

Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	C-104 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 NP 512	Property Code: 318714
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal	API Number: 30-039-24342
Pool Name: BASIN DAKOTA	Pool Code: 71599

Section 2 – Surface Location

UL G	Section 19	Township 029N	Range 007W	Lot	Ft. from N/S 1448' North	Ft. from E/W 2370' East	Latitude 36. 714789	Longitude -107.611409	County RIO ARriba
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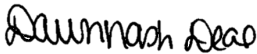
Section 3 – Completion Information

Producing Method Flowing	Ready Date 11/26/2024	Perforations MD 7,782' - 7,968'	Perforations TVD 7646'-7832'
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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): 387940	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
Production Casing Action ID: 387417	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): N	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	Date: 12/10/2024

Santa Fe Main Office Phone: (505) 476-3441 Fax: (55) 476-3462 General Information Phone: (505) 629-6116 Online Phone Directory Visit: https://www.emnrd.nm.gov/ocd/contact-us/	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	C-104 Revised July 9, 2024 Submit Electronically Via OCD Permitting
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Operator Name: Hilcorp Energy Company	OGRID: 372171
Property Name and Well Number: SAN JUAN 29-7 UNIT NP 512	Property Code: 318714
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal	API Number: 30-039-24342
Pool Name: BLANCO MESAVERDE	Pool Code: 72319

Section 2 – Surface Location

UL G	Section 19	Township 029N	Range 007W	Lot	Ft. from N/S 1448' North	Ft. from E/W 2370' East	Latitude 36. 714789	Longitude -107.611409	County RIO ARRIBA
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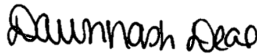
Section 3 – Completion Information

Producing Method Flowing	Ready Date 10/03/2024	Perforations MD 5147'-6042'	Perforations TVD 5071'-5915'
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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): 387939	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
Production Casing Action ID: 387417	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: N/A	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): No	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	Date: 12/10/2024

C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION	Revised July 9, 2024	
		Submittal Type	<input type="checkbox"/> Initial Submittal
			<input type="checkbox"/> Amended Report
		<input checked="" type="checkbox"/> As Drilled	

WELL LOCATION INFORMATION

API Number 30-039-24342	Pool Code 71599	Pool Name BASIN DAKOTA
Property Code 318714	Property Name SAN JUAN 29-7 UNIT NP	Well Number 512
OGRID No. 372171	Operator Name HILCORP ENERGY COMPANY	Ground Level Elevation 6674'
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

Surface Location

UL G	Section 19	Township 29N	Range 7W	Lot	Feet from N/S Line 1448' NORTH	Feet from E/W Line 2370' EAST	Latitude 36.714789 °N	Longitude -107.611409 °W	County RIO ARRIBA
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Bottom Hole Location

UL B	Section 19	Township 29N	Range 7W	Lot	Feet from N/S Line 687' NORTH	Feet from E/W Line 2572' EAST	Latitude 36.716881 °N	Longitude -107.612103 °W	County RIO ARRIBA
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Dedicated Acres 320.00	Penetrated Spacing Unit: E/2 - Section 19	Infill or Defining Well Infill	Defining Well API 30-039-23775	Overlapping Spacing Unit <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Consolidation Code Unitization
Order Numbers DHC Pending			Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

Kick Off Point (KOP)

UL G	Section 19	Township 29N	Range 7W	Lot	Feet from N/S Line 1515' NORTH	Feet from E/W Line 2426' EAST	Latitude 36.714604 °N	Longitude -107.611598 °W	County RIO ARRIBA
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First Take Point (FTP)

UL B	Section 19	Township 29N	Range 7W	Lot	Feet from N/S Line 1090' NORTH	Feet from E/W Line 2483' EAST	Latitude 36.715772 °N	Longitude -107.611859 °W	County RIO ARRIBA
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Last Take Point (LTP)

UL B	Section 19	Township 29N	Range 7W	Lot	Feet from N/S Line 686' NORTH	Feet from E/W Line 2570' EAST	Latitude 36.716883 °N	Longitude -107.612097 °W	County RIO ARRIBA
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Unitized Area or Area of Uniform Interest SAN JUAN 29-7 UNIT	Spacing Unit Type <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Directional	Ground Floor Elevation 6674'
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<p>OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.</p> <p>Cherylene Weston Signature</p> <p>9/4/2024 Date</p> <p>Cherylene Weston, Operations/Regulatory Tech-Sr. Printed Name</p> <p>cweston@hilcorp.com E-mail Address</p>	<p>SURVEYOR CERTIFICATION</p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <div></div> <p>JASON C. EDWARDS</p> <p>Signature and Seal of Professional Surveyor</p> <table><tr><td>Certificate Number 15269</td><td>Date of Survey MAY 1, 2024</td></tr></table>	Certificate Number 15269	Date of Survey MAY 1, 2024
Certificate Number 15269	Date of Survey MAY 1, 2024		

SURFACE LOCATION (A)
1448' FNL 2370' FEL
LAT 36.714783 °N
LONG -107.610800 °W
DATUM: NAD1927

LAT 36.714789 °N
LONG -107.611409 °W
DATUM: NAD1983

KICK OFF POINT (B)
1515' FNL 2426' FEL
LAT 36.714597 °N
LONG -107.610989 °W
DATUM: NAD1927

LAT 36.714604 °N
LONG -107.611598 °W
DATUM: NAD1983

FIRST TAKE POINT (C)
1090' FNL 2483' FEL
LAT 36.715766 °N
LONG -107.611250 °W
DATUM: NAD1927

LAT 36.715772 °N
LONG -107.611859 °W
DATUM: NAD1983

LAST TAKE POINT (D)
686' FNL 2570' FEL
LAT 36.716877 °N
LONG -107.611488 °W
DATUM: NAD1927

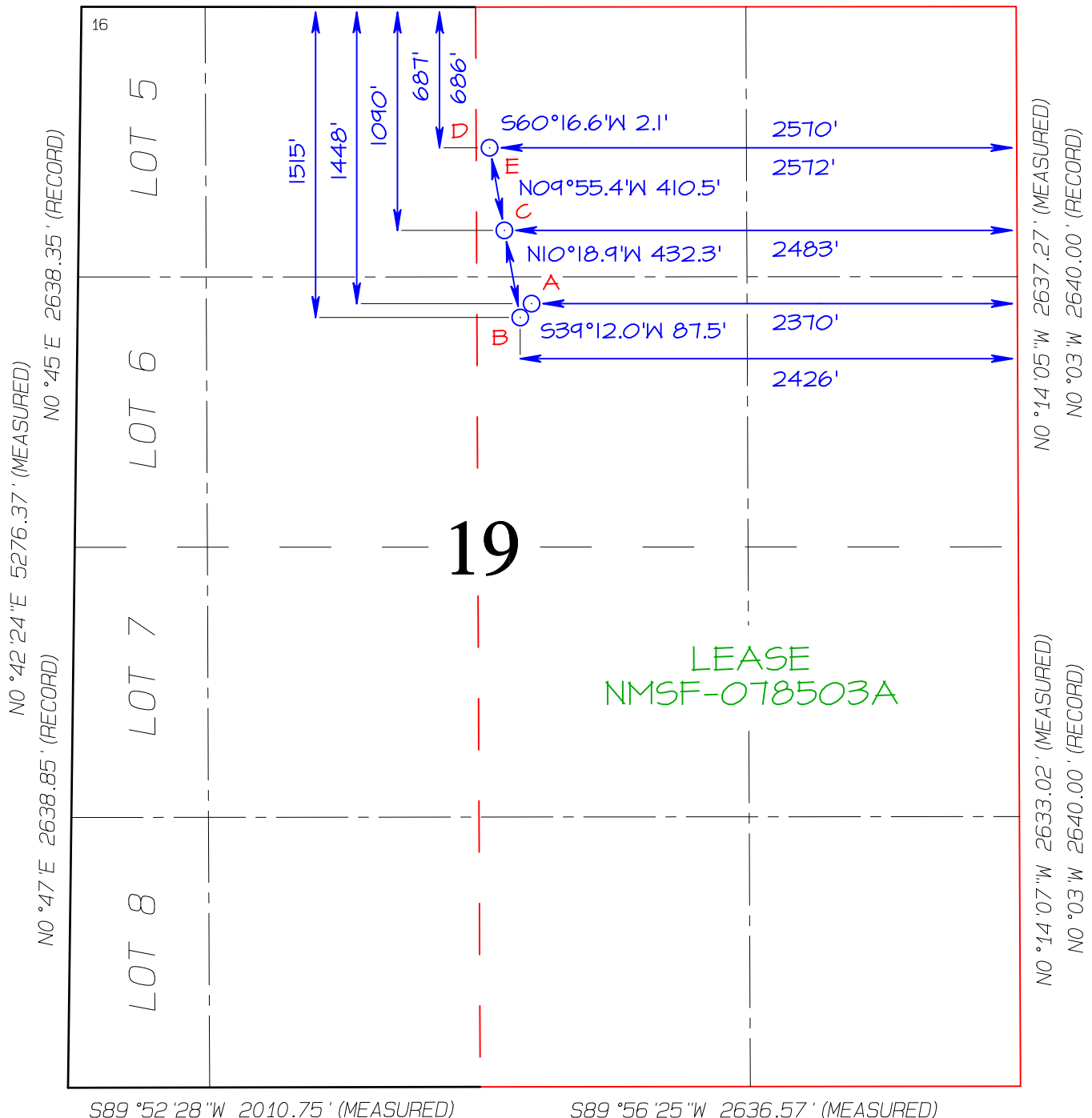
LAT 36.716883 °N
LONG -107.612097 °W
DATUM: NAD1983

BOTTOM-HOLE (E)
687' FNL 2572' FEL
LAT 36.716874 °N
LONG -107.611494 °W
DATUM: NAD1927

LAT 36.716881 °N
LONG -107.612103 °W
DATUM: NAD1983

WEST 1927.20' (RECORD)
N89 °57 '37 "W 1923.26' (MEASURED)

WEST 2640.00' (RECORD)
S89 °56 '24 "W 2637.36' (MEASURED)



C-102 Submit Electronically Via OCD Permitting	State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION		Revised July 9, 2024	
	Submittal Type	<input type="checkbox"/> Initial Submittal		
		<input type="checkbox"/> Amended Report		
		<input checked="" type="checkbox"/> As Drilled		

Submit Electronically
Via OCD Permitting

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION

Revised July 9, 2024

Submittal
Type

☐ Initial Submittal
☐ Amended Report
☒ As Drilled

WELL LOCATION INFORMATION

API Number 30-039-24342	Pool Code 72319	Pool Name BLANCO MESAVERDE
Property Code 318714	Property Name SAN JUAN 29-7 UNIT NP	Well Number 512
OGRID No. 372171	Operator Name HILCORP ENERGY COMPANY	Ground Level Elevation 6674 '
Surface Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal		Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal

Surface Location

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Dedicated Acres 320.00	Penetrated Spacing Unit: E/2 - Section 19	Infill or Defining Well Infill	Defining Well API 30-039-30245	Overlapping Spacing Unit <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Consolidation Code Unitization
Order Numbers DHC Pending		Well setbacks are under Common Ownership: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

Kick Off Point (KOP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
G	19	29N	7W		1515' NORTH	2426' EAST	36.714604 °N	-107.611598 °W	RIO ARRIBA

First Take Point (FTP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
B	19	29N	7W		1090' NORTH	2483' EAST	36.715772 °N	-107.611859 °W	RIO ARRIBA

Last Take Point (LTP)

UL	Section	Township	Range	Lot	Feet from N/S Line	Feet from E/W Line	Latitude	Longitude	County
B	19	29N	7W		686' NORTH	2570' EAST	36.716883 °N	-107.612097 °W	RIO ARRIBA

Unutilized Area or Area of Uniform Interest SAN JUAN 29-7 UNIT	Spacing Unit Type <input type="checkbox"/> Horizontal <input type="checkbox"/> Vertical <input checked="" type="checkbox"/> Directional	Ground Floor Elevation 6674'
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OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and, if the well is a vertical or directional well, that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of a working interest or unleased mineral interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

If this well is a horizontal well, I further certify that this organization has received the consent of at least one lessee or owner of a working interest or unleased mineral interest in each tract (in the target pool or formation) in which any part of the well's completed interval will be located or obtained a compulsory pooling order from the division.

Cherylene Weston

9/4/2024

Signature _____

Date _____

Cherylene Weston, Operations/Regulatory Tech-Sr.

Printed Name _____

cweston@hilcorp.com

E-mail Address

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.



