



Well Operations Summary L48

Well Name: SAN JUAN 27-5 UNIT NP #330 ST1

API: 3003925522

Field: BSN (FTLD COAL)

#3046

State: NEW MEXICO

Permit to Drill (PTD) #:

Sundry #:

Rig/Service: HEC 101

Jobs

Actual Start Date: 9/16/2024

End Date:

Report Number

1

Report Start Date

9/16/2024

Report End Date

9/16/2024

Operation

TRAVEL TO SAN JUAN 29-7 UNIT NP #512 ST1.

LOAD EQUIP. RIG MOVE SAFETY MEETING. MOB RIG & EQUIP TO SAN JUAN 27-5 NP #330 (29 MILE MOVE). 4 RIG UP TRUCKS.

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

PJSM. SICP- 0 PSI, SITP- 0 PSI, SIBHP- 0 PSI. SIICP- 300 PSI. BDW IN 0 MIN.

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

M/U 3 7/8" STRING MILL/JUNK MILL, TALLY AND TIH W/TBG TO 5206'. TAG PU POWER SWVL, RU PUMP, BEGIN TO CIRCULATE W/WATER, BEGIN TO DRILL OUT CMNT,WIPER PLUG. CIRCULATE CLEAN

SIW, SECURE LOCATION, SDFN.

CREW TRAVEL TO YARD.

Report Number

2

Report Start Date

9/17/2024

Report End Date

9/17/2024

Operation

CREW TRAVEL TO LOCATION

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

PU POWER SWVL, RU PUMP, BEGIN TO CIRCULATE W/WATER, CONTINUE TO DRILL OUT WIPER PLUG. CIRCULATE CLEAN, PU 3 JOINTS, RACK BACK POWER SWVL, TALLY, PU TBG TO 5282' TAG BREAK CIRCULATION CIRCULATE CLEAN. PRESSURE TEST CSG (700PSI), DROPPED 200PSI IN 5 MINUTES, BLEED OFF PRESSURE ATTEMPT TO PRESSURE TEST FAIL AGAIN, NOTIFIED HILCORP ENGINEER, TOO H LD/ STRING MILL.

PUMU 4.5 (AS1-X) SELECT PACKER, TIH SET AT 5188', TEST DOWN TUBING DV TOOL DOWN TO 6000' (1000PSI), GOOD TEST, RU BACK SIDE TEST (900PSI), GOOD TEST, RELEASE, TOO H, SET @ 5125' TEST DOWN TUBING (1000PSI) GOOD TEST, TEST DOWN BACK SIDE (900PSI) GOOD TEST, RELEASE PACKER, TOO H, LD PACKER, LOAD WELLBORE, DUE MOCK (700PSI) TEST (GOOD),

SHUTDOWN, SECURE WELL, DEBRIEF CREW

CREW TRAVEL TO YARD

Report Number

3

Report Start Date

9/18/2024

Report End Date

9/18/2024

Operation

CREW TRAVEL TO LOCATION

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

RU WIRELINE **RUN CBL**, WIRELINE TAG @ 5240', NOTIFIED HILCORP ENGINEER, TOO H WIRELINE, RIGDOWN WIRELINE, DUE MOCK (600PSI) TEST (GOOD)RUN MIT, RU WELLCHECK, RUN **MIT TEST ON 4.5" PROD CSG (560 PSI X 30 MIN) WITNESSED BY EILEEN MEDRANO, NMOC**, RD WELL CHECK,PUMU 3 7/8 STRING MILL, JUNK MILL, TIH, TAG TIGHT SPOT @ 5240 WORK THROUGH TIGHT SPOT, PU TO 5999', NOTIFIED HILCORP ENGINEER, **CALLED 6000' PBT**, CIRCULATE WELL, TOO H,

SHUTDOWN, SECURE WELL, DEBRIEF CREW

CREW TRAVEL TO YARD

Report Number

4

Report Start Date

9/19/2024

Report End Date

9/19/2024

Operation

CREW TRAVEL TO LOCATION

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

RU WIRELINE **RUN CBL**, RUN NEUTRON LOG, WAIT ON HILCORP ENGINEER FOR ORDERS, MU RUN IN **PERF HOLE @ 5900'/ 5400'**, RIGDOWN WIRELINE,

