

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 30-5 UNIT 81	Property Code: 318433
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal	API Number: 30-039-22709
Pool Name: Blanco Mesaverde	Pool Code: 72319

Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
L	27	30N	05W		1850 S	790 W	36.781498	-107.3510818	RIO ARRIBA


Section 3 – Completion Information

Producing Method Flowing	Ready Date 7/29/2024	Perforations MD 5178' – 6023'	Perforations TVD 5178' – 6023'
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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): PREVIOUS TO SYSTEM	Communitization Agreement <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Surface Casing Action ID: PREVIOUS TO SYSTEM	Unit: <input type="checkbox"/> Yes <input checked="" 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. DHC 5415
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No. R-10987-A(6)

Section 5 - Operator Signature and Certification

<input checked="" type="checkbox"/> I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
<input checked="" type="checkbox"/> I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
<input checked="" type="checkbox"/> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name 	
Title: Operations Regulatory Tech Sr.	Date 8/29/2024

**Note: Extension Request granted 8/13/2024 via email, new C-104 RC due 9/30/2024 (S. McGrath)

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: 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

L (NWSW) 1850' FSL & 790' FWL

At top prod. Interval reported below

At total depth

14. Date Spudded

4/28/1981

15. Date T.D. Reached

5/6/1981

16. Date Completed

7/29/2024

☐ D & A☒ Ready to Prod.

18. Total Depth:

8010'

19. Plug Back T.D.:

7995'

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 1/4"	9 5/8" K-55	36#		375'		200 SX			
8 3/4"	7" K-55	20#		3814'		160 SX			
6 1/4"	4 1/2" K-55	10.5#		8008'		345 SX			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2 3/8"	7867'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Cliffhouse/Menefee/Point Lookout	5178'	6023'	1 SPF	0.35"	98	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
CLIFFHOUSE (5,178' - 5,419')	FRAC AT 60 BPM W/ 70Q N2 FOAM. TOTAL LOAD: 684 BBLS SLICKWATER: 672 BBLS TOTAL ACID: 12 BBLS TOTAL 20/40 SAND: 100,410 LBS TOTAL N2: 1,028,000 SCF
MENEFEE (5,433' - 5,612')	FRAC AT 60 BPM W/ 70Q N2 FOAM. TOTAL LOAD: 452 BBLS SLICKWATER: 440 BBLS TOTAL ACID: 12 BBLS TOTAL 20/40 SAND: 50,683 LBS TOTAL N2: 572,000 SCF
POINT LOOKOUT (5,675' - 6,023')	FRAC AT 60 BPM W/ 70Q N2 FOAM. TOTAL LOAD: 698 BBLS SLICKWATER: 686 BBLS TOTAL ACID: 12 BBLS TOTAL 20/40 SAND: 100,486 LBS TOTAL N2: 917,000 SCF

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
7/29/2024	7/29/2024	4	➡	0	114	1			Flowing
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
18/64"	665	515	➡	0	684	24			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):	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	2557'	2782'	White, cr-gr ss	Ojo Alamo	2557'
Kirtland	2782'	3158'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2782'
Fruitland	3158'	3438'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3158'
Pictured Cliffs	3438'	3819'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	3438'
Lewis	3819'	4547'	Shale w/ siltstone stingers	Lewis	3819'
Chacra	4547'	5109'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4547'
Cliffhouse	5109'	5423'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	5109'
Menefee	5423'	5654'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	5423'
Point Lookout	5654'	6081'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5654'
Mancos	6081'	6914'	Dark gry carb sh.	Mancos	6081'
Gallup	6914'	7653'	Lt. gry to brn calc carb micac glucac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6914'
Greenhorn	7653'	7707'	Highly calc gry sh w/ thin lmst.	Greenhorn	7653'
Graneros	7707'	7833'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7707'
Dakota	7833'		Lt to dark gry foss carb sl calc sl sity ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7833'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	

32. Additional remarks (include plugging procedure):

This well is now producing as a MV/DK commingle under DHC 5415
MV # PA NMNM 078419A

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

☒ Electrical/Mechanical Logs (1 full set req'd.)

☐ Geologic Report

☐ DST Report

☐ Directional Survey

☐ Sundry Notice for plugging and cement verification

☐ Core Analysis

☐ Other:

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


Name (please print)

Amanda Walker

Title

Operations/Regulatory Technician - Sr.

Signature



Date

8/29/2024

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.

