

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 NW
⁴ API Number 30-045-35611	⁵ Pool Name Basin Fruitland Coal	⁶ Pool Code 71629
⁷ Property Code 318864	⁸ Property Name Allison Unit	⁹ Well Number 123H

II. ¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
I	09	32N	07W	10	1591	South	776	East	San Juan

¹¹ Bottom Hole Location

UL or lot no. (Lat 1) E	Section	Township	Range	Lot Idn	Feet from the	North/South Line	Feet from the	East/West Line	County
(ST 1) L	11	32N	07W	4	677	North	663	West	San Juan
(ST 1) L	11	32N	07W		2711	South	1328	West	San Juan
NEW (Lat 2) L	10	32N	07W	7	1996	South	558	West	San Juan
NEW (ST 2) L	10	32N	07W	7	1883	South	254	West	San Juan
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				

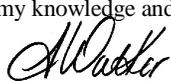
III. Oil and Gas Transporters

¹⁸ Transporter OGRID	¹⁹ Transporter Name and Address	²⁰ O/G/W
248440	Western Refinery	O
151618	Enterprise	G

IV. Well Completion Data

²¹ Spud Date 5/22/2018	²² Ready Date 11/14/2023	²³ TD LAT 1: MD 9647'/TVD 3208' LAT 1 ST 1: MD 10,150'/TVD 3223' NEW LAT 2: MD 4016'/TVD 3131' NEW LAT 2 ST 1: MD 3710'/TVD 3135'	²⁴ PBDT LAT 1: MD 9629'/TVD 3209' LAT 1 ST 1: MD 7846'/TVD 3236' NEW LAT 2: MD 4016'/TVD 3131' NEW LAT 2 ST 1: MD 3710'/TVD 3135'	²⁵ Perforations LAT 1 MD: 4541'-9629'/TVD: 3268'-3209' LAT 1 ST 1 MD: 4454'-10,150'/TVD: 3271'-3223' NEW LAT 2: Open Hole NEW LAT 2 ST 1: Open Hole	²⁶ DHC, MC NSP 2175
²⁷ Hole Size	²⁸ Casing & Tubing Size	²⁹ Depth Set	³⁰ Sacks Cement		
12-1/4"	9-5/8", 32.3#, H-40	516.5'	280 sx (331 cf)		
8-3/4"	7", 23#, L-80	3899'	485 sx (1033 cf)		
LAT 1: 6-1/4"	4-1/2", 11.6#, N-80	TOL 4541' BOL 9630'			
LAT ST 1: 6-1/4"	4-1/2", 11.6#, N-80	TOL 3606' BOL 7847'			
NEW LAT 2:	Open Hole	N/A			
NEW LAT 2 ST 1:	Open Hole	N/A			
	2 7/8", 4.7#, J-55	3716'			

V. Well Test Data

³¹ Date New Oil	³² Gas Delivery Date 11/14/2023	³³ Test Date	³⁴ Test Length 24 hrs	³⁵ Tbg. Pressure SI-74	³⁶ Csg. Pressure SI-72
³⁷ Choke Size	³⁸ Oil 0	³⁹ Water 0	⁴⁰ Gas 1027 mcf		⁴¹ Test Method N/A
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		
Printed name: Amanda Walker			Approved by: Sarah McGrath		
Title: Operations Regulatory Tech Sr.			Title: Petroleum Specialist - A		
E-mail Address: mwalker@hilcorp.com			Approval Date: 01/26/2024		
Date: 1/2/2024	Phone: 346.237.2177				

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. Resrv.,
 Other: Lateral Sidetrack

5. Lease Serial No. **SF-078459-B**

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

6. If Indian, Allottee or Tribe Name

3. Address **382 Road 3100, Aztec, NM 87410**

3a. Phone No. (include area code) **(505) 599-3400**

7. Unit or CA Agreement Name and No. **Allison Unit**

4. Location of Well (Report location clearly and in accordance with Federal requirements)*
 At surface **Unit I (NE/SE), 1591' FSL & 776' FEL**
 At top prod. Interval reported below
Lateral 2: Unit L (NW/SW), Sec 10, 32N, 07W, 1996' FSL & 558' FWL Lot 7
Lateral 2 ST 1: Unit L (NW/SW), Sec 10, 32N, 07W, 1883' FSL & 254' FWL Lot 7
 At total depth **Same as above**