JASON C. EDWARDS

Signature and Seal of Professional Surveyor

Certificate Number 15269

Date of Survey MAY 1, 2024

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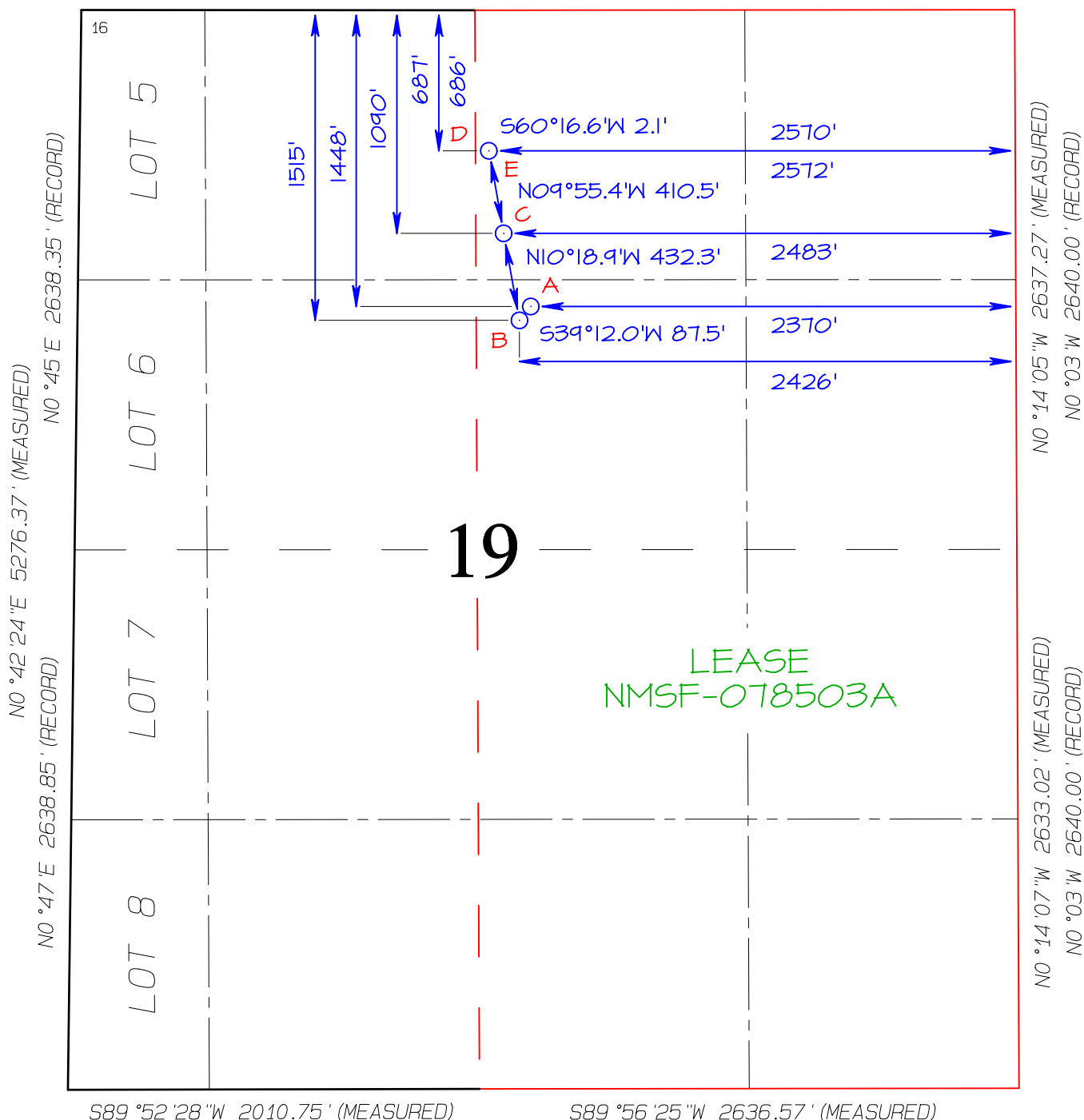
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WEST 1927.20' (RECORD)
N89°57'37"W 1923.26' (MEASURED)

WEST 2640.00' (RECORD)
S89°56'24"W 2637.36' (MEASURED)





Survey Certification

7327 West Barton Road
Casper, WY 82604
(307)-472-6621

Operator	HilCorp Energy
Well Name & No.	San Juan 29-7 Unit NP 512
API #	30-039-24342
County & State	Rio Arriba County, NM
SDI Job #	OP.045668
Rig	Drake 3
Survey Date	8/15/2024 to 8/19/2024
GL & KB Elevation	GL 6673' & KB 17' = 6690'

I, Janie Collins, having personal knowledge of all the facts, hereby certify that the attached directional survey run from a measured depth of 98.56 feet to a measured depth of 8,165 feet is true and correct as determined from all available records.

A handwritten signature in blue ink, appearing to read 'Janie Collins', written over a horizontal line.

Signature

29-Aug-2024

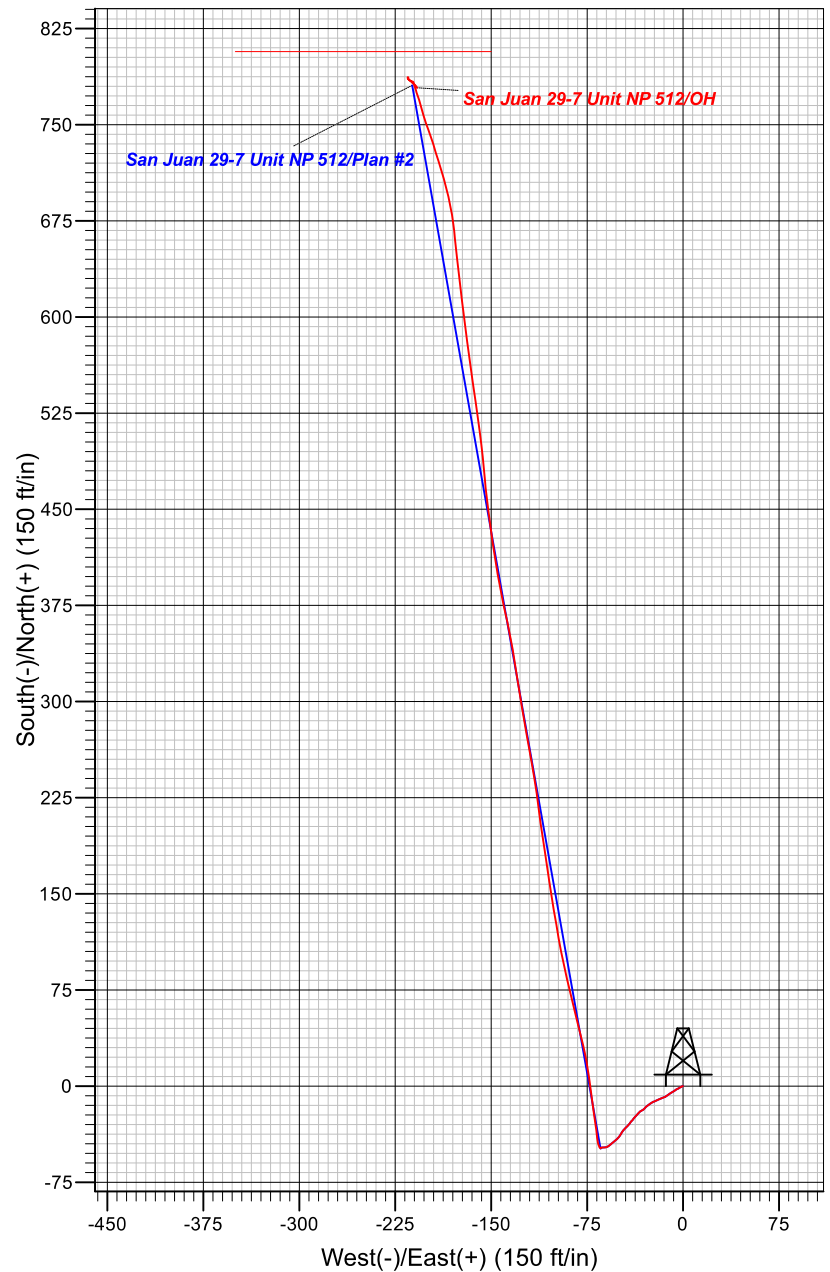
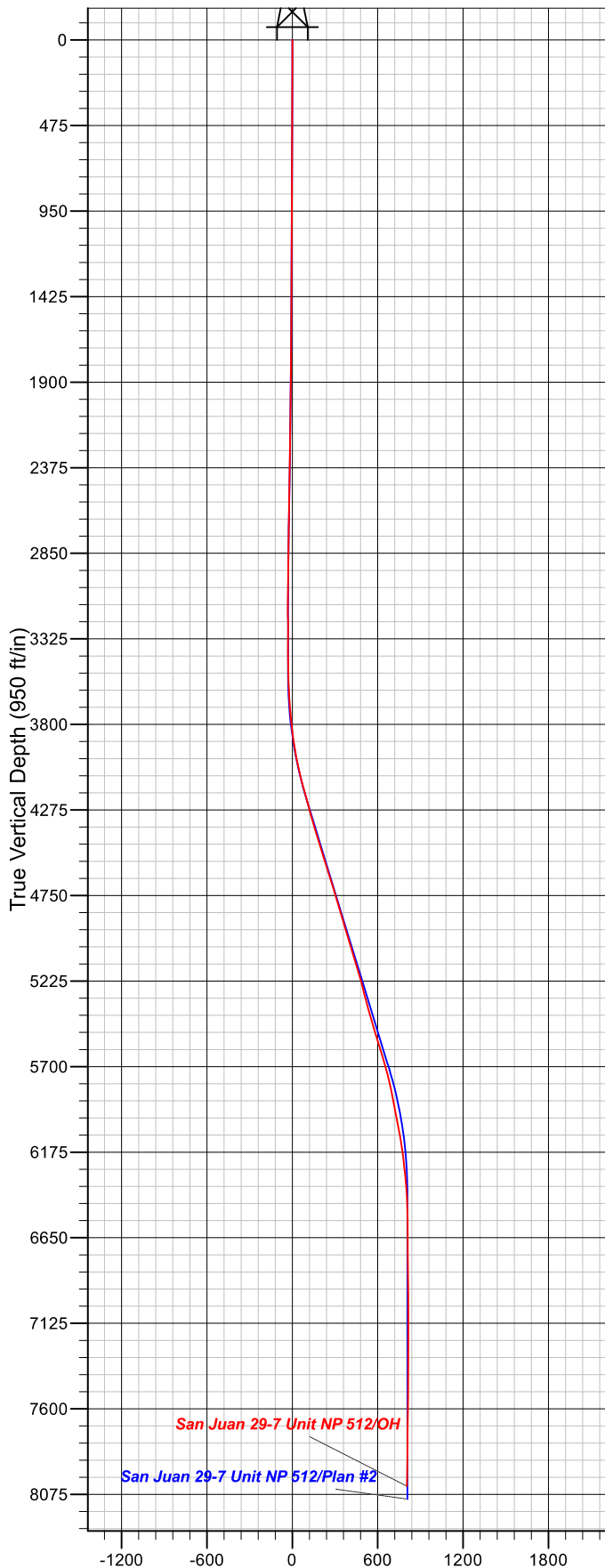
Date

Janie Collins

Rockies Region Well Planner
Scientific Drilling - Rocky Mountain District



Company: Hilcorp Energy - San Juan Basin
 Project: Rio Arriba, NM NAD27
 Site: San Juan 29-7 Unit NP 512 Pad
 Well: San Juan 29-7 Unit NP 512
 Wellbore: OH
 Design: OH



Well Details: San Juan 29-7 Unit NP 512

		TVD Reference: GL 6673' & RKB 17' @ 6690.00ft (Drake 3)				Slot
+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	
0.00	0.00	2079492.47	565233.91	36.7147300	-107.6107700	

PROJECT DETAILS: Rio Arriba, NM NAD27

Geodetic System: US State Plane 1927 (Exact solution)
 Datum: NAD 1927 (NADCON CONUS)
 Ellipsoid: Clarke 1866
 Zone: New Mexico West 3003

System Datum: Mean Sea Level

Plan: OH

10:52, August 29 2024
 Created By: Janie Collins



Hilcorp Energy - San Juan Basin

Rio Arriba, NM NAD27

San Juan 29-7 Unit NP 512 Pad

San Juan 29-7 Unit NP 512

OH

Design: OH

Standard Survey Report

29 August, 2024



Scientific Drilling

www.scientificdrilling.com





Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well San Juan 29-7 Unit NP 512
Project:	Rio Arriba, NM NAD27	TVD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Site:	San Juan 29-7 Unit NP 512 Pad	MD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Well:	San Juan 29-7 Unit NP 512	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction

Project	Rio Arriba, NM NAD27		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico West 3003		

Site		San Juan 29-7 Unit NP 512 Pad						
Site Position:		Northing:	2,079,492.46	usft	Latitude:	36.7147300		
From:	Lat/Long	Easting:	565,233.91	usft	Longitude:	-107.6107700		
Position Uncertainty:	0.00	ft	Slot Radius:	13.20	in	Grid Convergence:	0.13	°

Well	San Juan 29-7 Unit NP 512					
Well Position	+N/-S	0.00 ft	Northing:	2,079,492.46 usft	Latitude:	36.7147300
	+E/-W	0.00 ft	Easting:	565,233.91 usft	Longitude:	-107.6107700
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	6,673.00 ft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM2024	8/12/2024	8.47	63.08	49,162.00000000

Design	OH				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	344.820	

Survey Program	Date	8/21/2024			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
98.56	3,401.85	Survey #2 - Gyro Survey (OH)	Standard Keeper 104	Standard Wireline Keeper ver 1.0.4	
3,467.00	8,165.00	Survey #3 - MWD Survey (OH)	MWD+HDGM	OWSG MWD + HDGM	

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
98.56	0.27	259.540	98.56	-0.04	-0.23	0.02	0.27	0.27	0.00	
124.83	0.33	267.520	124.83	-0.06	-0.36	0.04	0.28	0.23	30.38	
148.82	0.41	260.970	148.82	-0.07	-0.52	0.07	0.38	0.33	-27.30	
174.25	0.50	248.250	174.25	-0.13	-0.71	0.06	0.53	0.35	-50.02	
200.25	0.46	239.430	200.25	-0.22	-0.91	0.02	0.32	-0.15	-33.92	
223.48	0.49	231.730	223.48	-0.33	-1.07	-0.04	0.30	0.13	-33.15	
250.05	0.44	221.810	250.05	-0.48	-1.22	-0.14	0.36	-0.19	-37.34	
273.76	0.43	235.370	273.75	-0.60	-1.36	-0.22	0.44	-0.04	57.19	
297.75	0.37	239.450	297.74	-0.69	-1.50	-0.27	0.28	-0.25	17.01	