SHUTDOWN, SECURE WELL, DEBRIEF CREW

CREW TRAVEL TO YARD

Report Number

5

Report Start Date

9/20/2024

Report End Date

9/20/2024

Operation

CREW TRAVEL TO LOCATION

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

PUMU 4.5 (AS1-X) SELECT **PACKER, TIH SET AT 5475'**, RU PUMP DOWN TBG, MAKE SURE TO CIRCULATE DOWN 5900' TO 5400' OUT, CIRCULATE CLEAN, **RELEASE PACKER**, TOO H, LD PACKER, PUMU 4.5 SELECT CIRC, TIH CIRCULATE MAKE SURE TO CIRCULATE OUT **CICR SET AT 5880'**,RU DRAKE ENERGY CEMENTERS, PUMPED INJECTION RATE, 4BBLs/ MIN @300 PSI, **PUMP CEMENT: 30 SXS 90:10 TYPE III POZ, 11.1 BBL, 2.15 YLD, 12.5 PPG, .5 GAL/SX. 22 BBLs DISP @ 400 PSI, LD 16 JTS, REVERSE OUT 30 BBLs**, RIGDOWN CEMENT CREW,

Report Number

6

Report Start Date

9/23/2024

Report End Date

9/23/2024

Operation

CREW TRAVEL TO LOCATION

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



Well Operations Summary L48

Well Name: SAN JUAN 27-5 UNIT NP #330 ST1

API: 3003925522	Field: BSN (FTLD COAL)	#3046	State: NEW MEXICO
	Sundry #:		Rig/Service: HEC 101

Operation		
RU PRESSURE TEST TO (600PSI), LOST 400PSI IN 15 SECONDS, BLEED OFF PRESSURE, ATTEMPT TO PRESSURE TEST AGAIN TO 600PSI, LOST 400 PSI IN 15 SECONDS, NOTIFIED HILCORP ENGINEER, CALL SELECT OIL TOOLS TO RUN 4.5 (AS1-X) PACKER, WAIT ON SELECT, PUMU (AS1-X) PACKER, TIH TO 5374' PRESSURE TEST DOWN CASING (600PSI) GOOD TEST, PRESSURE TEST DOWN TUBING DOWN PACKER LEAKED 400PSI IN 15 SECONDS, RELEASED PACKER P/U TO 5437' SET PACKER, TESTED DOWN CASING, LEAKED 400 PSI IN 15 SEC, TESTED DOWN TUBING, HELD 600PSI, RELEASED PACKER MOVED UP TO 5406' SET, TESTED DOWN CASING LEAKED, TESTED DOWN TUBING, HELD 600PSI, NOTIFIED HILCORP ENGINEER, LEAK IS @ SQUEEZE HOLE 5400' , RELEASE PACKER,		
TOOH, LD (AS1-X) PACKER, TIH TO 5437' WAIT ON CMNT ,		
SHUTDOWN, SECURE WELL, DEBRIEF CREW		
CREW TRAVEL TO YARD		
Report Number 7	Report Start Date 9/24/2024	Report End Date 9/24/2024

Operation		
CREW TRAVEL TO LOCATION		
HELD PJSM, CREW CHECK PRESSURE CSG (0PSI), TBG (0 PSI) BDW 0 MIN.		
RU DRAKE ENERGY CEMENTERS, PUMPED TO CIRCULATE HOLE, 24 BBLs @ 50 PSI, PUMP 90:10 TYPE III POZ CEMENT, 30 SXS 11.5 BBL, 2.15 YIELD, 12.5 PPG, .5 GAL/SX. 18.1 BBLs DISP, @ 50PSI , TOOH		
TOOH, TO 4333' REVERSE OUT 24 BBLs, SQUEEZE CMNT 8 BBLs , SHUT DOWN CMNT AT 750PSI, RIGDOWN, DRAKE CMNT CREW,		
SHUTDOWN SECURE WELL		
CREW DROVE TO YARD		
Report Number 8	Report Start Date 9/25/2024	Report End Date 9/25/2024

