

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

### Section 1 - Operator and Well Information

Submittal Type: <input type="checkbox"/> Test Allowable (C-104RT) <input type="checkbox"/> New Well (C-104NW) <input checked="" type="checkbox"/> Recomplete (C-104RC) <input type="checkbox"/> Pay Add (C-104RC) <input type="checkbox"/> Amended	
Operator Name: Hilcorp Energy Company	OGRID: 372171
Property Name and Well Number: SAN JUAN 29-7 UNIT 109	Property Code: 318713
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal	API Number: 30-039-21330
Pool Name: BASIN MANCOS	Pool Code: 97232

### Section 2 – Surface Location

UL	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
A	30	29N	07W		1190'N	790'E	36.7009735	-107.6059723	Rio Arriba

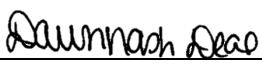
### Section 3 – Completion Information

Producing Method Flowing	Ready Date 12/04/2024	Perforations MD 6340'-6864'	Perforations TVD 6340'-6864'
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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): 396582	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. Pending DHC approval
Production Casing Action ID: Previous to system	Surface Commingling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
All casing was pressure tested in accordance with NMAC <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Non-standard Location: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Common ownership Order No.
Liner 1 Action ID: Previous to system	Non-standard Proration: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): Yes	Simultaneous Dedication: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.

### Section 5 - Operator Signature and Certification

<input checked="" type="checkbox"/> I hereby certify that the required Water Use Report has been, or will be, submitted for this well's completion.	
<input checked="" type="checkbox"/> I hereby certify that the required Fracfocus disclosure has been, or will be, submitted for this well's completion.	
<input checked="" type="checkbox"/> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.	
Name: Dawn Nash-Deal	
	
Title: Operations Regulatory Tech *Note: Extension granted on 11/18/2024 via email, new C-104 RC due 12/29/2024 (S.McGrath)	Date: 12/17/2024

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

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

5. Lease Serial No. **NMSF078503**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

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

8. Lease Name and Well No. **SAN JUAN 29-7 UNIT 109**

3. Address **382 Road 3100, Aztec, NM 87410** 3a. Phone No. (include area code) **(505) 599-3400**

9. API Well No. **30-039-21330**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface **A(NE/NE) 1190' FNL & 790' FEL**

10. Field and Pool or Exploratory **BASIN MANCOS**

11. Sec., T., R., M., on Block and Survey or Area **SEC. 30., 29N, 07W**

12. County or Parish **Rio Arriba** 13. State **New Mexico**

At top prod. Interval reported below

At total depth

14. Date Spudded **8/15/1977** 15. Date T.D. Reached **8/27/1977** 16. Date Completed **12/4/2024**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\* **6407'**

18. Total Depth: **7654'** 19. Plug Back T.D.: **7647'**

20. Depth Bridge Plug Set: MD **TVD**

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

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

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

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cement Depth	No. of Sks. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
9 5/8"	13 1/2", H-40	32.3		232'		224 CU FT			
7"	8 3/4", K-55	20		3447'		264 CU FT			
4 1/2"	6 1/4", K-55	10.5		7654'		651 CU FT			

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"	5391'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MANCOS UPPER	6340'	6611'	1 SPF	0.35"	32	OPEN
B) MANCOS LOWER	6620'	6864'	1 SPF	0.33"	30	OPEN
C)						
D)						

26. Perforation Record

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

Depth Interval	Amount and Type of Material
MANCOS UPPER 6340'-6611'	FOAM FRAC'D WITH 61,109 LBS 20/40 ARIZONA AND 51,324 GAL SLICKWATER AND 1.80 MILLION SCF N2. 60 QUALITY.
MANCOS LOWER 6620'-6864'	FOAM FRAC'D WITH 73,314 LBS 20/40 ARIZONA AND 58,926 GAL SLICKWATER AND 2.03 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
12/4/2024	12/4/2024	4	➔	0	454	0			Flowing

Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
36/64"	90 PSI	90 PSI	➔	0	2724	0		Producing

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			➔						

Choke Size	Tbg. Press. Flwg.	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):

