE HOLE WITH WASHOVER ASSEMBLY FROM A DEPTH OF 6090'. PUMPED A 30 BBL KILL TO GET OUT OF THE HOLE.

TRIP IN THE HOLE WITH 3 1/8" TUBING SPEAR. 3 1/16" STRING FLOAT. 3 1/8" BUMPER SUB. 3 1/8" JARS. SIX 3 1/8" DRILL COLLARS. X/O AND 2 3/8" TUBING TO JUST ABOVE MODEL D PACKER. BRING ON AIR MIST. ATTEMPT TO UNLOAD HOLE AND BREAK CIRCULATION. RAN OUT OF TIME/DAYLIGHT. SHUT AIR FOAM MIST DOWN. HANG BACK SWIVEL.

TRIP OUT OF THE HOLE WITH 26 STANDS TO A DEPTH OF 4448'. TOP PERF AT 4578'.

SHUT THE WELL IN. SECURE LOCATION. SHUT DOWN FOR THE DAY.

TRAVEL TO YARD.

Report Number 23	Report Start Date 11/25/2024	Report End Date 11/25/2024
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## Operation

RIG CREW TRAVELED TO LOCATION.

SAFETY MEETING WITH CREW. WH PRESSURES. CASING 460 PSI. TUBING 400 PSI. BH 0 PSI. INT 0 PSI. BLOW WELL DOWN IN 35 MINUTES

TRIP AND DRIFT IN THE HOLE FROM 4448' WITH SPEAR TO JUST ABOVE REMAINS OF MODEL D PACKER AT 6090'. BRING ON 12 BBL PER HOUR AIR FOAM MIST AT 1300 CFM. UNLOAD HOLE AND BLOW ON TOP OF PACKER. RETURNS WERE WATER AND A TRACE OF SAND. ENGAGE MODEL D PACKER WITH SPEAR.

HANG BACK SWIVEL. TRIP OUT OF THE HOLE WITH THE SPEAR ASSEMBLY AND MODEL D PACKER. PUMPED A 30 BBL KILL TO GET THE PACKER OUT OF THE HOLE AND LAY DOWN SIX 3 1/8" DRILL COLLARS.

TRIP AND DRIFT IN THE HOLE WITH THE 2 3/8" PRODUCTION STRING AS FOLLOWS. 2 3/8" SELECT PUMP OUT PLUG. 1.780 ID SEATING NIPPLE. ONE JOINTS OF 2 3/8" TUBING. 2' X 2 3/8" MARKER JOINT. 169 JOINTS OF 2 3/8" TUBING. TWO 6' X 2 3/8" PUP JOINTS. ONE JOINT OF 2 3/8" TUBING AND 7 1/6" TUBING HANGER. TUBING LANDED AT A DEPTH OF 5399'. SEATING NIPPLE AT A DEPTH OF 5397'. FRAC BAFFLE AT A DEPTH OF 6090'. PERFS FROM 4578' TO 5356'. LAYED DOWN 5 JOINTS OF TUBING DURING DRIFTING OPERATIONS.

HANG BACK SWIVEL. RIG DOWN RIG FLOOR. ND BOP. NU WH.

SHUT THE WELL IN. SECURE LOCATION. SHUT DOWN FOT THE DAY.

TRAVEL TO YARD.

Report Number 24	Report Start Date 11/26/2024	Report End Date 11/26/2024
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## Operation

TRAVEL TO LOCATION

Subject: RE: [EXTERNAL] SAN JUAN 29-7 UNIT 116, 3003922033

Sent: 12/16/2024, 9:25:03 AM  
From: Matthew Esz<Matthew.Esz@hilcorp.com>  
To: Dawn Nash-Deal

From: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
Sent: Thursday, September 26, 2024 4:45 PM  
To: Matthew Esz <[Matthew.Esz@hilcorp.com](mailto:Matthew.Esz@hilcorp.com)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>  
Cc: Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>  
Subject: RE: [EXTERNAL] SAN JUAN 29-7 UNIT 116, 3003922033

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

NMOCD approves procedure with prior approval from the BLM – include word document with subsequent

Thank you

Monica Kuehling  
Compliance Officer Supervisor  
Deputy Oil and Gas Inspector  
New Mexico Oil Conservation Division  
North District  
Cell Phone: 505-320-0243  
Email - [monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)

From: Matthew Esz <[Matthew.Esz@hilcorp.com](mailto:Matthew.Esz@hilcorp.com)>  
Sent: Thursday, September 26, 2024 3:38 PM  
To: Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
Cc: Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>  
Subject: RE: [EXTERNAL] SAN JUAN 29-7 UNIT 116, 3003922033

Good afternoon,

After our second sqz attempt we still have a slow leak. We plan to remediate again tomorrow, following this updated procedure I've attached. Let me know if you need any other info.