My Monitor for WCRID: 92860

Operator Name	Well Name	Well Number	US Well Number
HILCORP ENERGY COMPANY	SAN JUAN 30-5 UNIT	81	3003922709
SHL	County	State	Lease Number(s)
ALIQUOT: NWSW SEC: 27 TWN: 30N RNG: 5W	RIO ARRIBA	NM	NMSF078738
Well Type	Well Status	Agreement Name	Agreement Number(s)
CONVENTIONAL GAS WELL	PGW	81N SAN JUAN 30-5 UNIT-DK, SAN JUAN 30-5 UNIT--MV	NMNM123317, NMNM78419A
Allottee/Tribe	Well Pad Name	Well Pad Number	APD ID
			96AIR0340AFEF

Well Completion Print Report3160-4 Report

WCRx WorklistProcess Model

View all process activities in chronological order.

ID	Status	Activity	Completed By	Participant	Created Date	Deadline	Completed Date
101	Completed	Submit Well Completion Report	AMANDA WALKER	AMANDA WALKER	2024/8/29 7:09:00 AM		2024/8/29 7:18:00 AM
103	Completed	Initial Review	KENNETH G RENNICK	Adjudicator	2024/8/29 7:18:00 AM		2024/8/29 9:16:00 AM
105	Completed	Engineer Review	KENNETH G RENNICK	Engineer	2024/8/29 9:16:00 AM		2024/8/29 9:18:00 AM

Well Name: SAN JUAN 30-5 UNIT	Well Location: T30N / R5W / SEC 27 / NWSW / 36.78128 / -107.35048	County or Parish/State: RIO ARRIBA / NM
Well Number: 81	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078738	Unit or CA Name: 81N SAN JUAN 30-5 UNIT-DK	Unit or CA Number: NMNM123317
US Well Number: 3003922709	Operator: HILCORP ENERGY COMPANY	

Subsequent Report

Sundry ID: 2809373

Type of Submission: Subsequent Report	Type of Action: Recompletion
Date Sundry Submitted: 08/29/2024	Time Sundry Submitted: 01:20
Date Operation Actually Began: 07/02/2024	

Actual Procedure: The following well has been recompleted into the Mesaverde and is now producing as a DHC with the existing Dakota. Please see the attached for the recompletion operations.

SR Attachments

Actual Procedure

SAN_JUAN_30_5_UNIT_81_SR_RC_Writeup_20240829132027.pdf

Well Name: SAN JUAN 30-5 UNIT	Well Location: T30N / R5W / SEC 27 / NWSW / 36.78128 / -107.35048	County or Parish/State: RIO ARRIBA / NM
Well Number: 81	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078738	Unit or CA Name: 81N SAN JUAN 30-5 UNIT-DK	Unit or CA Number: NMNM123317
US Well Number: 3003922709	Operator: HILCORP ENERGY COMPANY	

Operator

I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a

Operator Electronic Signature: AMANDA WALKER
Signed on: AUG 29, 2024 01:20 PM
Name: HILCORP ENERGY COMPANY
Title: Operations/Regulatory Technician
Street Address: 1111 TRAVIS ST
City: HOUSTON State: TX
Phone: (346) 237-2177
Email address: MWALKER@HILCORP.COM

Field

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

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK
BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742
BLM POC Email Address: krennick@blm.gov
Disposition: Accepted
Disposition Date: 08/29/2024
Signature: Kenneth Rennick



Well Operations Summary L48

Well Name: SAN JUAN 30-5 UNIT #81

API: 3003922709	Field: DK	State: NEW MEXICO
Permit to Drill (PTD) #:	Sundry #:	Rig/Service: RIGLESS 1

Jobs

Actual Start Date: 7/2/2024	End Date: 7/29/2024
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Report Number 1	Report Start Date 7/2/2024	Report End Date 7/2/2024
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Operation

SLICKLINE CLEARED TUBING PRIOR TO RIG ARRIVING ON LOCATION.
MOVE FROM THE SAN JUAN 29-6 #207 TO THE SAN JUAN 30-5 #81 (16 MILE MOVE). SPOT RIG AND EQUIPMENT.

RIG UP
.
.
SITP:130 PSI
SICP: 90 PSI
SIIC: 50 PSI
SIBH: 55 PSI
BLOW DOWN WELL 5 MIN.

NIPPLE DOWN WELLHEAD, USE CHEATER PIPE TO REMOVE WELLHEAD BOLTS. NIPPLE UP BOPE. FUNCTION TEST BOPE (GOOD).
ATTEMPT TO PULL TUBING HANGER WITHOUT SUCCESS. CALL FOR TUBING JACK

SECURE WELL AND LOCATION. TRAVEL TO YARD.

Report Number 2	Report Start Date 7/3/2024	Report End Date 7/3/2024
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Operation

CREW TRAVELED TO LOCATION.