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	2130'	2315'	White, cr-gr ss	Ojo Alamo	2130'
Kirtland	2315'	2705'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2315'
Fruitland	2705'	3111'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2705'
Pictured Cliffs	3111'	3203'	Bn-Gry, fine gm, tight ss.	Pictured Cliffs	3111'
Lewis	3203'	4076'	Shale w/ siltstone stingers	Lewis	3203'
Chacra	4076'	4733'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	4076'
Cliffhouse	4733'	4882'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	4733'
Menefee	4882'	5294'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4882'
Point Lookout	5294'	5957'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	5294'
Mancos	5957'	6488'	Dark gry carb sh.	Mancos	5957'
Gallup	6488'	7281'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	6488'
Greenhorn	7281'	7340'	Highly calc gry sh w/ thin lmst.	Greenhorn	7281'
Graneros	7340'	7467'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7340'
Dakota	7467'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7467'
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss	Morrison	

32. Additional remarks (include plugging procedure):

**THIS WELL IS CURRENTLY PRODUCING AS A MV STANDALONE PENDING DHC APPROVAL. AGREEMENT # NMNM-078417X**

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

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

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

Name (please print) Dawn Nash-Deal Title Operations/Regulatory Technician  
 Signature *Dawn Nash Deal* Date 12/16/2024

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Subject: EXTERNAL: 12/20/2024 7:25:19 AM SAN JUAN 29-7 UNIT, Well Number: 109, Notification of Well Completion Acceptance *Page 4 of 14*

Sent: 12/20/2024, 7:25:19 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 UNIT**
- Well Number: **109**
- US Well Number: **3003921330**
- Well Completion Report Id: **WCR2024122094041**

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



## Well Operations Summary L48

**Well Name: SAN JUAN 29-7 UNIT #109**

**API: 3003921330**

**Field: BASIN DAKOTA (PRORATED G #0068**

**State: NEW MEXICO**

**Permit to Drill (PTD) #:**

**Sundry #:**

**Rig/Service: RIGLESS 1**

**Jobs**

**Actual Start Date:** 8/29/2024 **End Date:**

Report Number 1	Report Start Date 8/29/2024	Report End Date 8/29/2024
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Operation

**RIG CREW TRAVEL TO THE CANYON 8E**

PJSM LOAD EQUIP. ROAD RIG & MOVE EQUIP. FROM. THE CANYON 8E TO THE SAN JUAN 29-7 UNIT #109 (76 MILE MOVE).  
(RIG SHEARED BOLTS ON DRIVELINE COMING UP LOPEZ HILL )  
UNABLE TO RIG UP ON THE SAN JUAN 29-7 UNIT #109, LOCATION AND ROAD GOING INTO LOCATION NEEDS ATTENTION (DIRT WORK) STACK OUT RIG AND EQUIPMENT ON THE SAN JUAN 29-7 UNIT #99  
SDFD, WILL MOVE IN THE MORNING TO THE SAN JUAN 29-7 UNIT #128.

**RIG CREW TRAVEL TO YARD**

Report Number 2	Report Start Date 9/6/2024	Report End Date 9/6/2024
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Operation

LOAD UP EQUIPMENT AT LINDRITH B U-44, MOVED WSU AND EQUIP, (92 MI MOVE), SPOT IN EQUIPMENT AND WSU, SDFW.

**DROVE BACK HOME.**

Report Number 3	Report Start Date 9/9/2024	Report End Date 9/9/2024
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Operation

**DROVE TO LOCATION.**

HELD PJSM, START AND WARM UP EQUIP.

SICP 80 PSI.

SITP 215 PSI.

**RIG UP WSU**

ND WH, NU BOP, RU RIG FLOOR.

PULL OUT TBG HANGER, RU PREMIER SCANNER, TOH SCANNING W/239 JTS, SN, 1 JT, NC. SCAN RESULTS= 19 JTS YB - 62 JTS BB - 88 JTS GB - 70 JTS RB.

TIH W/MILL AND STRING MILL 3 7/8" AND 19 JTS.

SHUT IN AND SECURED WELL.

DROVE BACK TO TOWN.

Report Number 4	Report Start Date 9/10/2024	Report End Date 9/10/2024
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Operation

**DROVE TO LOCATION.**

HELD PJSM, START AND WARM UP EQUIP.

SICP 165 PSI.

SITP 165 PSI.

SIBH 0 PSI.

SIBH 0 PSI.

BDT 2 MIN.

SWAP TBG TRAILERS. REMOVE TREAD PROTECTORS AND TALLY TBG, PICK UP 216 JTS, TOTAL 235 JTS DOWN TO 7388' WITH STRING MILL.

LD 1 JT, TOH W/117 JTS AND STRING MILL. TIH W/4 1/2" CMR AND 117 STS +1 JT, **SET CBP AT 7365'**

LOAD CSG W/105 BBL, PRESSURE TEST TO 560 PSI FOR 10 MIN- HELD GOOD.

TOH W/80 STS TO 2330'.

