

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources

Form C-104
Revised August 1, 2011

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

¹ Operator name and Address Hilcorp Energy Company 382 Road 3100 Aztec, NM 87410		² OGRID Number 372171	
		³ Reason for Filing Code/ Effective Date RC	
⁴ API Number 30-045-25331	⁵ Pool Name Blanco Mesaverde		⁶ Pool Code 72319
⁷ Property Code 72319	⁸ Property Name Grenier		⁹ Well Number 15E

II. ¹⁰ Surface Location

UI or lot no. K	Section 18	Township 31N	Range 11W	Lot Idn	Feet from the 1520'	North/South Line South	Feet from the 1560'	East/West Line West	County San Juan
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¹¹ Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County Choose an item.
¹² Lse Code F	¹³ Producing Method Code F		¹⁴ Gas Connection Date		¹⁵ C-129 Permit Number		¹⁶ C-129 Effective Date		¹⁷ C-129 Expiration Date

III. Oil and Gas Transporters


¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	Western Refinery	O
373888	Harvest Four Corners, LLC	G

IV. Well Completion Data

²¹ Spud Date 3/23/1982	²² Ready Date 8/21/2023	²³ TD 7244'	²⁴ PBTD 7210'	²⁵ Perforations 4543'-5170'	²⁶ DHC, MC DHC 5314
²⁷ Hole Size		²⁸ Casing & Tubing Size		²⁹ Depth Set	
12 1/4"		9 5/8", 32.3#, H-40		240'	
8 3/4"		7", 23#, K-55		4796'	
6 1/4"		4 1/2", 10.5/11.6#, K-55		TOL 4592' BOL 7244'	
		2 3/8", 4.7#, J-55		7169'	

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date 8/21/2023	³³ Test Date	³⁴ Test Length 4	³⁵ Tbg. Pressure SI 224	³⁶ Csg. Pressure SI 285
³⁷ Choke Size 25/64"	³⁸ Oil 0	³⁹ Water 0	⁴⁰ Gas 63		⁴¹ Test Method

⁴² 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. Signature: 	OIL CONSERVATION DIVISION Approved by: Sarah McGrath
Printed name: Amanda Walker	Title: Petroleum Specialist - A
Title: Operations Regulatory Tech Sr.	Approval Date: 09/18/2023
E-mail Address: mwalker@hilcorp.com	
Date: 9/6/2023	Phone: 346.237.2177

Well Name: GRENIER	Well Location: T31N / R11W / SEC 18 / NESW / 36.895874 / -108.034607	County or Parish/State: SAN JUAN / NM
Well Number: 15E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078115	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004525331	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2749847

Type of Submission: Subsequent Report	Type of Action: Recompletion
Date Sundry Submitted: 09/06/2023	Time Sundry Submitted: 12:29
Date Operation Actually Began: 07/11/2023	

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

Grenier_15E_SR_RC_Writeup_20230906122932.pdf

Received by OCD: 9/15/2023 5:29:12 AM

Page 3 of 19

Well Name: GRENIER	Well Location: T31N / R11W / SEC 18 / NESW / 36.895874 / -108.034607	County or Parish/State: SAN JUAN / NM
Well Number: 15E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078115	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004525331	Well Status: Producing Gas Well	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: SEP 06, 2023 12:29 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: 09/07/2023
Signature: Kenneth Rennick	

Grenier 15E
30-045-25331
NMSF078115
SR Recomplete

7/11/2023: MIRU. CK PRESSURES (CSG 122 PSI, TBG 122 PSI, BH 0 PSI). ND WH. NU BOP, FT, GOOD TST. SCAN TBG OOH. SDFN

7/12/2023: CK PRESSURES (CSG 144 PSI, TBG 0 PSI, BH 0 PSI). MAKE SCRAPER RUN T/7060'. RIH & **SET CIBP @ 7050'**. RUN CBL F/7052' T/SURF. SDFN.