8. Lease Name and Well No. **Allison Unit 123H**

9. API Well No. **30-045-35611**

10. Field and Pool or Exploratory **Basin Fruitland Coal**

11. Sec., T., R., M., on Block and Survey or Area **Sec. 09, T32N, R07W**

12. County or Parish **San Juan** 13. State **New Mexico**

14. Date Spudded **5/22/2018**

15. Date T.D. Reached **6/12/2018**

16. Date Completed 11/14/2023
 D & A Ready to Prod.

17. Elevations (DF, RKB, RT, GL)* **6629' GL**

18. Total Depth: **LAT 2: MD 4016' TVD 3131'**
LAT 2 ST 1: MD 3710' TVD 3135'

19. Plug Back T.D.: **LAT 2: MD 4016' TVD 3131'**
LAT 2 ST 1: MD 3710' TVD 3135'

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 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#	0	516.5'		280	58.8	0	28 BBLS
8-3/4"	7" L-80	23#	0	3899'		485	185.2	0	50 BBLS
6-1/4"	4-1/2" N-80	11.6	4541'	9630'		Open Hole			
6-1/4"	4-1/2" N-80	11.6	3606'	7847'		Open Hole			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2-7/8"	3716'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Fruitland Coal			Lateral 2: MD 3068' - 4016'			Open Hole
B)						
C)			Lateral 2 ST 1: MD 3477' - 3710'			Open Hole
D)						

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

Depth Interval	Amount and Type of Material

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
11/14/2023		24	→	0	1027	0	N/A	N/A	FLOWING
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
	SI-74	SI-72	→	0	1027	0	N/A		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 (Solid, 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	2378	2488	White, cr-gr ss	Ojo Alamo	2224
Kirtland	2488	2981	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	2385
Fruitland	2981	3073	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	3028

32. Additional remarks (include plugging procedure):

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 1/2/2024

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.

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

DISTRICT II
811 S. First St., Artesia, N.M. 88210
Phone: (575) 748-1283 Fax: (575) 748-9720

DISTRICT III
1000 Rio Brazos Rd., Aztec, N.M. 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

AMENDED REPORT
 AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35611	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL LATERAL #2
⁴ Property Code 318864	⁵ Property Name ALLISON UNIT	
⁷ OGRID No. 372171	⁸ Operator Name HILCORP ENERGY COMPANY	⁶ Well Number 123H
		⁹ Elevation 6629'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	9	32-N	7-W	10	1591	SOUTH	776	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	10	32-N	7-W	7	1996	SOUTH	558	WEST	SAN JUAN

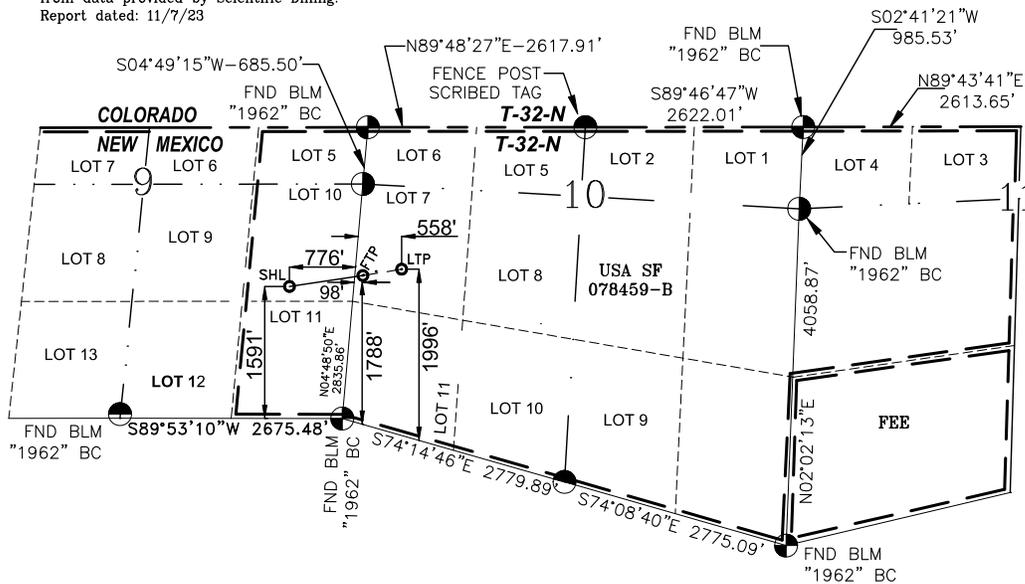
¹² Dedicated Acres FC = 759.40 ACRES	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSP - 2175
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NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16