SHUT IN AND SECURED WELL.

TRAVEL BACK TO TOWN.

Report Number 5	Report Start Date 9/11/2024	Report End Date 9/11/2024
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Operation

**TRAVEL TIME TO LOCATION.**

HELD PJSM, START AND WARM UP WSU.

SICP 0 PSI.

SIBH 0 PSI.

SIINT 0 PSI.

TOH W/37 STS AND SETTING TOOL.

RD RIG FLOOR, ND BOP.

MIRU WIRELINE GROUP AND RUN A CBL FROM TOP OF **CIBP AT 7365'** TO SURFACE. TOC@3200'

INSTALL B1 ADAPTER, MIRU WELLCHECK AND DO CSG MIT TO 560 PSI, WITNESS AND APPROVED BY JOHN DURHAM (NMOCD)

PRESSURE TEST CSG TO 2200 PSI FOR 10 MIN- HELD GOOD, CHANGE OUT 3K WELLHEAD FOR 5K WH, BY DYNAMIC, ADD 3" OF CSG BY HIGH DESERT WELDER, PRESS TEST VOID TO 2600 PSI- HELD GOOD.

NU BOP, RU RIG FLOOR, SISW, SDFN.

DROVE BACK TO TOWN.

Report Number 6	Report Start Date 9/12/2024	Report End Date 9/12/2024
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## Well Operations Summary L48

**Well Name: SAN JUAN 29-7 UNIT #109**

**API: 3003921330**

**Field: BASIN DAKOTA (PRORATED G #0068**

**State: NEW MEXICO**

**Sundry #:**

**Rig/Service: RIGLESS 1**

Operation

DROVE BACK TO TOWN.

HELD PJSM, START AND WARM UP EQUIP.

CSG 0 PSI.

BH 0 PSI.

INT 0 PSI.

TIH W/PKR AND 54 STS, SET PKR AND LAND TBG AT 3412', LOAD UP UNTERMEDIATE W/4 BBL OF PKR FLUID AND PRESS UP TO 500 PSI, PRESS TEST CSG FROM SURFACE TO 3410' AT 4K FOR 30 MIN BY WELLCHECK, HELD GOOD.

TOH W/PKR LD 108 JTS, TIH W/63 STS AND TOH LAYING DOWN TBG.

RD RIG FLOOR, ND BOP, NU 5K FRAC STACK BY DYNAMIC AND PRESS TEST BY WELLCHECK. PULL OUT TWC, SISW.

RD WSU, RELEASE WSU TO SJ 29-7 U-141.

DROVE BACK TO TOWM.

Report Number 7	Report Start Date 11/9/2024	Report End Date 11/9/2024
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Operation

MOBILIZE REMAINING GORE FRAC EQUIPMENT TO THE WELLSITE. LEASE ROADS MUDDY & SLICK.

NITROGEN TRANSPORTS WILL BE MOVED IN ON MONDAY (11-11-24) FOR THE FRAC OPERATIONS.

Report Number 8	Report Start Date 11/11/2024	Report End Date 11/11/2024
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Operation

RIG UP BASIN WIRELINE. RIH AND **PERFORATE STAGE #1 LOWER MANCOS (6,620-6,864') W/30 SHOTS, 0.33" DIA, 3-1/8" HSC GUN, SELECT FIRE 1 SPF, 0 DEGREE PHASING AT THE FOLLOWING DEPTHS: 6620, 6634, 6644, 6660, 6670, 6677, 6682, 6688, 6700, 6704, 6710, 6715, 6719, 6729, 6749, 6758, 6767, 6773, 6778, 6787, 6795, 6804, 6809, 6820, 6825, 6833, 6838, 6850, 6854, 6864. ALL SHOTS FIRED., POOH.**

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

**FRAC STAGE 1 LOWER MANCOS (6,620' - 6,864'):** BROKE DOWN WELL WITH WATER AND 500 GAL 15% HCL. **FOAM FRAC'D WITH 73,314 LBS 20/40 ARIZONA AND 58,926 GAL SLICKWATER AND 2.03 MILLION SCF N2. 60 QUALITY.** AVG RATE = 39 BPM, AVG PSI = 3,340. ISIP WAS 1,411 PSI. (1,312 PSI IN 5 MINUTES). 73% OF DESIGNED SAND PUMPED. PRESSURE STARTED TO INCREASE, DECREASED RATE AND INCREASED FR. PRESSURE CONTINUED TO INCREASED, CUT SAND AND FLUSHED WELL.