SERVICE AND START EQUIPMENT
.
SITP: 240 PSI
SICP: 240 PSI
SIIC: 48 PSI
SIBH: 0 PSI
BLOW DOWN 5 MIN.

RIG UP BIG RED TUBING JACK TO PULL STUCK TUBING HANGER, COULD NOT BREAK HANGER FREE.
RIG DOWN JACK, NIPPLE DOWN BOPE, RIG UP TUBING JACK ON WELLHEAD, TUBING HANGER IS FREE.
NIPPLE UP BOPE.
PULL AND LAY DOWN TUBING HANGER. DID NOT TAG FOR FILL.

SAFETY MEETING, RIG UP TUBOSCOPE LAY DOWN TOOL
TRIP OUT OF HOLE INSPECTING 2 3/8" PRODUCTION TUBING.

256- YELLOW
0- BLUE
2- GREEN
0- RED

RIG DOWN TUBOSCOPE SCANNING EQUIPMENT.
DOWNGRADES DUE PITTING.
NO HOLES FOUND

PICK UP 3 7/8" BIT AND STRING MILL AND TRIP IN THE HOLE 7820'.
TRIP OUT OF THE HOLE.

SECURE WELL AND LOCATION

TRAVEL TO YARD

Report Number 3	Report Start Date 7/4/2024	Report End Date 7/4/2024
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Operation

CREW TRAVELED TO LOCATION.

SERVICE AND START EQUIPMENT
.
SITP: 0 PSI
SICP: 80 PSI
SIIC: 50 PSI
SIBH:50 PSI
BLOW DOWN 2 MIN

PICK UP 4 1/2" CIBP AND TRIP IN THE HOLE, SET CIBP AT 7785.
LOAD HOLE CIRCULATE CLEAN WITH 120 BBLS OF BIOCIDES WATER.
PRESSURE TEST CASING TO 560 PSI, PRESSURE CONTINUED TO CLIMB.

TRIP OUT WITH SETTING TOOL.

RIG UP BASIN PERFORATING AND RUN CBL FROM 7785' TO SURFACE WITH 600 PSI ON CASING.

SECURE WELL AND LOCATION

TRAVEL TO YARD



Well Operations Summary L48

Well Name: SAN JUAN 30-5 UNIT #81

API: 3003922709

Field: DK

State: NEW MEXICO

Sundry #:

Rig/Service: RIGLESS 1

Report Number 4	Report Start Date 7/8/2024	Report End Date 7/8/2024
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Operation

CREW TRAVELED TO LOCATION.

WAIT ON NMOCD REP TO WITNESS MIT

SERVICE AND START EQUIPMENT. RIG MAINTENANCE.

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

RIG UP WELLCHECK, PRE TEST ON CASING.

WITNESSED AND CHARTED MIT ON 4 1/2" CASING, 570 PSI FOR 30 MINUTES, GOOD TEST.

JOHN DURHAM WITH NMOCD WITNESSED ALL TESTS BRADEN HEAD AND INTERMEDIATE CASING TEST.

PICK UP 4 1/2" SCBP AND TRIP IN THE HOLE WITH 200 JOINTS. **SET SCBP AT 6104'.**

PRESSURE TEST CASING WITH RIG PUMP TO 2000 PSI. GOOD TEST.

TRIP OUT OF THE HOLE LAYING DOWN TUBING

TIRP OUT OF HOLE LAYING DOWN TUBING

SECURE WELL AND LOCATION

TRAVEL TO YARD

Report Number 5	Report Start Date 7/9/2024	Report End Date 7/9/2024
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Operation

CREW TRAVELED TO LOCATION.

SERVICE AND START EQUIPMENT.

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

TRIP IN HOLE AND LAY DOWN 54 JOINTS OF TUBING.

RIG DOWN FLOOR, NIPPLE DOWN BOPE.

NIPPLE DOWN AND REPLACE THE 3K WELLHEAD WITH A 5K. STUB UP 4 1/2" CASING. PRESSURE TEST VOID TO 2400 PSI, GOOD. NIPPLE UP BOPE.

NIPPLE UP 5 K FRAC STACK. PACK OFF BRADEN HEAD SEALS.

RIG UP WELLCHECK, WITH 500 PSI ON INTERMEDIATE CASING, PRESSURE TEST 4 1/2" CASING TO 4200 PSI FROM THE BASE OF FRAC PLUG AT 6104' TO SURFACE. CHARTED 30 MINUTE TEST.

RIG DOWN, RIG RELEASED TO THE CAT DRAW #101.