7/13/2023: CK PRESSURES (TBG-0 PSI, CSG- 0 PSI, 0- PSI BH). RIH & SET PKR @ 4562'. TST TBG, TBG HELD. SDFN

7/17/2023: CK PRESSURES (TBG-0 PSI, CSG- 0 PSI, 0- PSI BH). TIH W/PKR & SET @ 4572'. TOL @ 4592'. MIT TST F/4572' T/SURF 565 PSI F/30 MINS. TST WITNESS & PASSED BY CLARENCE SMITH/NMOCD. MIT TST DWN TBG F/4616' T/7050' 560 PSI F/30 MINS, TST WITNESSED & PASSED BY CLARENCE SMITH/NMOCD. TOOH & LD PKR. RIH & PERF 5275'-5276', 3 SPF, 0.35" DIA, WENT ON VACUUM. PULL UP HOLE & PERF 4694'-4695', 3 SPF, 0.35" DIA. SDFN

7/18/2023: CK PRESSURES (TBG-0 PSI, CSG- 12 PSI, 0- PSI BH). RIH & **SET CMT RETAINER @ 5250'**. PUMP TBG CAPACITY 20.5 BBLS, SET RETAINER @ 5250'STING OUT ROLL HOLE W/180 BBLS, STING BACK IN RETAINER. PMP 20.5 BBLS DOWN TBG, MIX CMT BRING UP TO W.T. RIG UP CMT PMP 3 BBLS WATER AHEAD, MIX 16 BBLS CMT TYPE 3, 66 SKS 14.6#, YIELD 1.37, MIX GAL 6.64, PMP 10.5 BBLS PSI UP T/ 2500, STING OUT OF RETAINER LAY 1 JT DOWN TRIED TO REVERSE CIRC, UPPER SQUEEZE HOLE TAKEN FLUID. SDFN

7/19/2023: CK PRESSURES (TBG-0 PSI, CSG- 0 PSI, 0- PSI BH). P/U CMT RETAINER STINGER SUB TIH 48 STANDS, RABBIT ALL STANDS, REVERSE CIRC 3X VOLUMES, 84 BBLS TO LOAD HOLE P/U UP TBG OFF FLOAT, T/5220' REVERSE CIRC 1.5 VOLUMES, 54 BBLS T/ LOAD HOLE, STING IN RETAINER, TBG WENT ON VACUUM. RIG UP CMT PMP 30 BBLS WATER AHEAD, MIX 16 BBLS CMT TYPE 3, 66 SKS 14.6#, YIELD 1.37, MIX GAL 6.64, PUMPED 16 BBLS @ 50 PSI, DISPLACE 19.5 BBLS, STING OUT OF RETAINER WELL ON VACUUM. SDFN

7/20/2023: CK PRESSURES (TBG-0 PSI, CSG- 0 PSI, 0- PSI BH). P/U 4 1/2 RETAINER & **SET @ 4660'**, PMP 20 BBLS, STING OUT LOAD HOLE W/ 110 BBLS. PMP 22 BBLS WATER AHEAD, MIX 30 BBLS CMT TYPE 3, OR 123 SKS 14.6#, YIELD 1.37, MIX GAL 6.64, PUMPED 30 BBLS @ 88 PSI, DISPLACE 17.5 BBLS, @ 800 PSI STING OUT OF RETAINER DROP T/ 0 PSI, LAY DOWN 1 JT, REVERSE CIRC 36 BBLS 2X OVER 1 BBL CMT BACK. SDFN

7/21/2023: CK PRESSURES (TBG-0 PSI, CSG- 0 PSI, 0- PSI BH). TIH & TAG 2 4623'. DRILL CMT F/4623' T/4660'. DRILL CMT RETAINER & 25' CMT T/4687'. CIRC HOLE CLEAN. TIH & HAD STRINGERS OF CMT F/4918 T/5248'. DRILL CMT F/5248' T/5250'. DRILL CMT RETAINER & 25' CMT UNDER RETAINER T/5275'. CIRC HOLE CLEAN. SDFN

7/24/2023: CK PRESSURES (TBG-0 PSI, CSG- 0 PSI, 0- PSI BH). RUN CBL F/5075' T/4592'. ND BOP. NU WH.L RIH & **SET CBP @ 5220'**. **PERF POINT LOOKOUT (4946' – 5170') INTERVAL W/30 SHOTS, 1 SPF, 0.35" DIA.** SDFN

7/25/2023: CK PRESSURES (TBG-0 PSI, CSG- 0 PSI, 0- PSI BH). TIH & **SET FRAC THRU PLUG @ 4928'**. **PERF MENEFE 4543' – 4910' INTERVAL W/30 SHOTS, 1 SPF, 0.35" DIA.** SDFN