NOTE:
Horizontal drill calculation were computed from data provided by Scientific Dilling.
Report dated: 11/7/23

FIRST TAKE BORE: N81°33'03"E - 893.50'
LATERAL #2 BORE: N80°42'44"E - 472.95'



SURFACE HOLE LOCATION (SHL)
1591' FSL 776' FEL SEC. 9
LATITUDE: 36.994741° N
LONGITUDE: 107.565072° W
NAD27

LATITUDE: 36.994746° N
LONGITUDE: 107.565681° W
NAD83

FIRST TAKE POINT (FTP)
1788' FSL 98' FWL SEC. 10
LATITUDE: 36.995095° N
LONGITUDE: 107.562044° W
NAD27

LATITUDE: 36.995099° N
LONGITUDE: 107.562653° W
NAD83

LAST TAKE POINT (LTP)/BH
1996' FSL 558' FWL SEC. 10
LATITUDE: 36.995301° N
LONGITUDE: 107.560445° W
NAD27

LATITUDE: 36.995305° N
LONGITUDE: 107.561054° W
NAD83

17 OPERATOR CERTIFICATION

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

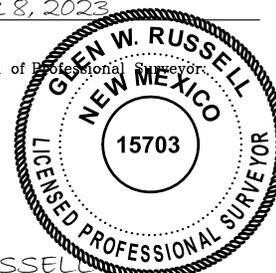
Amanda Walker 11/09/2023
Signature Date
Amanda Walker
Printed Name
mwalker@hilcorp.com
E-mail Address

18 SURVEYOR CERTIFICATION

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

NOVEMBER 8, 2023
Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL
Certificate Number 15703

DISTRICT I
1625 N. French Dr., Hobbs, N.M. 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

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Santa Fe, NM 87505

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Revised August 1, 2011
Submit one copy to appropriate
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AMENDED REPORT
 AS-DRILLED

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-045-35611	² Pool Code 71629	³ Pool Name BASIN FRUITLAND COAL LATERAL #2 ST #1
⁴ Property Code 318864	⁵ Property Name ALLISON UNIT	
⁷ OGRID No. 372171	⁸ Operator Name HILCORP ENERGY COMPANY	⁶ Well Number 123H
		⁹ Elevation 6629'

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	9	32-N	7-W	10	1591	SOUTH	776	EAST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	10	32-N	7-W	7	1883	SOUTH	254	WEST	SAN JUAN