RIG UP WIRELINE. RIH AND SET BRIDGE PLUG AT 6,616' AND **PERFORATE STAGE #2 UPPER MANCOS (6,340-6,611') W/32 SHOTS, 0.33" DIA, 3-1/8" HSC GUN, SELECT FIRE 1 SPF, 0 DEGREE PHASING AT THE FOLLOWING DEPTHS: 6340, 6348, 6356, 6364, 6370, 6375, 6402, 6414, 6424, 6445, 6454, 6462, 6472, 6490, 6498, 6505, 6511, 6538, 6543, 6548, 6552, 6556, 6562, 6567, 6574, 6579, 6586, 6592, 6596, 6600, 6605, 6611. ALL SHOTS FIRED. POOH.**

WAIT ON NITROGEN TRANSPORTS.

**FRAC STAGE 2 UPPER MANCOS (6,340' - 6,611'):** BROKE DOWN WELL WITH WATER AND 500 GAL 15% HCL. **FOAM FRAC'D WITH 61,109 LBS 20/40 ARIZONA AND 51,324 GAL SLICKWATER AND 1.80 MILLION SCF N2. 60 QUALITY.** AVG RATE = 39 BPM, AVG PSI = 3,163 PSI. ISIP WAS 1,809 PSI. (1,436 PSI IN 5 MINUTES). 61% OF DESIGNED SAND AWAY. PRESSURE STARTED TO INCREASE IN 1.0#. DROPPED RATE AND INCREASED FR WITH NO RELIEF. CUT SAND EARLY DUE TO INCREASING PRESSURE.

SIW, SECURE LOCATION, SDFN.

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

RIG UP WIRELINE. RIH AND SET BRIDGE PLUG AT 5,450' AND **PERFORATE STAGE #3 LOWER MESAVERDE (5,050'-5,440') W/25 SHOTS, 0.33" DIA, 3-1/8" HSC GUN, SELECT FIRE 1 SPF, 0 DEGREE PHASING AT THE FOLLOWING DEPTHS: 5050, 5066, 5080, 5122, 5142, 5155, 5204, 5210, 5225, 5249, 5258, 5266, 5282, 5320, 5326, 5332, 5362, 5366, 5377, 5386, 5400, 5410, 5422, 5432, 5440. ALL SHOTS FIRED.**

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

**FRAC STAGE 3 LOWER MESAVERDE (5,505 - 5,440):** BROKE DOWN WELL WITH WATER AND 500 GAL 15% HCL. **FOAM FRAC'D WITH 140,136 LBS 20/40 ARIZONA AND 48,552 GAL SLICKWATER AND 1.61 MILLION SCF N2. 70 QUALITY.** AVG RATE = 60 BPM, AVG PSI = 2,148. ISIP WAS 93 PSI. 112% OF DESIGNED SAND AMOUNT PUMPED.

RIG UP WIRELINE. ATTEMPT TO RIH AND SET BRIDGE PLUG. COULD NOT GET THRU WELLHEAD WITH TOOL STRING. TRIED SEVERAL TIMES AND CONTINUED TAGGING.

MIRU DYNAMIC WELLHEAD HANDS TO GREASE AND WORK ON MASTER VALVE.

ATTEMPT TO RIH WITH PLUG. STILL TAGGING IN WELLHEAD. DETERMINED THAT TOOL STRING IS TAGGING ON FALSE HANGER. TOOK OFF PLUG AND ATTEMPTED TO RIH WITH GUNS ONLY. STILL TAGGING. B/D GUN STRING AND M/U 2-1/2" WEIGHT BAR AND CCL. DROPPED THRU HANGER WITH NO PROBLEMS. POOH AND HANG BACK LUBRCATOR.

SIW, SECURE LOCATION, SDFN.

Report Number 10	Report Start Date 11/13/2024	Report End Date 11/13/2024
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Operation

RIG UP WIRELINE. RIH AND **PERFORATE STAGE #4 UPPER MESAVERDE (4,736'-5,022') W/23 SHOTS, 0.33" DIA, 2-1/2" HSC GUN, SELECT FIRE 1 SPF, 0 DEGREE PHASING AT THE FOLLOWING DEPTHS: 4736, 4741, 4746, 4768, 4774, 4822, 4829, 4834, 4842, 4848, 4853, 4871, 48876, 4880, 4920, 4932, 4944, 4962, 4971, 4977, 5000, 5014, 5022. ALL SHOTS FIRED.**

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

**FRAC STAGE 4 UPPER MESAVERDE (4,736'-5,022'):** BROKE DOWN WELL WITH WATER AND 500 GAL 15% HCL. **FOAM FRAC'D WITH 145,287 LBS 20/40 ARIZONA AND 49,182 GAL SLICKWATER AND 1.58 MILLION SCF N2. 70 QUALITY.** AVG RATE = 60 BPM, AVG PSI =1,782 PSI. ISIP WAS 425 PSI. 239 PSI IN 5 MINUES, 169 PSI IN 10 MINUTES. 116% OF DESIGNED SAND AMOUNT PUMPED.