Grenier 15E
30-045-25331
NMSF078115
SR Recomplete

7/26/2023: CK PRESSURES (TBG-0 PSI, CSG-60 PSI, 0- PSI BH). TIH W/Frac STRING & SET @ 4489'. SET PKR & LOAD BACKSIDE, W/135 BBLS PSI, TST T/560, HELD. ND BOP. NU FRAC STACK, TST FRAC STACK, GOOD TST. SDFN

8/17/2023: CK PRESSURES (SITP: N/A SICP: 0 PSI SIBHP: 0 PSI). RU FRAC CREW. POINT LOOKOUT STIMULATION: (4946' TO 5170') STAGE 1 FRAC AT 50 BPM W/ 70 Q N2 FOAM. TOTAL LOAD: 1040 BBLS TOTAL ACID: 500-GAL TOTAL SLICKWATER: 1038 BBLS TOTAL 20/40 SAND: 150,362 LBS TOTAL N2: 1,390,000 SCF. DROP BALL. MENEFE STIMULATION: (4543' TO 4910') STAGE 2 FRAC AT 50 BPM W/ 70 Q N2 FOAM. TOTAL LOAD: 922 BBLS TOTAL ACID: 500-GAL TOTAL SLICKWATER: 910 BBLS TOTAL 20/40 SAND: 100,392 LBS TOTAL N2: 1,001,000 SCF. ND FRAC STACK. NU BOP & FT, GOOD TST. RD FRAC CREW.

8/18/2023: CK PRESSURES (SITP- 250 PSI. SICP- 0 PSI. SIBHP 0 PSI). TOOH W/Frac STRING. TIH TAG PLUG @ 4928'. EST CIRC & **DO FRAC THRU PLUG @ 4928'**. TOOH W/6 STANDS. SDFN

8/19/2023: CK PRESSURES (SITP- 0 PSI. SICP- 360 PSI. SIBHP 0 PSI). TIH & TAG FILL @ 5111'. BROUGHT ON AIR UNIT. EST CIRC. CO DWN TO TOP OF PLUG. TAG & **DO PLUG @ 5220'**. CONT TIH. TAG & **DO @ 7052'**. CONT TIH & CO T/PBTD @ 7210'. TOOH. TIH W/226 JTS 2 3/8" 4.7# J-55 PROD TBG. SDFN

8/20/2023: CK PRESSURES (SITP- 0 PSI. SICP- 280 PSI. SIBHP 0 PSI). CONT TIH W/TBG. EOT @ 7169', SN @ 7168', PBTD @ 7210'. ND BOP. NU WH. BROUGHT ON AIR UNIT, PMP 5 BBLS AHEAD W/5 GAL CORROSION INHIBITOR, DROPPED BALL, PT TBG STRING T/500 PSI. TST GOOD. POPPED OFF CK @ 1050 PSI. UNLOAD WELL. RDRR HAND OVER WELL TO OPERATIONS.