Thanks,  
Matthew Esz

From: Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>  
Sent: Tuesday, September 24, 2024 5:21 PM  
To: Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Matthew Esz <[Matthew.Esz@hilcorp.com](mailto:Matthew.Esz@hilcorp.com)>  
Cc: Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>  
Subject: Re: [EXTERNAL] SAN JUAN 29-7 UNIT 116, 3003922033

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

The BLM finds the procedure appropriate.

**From:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
**Sent:** Tuesday, September 24, 2024 3:23:03 PM  
**To:** Matthew Esz <[Matthew.Esz@hilcorp.com](mailto:Matthew.Esz@hilcorp.com)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>  
**Cc:** Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>  
**Subject:** RE: [EXTERNAL] SAN JUAN 29-7 UNIT 116, 3003922033

NMOCD approves with prior approval from the BLM

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)

---

**From:** Matthew Esz <[Matthew.Esz@hilcorp.com](mailto:Matthew.Esz@hilcorp.com)>  
**Sent:** Tuesday, September 24, 2024 3:13 PM  
**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>  
**Cc:** Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>  
**Subject:** RE: [EXTERNAL] SAN JUAN 29-7 UNIT 116, 3003922033

This cement squeeze was completed on Monday, 9/22. After drilling out cement today, we still have a slow leak. We plan to remediate tomorrow, following the same procedure as submitted previously. I've attached it again here. Let me know if you need any other info.

Thanks,  
Matthew

---

**From:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>  
**Sent:** Monday, September 23, 2024 9:42 AM  
**To:** Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Matthew Esz <[Matthew.Esz@hilcorp.com](mailto:Matthew.Esz@hilcorp.com)>  
**Cc:** Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>  
**Subject:** RE: [EXTERNAL] SAN JUAN 29-7 UNIT 116, 3003922033

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NMOCD approved verbally Friday September 20, 2024

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)

Received by O&D: 1/2/2025 7:09:21 AM  
**From:** Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>

**Sent:** Friday, September 20, 2024 2:47 PM

**To:** Matthew Esz <[Matthew.Esz@hilcorp.com](mailto:Matthew.Esz@hilcorp.com)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>

**Cc:** Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>

**Subject:** Re: [EXTERNAL] SAN JUAN 29-7 UNIT 116, 3003922033

Thank you for the information.

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management  
 Farmington Field Office  
 6251 College Blvd  
 Farmington, NM 87402

Email: [krennick@blm.gov](mailto:krennick@blm.gov)  
 Mobile & Text: 505.497.0019

---

**From:** Matthew Esz <[Matthew.Esz@hilcorp.com](mailto:Matthew.Esz@hilcorp.com)>

**Sent:** Friday, September 20, 2024 2:44 PM

**To:** Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>; Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>

**Cc:** Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>

**Subject:** RE: [EXTERNAL] SAN JUAN 29-7 UNIT 116, 3003922033

Good afternoon,

Today we narrowed down a csg leak between 3831'-3863'. Please see the attached procedure to squeeze and remediate. Following the squeeze and drillout, we will pull a subsequent CBL and schedule the witnessed MIT. Let me know if you have any questions.

Thanks,  
 Matthew Esz

---

**From:** Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>

**Sent:** Friday, September 20, 2024 9:44 AM

**To:** Matthew Esz <[Matthew.Esz@hilcorp.com](mailto:Matthew.Esz@hilcorp.com)>

**Subject:** Re: [EXTERNAL] SAN JUAN 29-7 UNIT 116, 3003922033

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

The BLM finds the proposed perforations appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management  
 Farmington Field Office  
 6251 College Blvd  
 Farmington, NM 87402



**From:** Matthew Esz <[Matthew.Esz@hilcorp.com](mailto:Matthew.Esz@hilcorp.com)>  
**Sent:** Friday, September 20, 2024 8:32 AM  
**To:** Kuehling, Monica, EMNRD <[monica.kuehling@emnrd.nm.gov](mailto:monica.kuehling@emnrd.nm.gov)>; Rennick, Kenneth G <[krennick@blm.gov](mailto:krennick@blm.gov)>  
**Cc:** Farmington Regulatory Techs <[FarmingtonRegulatoryTechs@hilcorp.com](mailto:FarmingtonRegulatoryTechs@hilcorp.com)>  
**Subject:** [EXTERNAL] SAN JUAN 29-7 UNIT 116, 3003922033

**This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.**

Good morning,

Attached is the CBL pulled yesterday, 9/19 on the San Juan 29-7 Unit 116. **We have not passed a witnessed MIT.** At this time, we are looking for a potential leak and will inform you of any findings as we progress. Based on the CBL, we would like approval to continue with the Mesa Verde / Mancos recomplete prep in the following intervals:

**Mesa Verde: 4500'-5635'**  
**Mancos: 5635'-7118'**

I will be in touch regarding the potential leak and get the witnessed MIT scheduled after that is resolved. Let me know if you have any questions.