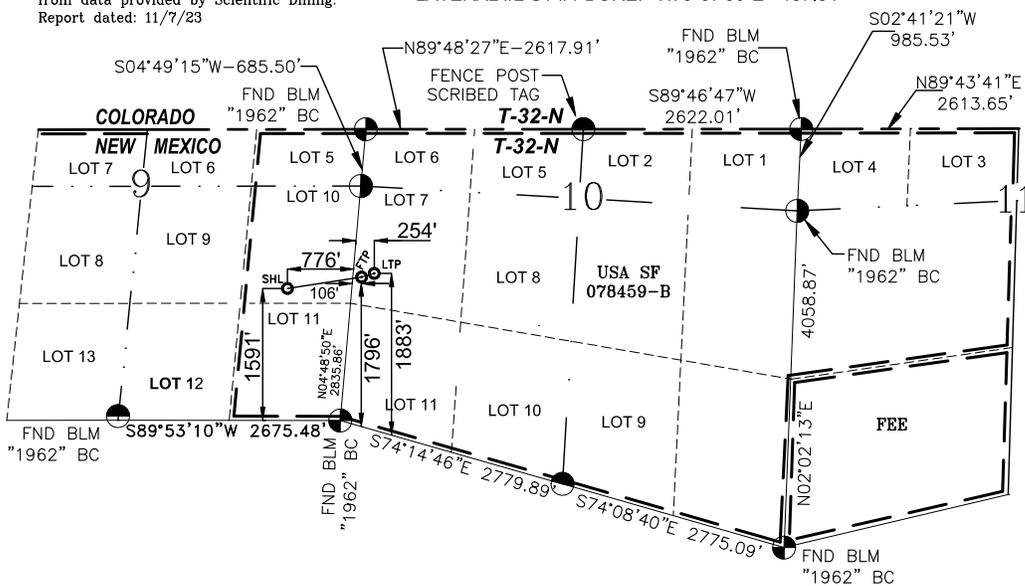
¹² Dedicated Acres FC = 759.40 ACRES	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. NSP - 2175
--	-------------------------------	----------------------------------	---------------------------------------

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

16

NOTE:
Horizontal drill calculation were computed from data provided by Scientific Dilling.
Report dated: 11/7/23

FIRST TAKE BORE: N81°17'27"E - 903.26'
LATERAL #2 ST #1 BORE: N73°37'50"E - 157.84'



SURFACE HOLE LOCATION (SHL)
1591' FSL 776' FEL SEC. 9
LATITUDE: 36.994741° N
LONGITUDE: 107.565072° W
NAD27

LATITUDE: 36.994746° N
LONGITUDE: 107.565681° W
NAD83

FIRST TAKE POINT (FTP)
1796' FSL 106' FWL SEC. 10
LATITUDE: 36.995110° N
LONGITUDE: 107.562013° W
NAD27

LATITUDE: 36.995114° N
LONGITUDE: 107.562622° W
NAD83

LAST TAKE POINT (LTP)/BH
1883' FSL 254' FWL SEC. 10
LATITUDE: 36.995231° N
LONGITUDE: 107.561494° W
NAD27

LATITUDE: 36.995235° N
LONGITUDE: 107.562103° W
NAD83

17 OPERATOR CERTIFICATION

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

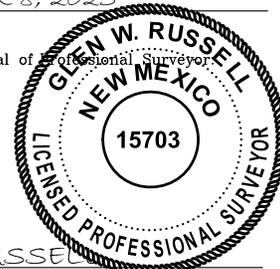
A Walker 11/09/2023
Signature Date
Amanda Walker
Printed Name
mwalker@hilcorp.com
E-mail Address

18 SURVEYOR CERTIFICATION

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

NOVEMBER 8, 2023
Date of Survey

Signature and Seal of Professional Surveyor



GLEN W. RUSSELL
Certificate Number 15703

Mandi Walker

From: blm-afmss-notifications@blm.gov
Sent: Monday, January 8, 2024 3:37 PM
To: Mandi Walker
Subject: [EXTERNAL] Well Name: ALLISON UNIT, Well Number: 123H, 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: **ALLISON UNIT**
- Well Number: **123H**
- US Well Number: **3004535611**
- Well Completion Report Id: **WCR2024010890617**

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

U.S. Department of the Interior
BUREAU OF LAND MANAGEMENT

Well Name: ALLISON UNIT

Well Location: T32N / R7W / SEC 9 /
LOT 10 / 36.994746 / -107.565681

County or Parish/State: SAN
JUAN / NM

Well Number: 123H

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMSF078459B

Unit or CA Name: ALLISON UNIT--
FRCL

Unit or CA Number:
NMNM78372C

US Well Number: 3004535611

Well Status: Producing Gas Well

Operator: HILCORP ENERGY
COMPANY

Subsequent Report

Sundry ID: 2767770

Type of Submission: Subsequent Report

Type of Action: Recompletion

Date Sundry Submitted: 01/02/2024

Time Sundry Submitted: 01:01

Date Operation Actually Began: 10/21/2023

Actual Procedure: A lateral sidetrack has been drilled in the following well within the existing Fruitland Coal formation. Please see the attached drilling operations