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well San Juan 29-7 Unit NP 512
Project:	Rio Arriba, NM NAD27	TVD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Site:	San Juan 29-7 Unit NP 512 Pad	MD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Well:	San Juan 29-7 Unit NP 512	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
324.55	0.43	248.670	324.54	-0.77	-1.67	-0.31	0.33	0.22	34.40
348.60	0.62	252.450	348.59	-0.84	-1.87	-0.32	0.80	0.79	15.72
375.57	0.68	247.760	375.56	-0.95	-2.16	-0.35	0.30	0.22	-17.39
400.09	0.80	241.650	400.08	-1.08	-2.45	-0.40	0.59	0.49	-24.92
424.81	0.83	239.250	424.80	-1.25	-2.75	-0.49	0.18	0.12	-9.71
449.41	0.72	233.050	449.39	-1.44	-3.03	-0.60	0.56	-0.45	-25.20
473.34	0.72	235.380	473.32	-1.61	-3.27	-0.70	0.12	0.00	9.74
500.04	0.72	243.010	500.02	-1.79	-3.56	-0.79	0.36	0.00	28.58
524.15	0.85	243.670	524.13	-1.93	-3.85	-0.86	0.54	0.54	2.74
547.85	0.97	247.050	547.82	-2.09	-4.20	-0.92	0.55	0.51	14.26
572.50	1.01	244.130	572.47	-2.27	-4.58	-0.99	0.26	0.16	-11.85
597.24	1.13	240.090	597.21	-2.48	-4.99	-1.09	0.57	0.49	-16.33
625.02	1.09	233.910	624.98	-2.78	-5.44	-1.25	0.45	-0.14	-22.25
649.49	1.00	232.170	649.45	-3.04	-5.80	-1.42	0.39	-0.37	-7.11
674.20	1.04	232.050	674.15	-3.31	-6.15	-1.59	0.16	0.16	-0.49
698.05	0.98	239.610	698.00	-3.55	-6.49	-1.73	0.61	-0.25	31.70
722.47	1.03	243.290	722.42	-3.75	-6.87	-1.82	0.33	0.20	15.07
747.30	1.09	244.960	747.24	-3.95	-7.28	-1.91	0.27	0.24	6.73
775.74	1.29	242.430	775.68	-4.22	-7.81	-2.02	0.73	0.70	-8.90
799.60	1.32	239.160	799.53	-4.48	-8.29	-2.16	0.34	0.13	-13.70
824.18	1.43	236.760	824.10	-4.80	-8.79	-2.33	0.51	0.45	-9.76
848.71	1.36	235.330	848.63	-5.13	-9.28	-2.52	0.32	-0.29	-5.83
872.67	1.27	231.290	872.58	-5.46	-9.72	-2.72	0.54	-0.38	-16.86
897.04	1.18	231.210	896.94	-5.78	-10.13	-2.93	0.37	-0.37	-0.33
925.57	1.24	236.650	925.47	-6.14	-10.62	-3.14	0.45	0.21	19.07
949.48	1.35	237.740	949.37	-6.43	-11.07	-3.31	0.47	0.46	4.56
975.74	1.46	239.570	975.62	-6.76	-11.62	-3.49	0.45	0.42	6.97
997.24	1.55	235.870	997.12	-7.07	-12.10	-3.65	0.62	0.42	-17.21
1,022.79	1.58	235.260	1,022.66	-7.46	-12.67	-3.88	0.13	0.12	-2.39
1,050.91	1.51	234.200	1,050.77	-7.90	-13.29	-4.14	0.27	-0.25	-3.77
1,075.59	1.42	238.410	1,075.44	-8.25	-13.82	-4.34	0.57	-0.36	17.06
1,096.74	1.53	242.400	1,096.58	-8.52	-14.29	-4.48	0.71	0.52	18.87
1,121.53	1.49	247.460	1,121.36	-8.79	-14.88	-4.59	0.56	-0.16	20.41
1,150.42	1.56	252.280	1,150.24	-9.06	-15.60	-4.66	0.51	0.24	16.68
1,175.58	1.66	250.480	1,175.39	-9.28	-16.27	-4.70	0.45	0.40	-7.15
1,200.61	1.74	250.670	1,200.41	-9.53	-16.97	-4.75	0.32	0.32	0.76
1,224.58	1.74	248.130	1,224.37	-9.79	-17.65	-4.82	0.32	0.00	-10.60
1,249.63	1.69	244.420	1,249.41	-10.09	-18.34	-4.93	0.49	-0.20	-14.81
1,274.46	1.63	242.610	1,274.23	-10.41	-18.98	-5.07	0.32	-0.24	-7.29
1,298.79	1.56	242.410	1,298.55	-10.72	-19.58	-5.22	0.29	-0.29	-0.82
1,323.74	1.57	243.310	1,323.49	-11.03	-20.19	-5.36	0.11	0.04	3.61
1,348.66	1.62	247.380	1,348.40	-11.32	-20.82	-5.47	0.50	0.20	16.33
1,372.77	1.61	248.270	1,372.50	-11.58	-21.45	-5.56	0.11	-0.04	3.69



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well San Juan 29-7 Unit NP 512
Project:	Rio Arriba, NM NAD27	TVD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Site:	San Juan 29-7 Unit NP 512 Pad	MD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Well:	San Juan 29-7 Unit NP 512	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
1,397.99	1.70	249.610	1,397.71	-11.84	-22.13	-5.63	0.39	0.36	5.31
1,422.99	1.85	248.560	1,422.70	-12.11	-22.85	-5.71	0.61	0.60	-4.20
1,447.11	1.72	245.190	1,446.81	-12.41	-23.54	-5.81	0.69	-0.54	-13.97
1,471.97	1.66	242.130	1,471.66	-12.73	-24.20	-5.95	0.44	-0.24	-12.31
1,497.88	1.54	238.640	1,497.56	-13.09	-24.83	-6.13	0.60	-0.46	-13.47
1,522.04	1.43	233.080	1,521.71	-13.44	-25.35	-6.33	0.75	-0.46	-23.01
1,546.97	1.37	231.700	1,546.63	-13.81	-25.83	-6.57	0.28	-0.24	-5.54
1,572.03	1.49	232.600	1,571.68	-14.20	-26.32	-6.81	0.49	0.48	3.59
1,596.14	1.37	237.020	1,595.78	-14.54	-26.81	-7.01	0.68	-0.50	18.33
1,625.17	1.55	235.540	1,624.80	-14.95	-27.43	-7.25	0.63	0.62	-5.10
1,650.21	1.55	232.130	1,649.84	-15.35	-27.98	-7.49	0.37	0.00	-13.62
1,675.13	1.48	229.630	1,674.75	-15.77	-28.49	-7.76	0.39	-0.28	-10.03
1,699.15	1.54	226.100	1,698.76	-16.19	-28.96	-8.05	0.46	0.25	-14.70
1,723.53	1.48	221.320	1,723.13	-16.66	-29.40	-8.38	0.57	-0.25	-19.61
1,748.07	1.35	223.230	1,747.66	-17.11	-29.81	-8.70	0.56	-0.53	7.78
1,775.41	1.25	224.180	1,775.00	-17.55	-30.24	-9.02	0.37	-0.37	3.47
1,799.95	1.30	229.460	1,799.53	-17.93	-30.63	-9.28	0.52	0.20	21.52
1,824.46	1.36	232.780	1,824.03	-18.28	-31.08	-9.51	0.40	0.24	13.55
1,848.10	1.53	236.130	1,847.67	-18.63	-31.56	-9.71	0.80	0.72	14.17
1,872.60	1.62	240.420	1,872.16	-18.98	-32.13	-9.91	0.61	0.37	17.51
1,900.91	1.83	240.810	1,900.45	-19.40	-32.88	-10.11	0.74	0.74	1.38
1,925.46	1.90	235.110	1,924.99	-19.82	-33.55	-10.35	0.81	0.29	-23.22
1,949.20	1.88	229.250	1,948.72	-20.30	-34.17	-10.65	0.82	-0.08	-24.68
1,973.59	1.68	221.910	1,973.10	-20.83	-34.71	-11.01	1.24	-0.82	-30.09
1,998.15	1.67	220.350	1,997.65	-21.37	-35.19	-11.41	0.19	-0.04	-6.35
2,022.44	1.61	218.310	2,021.93	-21.91	-35.63	-11.82	0.34	-0.25	-8.40
2,050.73	1.56	221.560	2,050.20	-22.51	-36.13	-12.26	0.36	-0.18	11.49
2,075.15	1.59	224.250	2,074.62	-23.00	-36.58	-12.62	0.33	0.12	11.02
2,099.67	1.54	224.480	2,099.13	-23.48	-37.05	-12.96	0.21	-0.20	0.94
2,123.39	1.75	221.720	2,122.84	-23.98	-37.52	-13.32	0.95	0.89	-11.64
2,147.70	1.90	222.540	2,147.13	-24.55	-38.04	-13.73	0.63	0.62	3.37
2,172.24	2.07	222.260	2,171.66	-25.18	-38.61	-14.19	0.69	0.69	-1.14
2,196.54	2.07	218.340	2,195.94	-25.85	-39.18	-14.69	0.58	0.00	-16.13
2,224.98	2.09	217.190	2,224.36	-26.66	-39.81	-15.31	0.16	0.07	-4.04
2,249.55	2.07	217.320	2,248.92	-27.37	-40.35	-15.85	0.08	-0.08	0.53
2,274.77	2.09	219.240	2,274.12	-28.09	-40.92	-16.40	0.29	0.08	7.61
2,299.13	2.12	219.930	2,298.47	-28.78	-41.49	-16.91	0.16	0.12	2.83
2,324.09	2.07	221.250	2,323.41	-29.47	-42.08	-17.43	0.28	-0.20	5.29
2,348.52	1.85	219.030	2,347.82	-30.11	-42.62	-17.90	0.95	-0.90	-9.09
2,373.59	1.87	220.620	2,372.88	-30.74	-43.14	-18.37	0.22	0.08	6.34
2,399.12	2.03	223.480	2,398.40	-31.38	-43.72	-18.84	0.73	0.63	11.20
2,424.30	2.00	224.460	2,423.56	-32.02	-44.34	-19.29	0.18	-0.12	3.89
2,448.67	2.04	224.220	2,447.92	-32.63	-44.94	-19.73	0.17	0.16	-0.98



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well San Juan 29-7 Unit NP 512
Project:	Rio Arriba, NM NAD27	TVD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Site:	San Juan 29-7 Unit NP 512 Pad	MD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Well:	San Juan 29-7 Unit NP 512	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
2,474.01	2.09	223.890	2,473.24	-33.29	-45.57	-20.19	0.20	0.20	-1.30	
2,499.36	2.05	222.700	2,498.57	-33.96	-46.20	-20.67	0.23	-0.16	-4.69	
2,523.74	1.95	219.990	2,522.94	-34.59	-46.76	-21.14	0.56	-0.41	-11.12	
2,548.97	1.85	214.560	2,548.15	-35.26	-47.27	-21.65	0.82	-0.40	-21.52	
2,574.34	1.92	211.900	2,573.51	-35.96	-47.73	-22.20	0.44	0.28	-10.48	
2,598.84	1.72	207.970	2,598.00	-36.63	-48.12	-22.75	0.96	-0.82	-16.04	
2,624.10	1.70	211.660	2,623.25	-37.28	-48.49	-23.29	0.44	-0.08	14.61	
2,649.37	1.55	211.310	2,648.51	-37.89	-48.86	-23.78	0.59	-0.59	-1.39	
2,673.86	1.55	214.940	2,672.99	-38.45	-49.23	-24.22	0.40	0.00	14.82	
2,698.99	1.50	217.270	2,698.11	-38.99	-49.62	-24.64	0.32	-0.20	9.27	
2,724.37	1.48	220.020	2,723.48	-39.50	-50.03	-25.03	0.29	-0.08	10.84	
2,748.86	1.54	220.620	2,747.96	-40.00	-50.45	-25.39	0.25	0.24	2.45	
2,774.12	1.84	222.960	2,773.21	-40.55	-50.95	-25.80	1.22	1.19	9.26	
2,800.12	1.96	222.680	2,799.20	-41.18	-51.53	-26.25	0.46	0.46	-1.08	
2,824.03	1.98	226.790	2,823.09	-41.77	-52.11	-26.66	0.60	0.08	17.19	
2,849.22	1.97	230.010	2,848.27	-42.34	-52.76	-27.05	0.44	-0.04	12.78	
2,874.51	2.05	234.180	2,873.54	-42.89	-53.46	-27.39	0.66	0.32	16.49	
2,899.09	2.01	233.890	2,898.11	-43.40	-54.16	-27.70	0.17	-0.16	-1.18	
2,924.43	1.88	229.550	2,923.43	-43.93	-54.84	-28.04	0.77	-0.51	-17.13	
2,949.89	1.91	228.600	2,948.88	-44.48	-55.48	-28.40	0.17	0.12	-3.73	
2,974.52	1.78	227.850	2,973.49	-45.01	-56.07	-28.76	0.54	-0.53	-3.05	
2,999.95	1.54	227.870	2,998.91	-45.50	-56.61	-29.09	0.94	-0.94	0.08	
3,025.43	1.55	232.450	3,024.39	-45.94	-57.14	-29.38	0.49	0.04	17.97	
3,050.35	1.43	231.920	3,049.30	-46.34	-57.65	-29.63	0.48	-0.48	-2.13	
3,075.72	1.48	235.380	3,074.66	-46.72	-58.17	-29.86	0.40	0.20	13.64	
3,100.73	1.41	237.770	3,099.66	-47.07	-58.70	-30.06	0.37	-0.28	9.56	
3,123.57	1.30	241.520	3,122.49	-47.34	-59.16	-30.20	0.62	-0.48	16.42	
3,150.21	1.39	250.280	3,149.13	-47.60	-59.73	-30.29	0.84	0.34	32.88	
3,175.43	1.47	256.370	3,174.34	-47.78	-60.34	-30.31	0.68	0.32	24.15	
3,200.00	1.53	263.220	3,198.90	-47.89	-60.97	-30.25	0.77	0.24	27.88	
3,225.26	1.55	268.460	3,224.15	-47.94	-61.64	-30.12	0.56	0.08	20.74	
3,250.27	1.26	268.800	3,249.15	-47.95	-62.26	-29.98	1.16	-1.16	1.36	
3,275.26	1.09	273.980	3,274.14	-47.94	-62.77	-29.83	0.80	-0.68	20.73	
3,299.87	0.78	264.440	3,298.75	-47.94	-63.17	-29.73	1.41	-1.26	-38.76	
3,325.02	0.72	258.200	3,323.89	-47.99	-63.49	-29.69	0.40	-0.24	-24.81	
3,349.47	0.44	263.750	3,348.34	-48.03	-63.74	-29.67	1.17	-1.15	22.70	
3,375.20	0.51	221.950	3,374.07	-48.13	-63.91	-29.71	1.34	0.27	-162.46	
3,400.57	0.43	220.550	3,399.44	-48.28	-64.05	-29.83	0.32	-0.32	-5.52	
3,401.85	0.43	220.630	3,400.72	-48.29	-64.06	-29.83	0.05	0.00	6.25	
3,467.00	0.61	239.320	3,465.87	-48.65	-64.51	-30.06	0.38	0.28	28.69	
3,530.00	2.09	328.760	3,528.85	-47.84	-65.40	-29.05	3.45	2.35	141.97	
3,592.00	3.63	347.610	3,590.77	-44.96	-66.41	-26.00	2.88	2.48	30.40	
3,655.00	4.92	353.120	3,653.60	-40.33	-67.16	-21.34	2.15	2.05	8.75	
3,717.00	6.07	353.880	3,715.31	-34.43	-67.83	-15.47	1.86	1.85	1.23	