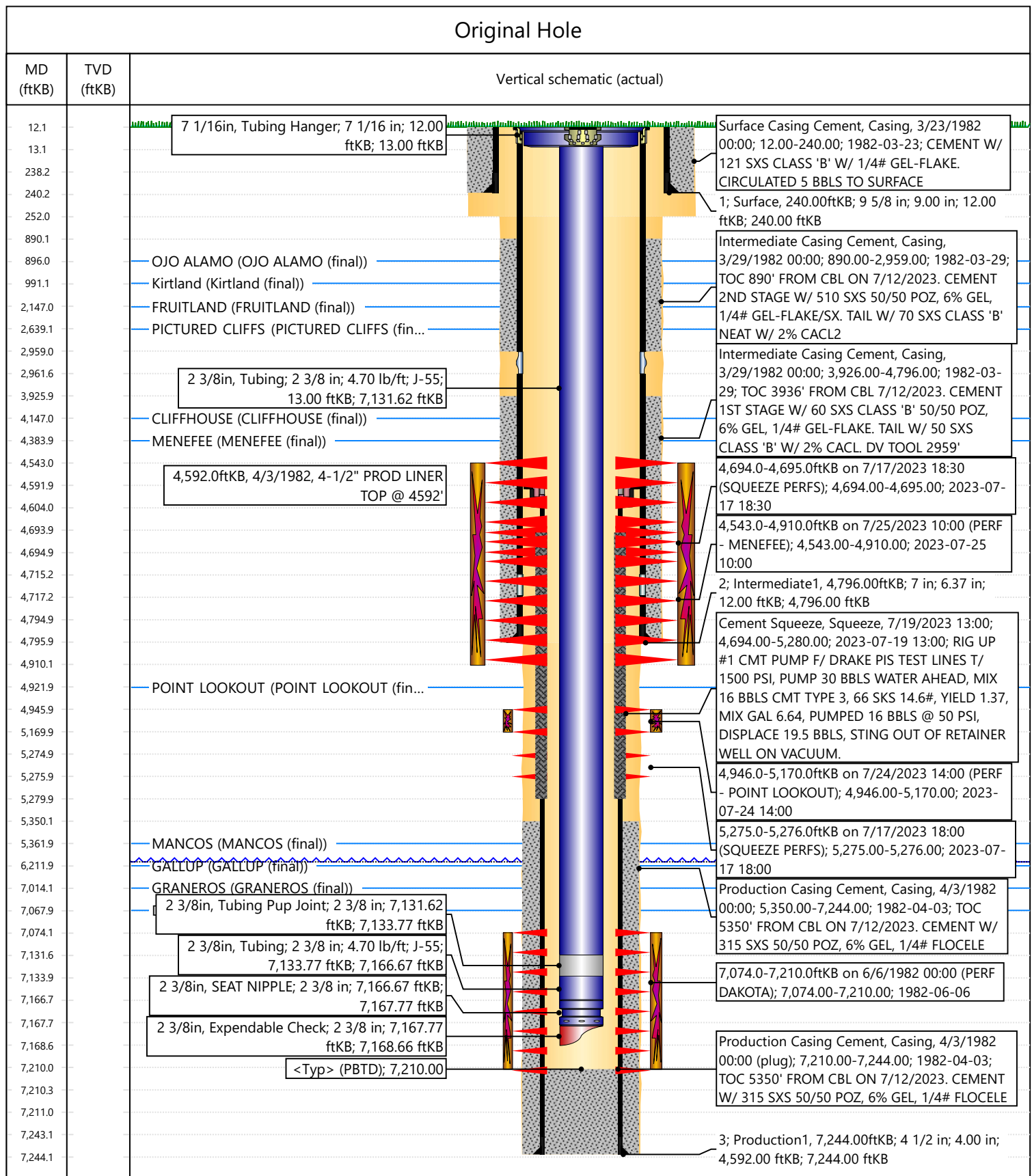
****WELL IS NOW PRODUCING AS A MV/DK COMMINGLE****