SHUT IN WELL AND RIG DOWN CREWS. TOTAL FRAC LOAD = 5,000 BBLS (INCLUDING 48 BBLS OF ACID). TOTAL SAND = 419,846 LBS. TOTAL N2 = 7.00 MILLION SCF.



## Well Operations Summary L48

**Well Name: SAN JUAN 29-7 UNIT #109**

**API: 3003921330**

**Field: BASIN DAKOTA (PRORATED G #0068**

**State: NEW MEXICO**

**Permit to Drill (PTD) #:**

**Sundry #:**

**Rig/Service: RIO 22**

**Jobs**

**Actual Start Date:** 8/29/2024

**End Date:**

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

Operation

MOVE RIO 22 TO LOCATION. TOOK WH PRESSURES. CASING 400 PSI. TUBING N/A. BH 0 PSI. INT 10 PSI.

PRE JOB SAFETY MEETING.

RIG UP RIG AND SUPPORT EQUIPMENT. RIG UP BLOW DOWN IRON.

BLOW WELL DOWN TO OPEN TOP 400 BBL TANK. INITIAL PRESSURE WAS 400 PSI. BLEW WELL DOWN TO 200 PSI AFTER 30 MINUTES. SHUT THE WELL IN. LUBRICATE TWC IN HANGER. VERIFY WE HAD NO PRESSURE ABOVE TWC. ND FRAC STACK. CLEAN GREASE AND SAND FROM THE TOP OF THE HANGER. NU BOP. WELLCHECK TEST BOP PIPE AND BLIND RAMS TO 300 PSI LOW AND 2500 PSI HIGH. GOOD TEST. PUMP A 50 BBL KILL DOWN THE TUBING. PULL HANGER AND TWC.

TALLY. PICK UP AND TRIP IN THE HOLE WITH 3 7/8" STRING MILL AND BIT TO 3806' WITH 121 JOINTS OF TUBING.

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

TRAVEL TO YARD.

Report Number	Report Start Date	Report End Date
12	11/27/2024	11/27/2024

Operation

CREW TRAVEL TO LOCATION.

PJSM. CHECK WELL FOR PRESSURE. START RIG AND EQUIP. BDW.

SITP 0  
SICP 400  
SIICP 0  
SIBH 0  
BDW: 30 MIN

FINISH RIH W / 2-3/8 TBG TO 5324' TAGGED SAND, P/U TBG SWIVEL.

BREAK CIRC W / AIR AND MIST, CLEAN OUT WELL BORE TO CBP AT 5522' CIR WELL. MAKING HEAVY SAND.

CUT MIST DRY. KILL TBG W / 5 BBL. POH ABOVE PERFS

SECURE WELL. DRAIN ALL EQUIP FOR THE HOLIDAY SHUT DOWN.

CREW TRAVEL HOME

Report Number	Report Start Date	Report End Date
13	12/2/2024	12/2/2024

Operation

TRAVEL TO LOCATION.

SAFETY MEETING. SICP 350 PSI. SITP 50 PSI. SIBHP 0 PSI. SIINTP 0 PSI. BLOW WELL DOWN IN 20 MINUTES.

TRIP IN THE HOLE FROM ABOVE TOP PERF AT 4736' TO TAG UP DEPTH OF 5459'. THIS IS 63' ABOVE FINAL CLEAN OUT DEPTH LAST WEEK OF 5522'.

BRING ON AIR UNIT. ESTABLISH 12 BBL PER HOUR AIR FOAM MIST WITH 1300 CFM. CLEAN OUT 63' OF FRAC SAND FROM 5459' TO CBP AT 5522'. SAND WAS 4-5 CUPS OF SAND DURING INITIAL CLEAN OUT AND DOWN TO A TRACE AFTER CIRCULATING ON BOTTOM PUMPING MULTIPLE SWEEPS. CALLED ENGINEER MATTHEW ESZ WITH CLEAN OUT RESULTS. SHUT AIR UNIT DOWN.