Report Number 6	Report Start Date 7/23/2024	Report End Date 7/23/2024
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Operation

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

R/U BASIN WELL LOGGING. RIH AND CORRELATE TO LOG RAN ON 7-4-2024. **PERFORATE POINT LOOKOUT FROM 5,675' - 6,023' WITH 33 SHOTS, 0.35" HOLES 1 SPF.**

PERFORATED FROM 5,960' - 6,022' WITH 3-1/8" SLICK BARREL GUNS. .
5,960'-5,961' (2 SHOTS), 5,966'-5,967' (2 SHOTS), 6,015'-6,016' (2 SHOTS), 6,022'-6,023' (2 SHOTS).

HAD 3 RUNS WITH MULTIPLE MISFIRE ISSUES. SHOT REMAINING PERFS WITH 2-3/4" DYNA GUNS.

PERFORATE FROM 5,675' - 5,851' WITH 2-3/4" DYNA, 22 SHOTS, 1SPF, .35" HOLES.

5,675', 5,676', 5,677', 5,685', 5,686', 5,690', 5,691', 5,698', 5,699', 5,746', 5,747', 5,764', 5,765', 5,766', 5,772', 5,773', 5,831', 5,832', 5,842', 5,843', 5,850', 5,851'.
POH. ALL SHOTS FIRED.

RIG UP FRAC AND N2 EQUIPMENT. COOL DOWN N2 PUMPS.

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

HELD PRE JOB SAFETY MEETING WITH ALL PERSONAL ON LOCATION.



Well Operations Summary L48

Well Name: SAN JUAN 30-5 UNIT #81

API: 3003922709	Field: DK	State: NEW MEXICO
	Sundry #:	Rig/Service: RIGLESS 1

Operation

POINT LOOKOUT STIMULATION: (5,675' - 6,023')

FRAC AT 60 BPM W/ 70Q N2 FOAM.
TOTAL LOAD: 698 BBLS
SLICKWATER: 686 BBLS
TOTAL ACID: 12 BBLS
TOTAL 20/40 SAND: 100,486 LBS
TOTAL N2: 917,000 SCF
AVERAGE RATE: 60.0 BPM
MAX RATE: 61.1 BPM
AVERAGE PRESSURE: 2,173 PSI
MAX PRESSURE: 2,260 PSI
MAX SAND CONC: 4.0 PPG DOWNHOLE.
ISIP: 315 PSI
5 MIN: 30 PSI

ISSUES WITH FLOW CALCS AT BEGINNING OF STAGE 1. CORRECTED AFTER ACID STAGE.

SET COMPOSITE BRIDGE PLUG (SELECT) AT 5,643'. PERFORATE MENELEE FROM 5,433' - 5,612' WITH 32 SHOTS, .35" EH, 1SPF WITH 2-3/4" DYNA GUNS.
5,433', 5,434', 5,435', 5,456', 5,457', 5,458', 5,465', 5,466', 5,467', 5,482', 5,483', 5,487', 5,488', 5,489', 5,519', 5,520', 5,521', 5,522', 5,530', 5,531', 5,532', 5,533', 5,558', 5,559', 5,560', 5,561', 5,582', 5,583', 5,584', 5,610', 5,611', 5,612'. POOH, ALL SHOTS FIRED.

MENELEE STIMULATION: (5,433' - 5,612')

FRAC AT 60 BPM W/ 70Q N2 FOAM.
TOTAL LOAD: 452 BBLS
SLICKWATER: 440 BBLS
TOTAL ACID: 12 BBLS
TOTAL 20/40 SAND: 50,683 LBS
TOTAL N2: 572,000 SCF
AVERAGE RATE: 60.3 BPM
MAX RATE: 62.0 BPM
AVERAGE PRESSURE: 2,790 PSI
MAX PRESSURE: 2,942 PSI
MAX SAND CONC: 3.5 PPG DOWNHOLE.
ISIP: 1,682 PSI
5 MIN: 814 PSI
10 MIN: 779 PSI

SET COMPOSITE BRIDGE PLUG (SELECT) AT 5,428'. PERFORATE CLIFFHOUSE ZONE FROM 5,178' - 5,419' WITH 33 SHOTS, 0.35" DIA 1SPF, 2-3/4" DYNA GUNS.
5,178', 5,179', 5,180', 5,188', 5,189', 5,190', 5,191', 5,195', 5,196', 5,279', 5,280', 5,281', 5,323', 5,324', 5,325', 5,336', 5,337', 5,338', 5,350', 5,351', 5,352', 5,353', 5,364', 5,365', 5,366', 5,380', 5,381', 5,406', 5,407', 5,408', 5,417', 5,418', 5,419'. POH, ALL SHOTS FIRED.