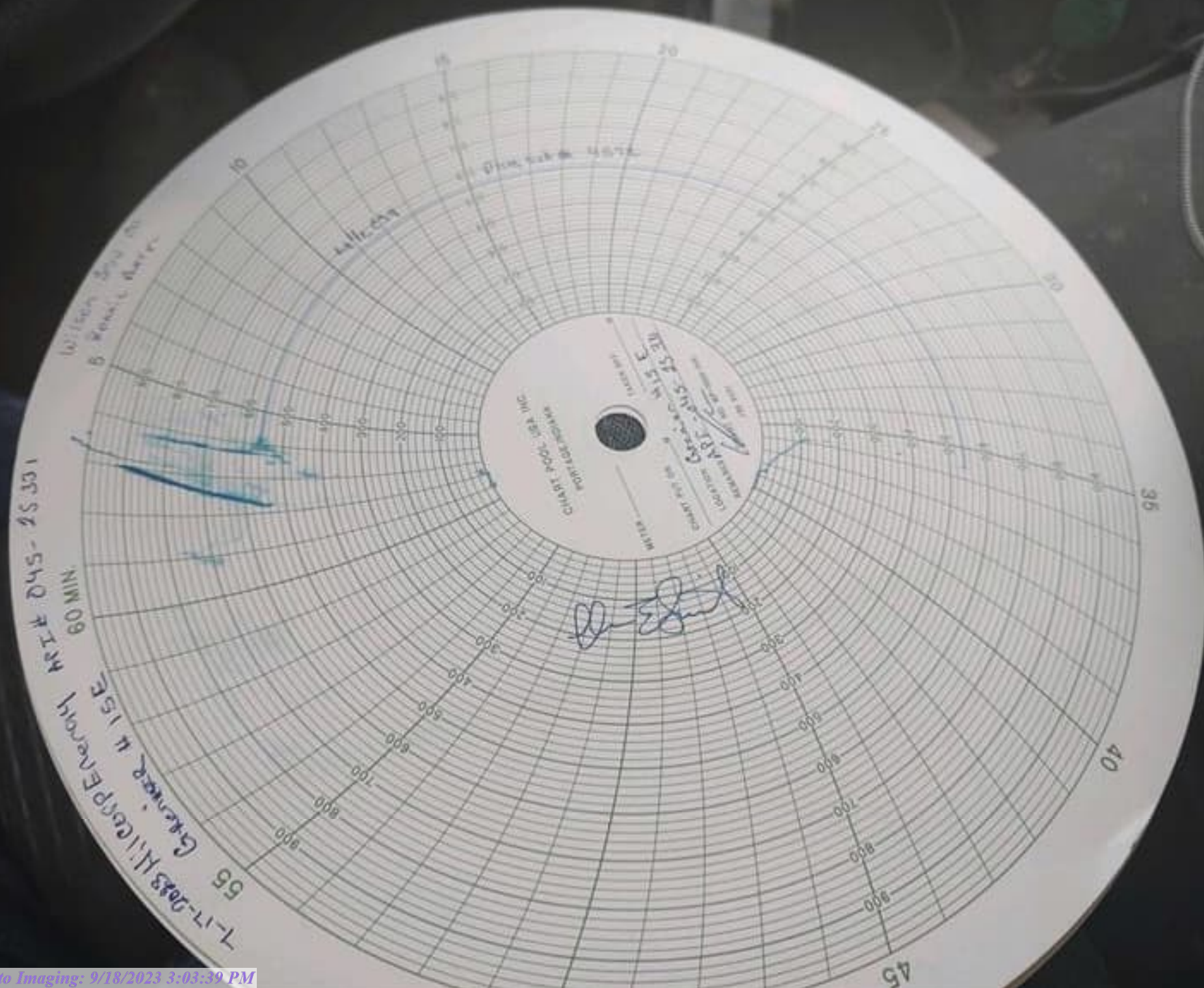


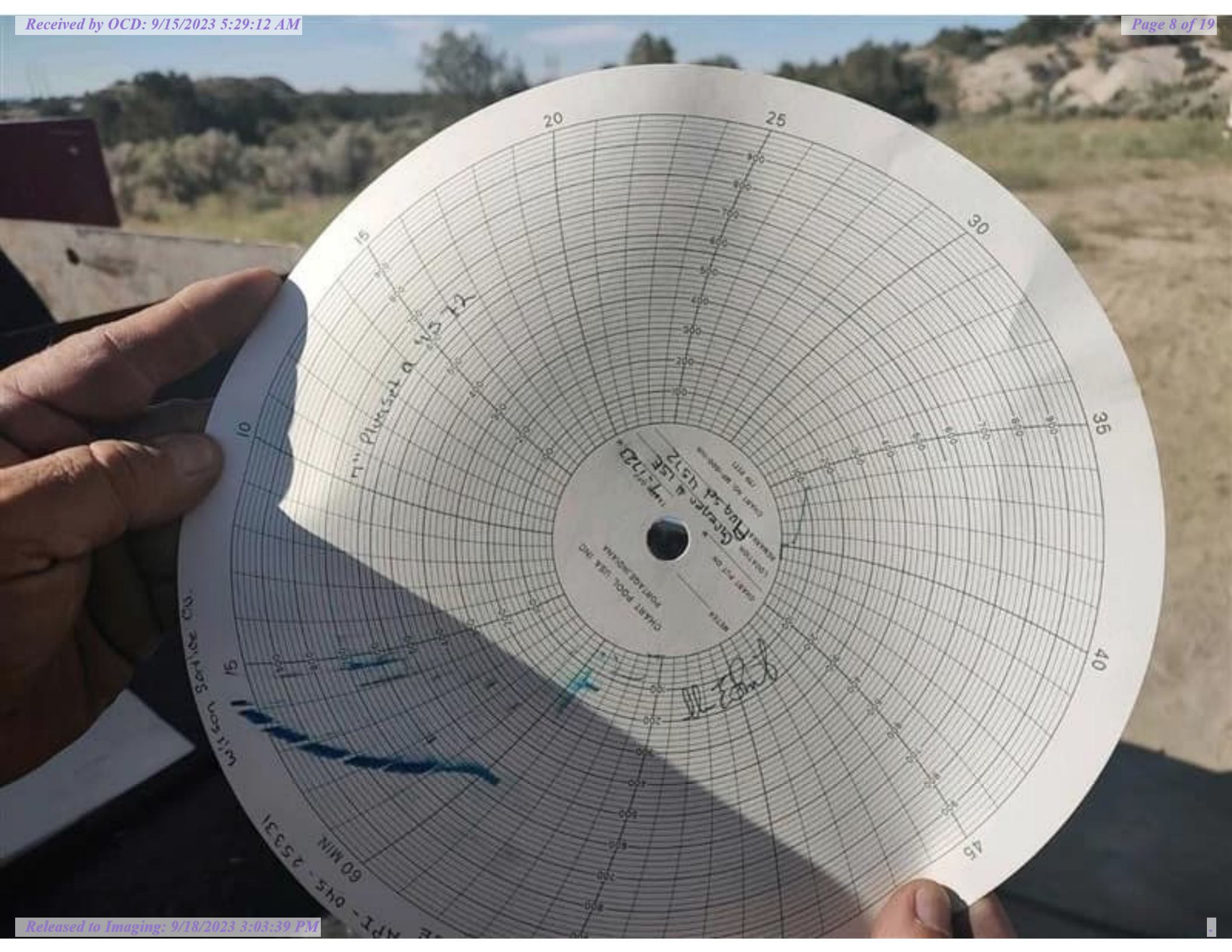
Current Schematic - Version 3

Well Name: GRENIER #15E

API / UWI 3004525331	Surface Legal Location 018-031N-011W-K	Field Name BASIN DAKOTA (PRORATED GAS)	Route 0109	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,058.00	Original KB/RT Elevation (ft) 6,070.00	RKB to GL (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	







Mandi Walker

From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Thursday, July 20, 2023 9:18 AM
To: Hayden Moser; Kuehling, Monica, EMNRD
Cc: Farmington Regulatory Techs
Subject: Re: [EXTERNAL] Grenier #15E - API # 3004525331

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Thank you for the information, Hayden. Please keep us informed.

Kenny Rennick

Kenneth (Kenny) Rennick

Petroleum Engineer

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

From: Hayden Moser
Sent: Thursday, July 20, 2023 6:30 AM
To: Kuehling, Monica, EMNRD ; Rennick, Kenneth G
Cc: Farmington Regulatory Techs
Subject: RE: [EXTERNAL] Grenier #15E - API # 3004525331

Monica & Kenny,

Our first squeeze was not successful yesterday, we will be pumping another squeeze today.

Thanks,

Hayden Moser
Operations Engineer | San Juan North Asset Team
Hilcorp Energy Company | 1111 Travis St. | Houston, TX 77002



From: Kuehling, Monica, EMNRD