TRIP OUT OF THE HOLE WITH THE 3 7/8" STRING MILL AND BIT FROM 5522'. PUMPED A 20 BBL KILL TO GET THE MILL AND BIT OUT OF THE HOLE.

TRIP AND DRIFT IN THE HOLE WITH THE 2 3/8" PUMP OUT PLUG FROM SELECT. 1.780 ID SEATING NIPPLE. ONE JOINT OF 2 3/8" TUBING. 2' X 2 3/8" MARKER JOINT. 170 JOINTS OF 2 3/8" TUBING AND 7 1/16" TUBING HANGER. TUBING IS LANDED AT A DEPTH OF 5391'. SEATING NIPPLE AT A DEPTH OF 5390'. PERFS FROM 4736' TO 5440'.

ND BOP. NU WH. PUMP A 3 BBL WATER PAD DOWN THE TUBING. BRING ON AIR UNIT. PRESSURE TEST TUBING TO 500 PSI. TEST GOOD. PUMP OFF PUMP OUT PLUG AT 1100 PSI. UNLOADED WELL. SHUT THE AIR UNIT DOWN. SHUT THE WELL IN.

RIG DOWN RIG AND SUPPORT EQUIPMENT. RIG OPS COMPLETE. SECURE LOCATION.

TRAVEL TO YARD.