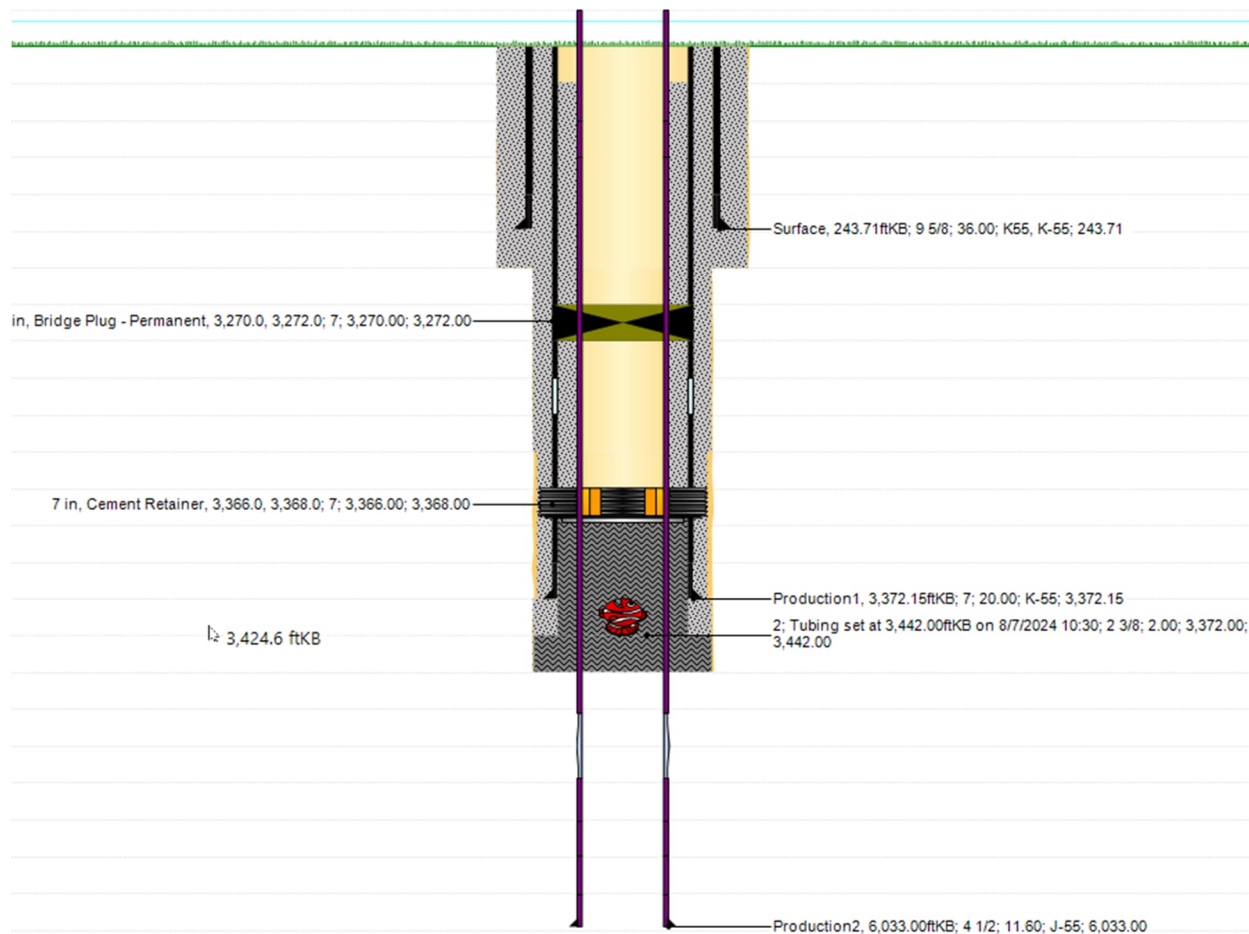
Operation		
CREW TRAVEL TO LOCATION		
HELD PJSM, CREW CHECK PRESSURE CSG (0PSI), TBG (0 PSI) BDW 0 MIN.		
PRESSURE TEST (700PSI) GOOD TEST, TOOH, W/TBG, PUMU 3 7/8 TRI CONE BIT, TIH TAG CMNT @ 5233'		
PU POWER SWIVEL, BEGIN CIRCULATION, DRILL OUT CMNT TO 5435', CIRCULATE CLEAN, PRESSURE TEST TO (600PSI), GOOD TEST, CONTINUE DRILLING CMNT, DRILL OUT TO 5920' FALL THROUGH, PU TO 6000', CIRCULATE CLEAN, PRESSURE TEST 600 PSI, GOOD TEST , RACK BACK POWER SWIVEL,		
SHUTDOWN SECURE WELL		
CREW DROVE TO YARD		
Report Number 9	Report Start Date 9/26/2024	Report End Date 9/26/2024

Operation		
CREW TRAVEL TO LOCATION		
HELD PJSM, CREW CHECK PRESSURE CSG (0 PSI), TBG (0 PSI) BDW 0 MIN.		
TOOH, LD, 3 7/8 TRI CONE BIT,		
RU WIRELINE RUN CBL , WAIT ON HILCORP ENGINEER FOR ORDERS, RIGDOWN WIRELINE,		
WAIT ON SELECT, PUMU 4.5 (AS1-X) PACKER, TIH TO 2833' TOOH, LD UNLOADER, TIH TO 4521' SET, TEST CASING TO (4000PSI) GOOD TEST , RD WELL CHECK,		
RELEASE (AS1-X) PACKER,		
SHUTDOWN, SECURE WELL, DEBRIEF CREW		
CREW TRAVEL TO YARD		
Report Number 10	Report Start Date 9/27/2024	Report End Date 9/27/2024