Sent: Monday, July 17, 2023 5:11 PM
To: Rennick, Kenneth G ; Hayden Moser
Cc: Farmington Regulatory Techs
Subject: RE: [EXTERNAL] Grenier #15E - API # 3004525331

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NMOCD approves below squeeze from 4694 to 5275 with MIT after drill out and CBL for interval.

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District

From: Rennick, Kenneth G
Sent: Monday, July 17, 2023 2:46 PM
To: Hayden Moser ; Kuehling, Monica, EMNRD
Cc: Farmington Regulatory Techs
Subject: Re: [EXTERNAL] Grenier #15E - API # 3004525331

The BLM finds the proposal appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

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

From: Hayden Moser
Sent: Monday, July 17, 2023 2:39 PM
To: Kuehling, Monica, EMNRD ; Rennick, Kenneth G

Cc: Farmington Regulatory Techs
Subject: RE: [EXTERNAL] Grenier #15E - API # 3004525331

Monica & Kenny,

To provide 100' of cement below our bottom perforation I would like to propose a new plan for cement remediation. I propose that we shorten up our perforation interval from 4384-5251' to 4384-5171'. Then I propose that we perforate squeeze holes in the 4 ½" liner at +- 4694' & +- 5275' and pump a cement squeeze. This will provide 100' of cement coverage below our bottom perforation. We will get another CBL and upon approval continue operations per the approved NOI.