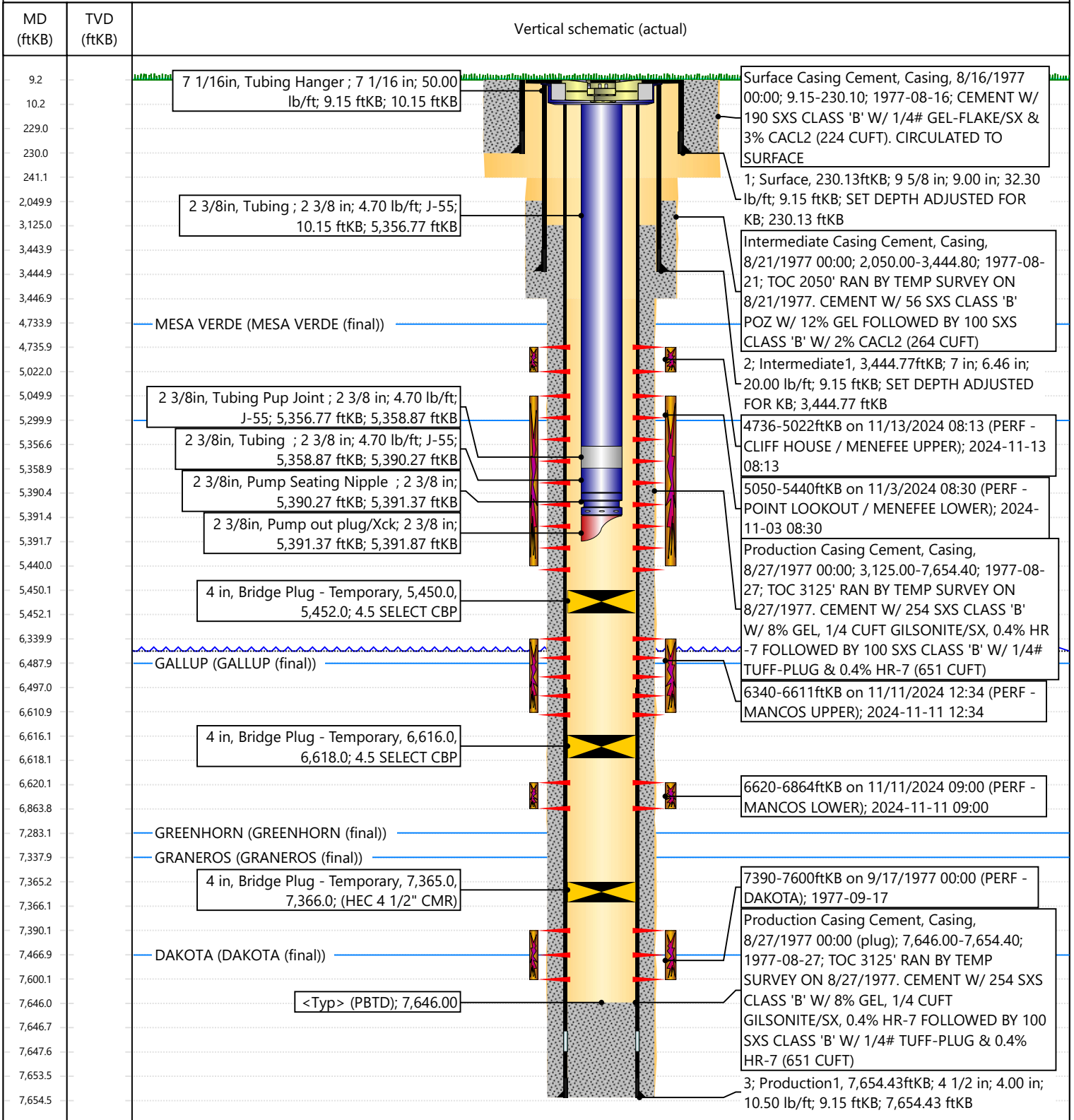
### Current Schematic - Version 3

Well Name: **SAN JUAN 29-7 UNIT #109**

API / UWI 3003921330	Surface Legal Location 030-029N-007W-A	Field Name BASIN DAKOTA (PRORATED G #0068)	Route 1004	State/Province NEW MEXICO	Well Configuration Type VERTICAL
Ground Elevation (ft) 6,407.00	Original KB/RT Elevation (ft) 6,416.15	Tubing Hanger Elevation (ft)	RKB to GL (ft) 9.15	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

Tubing Strings					
Run Date 12/2/2024 15:00	Set Depth (ftKB) 5,391.87	String Max Nominal OD (in) 2 3/8	String Min Nominal ID (in) 2.00	Weight/Length (lb/ft) 4.70	Original Spud Date 8/15/1977 00:00

### Original Hole [VERTICAL]







# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

## MECHANICAL INTEGRITY TEST REPORT (TA OR UIC)

Date of Test 11 SEP 2024 Operator HIL CORP API # 30-0 39-21326

Property Name SAN JUAN 29-7 Well # 109 Location: Unit \_\_\_ Sec 30 Twn 29 Rge 7

Land Type:

State \_\_\_  
Federal   
Private \_\_\_  
Indian \_\_\_

Well Type:

Water Injection \_\_\_  
Salt Water Disposal \_\_\_  
Gas Injection \_\_\_  
Producing Oil/Gas   
Pressure observation \_\_\_

Temporarily Abandoned Well (Y/N): \_\_\_ TA Expires: \_\_\_

Casing Pres. \_\_\_ Tbg. SI Pres. \_\_\_ Max. Inj. Pres. \_\_\_  
Bradenhead Pres. \_\_\_ Tbg. Inj. Pres. \_\_\_  
Tubing Pres. N/A  
Int. Casing Pres. \_\_\_

Pressured annulus up to 575 psi. for 30 mins. Test passed/failed

REMARKS: TESTED FROM 7365 TO SURFACE,  
1000 PSI (SPRING), 60 MINUTE CLOCK THE CASING  
WAS PRESSURED UP TO 620 PSI AND PRESSURE FLUCTUATED  
FOR 15 MINUTES. THE PRESSURE WAS BLED DOWN TO  
575 PSI, THE TEST WAS RESTARTED, AND PRESSURE HELD  
FOR THE LAST 30 MINUTES

By [Signature] Witness [Signature]  
(Operator Representative) (NMOCD)

(Position)

Revised 02-11-02



NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE
1000 RIO BRAZOS ROAD
AZTEC NM 87410
(505) 334-6178 FAX: (505) 334-6170
http://emnrd.state.nm.us/ocd/District III/3distric.htm

BRADENHEAD TEST REPORT

(submit 1 copy to above address)

Date of Test 11-SEP-2024 Operator HIL CORP API #30-0 39-21330

Property Name SJ 29-7 Well No. 109 Location: Unit Section 30 Township 29 Range 7

Well Status(Shut-In or Producing) Initial PSI: Tubing N/A Intermediate 0 Casing 0 Bradenhead 0

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Table with columns: Testing, PRESSURE (Bradenhead Int, Csg, INTERM Int, Csg), TIME (5 min, 10 min, 15 min, 20 min, 25 min, 30 min). All pressure readings are 0.