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well San Juan 29-7 Unit NP 512
Project:	Rio Arriba, NM NAD27	TVD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Site:	San Juan 29-7 Unit NP 512 Pad	MD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Well:	San Juan 29-7 Unit NP 512	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
3,780.00	7.29	351.730	3,777.88	-27.16	-68.76	-8.21	1.98	1.94	-3.41
3,844.00	8.98	349.800	3,841.24	-18.23	-70.22	0.80	2.67	2.64	-3.02
3,908.00	10.71	353.700	3,904.29	-7.40	-71.76	11.65	2.90	2.70	6.09
3,971.00	12.80	352.170	3,965.97	5.33	-73.35	24.36	3.35	3.32	-2.43
4,033.00	15.49	349.700	4,026.08	20.29	-75.77	39.42	4.45	4.34	-3.98
4,096.00	17.15	345.690	4,086.55	37.57	-79.57	57.09	3.18	2.63	-6.37
4,159.00	19.26	346.520	4,146.39	56.67	-84.29	76.77	3.37	3.35	1.32
4,221.00	19.02	346.360	4,204.96	76.43	-89.06	97.09	0.40	-0.39	-0.26
4,282.00	18.07	348.100	4,262.79	95.35	-93.35	116.47	1.80	-1.56	2.85
4,345.00	19.97	349.510	4,322.35	115.49	-97.32	136.95	3.10	3.02	2.24
4,408.00	21.38	350.970	4,381.29	137.41	-101.09	159.09	2.38	2.24	2.32
4,471.00	22.13	351.300	4,439.81	160.48	-104.68	182.30	1.21	1.19	0.52
4,534.00	20.66	351.070	4,498.46	183.19	-108.20	205.14	2.34	-2.33	-0.37
4,597.00	21.21	352.580	4,557.30	205.48	-111.40	227.48	1.22	0.87	2.40
4,659.00	22.95	351.960	4,614.75	228.57	-114.54	250.58	2.83	2.81	-1.00
4,722.00	21.82	349.680	4,673.01	252.25	-118.36	274.44	2.26	-1.79	-3.62
4,785.00	20.13	349.590	4,731.83	274.43	-122.41	296.91	2.68	-2.68	-0.14
4,848.00	21.33	350.570	4,790.75	296.40	-126.25	319.11	1.98	1.90	1.56
4,911.00	20.76	351.480	4,849.55	318.74	-129.78	341.61	1.04	-0.90	1.44
4,974.00	20.58	350.320	4,908.49	340.70	-133.30	363.72	0.71	-0.29	-1.84
5,036.00	20.62	348.150	4,966.53	362.13	-137.37	385.46	1.23	0.06	-3.50
5,099.00	20.14	347.700	5,025.59	383.58	-141.96	407.37	0.80	-0.76	-0.71
5,163.00	21.49	351.040	5,085.41	405.93	-146.13	430.03	2.81	2.11	5.22
5,226.00	21.69	352.070	5,143.99	428.86	-149.54	453.05	0.68	0.32	1.63
5,289.00	20.34	352.710	5,202.80	451.25	-152.53	475.45	2.17	-2.14	1.02
5,352.00	17.33	354.800	5,262.42	471.46	-154.77	495.54	4.90	-4.78	3.32
5,415.00	18.77	353.940	5,322.32	490.88	-156.69	514.79	2.32	2.29	-1.37
5,476.00	19.68	352.600	5,379.92	510.83	-159.05	534.65	1.66	1.49	-2.20
5,539.00	21.16	351.860	5,438.95	532.61	-162.03	556.45	2.38	2.35	-1.17
5,602.00	20.28	351.980	5,497.88	554.68	-165.16	578.57	1.40	-1.40	0.19
5,664.00	20.51	352.020	5,555.99	576.07	-168.17	600.01	0.37	0.37	0.06
5,727.00	21.73	353.050	5,614.76	598.58	-171.11	622.50	2.02	1.94	1.63
5,790.00	21.11	353.130	5,673.41	621.42	-173.88	645.27	0.99	-0.98	0.13
5,853.00	18.85	353.990	5,732.61	642.81	-176.30	666.54	3.62	-3.59	1.37
5,915.00	15.99	353.440	5,791.76	661.26	-178.33	684.88	4.62	-4.61	-0.89
5,980.00	13.66	351.710	5,854.60	677.75	-180.46	701.35	3.65	-3.58	-2.66
6,043.00	13.03	347.250	5,915.90	692.04	-183.10	715.83	1.92	-1.00	-7.08
6,106.00	14.68	344.250	5,977.06	706.65	-186.83	730.91	2.86	2.62	-4.76
6,169.00	13.77	343.060	6,038.13	721.50	-191.18	746.39	1.52	-1.44	-1.89
6,232.00	11.89	341.890	6,099.55	734.84	-195.39	760.37	3.01	-2.98	-1.86
6,294.00	10.20	340.320	6,160.40	746.09	-199.22	772.22	2.77	-2.73	-2.53
6,357.00	8.53	342.970	6,222.56	755.81	-202.47	782.45	2.74	-2.65	4.21
6,419.00	7.41	344.510	6,283.96	764.06	-204.88	791.04	1.84	-1.81	2.48



Scientific Drilling Survey Report



Company:	Hilcorp Energy - San Juan Basin	Local Co-ordinate Reference:	Well San Juan 29-7 Unit NP 512
Project:	Rio Arriba, NM NAD27	TVD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Site:	San Juan 29-7 Unit NP 512 Pad	MD Reference:	GL 6673' & RKB 17' @ 6690.00ft (Drake 3)
Well:	San Juan 29-7 Unit NP 512	North Reference:	True
Wellbore:	OH	Survey Calculation Method:	Minimum Curvature
Design:	OH	Database:	Grand Junction

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
6,482.00	6.36	341.540	6,346.51	771.28	-207.07	798.59	1.76	-1.67	-4.71
6,544.00	4.31	343.160	6,408.23	776.77	-208.83	804.35	3.32	-3.31	2.61
6,607.00	2.93	343.480	6,471.11	780.58	-209.98	808.32	2.19	-2.19	0.51
6,668.00	1.41	336.770	6,532.06	782.76	-210.72	810.63	2.52	-2.49	-11.00
6,731.00	0.35	286.940	6,595.05	783.53	-211.21	811.50	1.93	-1.68	-79.10
6,793.00	0.56	293.280	6,657.05	783.71	-211.67	811.79	0.35	0.34	10.23
6,855.00	0.68	285.060	6,719.05	783.92	-212.30	812.16	0.24	0.19	-13.26
6,918.00	0.83	289.910	6,782.04	784.17	-213.09	812.61	0.26	0.24	7.70
6,981.00	1.01	305.320	6,845.04	784.65	-213.97	813.30	0.48	0.29	24.46
7,044.00	0.79	317.170	6,908.03	785.29	-214.72	814.11	0.46	-0.35	18.81
7,108.00	0.57	336.660	6,972.02	785.91	-215.15	814.82	0.49	-0.34	30.45
7,171.00	0.62	355.370	7,035.02	786.53	-215.30	815.47	0.32	0.08	29.70
7,234.00	0.24	44.680	7,098.02	786.97	-215.23	815.87	0.79	-0.60	78.27
7,297.00	0.26	119.880	7,161.02	786.99	-215.02	815.83	0.48	0.03	119.37
7,360.00	0.30	152.180	7,224.02	786.77	-214.81	815.57	0.25	0.06	51.27
7,423.00	0.34	193.480	7,287.02	786.44	-214.78	815.24	0.36	0.06	65.56
7,486.00	0.23	267.060	7,350.02	786.26	-214.95	815.11	0.56	-0.17	116.79
7,549.00	0.48	159.990	7,413.01	786.00	-214.99	814.87	0.94	0.40	-169.95
7,612.00	0.76	137.850	7,476.01	785.44	-214.62	814.24	0.58	0.44	-35.14
7,675.00	0.91	127.370	7,539.00	784.83	-213.94	813.47	0.34	0.24	-16.63
7,737.00	0.99	133.170	7,601.00	784.17	-213.16	812.62	0.20	0.13	9.35
7,800.00	0.92	131.910	7,663.99	783.45	-212.38	811.73	0.12	-0.11	-2.00
7,863.00	0.97	137.580	7,726.98	782.72	-211.65	810.83	0.17	0.08	9.00
7,926.00	0.88	129.750	7,789.97	782.02	-210.92	809.96	0.25	-0.14	-12.43
7,989.00	1.00	126.310	7,852.96	781.39	-210.10	809.14	0.21	0.19	-5.46
8,052.00	1.03	134.280	7,915.95	780.66	-209.25	808.22	0.23	0.05	12.65
8,112.00	1.21	149.490	7,975.94	779.74	-208.54	807.14	0.58	0.30	25.35
8,165.00	1.21	149.490	8,028.93	778.78	-207.98	806.06	0.00	0.00	0.00

Checked By: _____ Approved By: _____ Date: _____

Subject: [EXTERNAL] WCR2024120593677 SAN JUAN 29-7 NP, Well Number: 512, Notification of Well Completion Acceptance *Page 16 of 37*

Sent: 12/5/2024, 9:36:29 AM
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 NP**
- Well Number: **512**
- US Well Number: **3003924342**
- Well Completion Report Id: **WCR2024120593677**

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

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

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

Other: **Sidetrack**

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
Unit G (SW/NE), 1448'FNL & 2370'FEL

At top prod. Interval reported below
Unit B (NW/NE), 687'FNL & 2572'FEL

At total depth

14. Date Spudded
11/26/1988

15. Date T.D. Reached
8/19/2024

16. Date Completed **11/26/2024**
☐ D & A ☒ Ready to Prod.

5. Lease Serial No.

NMSF078503A

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.