Thanks,

Hayden Moser

Operations Engineer | San Juan North Asset Team
Hilcorp Energy Company | 1111 Travis St. | Houston, TX 77002



From: Kuehling, Monica, EMNRD
Sent: Monday, July 17, 2023 3:05 PM
To: Rennick, Kenneth G ; Hayden Moser
Cc: Farmington Regulatory Techs
Subject: RE: [EXTERNAL] Grenier #15E - API # 3004525331

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Hayden

Because of the lack of cement thru 100 feet below perforating area – please submit a tracer log after recomplete operations.

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District

From: Kuehling, Monica, EMNRD
Sent: Monday, July 17, 2023 10:33 AM
To: Rennick, Kenneth G ; Hayden Moser
Cc: Farmington Regulatory Techs
Subject: RE: [EXTERNAL] Grenier #15E - API # 3004525331

NMOCD approves the cementing of area 4694 – 4920 which is within MV formation – testing has passed from 4572 to surface – a test is still required from 5251 to cibp.

I have forwarded log to Engineering concerning 50/50 poz ran below perforating interval. Waiting on reply.

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District

From: Rennick, Kenneth G
Sent: Monday, July 17, 2023 10:16 AM
To: Hayden Moser ; Kuehling, Monica, EMNRD
Cc: Farmington Regulatory Techs
Subject: Re: [EXTERNAL] Grenier #15E - API # 3004525331

The BLM finds the proposal appropriate.

Kenneth (Kenny) Rennick

Petroleum Engineer

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

From: Hayden Moser
Sent: Monday, July 17, 2023 9:57 AM
To: Kuehling, Monica, EMNRD ; Rennick, Kenneth G
Cc: Farmington Regulatory Techs
Subject: RE: [EXTERNAL] Grenier #15E - API # 3004525331

Monica & Kenny,

After we perform our MITs, I propose that we perforate squeeze holes in the 4 ½" liner at +- 4694' & +- 4920' and pump a cement squeeze across that interval. Then we will continue operations per the approved NOI. Please see attached proposed WBD which shows what I have just described.

Thanks,

Hayden Moser

Operations Engineer | San Juan North Asset Team
Hilcorp Energy Company | 1111 Travis St. | Houston, TX 77002



From: Hayden Moser
Sent: Saturday, July 15, 2023 9:23 AM
To: Kuehling, Monica, EMNRD ; Rennick, Kenneth G
Cc: Farmington Regulatory Techs
Subject: Re: [EXTERNAL] Grenier #15E - API # 3004525331

Monica,

We have already pre-tested and we can do either test Monday morning. Shane Hendry is the contact and yes the well sits off lightplant.

Thanks,
Hayden

Get [Outlook for iOS](#)

From: Kuehling, Monica, EMNRD
Sent: Friday, July 14, 2023 5:12:19 PM
To: Hayden Moser ; Rennick, Kenneth G
Cc: Farmington Regulatory Techs
Subject: RE: [EXTERNAL] Grenier #15E - API # 3004525331

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Hayden

I don't see any cement below 5251

Which test are you scheduling for 8:30 a.m. and are you pretesting – who is the contact

Normally people call me to set up an mit – This well sets off of lightplant?

I can schedule the first test at 8:30 Monday

A bradenhead test is required prior to MIT – please make sure bradenhead and intermediate are closed prior to testing 24 hour minimum.

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District

From: Hayden Moser
Sent: Friday, July 14, 2023 11:08 AM
To: Kuehling, Monica, EMNRD ; Rennick, Kenneth G
Cc: Farmington Regulatory Techs
Subject: [EXTERNAL] Grenier #15E - API # 3004525331

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Monica & Kenny,

Attached is the CBL for the Grenier #15E, it shows the TOC at 890'. We have isolated a small leak from 4562-4611' which is within our perf interval of 4384-5251'. Since the small leak is within our perf interval, I propose that we perform a MIT above and below our perf interval. Therefore we would perform the MIT from 5251' to the isolation plug at 7050', & 4384' to surface. We would like to schedule this MIT for 8:00 AM Monday morning.