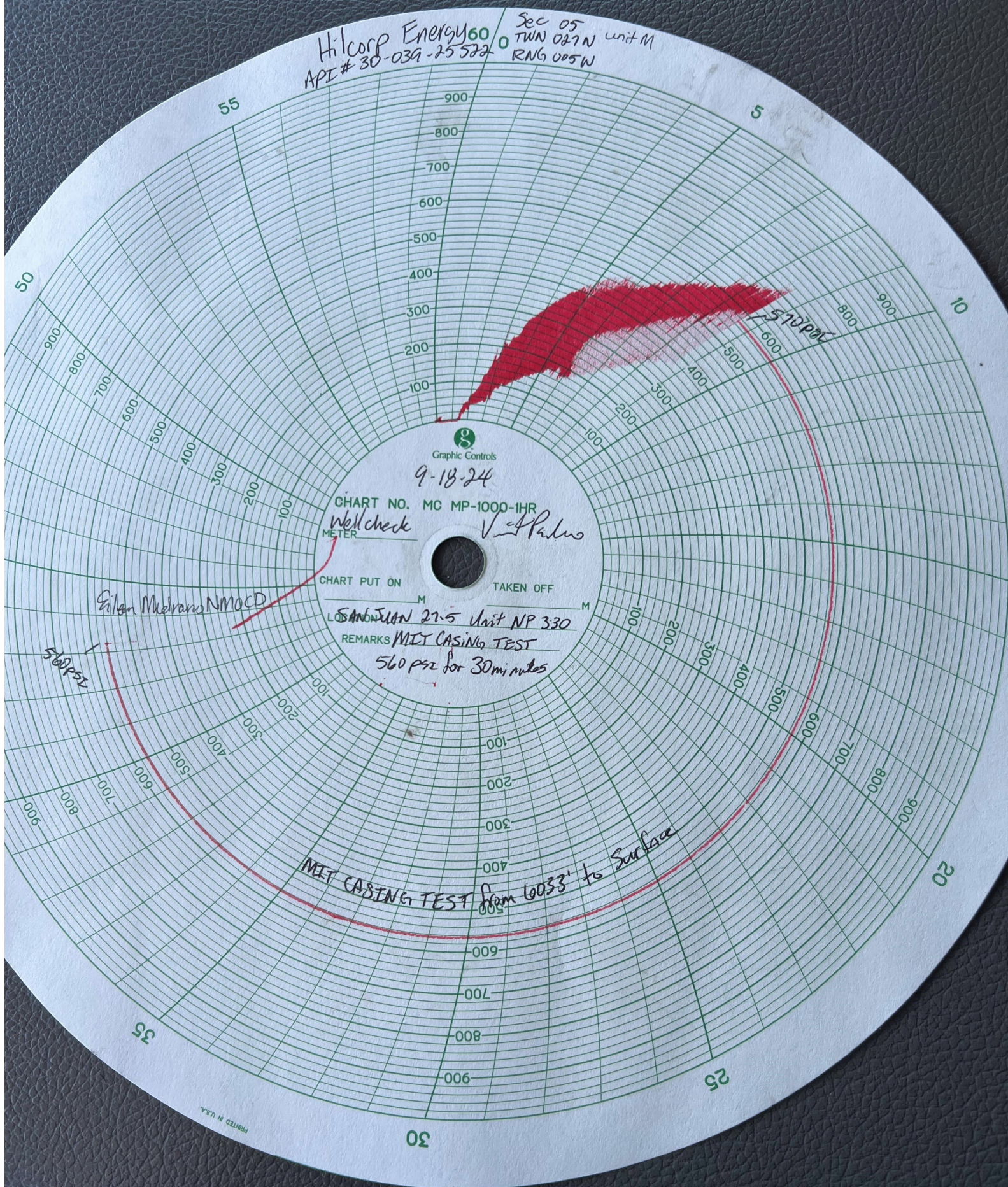
Operation		
CREW TRAVEL TO LOCATION		
HELD PJSM, CREW CHECK PRESSURE CSG (0 PSI), TBG (0 PSI) BDW 0 MIN.		
TOOH, LD TUBING, LD (AS1-X) PACKER, LOAD WELL WITH H2O		
ND BOP NU FRAC STAC, PT INSTALL 2- WAY VALVE PT FRAC STAC TO 4000PSI (GOOD), REMOVE 2-WAY VALVE.		
RIGDOWN UNIT, AND PUMP, SHUT IN WELL. LEAVE READY TO FRAC		