CLIFFHOUSE STIMULATION: (5,178' - 5,419')

FRAC AT 60 BPM W/ 70Q N2 FOAM.
TOTAL LOAD: 684 BBLS
SLICKWATER: 672 BBLS
TOTAL ACID: 12 BBLS
TOTAL 20/40 SAND: 100,410 LBS
TOTAL N2: 1,028,000 SCF
AVERAGE RATE: 58.5 BPM
MAX RATE: 61.0 BPM
AVERAGE PRESSURE: 2,408 PSI
MAX PRESSURE: 2,854' PSI
MAX SAND CONC: 4.0 PPG DOWNHOLE.
ISIP: 910 PSI
5 MIN: 511 PSI

RIH W/WIRELINE AND SET COMPOSITE BRIDGE PLUG AT 5,002'. BLEED OFF 4-1/2" CASING.

SHUT IN, SECURE WELL AND LOCATION.

RIG DOWN FRAC AND WIRELINE EQUIPMENT.

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

REPAIR REAR END ON RIG. FINISH MOVING RIG TO LOCATION(32 MILES). SPOT IN EQUIPMENT BEFORE RIG SHOWED UP TO LOCATION.

PJSM, SPOT IN AND RIG UP UNIT. CK PRESSURES. SITP- 0 PSI. SICP-0 PSI. SIBHP 0 PSI.

NIPPLE DOWN FRAC STACK, INSTALL TBG HANGER WITH BPV. NIPPLE UP BOP. RU RIG FLOOR. RU WELLCHECK AND PRESSURE TEST BLINDS AND PIPE RAMS(250 PSI 5 MIN AND 2500 PSI 10 MIN, GOOD TEST). REMOVE TBG HANGER. RD WELLCHECK.

R/U 2 - 3" FLOWLINES AND PREP TBG FOR P/U.

SHUT IN WELL. SECURE LOCATION. DEBRIEF CREW. SDFN.

CREW TRAVEL TO YARD.



Well Operations Summary L48

Well Name: SAN JUAN 30-5 UNIT #81

API: 3003922709

Field: DK

State: NEW MEXICO

Sundry #:

Rig/Service: RIGLESS 1

Report Number 8	Report Start Date 7/25/2024	Report End Date 7/25/2024
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Operation

CREW TRAVEL TO LOCATION.

PJSM, CK PRESSURES. SITP- N/A. SICP-0 PSI. SIBHP 0 PSI. NO BLOW DOWN.

M/U 3 7/8" JUNK MILL, P/U AND TALLY TBG(164 JNTS). TAG PLUG #1 @5002', R/U POWER SWIVEL.

BROUGHT ON AIR UNIT UNLOAD WELL AND EST CIRC WITH AIR/MIST 1350 CFM. 14 BBLS/ HR MIST RATE 2 GAL/HR FOAMER 1 GAL/HR INHIBITOR. **DRILL OUT PLUG #1 FROM 5002'** TO 5004'(1.25 HRS TO DRILL OUT PLUG, 750 PSI CIRCULATING PRESSURE, CASING PRESSURE 50 PSI- 100 PSI). MAKING LIGHT PLUG PARTS AND 3/4 BUCKET OF SAND PER 5 GAL SAMPLE. CIRCULATE TO A TRACE OF SAND(45 MIN TO CIRC CLEAN). P/U 14 JNTS WITH POWER SWIVEL AND TAG @5420'.

BROUGHT ON AIR UNIT EST CIRC WITH AIR/MIST 1350 CFM. 14 BBLS/ HR MIST RATE 2 GAL/HR FOAMER 1 GAL/HR INHIBITOR. CLEAN OT SAND AND PLUG PARTS TO 5428' AND TAG PLUG #2 @5429'. **DRILL OUT PLUG #2 FROM 5429'** TO 5431'(1.75 HRS TO DRILL OUT PLUG, 650 PSI CIRCULATING PRESSURE, CASING PRESSURE 25 PSI). MAKING LIGHT PLUG PARTS AND 1/2 BUCKET OF SAND PER 5 GAL SAMPLE. CIRCULATE CLEAN. P/U 4 JNTS WITH POWER SWIVEL AND TAG @5594'.

EST CIRC WITH AIR/MIST 1350 CFM. 14 BBLS/ HR MIST RATE 2 GAL/HR FOAMER 1 GAL/HR INHIBITOR. CLEAN OT SAND FROM 5594' TO 5643'. TAG PLUG #3 @5643'. **DRILLED ON PLUG #3 FROM 5643'** TO 5644' FOR 1.5 HRS. CIRCULATE CLEAN. L/D 3 JNTS WITH POWER SWIVEL. R/D POWER SWIVEL.

TOOH WITH 10 STANDS PUTTING EOT ABOVE PERFS @4991'.