SAN JUAN 29-7 UNIT NP 512

9. API Well No.

30-039-24342

10. Field and Pool or Exploratory

BASIN DAKOTA

11. Sec., T., R., M., on Block and
Survey or Area

SEC.19,29N,R07W

12. County or Parish

RIO ARRIBA

13. State

NEW MEXICO

17. Elevations (DF, RKB, RT, GL)*
6674'

18. Total Depth:
8153'

19. Plug Back T.D.:
8153'

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 Cement Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12 1/2"	9 5/8", H-40	32.3	0	522'		448 CF		0	
8 3/4"	7", K-55	20	0	3416'		1147 CF		0	
6 1/8"	4 1/2", J-55	11.6	0	8152'		241 SX		5470'	

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"	8081'							



25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) DAKOTA (UPPER)	7782'	7846'		0.35"	22	OPEN
B) DAKOTA (LOWER)	7861'	7968'		0.35"	24	OPEN
C)						
D)					46	



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

Depth Interval	Amount and Type of Material
7782'-7846'	FOAM FRAC'D LWR DAKOTA WITH 75,261 LBS 20/40 ARIZONA AND 62,622 GAL SLICKWATER AND 2.41 MILLION SCF N2. 60 QUALITY.
7861'-7968'	OAM FRAC'D UPPER DAKOTA WITH 75,170 LBS 20/40 ARIZONA AND 60,732 GAL SLICKWATER AND 2.40 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
11/26/2024	11/26/2024	4		0	775	0			Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
24/64	400	520			775				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	
									

*(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	2480'	2560'	White, cr-gr ss	Ojo Alamo	2480'
Kirtland	2560'	3117'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2560'
Fruitland	3117'	3378'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3117'
Pictured Cliffs	3378'	3463'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3378'
Lewis	3463'	4371'	Shale w/ siltstone stingers	Lewis	3463'
Chacra	4371'	5080'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4371'
Cliffhouse	5080'	5311'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5080'
Menefee	5311'	5659'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5311'
Point Lookout	5659'	6937'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5659'
Mancos	6937'	7241'	Dark gry carb sh.	Mancos	6937'
Gallup	7241'	7684'	Lt. gry to brn calc carb micac glauc silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	7241'
Greenhorn	7684'	7738'	Highly calc gry sh w/ thin lmst.	Greenhorn	7684'
Graneros	7738'	7738'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7738'
Dakota	7738'		Lt to dark gry foss carb sl calc sl sity ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7738'
Morrison	8086'		Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	8086'

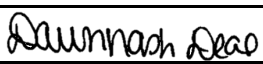
32. Additional remarks (include plugging procedure):

THE WELL IS CURRENTLY PRODUCING AS A MV/DK COMMINGLE PER DHC 5426 .**Agreement # NMNM078417B**

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

- | | | | |
|---|--|-------------------------------------|---|
| <input type="checkbox"/> Electrical/Mechanical Logs (1 full set req'd.) | <input type="checkbox"/> Geologic Report | <input type="checkbox"/> DST Report | <input type="checkbox"/> Directional Survey |
| <input type="checkbox"/> Sundry Notice for plugging and cement verification | <input type="checkbox"/> Core Analysis | <input type="checkbox"/> 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)	<u>Dawn Nash-Deal</u>	Title	<u>Operations/Regulatory Technician</u>
Signature	<u></u>	Date	<u>12/10/2024</u>

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.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM 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: **Sidetrack**

2. Name of Operator

Hilcorp Energy Company3. Address
382 Road 3100, Aztec, NM 874103a. Phone No. (include area code)
(505) 599-3400

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

At surface
Unit G (SW/NE), 1448'FNL & 2370'FELAt top prod. Interval reported below
Unit B (NW/NE), 687' FNL & 2572' FEL

At total depth

14. Date Spudded
11/26/198815. Date T.D. Reached
8/19/202416. Date Completed **10/3/2024**
☐ D & A ☒ Ready to Prod.17. Elevations (DF, RKB, RT, GL)*
6674'18. Total Depth:
8153'19. Plug Back T.D.:
8153'20. Depth Bridge Plug Set: MD
TVD

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

CBL22. 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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
12 1/2"	9 5/8", H-40	32.3	0	522'		448 CF		0	
8 3/4"	7", K-55	20	0	3416'		1147 CF		0	
6 1/8"	4 1/2", J-55	11.6	0	8152'		241 SX		5470'	

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"	8081'							



25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) CLIFF HOUSE/ UPPER MENELEE	5147'	5436'	1 SPF	0.35"	35	OPEN
B) POINT LOOKOUT/LOWER MENELEE	5468'	6042'	1 SPF	0.35"	42	OPEN
C) SQUEEZE PERF	3730'	3731'	1 SPF		3	CLOSED
D)					77	



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

Depth Interval	Amount and Type of Material
5147'-5436'	FOAM FRAC'D W/ 125,185# 20/40 ARIZONA AND 49,434 GAL SLICKWATER AND 1.78M SCF N2 70 Q.
5468'-6042'	FOAM FRAC'D W/ 120,059#,20/40 ARIZONA AND 45,948 GAL SLICKWATER AND 1.71M SCF N2 70 Q.
3730'-3731'	SQUEEZE CEMENT DETAIL IN THE CASING/CEMENT SUNDRY DATED 9/26/24 IN WELL FILE

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
10/3/2024	10/3/2024	4		0	775	0			Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
24/64	400	520			775				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.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI								

*(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):	31. Formation (Log) Markers
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.	

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
Ojo Alamo	2480'	2560'	White, cr-gr ss	Ojo Alamo	2480'
Kirtland	2560'	3117'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2560'
Fruitland	3117'	3378'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3117'
Pictured Cliffs	3378'	3463'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3378'
Lewis	3463'	4371'	Shale w/ siltstone stingers	Lewis	3463'
Chacra	4371'	5080'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4371'
Cliffhouse	5080'	5311'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5080'
Menefee	5311'	5659'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5311'
Point Lookout	5659'	6937'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5659'
Mancos	6937'	7241'	Dark gry carb sh.	Mancos	6937'
Gallup	7241'	7684'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	7241'
Greenhorn	7684'	'	Highly calc gry sh w/ thin lmst.	Greenhorn	7684'
Graneros		7738'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	'
Dakota	7738'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7738'
Morrison	8086'		Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	8086'

32. Additional remarks (include plugging procedure):

THE WELL IS CURRENTLY PRODUCING AS A MV/DK COMMINGLE PER DHC 5426 .
AGREEMENT # NMNM078417A

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

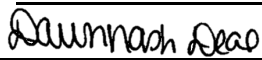
☐ Sundry Notice for plugging and cement verification☐ Core Analysis☐ Other:

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

Signature



Title

Operations/Regulatory Technician

Date

12/10/2024

Well Name: SAN JUAN 29-7 NP	Well Location: T29N / R7W / SEC 19 / SWNE / 36.714996 / -107.611038	County or Parish/State: RIO ARRIBA / NM
Well Number: 512	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMSF078503A	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003924342	Operator: HILCORP ENERGY COMPANY	

Subsequent Report

Sundry ID: 2822348

Type of Submission: Subsequent Report	Type of Action: Recompletion
Date Sundry Submitted: 12/04/2024	Time Sundry Submitted: 02:21
Date Operation Actually Began: 08/28/2024	

Actual Procedure: HILCORP ENERGY SIDETRACKED THE SUBJECT WELL INTO THE MV/DK PER THE ATTACHED REPORTS. THE WELL IS CURRENTLY PRODUCING AS A STANDALONE MV PENDING COMMINGLE OPERATIONS.

SR Attachments

Actual Procedure

San_Juan_29_7_Unit_NP_512_Sidetrack_SR_20241204142039.pdf

Well Name: SAN JUAN 29-7 NP	Well Location: T29N / R7W / SEC 19 / SWNE / 36.714996 / -107.611038	County or Parish/State: RIO ARRIBA / NM
Well Number: 512	Type of Well: OTHER	Allottee or Tribe Name:
Lease Number: NMSF078503A	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003924342	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: DAWN NASH-DEAL	Signed on: DEC 04, 2024 02:21 PM
Name: HILCORP ENERGY COMPANY	
Title: Operations Regulatory Tech	
Street Address: 1111 TRAVIS ST	
City: HOUSTON	State: TX
Phone: (505) 324-5132	
Email address: DNASH@HILCORP.COM	

Field

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

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Accepted	Disposition Date: 12/05/2024
Signature: Kenneth Rennick	



Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT NP #512 ST1

API: 3003924342

Field: BASIN (FRUITLAND COAL)

State: NEW MEXICO

Permit to Drill (PTD) #:

Sundry #:

Rig/Service: RIGLESS 3

Jobs

Actual Start Date: 8/26/2024

End Date:

Report Number
3

Report Start Date
8/28/2024

Report End Date
8/28/2024

Operation

CREW TRAVEL TO LOCATION

HELD PJSM, CREW CHECK PRESSURE CSG (0 PSI), TBG (0 PSI) BDW 0 MIN.

RUN MIT, RU WELLCHECK, RUN **MIT TEST (560PSI) WITNESSED BY EILEEN MEDRANO W/ NMOCD, TEST CASING TO (4500PSI) GOOD TEST**, RD WELL CHECK,

TIH, LD TUBING 259 JOINTS

SHUTDOWN, SECURE WELL, DEBRIEF CREW

CREW TRAVEL TO YARD

Report Number
4

Report Start Date
8/29/2024

Report End Date
8/29/2024

Operation

CREW TRAVEL TO LOCATION

HELD PJSM, CREW CHECK PRESSURE CSG (0 PSI), TBG (0 PSI) BDW 0 MIN.

RU WIRELINE RUN CBL, RUN CBL UNDER PRESSURE, RIGDOWN WIRELINE,

ND BOP NU FRAC STAC, PT INSTALL 2- WAY VALVE PT FRAC STAC TO 4500PSI (GOOD), REMOVE 2-WAY VALVE.

Report Number
5

Report Start Date
8/31/2024

Report End Date
8/31/2024

Operation

RIG UP BASIN WIRELINE. RIH AND **PERFORATE STAGE 1 LOWER DAKOTA @7861'-7968', 0.35" DIA, 1SPF, 24 SHOTS**, POOH.

RIG UP FRAC CREW. PRIME, COOL DOWN, TEST, SAFETY MEETING.

FRAC STAGE 1: BROKE DOWN WELL WITH WATER AND 500 GAL 15% HCL. **FOAM FRAC'D LWR DAKOTA WITH 75,261 LBS 20/40 ARIZONA AND 62,622 GAL SLICKWATER AND 2.41 MILLION SCF N2. 60 QUALITY.** AVG RATE = 45 BPM, AVG PSI = 3,766. ISIP WAS 2,455 PSI. (1,977 PSI IN 5 MIN, 1912 PSI IN 10 MIN, 1,861 PSI IN 15 MIN). 100% OF DESIGNED SAND PUMPED.

RIG UP WIRELINE. RIH AND **SET BRIDGE PLUG AT 7,855' AND PERFORATE STAGE 2, UPPER DAKOTA 7782'-7846', 0.35", 1SPF, 22 SHOTS**, POOH.

FRAC STAGE 2: BROKE DOWN WELL WITH WATER AND 500 GAL 15% HCL. **FOAM FRAC'D UPPER DAKOTA WITH 75,170 LBS 20/40 ARIZONA AND 60,732 GAL SLICKWATER AND 2.40 MILLION SCF N2. 60 QUALITY.** AVG RATE = 44 BPM, AVG PSI = 4,157 PSI. ISIP WAS 2,888 PSI. (2,409 PSI IN 5 MIN, 2,322 PSI IN 10 MIN, 2,234 PSI IN 15 MIN.). 100% OF DESIGNED SAND AWAY. DROPPED RATE DUE TO PRESSURE TREND.

RIH AND SET CBP AT 7,675'. BLEED OFF, PLUG HOLDING.

SHUT IN WELL AND RIG DOWN CREWS. TOTAL FRAC LOAD = 2,961 BBLS (INCLUDING 24 BBLS OF ACID). TOTAL SAND = 75,170 LBS. TOTAL N2 = 4.81 MILLION SCF.

Report Number
6

Report Start Date
9/5/2024

Report End Date
9/5/2024

Operation

LOAD EQUIP. RIG MOVE SAFETY MEETING. MOB RIG & EQUIP TO SAN JUAN 29-7 NP #512 ST1(6 MILE MOVE). 3 RIG UP TRUCKS.

MIRU RIG & EQUIP. R/U FLOOR AND TUBING HANDLING EQUIPMENT.

PJSM. SICP- 900 PSI, SITP- 0 PSI, SIBHP- 0 PSI. SIICP-0, BDW IN 30 MIN.

N/D WELLHEAD AND N/U BOP. FUNCTION TEST BOP, (GOOD)

SIW, SECURE LOCATION, SDFN.

CREW TRAVEL TO YARD.

Report Number
7

Report Start Date
9/6/2024

Report End Date
9/6/2024

Operation

CREW TRAVEL TO LOCATION

HELD PJSM, CREW CHECK PRESSURE CSG (180 PSI), TBG (0 PSI) BDW 5 MIN.

RU WIRELINE IN **SET CIBP @ 3750'**, RU PRESSURE TEST TO (500PSI), **CIBP HOLDING, MU RUN IN PERF HOLE @ 3730'**, PUMP INTO WELL MAKE SURE TO GET WATER RETURNS, CIRCULATE, RIGDOWN WIRELINE,

PUMU CICR, PU TALLY OFF FLOAT, SET CICR @3720' RU MAKE SURE WELL CIRCULATED OUT INTERMEDIATE WITH NO PROBLEM,

SHUTDOWN, SECURE WELL, DEBRIEF CREW

CREW TRAVEL TO YARD

Report Number
8

Report Start Date
9/9/2024

Report End Date
9/9/2024

Operation

CREW TRAVEL TO LOCATION

HELD PJSM, CREW CHECK PRESSURE CSG (0PSI), TBG (0 PSI) BDW 0 MIN.

RU DRAKE ENERGY CEMENTERS, PUMPED INJECTION RATE, 4BBLS/ MIN @600 PSI, PUMP CEMENT, 60 SXS 23 BBL,2.15, 12.5#, .5 GAL/SX. 14 BBLS DISP, @ 750PSI, LD 10' PUP,

TOOH, LD SETTING TOOL.

SHUTDOWN SECURE WELL

CREW DROVE TO YARD

Report Number
9

Report Start Date
9/10/2024

Report End Date
9/10/2024



Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT NP #512 ST1

API: 3003924342

Field: BASIN (FRUITLAND COAL)

State: NEW MEXICO

Sundry #:

Rig/Service: RIGLESS 3

Operation

ATTEND BAYWATER SAFETY MEETING, CREW TRAVEL TO LOCATION

HELD PJSM, CREW CHECK PRESSURE CSG (0PSI), TBG (0 PSI) BDW 0 MIN.