Thanks,

Hayden Moser
Operations Engineer | San Juan North Asset Team
Hilcorp Energy Company | 1111 Travis St. | Houston, TX 77002



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While all reasonable care has been taken to avoid the transmission of viruses, it is the responsibility of the recipient to ensure that the onward transmission,

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 <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other										5. Lease Serial No. NMSF078115	
b. Type of Completion: <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input checked="" type="checkbox"/> Diff. Resvr.,										6. If Indian, Allottee or Tribe Name	
Other: Recomplete										7. Unit or CA Agreement Name and No.	
2. Name of Operator Hilcorp Energy Company										8. Lease Name and Well No. Grenier 15E	
3. Address 382 Road 3100, Aztec, NM 87410					3a. Phone No. (include area code) (505) 599-3400					9. API Well No. 30-045-25331	
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface K (NESW) 1520' FSL & 1560' FWL) At top prod. Interval reported below At total depth										10. Field and Pool or Exploratory Mesaverde	
										11. Sec., T., R., M., on Block and Survey or Area Sec. 18, T31N, R11W	
										12. County or Parish San Juan	13. State New Mexico
14. Date Spudded 3/23/1982			15. Date T.D. Reached 4/3/1982			16. Date Completed 8/21/2023 <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.			17. Elevations (DF, RKB, RT, GL)* 6058' GL		
18. Total Depth: 7244'				19. Plug Back T.D.: 7210'				20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL								22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit report) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> 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 1/4"	9 5/8", H-40	32.3#		240'		121 sx					
8 3/4"	7", K-55	23#		4796'		690 sx					
6 1/4"	4 1/2", K-55	10.5/11.6#	4592'	7244'		315 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"	7169'										
25. Producing Intervals											
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) Meefee		4543'	4910'	1 SPF		0.35"	30	Open			
B) Point Lookout		4946'	5170'	1 SPF		0.35"	30	Open			
C) Squeeze Perfs		4694'	4695'	3 SPF		0.35"	3	Squeezed			
D) Squeeze Perfs		5275	5276	3 SPF		0.35"	3	Squeezed			
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval			Amount and Type of Material								
MENELEE (4543' TO 4910')			FRAC AT 50 BPM W/ 70 Q N2 FOAM. TOTAL LOAD: 922 BBLS TOTAL ACID: 500-GAL TOTAL SLICKWATER: 910 BBLS TOTAL 20/40 SAND: 100,392 LBS TOTAL N2: 1,001,000 SCF								
POINT LOOKOUT (4946' TO 5170')			FRAC AT 50 BPM W/ 70 Q N2 FOAM. TOTAL LOAD: 1040 BBLS TOTAL ACID: 500-GAL TOTAL SLICKWATER: 1038 BBLS TOTAL 20/40 SAND: 150,362 LBS TOTAL N2: 1,390,000 SCF.								
Squeeze Perfs (4694' - 5276')			PUMP 30 BBLS WATER AHEAD, MIX 16 BBLS CMT TYPE 3, 66 SKS 14.6#, YIELD 1.37, MIX GAL 6.64, PUMPED 16 BBLS @ 50 PSI, DISPLACE 19.5 BBLS, STING OUT OF RETAINER WELL ON VACUUM.								
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		
8/21/2023		4	➡	0	63	0			Flowing		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
25/64"	SI 224	SI 285	➡	0	360	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):					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
Fruitland	2147'	2639'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	2147'	
Pictured Cliffs	2639'	4147'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	2639'	
Cliffhouse	4147'	4384'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	4147'	
Menefee	4384'	4922'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	4384'	
Point Lookout	4922'	5362'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4922'	
Mancos	5362'	'	Dark gry carb sh.	Mancos	5362'	
Greenhorn		7014'	Highly calc gry sh w/ thin lmst.	Greenhorn	'	
Graneros	7014'	7068'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	7014'	
Dakota	7068'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	7068'	
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 5314

MV#: NMSF078115

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

<input checked="" 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 (<i>please print</i>)	Amanda Walker	Title	Operations/Regulatory Technician - Sr.
Signature		Date	9/6/2023

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.

Mandi Walker

From: blm-afmss-notifications@blm.gov
Sent: Thursday, September 7, 2023 9:16 AM
To: Mandi Walker
Subject: [EXTERNAL] Well Name: GRENIER, Well Number: 15E, Notification of Well Completion Acceptance

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: **GRENIER**
- Well Number: **15E**
- US Well Number: **3004525331**
- Well Completion Report Id: **WCR2023090789226**

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

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 265508

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 265508
	Action Type: [C-104] Completion Packet (C-104C)

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.

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 265508

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 265508
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	None	9/18/2023