SHUT IN WELL. SECURE LOCATION. DEBRIEF CREW. SDFN.

CREW TRAVEL TO YARD.

Report Number 9	Report Start Date 7/26/2024	Report End Date 7/26/2024
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Operation

CREW TRAVEL TO LOCATION.

PJSM, CK PRESSURES. SITP- 0 PSI. SICP- 840 PSI. SIBHP 0 PSI. 30 MIN BLOW DOWN.

TIH WITH TBG FROM DERRICK AND TAG @5639'(5' OF FILL OVERNIGHT). R/U POWER SWIVEL.

BROUGHT ON AIR UNIT AND EST CIRC WITH AIR/MIST 1350 CFM. 14 BBLS/ HR MIST RATE 2 GAL/HR FOAMER 1 GAL/HR INHIBITOR. CLEAN OUT SAND AND PLUG PARTS FROM 5639' TO 5644'. CONTINUE TO DRILL OUT PLUG #3 FROM 5644' TO 5645'(.75 HRS TO DRILL OUT PLUG, 2.5 HRS TOTAL). MAKING LIGHT PLUG PARTS AND 1/4 BUCKET OF SAND PER 5 GAL SAMPLE. CIRCULATE TO A TRACE OF SAND. P/U 11 JNTS WITH POWER SWIVEL AND TAG @6002'(102' OF FILL ON TOP OF PLUG #4).

EST CIRC WITH AIR/MIST 1350 CFM. 14 BBLS/ HR MIST RATE 2 GAL/HR FOAMER 1 GAL/HR INHIBITOR. CLEAN OT SAND FROM 6002' TO 6004'. TAG PLUG #4. **DRILL OUT PLUG #4 FROM 6104'** TO 6106'(1.25 HRS TO DRILL OUT). P/U 3 JNTS WITH POWER SWIVEL. R/D POWER SWIVEL.

CONTINUE TO P/U TBG OFF FLOAT AND TAG PLUG #5 @7780'. R/U POWER SWIVEL.

BROUGHT ON AIR UNIT AND EST CIRC WITH AIR/MIST 1350 CFM. 10 BBLS/ HR MIST RATE 2 GAL/HR FOAMER 1 GAL/HR INHIBITOR. DRILL ON PLUG #5 FROM 7780' TO 7781'(SHUT DOWN FOR 45 MIN DUE TO LIGHTNING). MAKING LIGHT PLUG PARTS AND 1/4 BUCKET OF SAND PER 5 GAL SAMPLE. L/D 4 JNTS WITH POWER SWIVEL. R/D POWER SWIVEL.

TOOH WITH 44 STANDS PUTING EOT ABOVE PERFS @4991'.

SHUT IN WELL. SECURE LOCATION. DEBRIEF CREW. SDFN.

CREW TRAVEL TO YARD.

Report Number 10	Report Start Date 7/27/2024	Report End Date 7/27/2024
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Operation

CREW TRAVEL TO LOCATION.

PJSM, CK PRESSURES. SITP- 0 PSI. SICP- 800 PSI. SIBHP 0 PSI. STAYED FLOWING AT 20 PSI.

TIH WITH TBG FROM DERRICK(44 STANDS), P/U 4 JNTS AND TAG PLUG #5 @7785'. R/U POWER SWIVEL.

BROUGHT ON AIR UNIT AND EST CIRC WITH AIR/MIST 1350 CFM. 14 BBLS/ HR MIST RATE 2 GAL/HR FOAMER 1 GAL/HR INHIBITOR. CONTINUE TO **DRILL PLUG #5 FROM 7785'** TO 7787' FELL TO 7887'. CLEAN OUT HARD FILL AND PLUG PARTS FROM 7887' TO 8008'(PBTD). MAKING LIGHT PLUG PARTS AND 1/4 BUCKET OF SAND PER 5 GAL SAMPLE. PUMPED SWEEPS AS NEEDED, CIRC CLEAN. L/D 4 JNTS WITH POWER SWIVEL. R/D POWER SWIVEL.

TOOH WITH JUNK MILL(129 STANDS). L/D JUNK MILL. PUMPED 60 BBL KILL WITH 15 STANDS LEFT IN WELL.

SHUT IN WELL. SECURE LOCATION. DEBRIEF CREW. SDFN.

CREW TRAVEL TO YARD.

Report Number 11	Report Start Date 7/28/2024	Report End Date 7/28/2024
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Operation

CREW TRAVEL TO LOCATION.

PJSM, CK PRESSURES. SITP- 0 PSI. SICP- 860 PSI. SIBHP 0 PSI. STAYED FLOWING AT 35 PSI.

R/U HYDROTESTERS. PUMP 40 BBL KILL.