PUMU 3 7/8 JUNK MILL, PU 6 DRILL COLLARS, TIH TAG CEMENT ', PU POWER SWVL, START DRILLING CIGR, DRILL 20' CMNT, PT TO (600PSI) GOOD TEST, DRILL OUT CIBP, TALLY TBG PICKUP OFF FLOAT TO 7675' TAG ISOLATION PLUG, CIRCULATE CLEAN, PRESSURE TEST (600PSI) GOOD TEST,

SHUTDOWN SECURE WELL

CREW DROVE TO YARD

Report Number
10Report Start Date
9/11/2024Report End Date
9/11/2024

Operation

ATTEND HILCORP SAFETY MEETING, CREW TRAVEL TO LOCATION

PJSM. SICP- 340 PSI, SITP- 0 PSI, SIBHP- 0 PSI. BDW IN 5 MIN.

TOOH, W/TBG, LOAD HOLE WHILE TOOH, RACK BACK DRILL COLLARS, LD JUNK MILL

RU WELLCHECK, PRESSURE TO 560 PSI, PERFORM MIT WITH NEW MEXICO NMOCD REP JOHN DURUMN WITNESS, MIT GOOD, PERFORM BRADENHEAD TEST WHILE PERFORMING MIT, BRADENHEAD TEST PASSED, PERFORM INTERMEDIATE TEST WHILE PERFORMING MIT, INTERMEDIATE TEST PASSED,

RU BASIN WIRELINE, RUN CBL, RD WIRELINE,

TIH, LD DRILL DOLLARS, TIH W/TBG, LD TBG,

SHUTDOWN SECURE WELL DEBRIEF CREW

TRAVEL TO HILCORP YARD

Report Number
11Report Start Date
9/12/2024Report End Date
9/12/2024

Operation

CREW TRAVEL TO LOCATION

HELD PJSM, CREW CHECK PRESSURE CSG (0 PSI), TBG (0 PSI)

FINISH TOOH, LD TUBING, SWAP OUT TBG FLOATS,

RU BASIN WIRELINE, **TIH SET CBP @6100', RUMU PERF GUNS RIH PERF FROM 5468' TO 6042', LD GUNS, PU FRAC BAFFLE TIH SET @ 5455', PU MODEL D PACKER RUN IN SET @ 5060', RD WIRELINE.**

STRAP, DRIFT AND PU 2 7/8" 7.9# P-110 FRAC STRING AND LAND AS FOLLOWS:

87 - 2-7/8" P-110 WHITE BAND TUBING (2,740.50')

PBTD - 8114.00'

EOT - 2740.50'

KB - 17'

SISW. DEBRIEFED CREW. SDFN.

CREW TRAVELED TO YARD

Report Number
12Report Start Date
9/13/2024Report End Date
9/13/2024

Operation

TRAVEL TO LOCATION.

HELD PJSM WITH RIG CREW ON TODAY'S OPERATIONS. BDW. SITP: 0 PSI SICP: 0 PSI SIBHP: 0 PSI BDW: 0 MIN

FINISH TIH, STRAP, DRIFT AND PU 2.875" 6.5# L-80 FRAC STRING AND LAND AS FOLLOWS:

TUBING HANGER (.64)

1 - 2-7/8" L-80 TUBING PUP JT (9.74')

1 - 2-7/8" L-80 TUBING PUP JT (10.10')

1 - 2-7/8" L-80 TUBING PUP JT (6.18')

1 - 2-7/8" L-80 TUBING PUP JT (1.07')

1 - XO (1.09')

161 - 2-7/8" L-80 YELLOW BAND TUBING (4980.12')

1 - 2-7/8" L-80 YELLOW BAND TUBING (2')

1 - 2-7/8" L-80 YELLOW BAND TUBING (31.16')

1 - XO (1.2')

1 - ANCHOR LATCH SEAL ASSEMBLY (.68')

PBTD - 8114.00'

EOT - 5071.94'

KB - 17'

PACK OFF PULLED 15K OVER LAND W/15K ON PACKER. INSTALL 2 WAY CHECK.

RD RIG FLOOR. ND BOP. NU FRACK VALVE. TEST BS HELD 560# 11 MIN. TEST VOID ON HANGER 350 LOW 5 MIN. 5000# HIGH 15 MIN. PRESSURE TEST 2.875" FRAC STING 8000# F/30 MIN. RU EXPERT SLICKLINE. RIH W/ 1.72" SINKER BAR AND BUST DISK. RIH W/1.90 GR. WORK THROUGH. POOH. RD SLICKLINE

RIG DOWN RIG AND EQUIPMENT. PREP FOR RIG MOVE. RIG RELEASED TO THE SAN JUAN 27-5 NP #330 ST1 AT 17:00 ON 9/13/24. JOB COMPLETE.

SISW. DEBRIEFED CREW. SDFN. FINAL REPORT.

CREW TRAVELED TO YARD

Report Number
13Report Start Date
9/21/2024Report End Date
9/21/2024

Operation

RIG UP FRAC AND WIRELINE CREWS. PRIME, COOL DOWN, TEST, SAFETY MEETING. PUT 500 PSI ON FRAC STRING ANNULUS.



Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT NP #512 ST1

API: 3003924342

Field: BASIN (FRUITLAND COAL)

State: NEW MEXICO

Sundry #:

Rig/Service: RIGLESS 3

Operation

FRAC STAGE 3: BROKE DOWN WELL WITH WATER AND 1000 GAL 15% HCl. **FOAM FRAC'D POINT LOOKOUT / LOWER MENEFFEE WITH 120,059 LBS 20/40 ARIZONA AND 45,948 GAL SLICKWATER AND 1.71 MILLION SCF N2. 70 QUALITY.** AVG RATE = 54 BPM, AVG PSI = 4,877. ISIP WAS 404 PSI (292 PSI IN 5 MINUTES). 100% OF SAND PUMPED. PUMPED TWO SAND RAMPS WITH A BALL DROP OF 20 RCN 7/8" PERF BALLS BETWEEN SAND RAMPS. DECREASED RATE AT END OF SECOND RAMP DUE TO PRESSURE TREND.

DROP BALL ON FRAC BAFFLE. CHECK FOR BALL ACTION. RIH AND PERFORATE STAGE 2 IN TWO GUN RUNS, (UPPER MEN/CLIFFHOUSE). HAD ONE MISFIRE ON FIRST RUN AND HAD TO RERUN FIRST GUN STRING. HAD A MIS RUN ON SECOND GUN RUN. TRIED TO RESHOOT THE LAST 5 SHOTS, ONLY GOT 2 AWAY BEFORE ANOTHER MISFIRE. DROPPED LAST 3 PERFS.

COOL DOWN AND TEST. FRAC STAGE 4: BROKE DOWN WELL WITH WATER AND 1,000 GAL 15% HCl. **FOAM FRAC'D CLIFFHOUSE / UPPER MENEFFEE WITH 125,185 LBS 20/40 ARIZONA AND 49,434 GAL SLICKWATER AND 1.78 MILLION SCF N2. 70 QUALITY.** AVG RATE = 54 BPM, AVG PSI = 4,735. ISIP WAS 685PSI (298 PSI IN 5 MINUTES). PUMPED TWO 60,000 LB SAND RAMPS AND DROPPED 15 7/8" RCN BALLS IN BETWEEN RAMPS. DID NOT STAGE TO 2# SAND ON FIRST AND SECOND SAND RAMPS DO PRESSURE TRENDS. PUMPED 104% OF DESIGNED SAND TOTAL. HAD TO SHUT DOWN AT START OF STAGE DUE TO A NITROGEN IRON LEAK AND LOST COMMUNICATION WITH FLUID SIDE PUMPS.

SHUT IN WELL AND RIG DOWN CREWS. TOTAL FRAC LOAD = 2,319 BBLS (INCLUDING 48 BBLS OF ACID). TOTAL SAND = 245,244 LBS. TOTAL N2 = 3.49 MILLION SCF.

Report Number 14	Report Start Date 9/22/2024	Report End Date 9/22/2024
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Operation

TRAVEL TO LOCATION. (SAN JUAN 29-7 U-141)

HELD PJSM, SERVICE & START EQUIPMENT.

RIG MOVE EQUIPMENT TO LOCATION. (9 MILE RIG MOVE)

SPOT EQUIPMENT. RU RIG & RIG EQUIPMENT.

CK PSI: TBG-1150#, CSG-350#, BH-0#. BDW. MONITOR WH PSI. WAIT ON BDW CREW.

CNT MONITORING WH PSI. AFTER 8 HRS OF MONITORING WH PSI. THE PSI DROPPED FROM 1150# TO 750# PSI. RU BDW CREW. BDW OVER NIGHT. DEBRIEF RIG CREW, SDFN.

TRAVEL TO YARD.

Report Number 15	Report Start Date 9/23/2024	Report End Date 9/23/2024
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Operation

TRAVEL TO LOCATION.

HELD PJSM. SERVICE & START EQUIPMENY. CK PSI: TBG-350#, CSG-0#, BH-0#. CNT BDW.

RU RIG FLOOR. RU WELLCHECK LUBRICATOR. KILL WELL WITH 40 BBLS OF FRESH H2O.

INSTALL 2 WAY CHECK VAVLE IN HANGER. RD WELLCHECK. RD RIG FLOOR.

NIPPLE DOWN FRAC STACK VALVES. FT TEST BOP. NU BOP. RU RIG FLOOR & TBG EQUIPMENT. PSI TEST BOP. HIGH SIDE 2500#. TEST OK. 250# LOW SIDE. TEST OK.

WORK MODEL D PKR FREE. PULL TBG HANGER. RU WELLCHECK LUBRICATOR. ATTEMPT TO REMOVE 2WAY CHECK VALVE. UNABLE TO REMOVE CHECK VALVE.

KILL CSG WITH 50 BBLS OF FRESH H2O. MONITOR TBG PSI. BLEED DOWN TBG TO 0# PSI. REMOVE LUCBRICATOR. REMOVE CHECK VALVE. RD WELL CHECK. (A PIECE OF IRON WAS FOUND ON TOP OF CHECK VALVE MAKING THE REMOVAL OF VALVE DIFFICULT) (ORIGIN OF IRON PIECE IS UNKNOWN. DOES HOWEVER LOOKS LIKE A PIECE OF CIBP THAT HAD BEEN DRILLED OUT & PERHAPS WAS INSIDE THE BOP)

LD TBG HANGER & LANDING SUBS. LD 5 JTS OF 2 7/8 RTS-8 FRAC STRING PIPE. SIW, SDFN. CLEAN & SECURE LOCATION. DEBRIEF CREW.

TRAVEL TO YARD.

Report Number 16	Report Start Date 9/24/2024	Report End Date 9/24/2024
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Operation

DROVE TO LOCATION.

PJSM, START AND WARM UP EQUIP.

SICP 1,050 PSI.

SITP 1,050 PSI.

BH 0 PSI.

INT 0 PSI.

BDT 20 MIN.

BLOW DOWN WELL FOR 20 MIN TO 150 PSI AND THEN KILL WELL W/40 BBL DOWN TBG AND PUMP 40 BBL MORE WHILE LAYING DOWN TBG ON BACK SIDE.

TOH LAYING DOWN FRAC STRING, REMAINING 157 JTS AND SEAL ASS.

SWAP TBG TRAILERS- CHANGE OUT TOOLS FOR 2 3/8" TBG.

MU BHA, RUN IN W/3 7/8" MILL SHOE, FLOW SUB, JARS, 6-3 1/8" DRILL C, XO, 155 JTS 2 3/8", TAG AT , RU TBG SWIVEL.

SHUT IN AND SECURED WELL.

TRAVEL BACK TO TOWN.

Report Number 17	Report Start Date 9/25/2024	Report End Date 9/25/2024
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Operation

TRAVEL TO LOCATION.

HELD PJSM. SERVICE & START EQUIPMENT. CK PSI: TBG-0#, CSG-1050#, BH-0#. BDW 20 MINS.

RU POWER SWIVEL. 2 JTS WITH PS. TAG MODEL D PKR @ 5060'. EST CIRC AFTER 20 MINS.



Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT NP #512 ST1

API: 3003924342		Field: BASIN (FRUITLAND COAL)		State: NEW MEXICO	
		Sundry #:		Rig/Service: RIGLESS 3	
Operation					
AFTER EST CIRC POWER SWIVEL WASH PIPE BEGAN TO LEAK. KILL TBG WITH 20 BBLS OF FRESH. RD PS. REPLACE PACKING. PACKING WAS NOT THE PROBLEM. RD PS. WAIT ON ANOTHER PS.					
RU NEW PS. EST CIRC. TAG PKR @ 5060' BEGIN MILLING. MILLED OUT 22" OF PKR. PUMPED A SWEEP LD 2 JTS. RD PS. SIW, SDFN. DEBRIEF CREW.					
TRAVEL TO YARD.					
Report Number 18		Report Start Date 9/26/2024		Report End Date 9/26/2024	
Operation					
TRAVEL TO LOCATION.					
HELD PJSM. SERVICE & START EQUIPMENT. CK PSI: TBG-0# CSG-1000#, BH-0#. BDW TO 150# PSI.					
RU PS. PU 2 JTS WITH PS. TAG MODEL D PKR @ 5062'. EST CIRC. BEGIN MILLING.					
AFTER SEVERAL HRS OF MILLING ONLY 2" WAS MADE. TOO H TO INSPECT MILL. NO DAMAGE OR WEAR ON MILL. SWAP MILL FROM 2 7/8" ID TO 3 1/8" ID.					
KILL WELL WITH 40 BBLS OF FRESH. TIH WITH NEW 3 1/16" MIL. SIW, SDFN. DEBRIEF CREW.					
TRAVEL TO YARD.					
Report Number 19		Report Start Date 9/27/2024		Report End Date 9/27/2024	
Operation					
TRAVEL TO LOCATION.					
HELD PJSM. SERVICE & START EQUIPMENT. CK PSI: TBG -0# CSG-1000#, BH-0#. BDW FOR 20 MINS. BDW TO 150# PSI.					
RU PS. PU 2 JTS W/PS. TAG MODEL D PKR @ 5062'. PUMP A 2 BBL SWEEP. EST CIRC. BEGIN MILLING. MILL OUT PKR. CHASE PKR TO BAFFLE PLUG @ 5510'. CLEAN OUT.					
RD PS. LD 1 JT. KILL WELL WITH 40 BBLS OF FRESH. TOO H REMOVE MIL.					
KILL WELL WITH 20 BBLS OF FRESH. TIH WITH PKR STINGER TOOL. TAG PKR @ 5510'. WORK FISHING TOOL. KILL WELL WITH 40 BBLS OFFRESH. TOO H. NO FISH.					
KILL WELL WITH 20 BBLS OF FRESH. TIH WITH FISHING TOOLS TO TOP OF PERFS @ 5300'. SIW SDFN. CLEAN & SECURE LOCATION. DEBREIF CREW.					
TRAVEL TO YARD.					
Report Number 20		Report Start Date 9/28/2024		Report End Date 9/28/2024	
Operation					
TRAVEL TO LOCATION.					
HELD PJSM, SERVICE & START EQUIPMENT. CK PSI: TBG-0#, CSG-800#, BH-0#.					
BDW FOR 20 MINS. BDW TO 150# PSI.					
TIH. TAG MODEL D PKR @ 5526'. 4' DEEPER. RU PS.					
EST CIRC AFTER 10 MINS. WORK SPEAR FISHING TOOL. WORK TOOL DOWN TO 5532'. PUMP A 5 BBL SWEEP.					
LD 1 JT WITH PS. RD PS. KILL WELL WITH 40 BBLS OF FRESH. TOO H. NO FISH. NEW ORDERS. TO USE 3.00 OVERSHOT & NOT SPEAR.					
KILL WELL WITH 30 BBLS OF FRESH. TIH WITH 3.00" OS. TAG FISH @ 5522'.					
RU PS. EST CIRC. WORK FISH DOWN TO 5532'. (AIR PSI INCREASED BY 400# PSI) PUMP 5 BBL SWEEP.					
LD 2 JTS W/PS. RD PS. KILL WELL WITH 30 BBLS OF FRESH. TOO H (SLOWLY AS FISH WAS DRAGGING ALL THRU THE TRIP) LD FISH & FISHING TOOLS. SIW, SDFN. CLEAN & SECURE LOCATION. DEBRIEF RIG CREW.					
TIH WITH DC & JUNK MILL TO 3300'. SIW, SDFN. CLEAN & SECURE LOCATION. DEBRIEF CREW.					
Report Number 21		Report Start Date 9/29/2024		Report End Date 9/29/2024	
Operation					
TRAVEL TO LOCATION.					
HELD PJSM. SERVICE & START EQUIPMENT. CK PSI: TBG-0#, CSG-750#, CSG-0					
BDW FOR 20 MINS. BDW TO 150# PSI.					
TIH TAG BAFFLE PLUG @ 5536'. RU PS. EST CIRC AFTER 15 MINS. BEGIN MILLING BAFFLE PLUG.					
DRILL OUT BAFFLE PLUG. PU 1 JT W/PS. TAG PLUG @ 5580'. EST CIRC. BEGIN DRILL OUT AGAIN. (SMALL SAND RETURNS).					
DRILL OUT BAFFLE PLUG. PUSH PLUG DOWN 5762'. BEGIN CLEAN OUT (HEAVY SAND RETURNS) WELL MAKING 1 BUCKET OF SAND AN HR. CNT TO CLEAN OUT.					
CLEAN TO 5762' EOT + BHS. LD TWO JTS W/PS.					
RD PS. TOO H ABOVE THE PERFS. SIW, SDFN. CLEAN & SECURE LOCATION.					
TRAVEL TO YARD.					
Report Number 22		Report Start Date 9/30/2024		Report End Date 9/30/2024	
Operation					
DROVE TO LOCATION.					
PJSM, START AND WARM UP EQUIP.					
SICP 660 PSI.					
BH 0 PSI.					
BDW IN 20 MIN.					
TIH W/12 STS AND PICK UP 3 JTS, TAG FILL AT 5754' ON JT#177 , RU SWIVEL AND KI AIR UNIT.					



Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT NP #512 ST1

API: 3003924342	Field: BASIN (FRUITLAND COAL)	State: NEW MEXICO
	Sundry #:	Rig/Service: RIGLESS 3

Operation

CLEAN OUT FILL FROM 5754' TO 6100' TO NEXT CIBP, DILL OUT CIBP IN 3 HRS, LET IT CLEAN UP FOR 20 MIN, LOW SAND RETURNS, RUN 2 JTS W/SWIVEL, DIDN'T TAG, RD SWIVEL, PICK UP 6 JTS MORE AND TAG AT 6340', TOH W/19 STS TO 5150', (KILL TBG W/4 BBL TO REMOVED STRINGFLOW).

SISW, SDFN.

TRAVEL BACK HOME.		
Report Number 23	Report Start Date 10/1/2024	Report End Date 10/1/2024

Operation

DROVE TO LOCATION.

PJSM, START AND WARM UP EQUIP.
SICP 660 PSI

TIH W/19 STS, TAG PLUG AT 6340' AND FALL DOWN, CHASE IT DOWN TO TOP OF NEXT CIBP AT 7671'.

LD 38 JTS AND TOH W/100 STS, LD 6 DC AND MILL. (KILL WELL W/40 BBL AND LEFT PUMP PUMPING SLOW, TOTAL OF 80 BBL). TIH

W/PROD, DRIFTING EVERY CONNECTION = PUMP OUT PLU, NEW SN, 1 JT, 2' MJ, 199 JTS, LAND 2 3/8" , 4.7# J-55 TBG @ 6297'

RD RIG FLOOR, ND BOP, NU WH, RD FLOW LINES.

RD WSU AND PREPARE EQUIPMENT TO MOVE, RELEASED WSU BACK TO DRAKE'S YARD.

Report Number 24	Report Start Date 10/1/2024	Report End Date 10/2/2024
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Operation

MOVE IN AND SPOT IDEAL COMPLETION EQUIPMENT. R/U SEPARATION EQUIPMENT. FLOW BACK WELL TO FLARE AND SALES. RIG DOWN IDEAL COMPLETION EQUIPMENT. (OPENED WELL 10/1 @ 21:00, SHUT IN ON 10/2 @ 12:00).



Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT NP #512 ST1

API: 3003924342

Field: BASIN (FRUITLAND COAL)

State: NEW MEXICO

Permit to Drill (PTD) #:

Sundry #:

Rig/Service: BHE 38

Jobs

Actual Start Date: 8/26/2024 End Date: 11/26/2024

Report Number 25	Report Start Date 11/18/2024	Report End Date 11/18/2024
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Operation

MOVE RIG EQUIP T/LOC & SPOT. DID NOT OPEN OR BDW.

Report Number 26	Report Start Date 11/23/2024	Report End Date 11/23/2024
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Operation

CREW TRVL T/LOC.

R/U RIG & EQUIP.

PJSM. SICP-100, SITP-58, SIICP-0, SIBHP-0. BDW 15 MINUTES.

N/D WH & TREE. N/U BOP & TEST, OK. R/U 3" LINES. R/U WORK FLOOR & TBG HANDLING EQUIP.

UNLAND TBG & L/D HANGER. TOH W/2-3/8" 4.7# PRODUCTION TBG F/6297'.

M/U 3-7/8" JUNK MILL, TALLY & TIH ON 2-3/8" 4.7# TBG F/DERRICK & P/U F/TRAILER. TAG FILL @ 7637' (38' FILL).

L/D 2 JNTS TBG. R/U PWR SWIVEL.

SWI. WINTERIZE EQUIP. SECURE LOC. SDFN.

CREW TRVL T/YARD.

Report Number 27	Report Start Date 11/24/2024	Report End Date 11/24/2024
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Operation

CREW TRVL T/LOC.

PJSM. SICP-430, SITP-NA, SIICP-0, SIBHP-0. BDW 20 MINUTES.

P/U 1 JNT TBG. R/U PWR SWIVEL. UNLOAD HOLE W/AIR & ESTABLISH CIRC W/9-11 BPH 2% KCL, 1.5 GPH SOAP & 1 GPH CI.

CLEAN OUT FILL F/7637' T/CBP @ 7675'. **DRILL OUT CBP T/7677'**, 1 HR DRILL TIME.

NOTE: WHEN PLUG CAME FREE HAD A 55 PSI CSG PRESSURE SPIKE THROUGH 6" RETURN LINE, TOOK 2 HRS & L/D 3 JNTS AS PRESSURE WAS PUSHING PLUG UP HOLE T/DRILL PLUG ENOUGH T/ALLOW PRESSURE T/ESCAPE PAST & RESUME CLEAN OUT T/NEXT PLUG.

CONTINUE P/U TBG W/SWIVEL, ROTATE, CIRC & CHASE PLUG PARTS T/CBP #2 @ 7858'. **DRILL OUT CBP #2 T/7860'**, 1.5 HRS DRILL TIME. ROTATE & WORK PLUG DOWN HOLE 10' T/7870'. STILL PRESSURING UP BELOW PLUG (TRACE SAND & LIGHT PLUG DEBRIS IN RETURNS). PUMP SWEEPS & CIRC HOLE CLEAN.

NOTE: 30 PSI CSG PRESSURE SPIKE THROUGH 6" LINES, WHEN DRILL TOP OFF PLUG, DIDN'T PUSH PLUG UP HOLE BUT IS MAKING PROGRESS SLOW.

R/D PWR SWIVEL & HANG IN DERRICK. TOH W/3-7/8" JNK MILL T/7600' (ABOVE PERFS).

SWI. WINTERIZE EQUIP. SECURE LOC. SDFN.

CREW TRVL T/YARD.

Report Number 28	Report Start Date 11/25/2024	Report End Date 11/25/2024
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Operation

CREW TRVL T/LOC.

PJSM. SICP-550, SITP-NA, SIICP-0, SIBHP-0. BDW 20 MINUTES.

TIH W/3-7/8" JNK MILL F/7600. TAG PLG REMNANTS @ 7870'. R/U PWR SWIVEL. ESTABLISH CIRC W/AIR MIST, USING 10 BPH 2% KCL, 1.5 GPH SOAP & 1 GPH CI.

MILL PLUG PARTS @ 7870'. SINGLE IN W/SWIVEL, ROTATE & CIRCULATE. TAG SOLID FILL @ 8010'. CLEAN OUT FILL T/PBTD @ 8111'. PUMP SOAP SWEEPS & CIRC HOLE CLEAN. R/D PWR SWIVEL & HANG IN DERRICK.

L/D 15 JNTS EXCESS TBG. TOH W/2-3/8" 4.7#, J-55, EUE TBG T/DERRICK. L/D MILL.

M/U 2-3/8" PRODUCTION BHA, TIH W/DRIFTING ON 2-3/8" 4.7# J-55, EUE TBG T/5100' (ABOVE TOP PERF).

SWI. WINTERIZE EQUIP. SECURE LOC. SDFN.

CREW TRVL T/YARD.

Report Number 29	Report Start Date 11/26/2024	Report End Date 11/26/2024
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Operation

CREW TRVL T/LOC.

PJSM. SICP-500, SITP-NA, SIICP-0, SIBHP-0. BDW 20 MINUTES.

CONT DRIFT & TIH W/PROD BHA, ON 2-3/8" 4.7# J-55, EUE PROD TBG. M/U HANGER.

TBG LANDED AS FOLLOWS:

1 - TBG HANGER

1 - JNT 2-3/8" 4.7#, J-55, EUE TBG

2 - PUP JNTS 2-3/8" (1x6", 1x2')

242 - JNTS 2-3/8" 4.7#, J-55, EUE TBG

1 - 2' MARKER JNT 2-3/8"

1 - JNT 2-3/8" 4.7#, J-55, EUE TBG

1 - SN (1.78" ID)

1 - TBG PUMP OFF DISK (2-3/8" COUPLING)

SN @ 7679.98' EOT @ 7681.53'



Well Operations Summary L48

Well Name: SAN JUAN 29-7 UNIT NP #512 ST1

API: 3003924342	Field: BASIN (FRUITLAND COAL)	State: NEW MEXICO
	Sundry #:	Rig/Service: BHE 38

Operation

R/D PWR SWIVEL & RACK ON TRAILER. R/D WORK FLOOR & TBG HANDLING EQUIP. N/D BOP. N/U WH & TREE.
PUMP 4 BBL FW PAD. PRTS TBG T/500 PSI W/AIR, OK. PUMP OUT TBG PLUG W/1100 PSI. UNLOAD HOLE & CIRC CI T/SURFACE.
R/D RIG & EQUIP. MOVE RIG OFF WELLHEAD.
SWI. SECURE LOC. WINTERIZE EQUIP. SDFN.
CREW TRVL T/YARD. FINAL REPORT.