Thanks,

**Matthew Esz**  
*Operations Engineer*  
San Juan South Asset Team  
**Hilcorp Energy Company**  
c: (770) 843-9226

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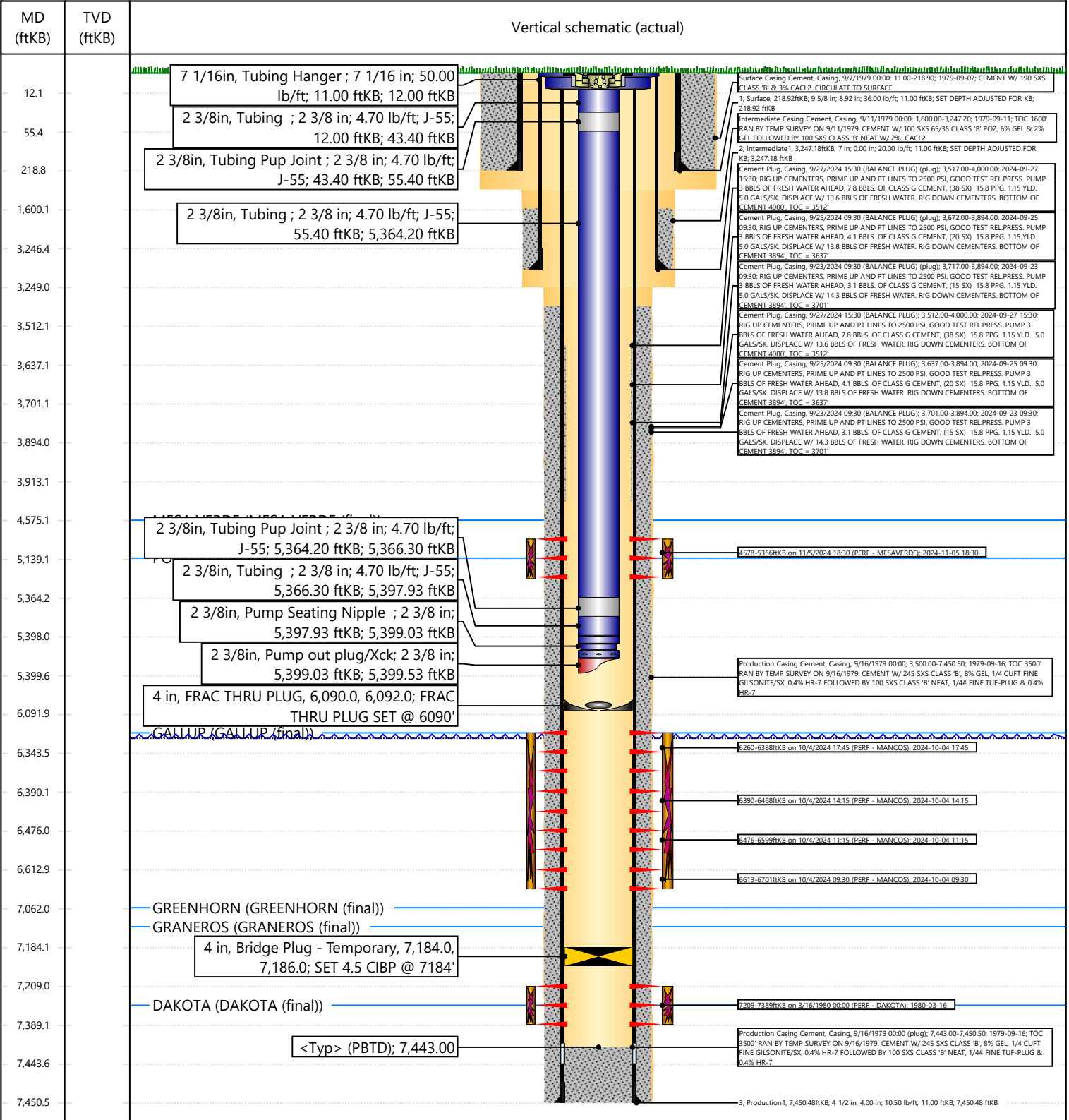