San Juan 27-5 Unit NP 330 ST
API 30-039-25522

Vertical schematic (actual)



Hilcorp Energy 60
 API # 30-039-25522
 Sec 05
 TWN 027N Unit M
 RNG 005W



Cheryl Weston

From: Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>
Sent: Thursday, September 26, 2024 1:51 PM
To: Bennett Vaughn; Rennick, Kenneth G
Cc: Farmington Regulatory Techs; Ben Hampton; James Osborn; Ray Brandhurst; Scott Matthews; Matthew Esz; Greg Gandler; Marcus Hill; Blas Enriquez - (C)
Subject: RE: [EXTERNAL] San Juan 27-5 Unit NP 330 Cement Remediation (API 3003925522)

Follow Up Flag: Follow up
Flag Status: Flagged

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Bond looks a lot better. Good to go on the proposed interval.

Ward

From: Bennett Vaughn <Bennett.Vaughn@hilcorp.com>
Sent: Thursday, September 26, 2024 12:46 PM
To: Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>
Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Ben Hampton <bhampton@hilcorp.com>; James Osborn <josborn@hilcorp.com>; Ray Brandhurst <rbrandhurst@hilcorp.com>; Scott Matthews <scmatthews@hilcorp.com>; Matthew Esz <Matthew.Esz@hilcorp.com>; Greg Gandler <Greg.Gandler@hilcorp.com>; Marcus Hill <Marcus.Hill@hilcorp.com>; Blas Enriquez - (C) <Blas.Enriquez@hilcorp.com>
Subject: [EXTERNAL] San Juan 27-5 Unit NP 330 Cement Remediation (API 3003925522)

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Afternoon Ward and Kenny,

Attached is our new CBL on the San Juan 27-5 Unit NP 330 (API 3003925522) after pumping that cement remediation job.

We will continue forward with the previously agreed upon NOI depths of 5,100'-5,980'.

Let me know if you have any questions.

Thanks,

Bennett Vaughn

Ops Engineer

San Juan South Asset Team

Hilcorp Energy Company

o: (346) 237-2195 | c: (281) 409-5066

e: Bennett.Vaughn@hilcorp.com

Cheryl Weston

From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Thursday, September 26, 2024 1:53 PM
To: Bennett Vaughn; Ward.Rikala@emnrd.nm.gov
Cc: Farmington Regulatory Techs; Ben Hampton; James Osborn; Ray Brandhurst; Scott Matthews; Matthew Esz; Greg Gandler; Marcus Hill; Blas Enriquez - (C)
Subject: Re: [EXTERNAL] San Juan 27-5 Unit NP 330 Cement Remediation (API 3003925522)

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The BLM finds the proposed perforations appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

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

Email: krennick@blm.gov
Mobile & Text: 505.497.0019

From: Bennett Vaughn <Bennett.Vaughn@hilcorp.com>
Sent: Thursday, September 26, 2024 12:45 PM
To: Ward.Rikala@emnrd.nm.gov <Ward.Rikala@emnrd.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>
Cc: Farmington Regulatory Techs <FarmingtonRegulatoryTechs@hilcorp.com>; Ben Hampton <bhampton@hilcorp.com>; James Osborn <josborn@hilcorp.com>; Ray Brandhurst <rbrandhurst@hilcorp.com>; Scott Matthews <scmatthews@hilcorp.com>; Matthew Esz <Matthew.Esz@hilcorp.com>; Greg Gandler <Greg.Gandler@hilcorp.com>; Marcus Hill <Marcus.Hill@hilcorp.com>; Blas Enriquez - (C) <Blas.Enriquez@hilcorp.com>
Subject: [EXTERNAL] San Juan 27-5 Unit NP 330 Cement Remediation (API 3003925522)

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Thanks,

Bennett Vaughn

Ops Engineer

San Juan South Asset Team

Hilcorp Energy Company

o: (346) 237-2195 | **c:** (281) 409-5066

e: Bennett.Vaughn@hilcorp.com

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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

CONDITIONS

Action 399997

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 399997
	Action Type: [C-103] Sub. Drilling (C-103N)

CONDITIONS

Created By	Condition	Condition Date
keith.dziokonski	Report pressure test on next sundry. Include test pressure and duration.	11/7/2024