Well Operations Summary L48

Well Name: SAN JUAN 30-5 UNIT #81

API: 3003922709	Field: DK	State: NEW MEXICO
	Sundry #:	Rig/Service: RIGLESS 1

Operation

MU PRODUCTION BHA. TIH DRIFTING TBG AND HYDROTESTING TO 5500 PSI TAGGED AT 8004'(4' OF FILL). DRIFT WAS NOT DRIFTING THROUGH SOME CONNECTIONS, CALLED HEC ENGINEER. DECIDED TO JUST RUN HYDROTEST TOOLS OF 1.90 O.D(FOUND 22 BAD JNTS). LAND TBG AS FOLLOWS:

(1) - 2 3/8" EXPENDABLE CHECK (0.75')
(1) - 2 3/8" X 1.78 F NIPPLE (1.10')
(1)- 2 3/8" 4.7# J-55 TBG (31.65')
(1) - 2 3/8" 4.7# PUP JOINT (2.20')
(254)- 2 3/8" 4.7# J-55 TBG (7766.34')
(4) - 2 3/8" 4.7# PUP JOINT (8', 6', 4', 2')
(1)- 2 3/8" 4.7# J-55 TBG (31.06')
(1) - 7-1/16" TUBING HANGER

EOT @ 7867.34'
SEAT NIPPLE @7865.49'
PBTD @8008'
FILL @8004'

R/D RIG FLOOR, NIPPLE DOWN BOP, NIPPLE UP WELLHEAD.

BROUGHT ON AIR UNIT, PUMPED 5 BBLS AHEAD W 5 GAL CORROSION INHIBITOR, DROPPED BALL , PRESSURE TEST TBG STRING TO 500 PSI. GOOD TEST. POPPED OFF CHECK @ 950 PSI. UNLOADED FLUID TO TANK(9 BBLS). CUT AND RD AIR UNIT.

R/D RIG AND PREP TO MOVE.

SHUT IN WELL. SECURE LOCATION. DEBRIEF CREW. SDFN.

CREW TRAVEL TO YARD.