Current Schematic - Version 3

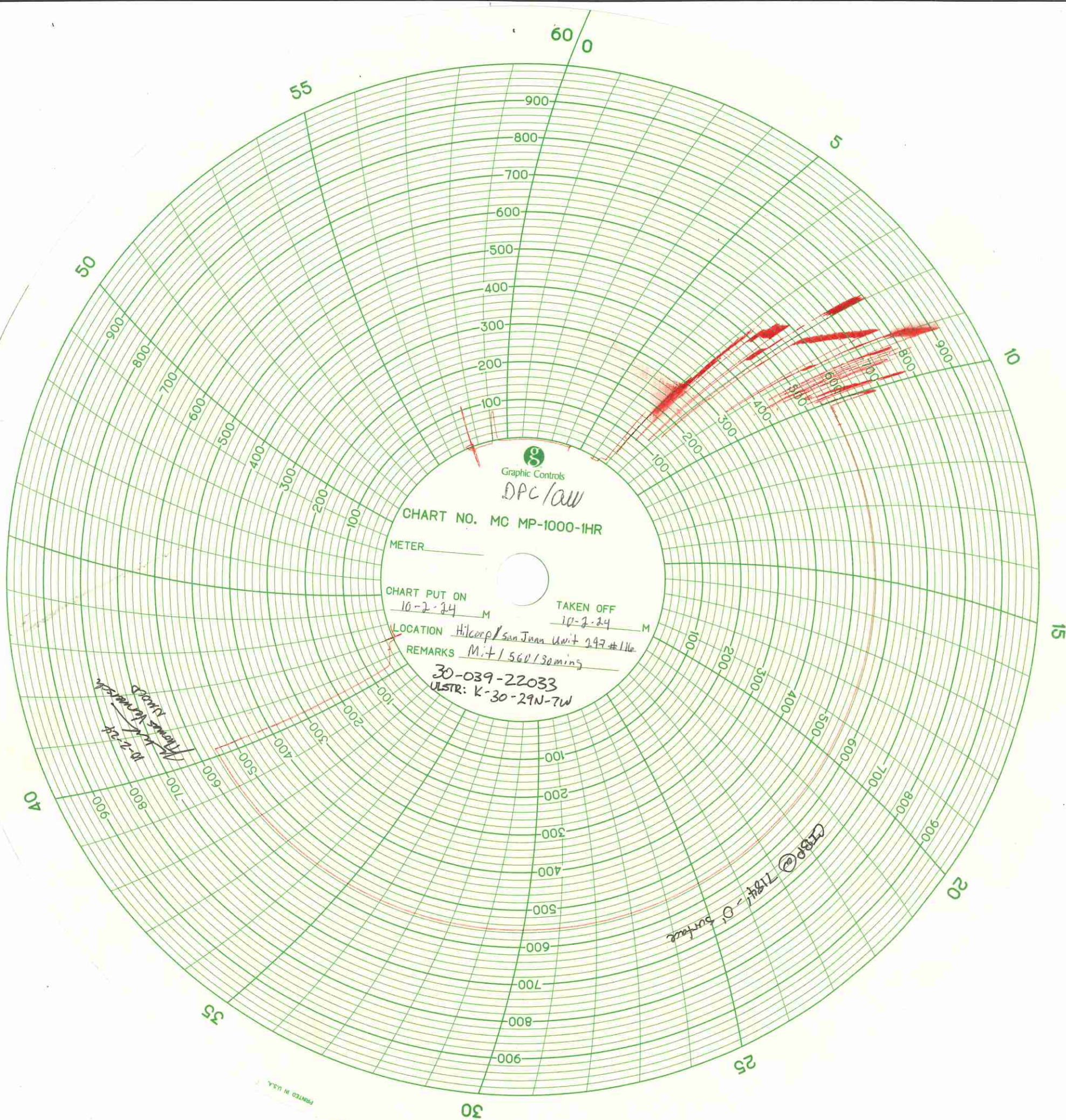
Well Name: SAN JUAN 29-7 UNIT #116

API / UWI 3003922033	Surface Legal Location 030-029N-007W-M	Field Name BASIN DAKOTA (PRORATED GAS)	Route 1004	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,273.00	Original KB/RT Elevation (ft) 6,284.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 11.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
Tubing Strings					
Run Date 11/25/2024 15:00	Set Depth (ftKB) 5,399.53	String Max Nominal OD (in) 2 3/8	String Min Nominal ID (in) 2.00	Weight/Length (lb/ft) 4.70	Original Spud Date 9/6/1979 00:00

Original Hole [VERTICAL]









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 416257

ACKNOWLEDGMENTS

Operator:  HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID:  372171
	Action Number:  416257
	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

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 416257

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 416257
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	4/4/2025