Table with columns: FLOW CHARACTERISTICS (BRADENHEAD, INTERMEDIATE). Rows include Steady Flow, Surges, Down to Nothing, Nothing (checked), Gas, 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 INTERMEDIATE

REMARKS:

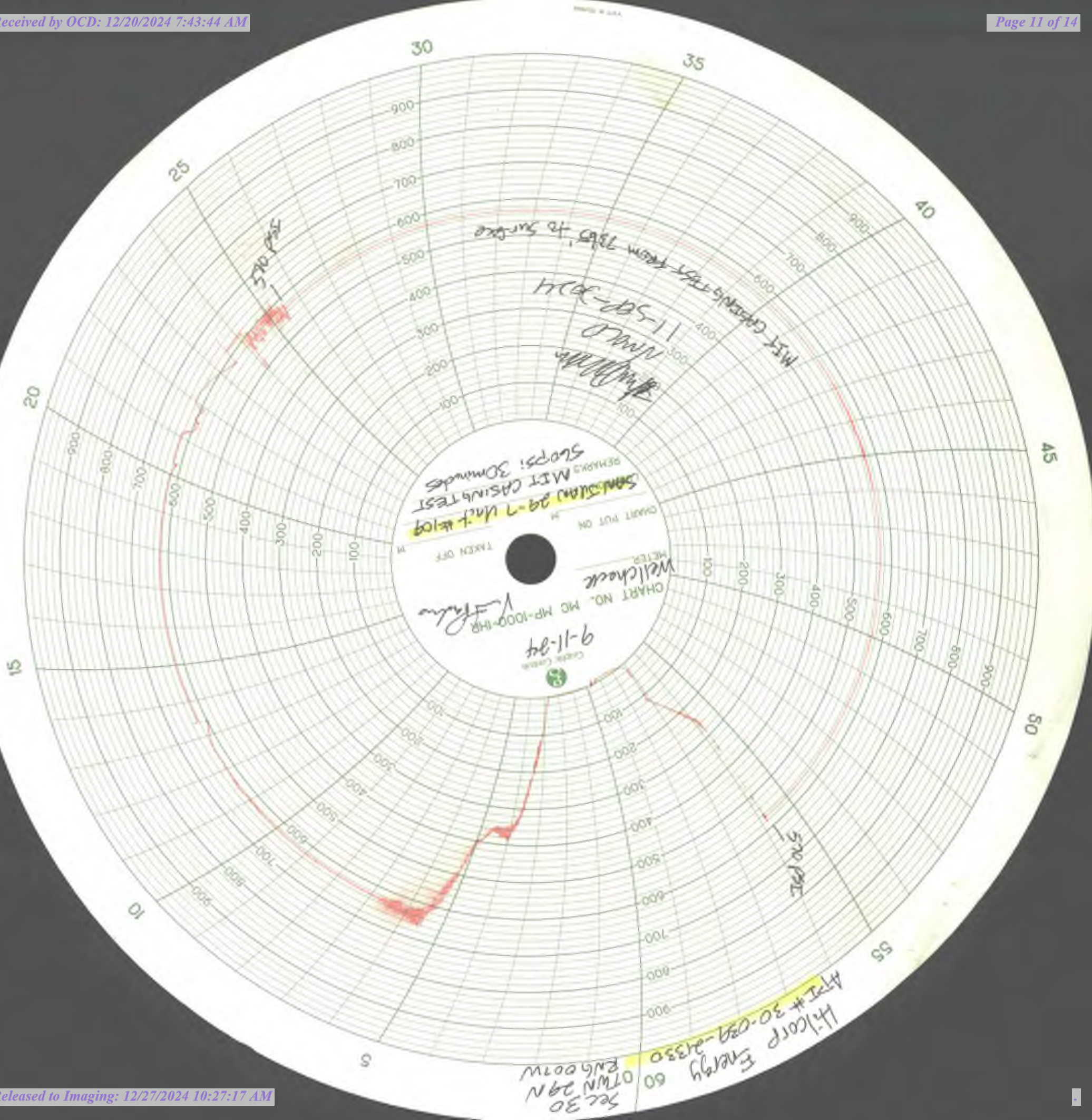
By [Signature]

Witness [Signature]

(Position)

E-mail address





Subject: EXTERNAL 12/20/2024 7:30 AM SAN JUAN 29-7 UNIT, Well Number: 109, Notification of Sundry Accepted

Sent: 12/20/2024, 7:30:15 AM  
From: AFMSS<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 Subsequent Report Approval

- Operator Name: **HILCORP ENERGY COMPANY**
- Well Name: **SAN JUAN 29-7 UNIT**
- Well Number: **109**
- US Well Number: **3003921330**
- Sundry ID: **2827869**

The BLM received your Subsequent Report, Recompletion on 12/17/2024. This is to notify you that we are Accepting your Subsequent Report Recompletion. Please login to your account in AFMSS II to see the final documents.

You may contact the field office if you have any questions.

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

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 414184

**ACKNOWLEDGMENTS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 414184
	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**  
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**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 414184

**CONDITIONS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 414184
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

**CONDITIONS**

Created By	Condition	Condition Date
smcgrath	None	12/27/2024