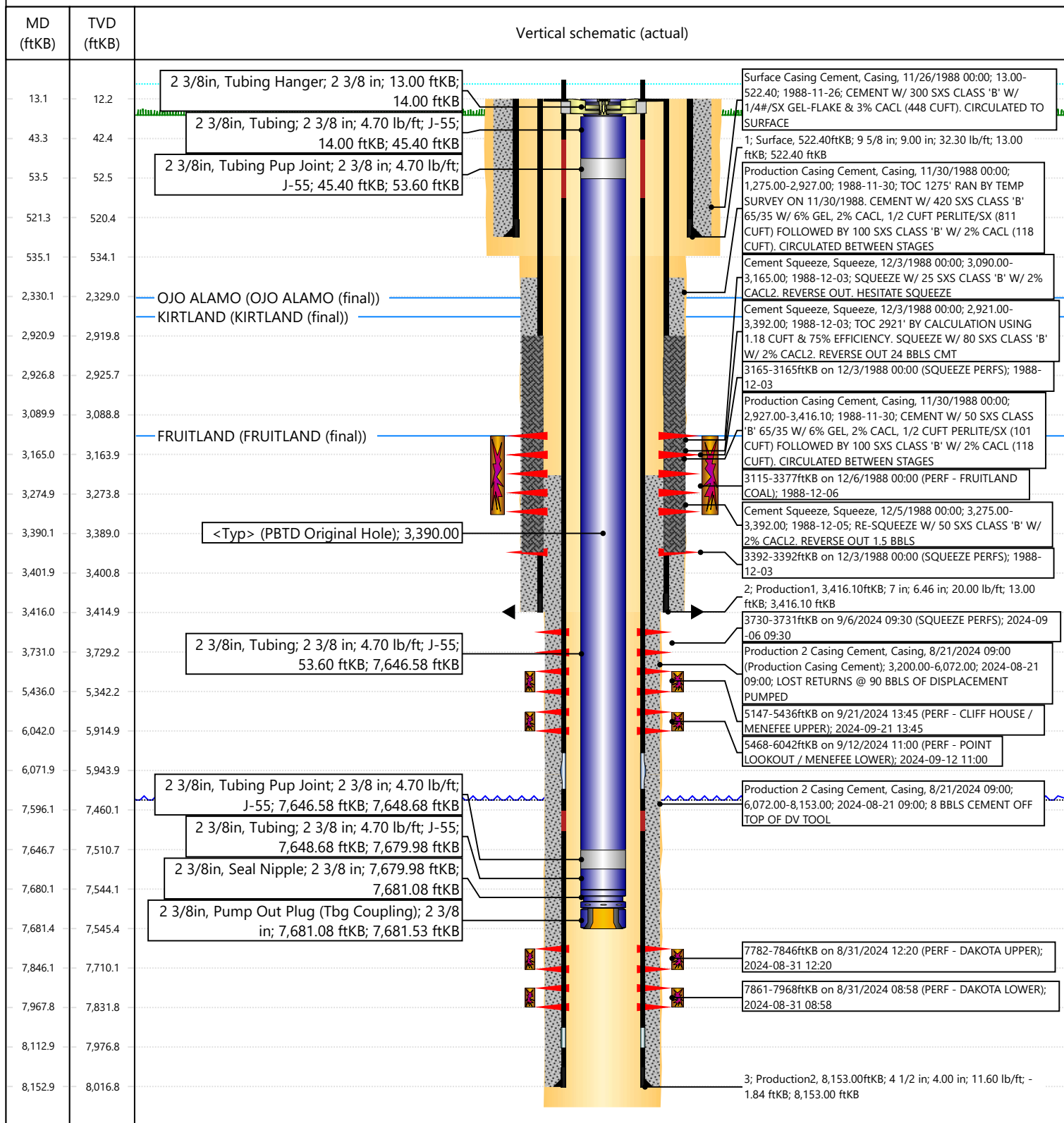


Current Schematic - Version 3

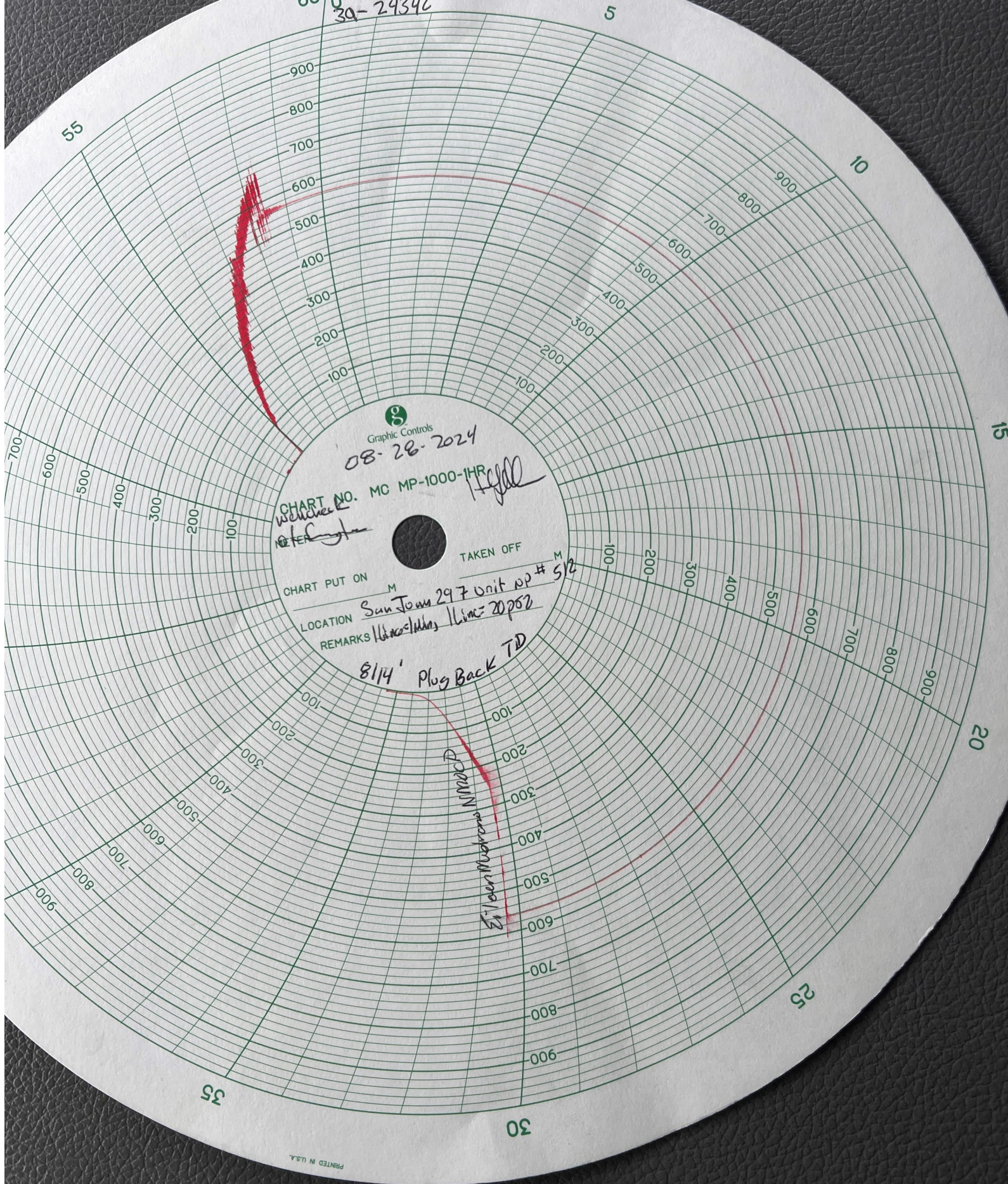
Well Name: SAN JUAN 29-7 UNIT NP #512 ST1

API / UWI 3003924342	Surface Legal Location 019-029N-007W-G	Field Name BASIN (FRUITLAND COAL)	Route 1001	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,673.00	Original KB/RT Elevation (ft) 6,686.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
Tubing Strings					
Run Date 11/26/2024 12:00	Set Depth (ftKB) 7,681.53	String Max Nominal OD (in) 2 3/8	String Min Nominal ID (in) 2.00	Weight/Length (lb/ft) 4.70	Original Spud Date 11/26/1988 22:00

Sidetrack 1 [VERTICAL]



Hilcorp sec 19-29N-67W
unit G
39-24342



PRINTED IN U.S.A.



RE: [EXTERNAL] FINAL C-104 - SAN JUAN 29-7 UNIT NP 512

From Martinez, Patricia, EMNRD <PatriciaL.Martinez@emnrd.nm.gov>

Date Mon 6/2/2025 11:05 AM

To Dawn Nash-Deal <dnash@hilcorp.com>

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

Hi Dawn

NMOCD has granted an extension for the mentioned well and will Expire 6/30/2025.

30-039-24342 – San Juan 29 7 Unit NP #512

Thanks,

PATRICIA MARTINEZ

EMNRD-OCD SOUTH

1625 N. FRENCH DR.

HOBBS, NM 88240

CELL: 575.602.4387

patricia.martinez@emnrd.nm.gov

From: Dawn Nash-Deal <dnash@hilcorp.com>

Sent: Monday, June 2, 2025 10:20 AM

To: Martinez, Patricia, EMNRD <PatriciaL.Martinez@emnrd.nm.gov>

Subject: RE: [EXTERNAL] FINAL C-104 - SAN JUAN 29-7 UNIT NP 512

Do we need to shut in this well?

From: Dawn Nash-Deal

Sent: Monday, June 2, 2025 9:44 AM

To: Patricia L. Martinez <PatriciaL.Martinez@emnrd.nm.gov>

Subject: RE: [EXTERNAL] FINAL C-104 - SAN JUAN 29-7 UNIT NP 512

Importance: High

Good morning Patricia,

I just wanted to check on this. The extension for this one expired on Friday.

Thanks

Dawn

From: Dawn Nash-Deal

Sent: Friday, May 30, 2025 12:18 PM

To: Patricia L. Martinez <PatriciaL.Martinez@emnrd.nm.gov>

Subject: FW: [EXTERNAL] FINAL C-104 - SAN JUAN 29-7 UNIT NP 512
Importance: High

Good afternoon Patricia,

I just wanted to check on this? It is due today.

Thank you,
Dawn

From: Dawn Nash-Deal <dnash@hilcorp.com>
Sent: Wednesday, May 28, 2025 2:00 PM
To: Martinez, Patricia, EMNRD <PatriciaL.Martinez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FINAL C-104 - SAN JUAN 29-7 UNIT NP 512

Good afternoon Patricia,

I wanted to follow up on this one. It is due in two days 😊

Thanks
Dawn

From: Martinez, Patricia, EMNRD <PatriciaL.Martinez@emnrd.nm.gov>
Sent: Wednesday, April 30, 2025 11:28 AM
To: Dawn Nash-Deal <dnash@hilcorp.com>
Subject: RE: [EXTERNAL] FINAL C-104 - SAN JUAN 29-7 UNIT NP 512

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

Hi Dawn

*NMOCD has granted an additional extension for the mentioned well and will Expire 5/30/2025.
30-039-24342 – San Juan 29 7 Unit NP #512*

Thanks,

PATRICIA MARTINEZ
EMNRD-OCD SOUTH
1625 N. FRENCH DR.
HOBBS, NM 88240
CELL: 575.602.4387
patricia.martinez@emnrd.nm.gov

From: Dawn Nash-Deal <dnash@hilcorp.com>
Sent: Wednesday, April 30, 2025 10:30 AM
To: Martinez, Patricia, EMNRD <PatriciaL.Martinez@emnrd.nm.gov>
Subject: RE: [EXTERNAL] FINAL C-104 - SAN JUAN 29-7 UNIT NP 512

Good morning Patrica,

I also wanted to follow up on the 512. This one expires today. If another extension is needed may you please grant that 😊

Thanks so much!!
Dawn

From: Martinez, Patricia, EMNRD <PatriciaL.Martinez@emnrd.nm.gov>
Sent: Thursday, April 24, 2025 4:22 PM
To: Dawn Nash-Deal <dnash@hilcorp.com>
Subject: RE: [EXTERNAL] FINAL C-104 - SAN JUAN 29-7 UNIT NP 512

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Hi Dawn

NMOCD has granted an additional extension for the mentioned well and will Expire 4/30/2025.

30-039-24342 – San Juan 29 7 Unit NP # 512

Thanks,

PATRICIA MARTINEZ

EMNRD-OCD SOUTH
1625 N. FRENCH DR.
HOBBS, NM 88240
CELL: 575.602.4387
patricial.martinez@emnrd.nm.gov

From: Dawn Nash-Deal <dnash@hilcorp.com>
Sent: Thursday, April 24, 2025 4:06 PM
To: Martinez, Patricia, EMNRD <PatriciaL.Martinez@emnrd.nm.gov>
Subject: [EXTERNAL] FINAL C-104 - SAN JUAN 29-7 UNIT NP 512

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

This was submitted yesterday under action ID 455105 and it is correct 😊
I think it is due today as well.

Dawn Nash-Deal
SJS Regulatory Technician
Hilcorp Energy Company
382 RD 3100 Aztec, NM 87410
Office: 505.324.5132 | dnash@hilcorp.com

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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 478307

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 478307
	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.

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

CONDITIONS

Action 478307

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 478307
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
plmartinez	None	6/30/2025