SR Attachments

Actual Procedure

Allison_Unit_123H_SR_Writeup_20240102130117.pdf

Well Name: ALLISON UNIT

Well Location: T32N / R7W / SEC 9 /
LOT 10 / 36.994746 / -107.565681

County or Parish/State: SAN
JUAN / NM

Well Number: 123H

Type of Well: CONVENTIONAL GAS
WELL

Allottee or Tribe Name:

Lease Number: NMSF078459B

Unit or CA Name: ALLISON UNIT--
FRCL

Unit or CA Number:
NMNM78372C

US Well Number: 3004535611

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: JAN 02, 2024 01:01 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: 01/08/2024

Signature: Kenneth Rennick

Allison Unit 123H
30-045-35611
NMSF078459B
SR Sidetrack

10/21/2023: CK PRESSURES (SITP: 50 PSI SICP: 50 PSI SIBH: 0 PSI). ND WH. NU BOP. SCAN TBG OOH. RUN GAUGE RING T/3100'. RUN CCL T/3600'. TIH & **SET RBP @ 3086'**. DMP SNAD. LOAD HOLE, PT T/600 PSI, GOOD TST.

10/23/2023: PERFORM MIT T/560 PSI FOR 30 MINS. TST WITNESSED AND PASSED BY JOHN DURHAM AND ANTHONY BUNNY/NMOCD.

10/26/2023: MIRU DRILLING RIG. RU TOP DRIVE, FT, GOOD TST.

10/27/2023: NU BOP & FT, GOOD TST. OPEN CSG VALVE. INSTALL TEST PLUG. TEST BLIND RAMS, KILL LINE INNER VALVE, CHECK VALVE, CHOKELINE INNER, HCR, CHOKE MANIFOLD VALVES, CHOKES, TIW, IBOP, TEST PIPE RAMS, 250PSI 5MIN 3000PSI 10MIN EACH. TEST ANNULAR TO 2100#, PULL TEST PLUG, PERFORM BOP DRAW DOWN TEST. (CHANGE OUT INNER VALVE ON CHOKE SIDE), TEST STAND PIPE BACK TO MUD PUMPS, NEITHER 4" PUMP VALVE WILL TEST, (TEST WITNESSED BY BLM REP CASEY ARNETTE/WANDA WETHERFORD).

10/28/2023: DRILL MOUSE HOLE. WAIT ON VALVE FOR PMP. MU MILL ASSY. TIH W/DRILL STRING. TAG RBP @ 3086'. LD 2 JTS T/3036'. CIRC 103 BBL. TOOHD LD MILLS.

10/29/2023: TIH & **SET WHIPSTOCK @ 3055'**. ORIENT TOOLFACE. MILL WINDOW 3055' – 3063'. MILL RATHOLE T/3067'. CIRC POLISHING WINDOW. RECIP THROUGH WINDOW. PU DIRECTIONAL TOOL. SET TOP DRIVE.

10/30/2023: START DRILLING LATERAL F/3068'. BACK REAM @ 3589'. ROTATE & SLIDE DRILL F/3589' T/3987'. BACKREAM F/3987' T/3550'.

10/31/2023: CONT BACKREAM F/3547' T/3245'. MIX & PMP SOLTEX & BICARB INTO SYSTEM & SWEEPS, WASH & REAM T/3440'. TOOHD. TIH & TAG @ 3440'. WRK STRING UP T/3415' & WASH BACK T/3440'. TAGGING HARD. CONFIRM ORIGINAL HOLE LOST & SIDETRACKED APPROX 3360'. CIRC HOLE CLEAN.