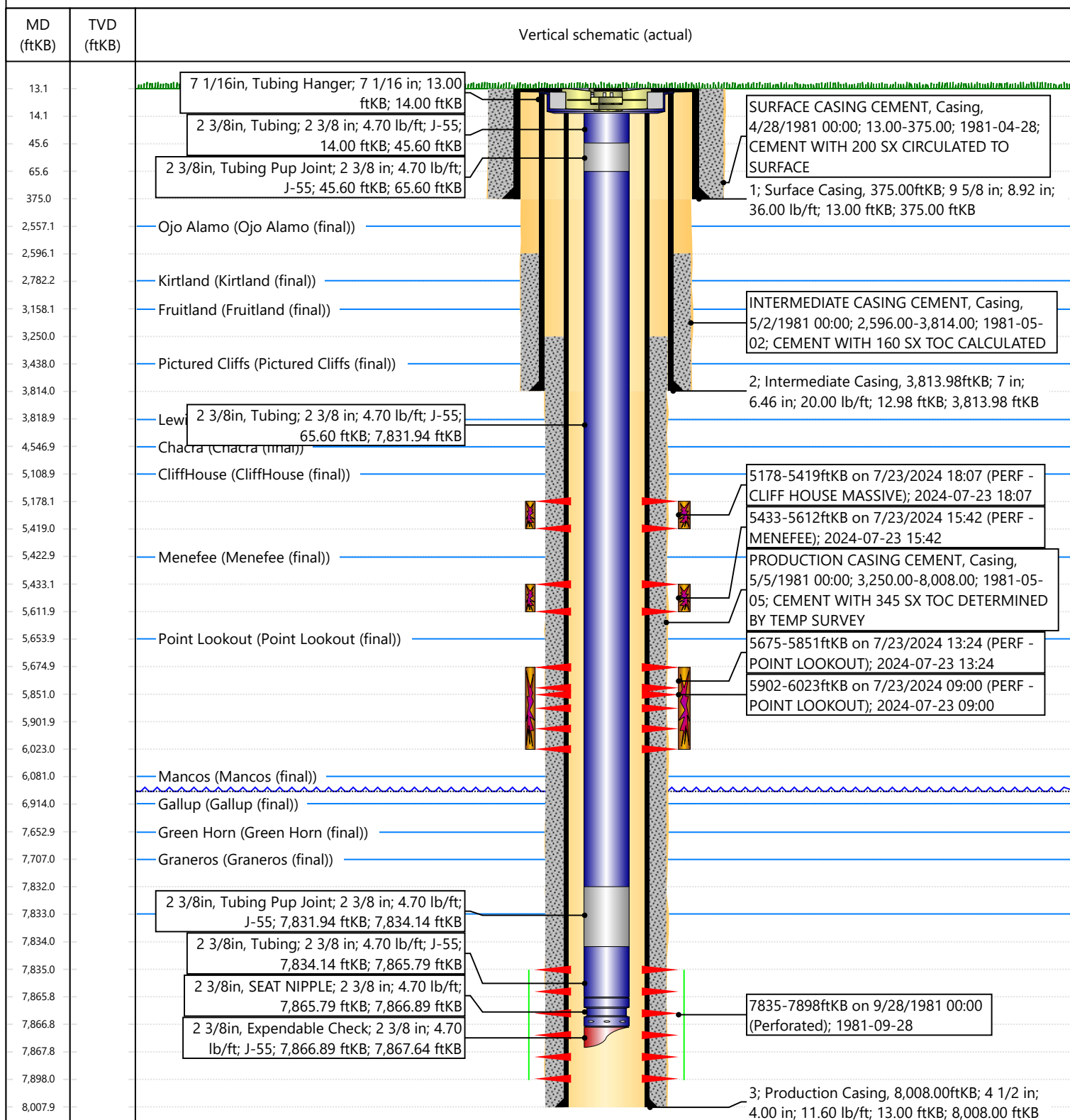


Current Schematic - Version 3

Well Name: SAN JUAN 30-5 UNIT #81

API / UWI 3003922709	Surface Legal Location 027-030N-005W-L	Field Name DK	Route 1204	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,539.00	Original KB/RT Elevation (ft) 6,552.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
Tubing Strings					
Run Date 7/28/2024 17:45	Set Depth (ftKB) 7,867.64	String Max Nominal OD (in) 2 3/8	String Min Nominal ID (in) 2.00	Weight/Length (lb/ft) 4.70	Original Spud Date 4/28/1981 00:00

Original Hole [VERTICAL]





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

MECHANICAL INTEGRITY TEST REPORT
(TA OR UIC)

Date of Test 8-26-2024 Operator HILcorp API # 30-039-22709
Property Name SI 30-5 UNIT Well # 81 Location: Unit L Sec 27 Twp 3 Rge 5
Land Type: State _____ Well Type: Water Injection _____
Federal X Salt Water Disposal _____
Private _____ Gas Injection _____
Indian _____ Producing Oil/Gas X
Pressure observation _____

Temporarily Abandoned Well (Y/N) _____ TA Expires: _____
Casing Pres. _____ Tbg. SI Pres. _____ Max. Inj. Pres. _____
Bradenhead Pres. _____ Tbg. Inj. Pres. _____
Tubing Pres. _____
Int. Casing Pres. _____

Pressured annulus up to _____ psi for _____ mins. Test passed/Failed _____

REMARKS 1000 PSI 565 PSI NO ANNUAL CHECK
TESTED FROM 7785 FT TO SURFACE
THE CASING WAS PRESSURED UP TO 565 PSI AND
STRESS WELD FALTS RATHER BAD

By Joe McElreath Witness JPM
(Operator Representative) (NMOCD)

(Position) Revised 02-11-02

Oil Conservation Division • 3000 Rio Rancho Road • Alamo, New Mexico 87410
Phone: (505) 334-6178 • Fax: (505) 334-6170 • <http://www.nmconservation.com>

NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

BRADENHEAD TEST REPORT
(submit 1 copy to above address)

Date of Test 8-26-2024 Operator HILcorp API # 30-039-22709
Property Name SI 30-5 UNIT Well No. 81 Location: Unit L Section 27 Township 3 Range 5
Well Status (Shut-In or Producing) Initial PSI: Tubing NA Intermediate 0 Casing 0 Bradenhead 0
OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE			FLOW CHARACTERISTICS		
	BrH	Int	Csg	Bradenhead	INTERMEDIATE	
5 min	0	0	0	0	0	Steady Flow
10 min	0	0	0	0	0	Surges
15 min	0	0	0	0	0	Down to Nothing
20 min						Nothing <u>X</u> <u>X</u>
25 min						Gas
30 min						Gas & Water
						Water

If bradenhead flowed water, check all of the descriptions that apply below:
CLEAR _____ FRESH _____ SALTY _____ SULFUR _____ BLACK _____

5 MINUTE SHUT-IN PRESSURE: BRADENHEAD 0 INTERMEDIATE 0

REMARKS: _____

By Joe McElreath Witness JPM
(Position) _____
E-mail address: _____

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

ACKNOWLEDGMENTS

Action 379415

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 379415
	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.

District I
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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 379415

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 379415
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	None	8/30/2024