11/1/2023: TIH & TAG @ 3380'. WASH & REAM T/3440'. ROTATE/SLIDE DRILL F/3440' T/3635' CIRC HOLE CLEAN. BACKREAM F/3710' T/3276'. REAM IN THE HOLE F/3395' T/3538'. BACKREAM F/3538 T/3301'. **EMAIL SENT TO BLM/NMOCD TO NOTIFY OF HOLE COLLAPSE, AND REDRILL OF LATERAL.**

11/2/2023: REAM IN HOLE F/3301' T/3987'. LOST DRILLING PARAMETERS. ATTEMPTS TO REGAIN ROP. LOST 150 PSI SPP. UNABLE TO DRILL AHEAD. TOOHD T/3330'. TOOHD. LD MWD. FOUND MUD MOTOR HAS PARTED LEAVING STATOR, IN HOLE. TIH W/FISHING ASSY UNABLE TO RECOVER DUE TO HOLE COLLAPSE. **EMAIL SENT TO BLM/NMOCD WITH FULL LIST OF ITEMS LEFT IN HOLE.**

11/3/2023: TIH W/WHIPSTOCK RETRIEVAL HOOK. WORK WHIPSTOCK, PULL LOOSE. **TOOH W/WHIPSTOCK.** TOOHD W/DRILL STRING.

11/4/2023 RELEASE DRILLING RIG @ 18:00 HRS.

11/6/2023: MIRU. CK PRESSURES (SICP-550 PSI, SITP 0 PSI, SIBHP-0). ND WH. NU BOP, FT, GOOD TST. MU MULE SHOE.

Allison Unit 123H
30-045-35611
NMSF078459B
SR Sidetrack

11/7/2023: CK PRESSURES (SITP- 0 PSI. SICP- 0 PSI. SIBHP 0 PSI). TALLY & TIH W/TBG. TAG RBP, ROTATE ENTER WINDOW. UNLOAD WELL @ 1500'. CONT TIH & TAG @ 3392'. RU PWR SWVL. CO F/3392' T/3428'. TOO H W/MULE SHOE. TIH & ROTATE THROUGH WINDOW. CONT TIH W/TBG & TAG @ 3356'.

11/8/2023: CK PRESSURES (SITP- 0 PSI. SICP- 30 PSI. SIBHP 0 PSI). TIH & TAG @ 3356'. RU PWR SWVL. EST CIRC. ATTEMPT TO CO. NO PROGRESS @ 3356'. TOO H. TIH W/BULL PLUG & BENT JT. TAAG @ 3079'. ROTATE & ENTER WINDOW & TAG @ 3352'. EST CIRC. CO. NO PROGRESS @ 3428'.

11/9/2023: CK PRESSURES (SITP- 0 PSI. SICP- 45 PSI. SIBHP 0 PSI). TIH & TAG @ 3079'. CO F/3079 T/3089'. **LATCH & TOO H W/RBP.** MU MULE SHOE W/BENT JT. TAGGED @ 3415'. ENTERED UPPER LATERAL. ROTATE TBG TAG # 3838'. 61' OF FILL. TOO H W/5 STANDS. ROTATE TBG & ENTERED LOWER WINDOW. TAG @ 7736'. EST CIRC. CO F/7736' T/7846'.

11/10/2023: CK PRESSURES (SITP- 0 PSI. SICP- 60 PSI. SIBHP 0 PSI). LD 141 JTS. MU PRODUCTION BHA. TIH W/114 JTS 2 7/8" 4.7# J55 PROD TBG. EOT @ 3716'. SN @ 3690', PBD @ 3849'. ND BOP. NU WH. STROKE TST @ SURF.

11/11/2023: CK PRESSURES (SITP- 0 PSI. SICP- 90 PSI. SIBHP 0 PSI). SPACE OUT RODS. LOAD TBG W/14 BBLs OF H2O, PT T/1100 PSI, GOOD TST. BLEED DWN PRESSURE T/200 PSI, LONG STROKE PMP T/1100 PSI W/RIG. GOOD TST. LOCK IN POLISH ROD W/10' STICK UP. HAND OVER WELL TO OPERATIONS.

ALLISON UNIT 123H

AS DRILLED LATERAL WBD
DRAWING NOT TO SCALE

State: NM
County: San Juan
API: 3004535611
GL: 6,629'
KB: 17'



12-1/4" Surface Hole to 522' MD
9-5/8" 32.3# H40 ST&C set at 517' MD
Cement to surface

Window: 3,055-3,063' MD /
2,935-2,945' TVD

RBP @ 3,071' MD

Window: 3,589-3,599' MD /
3,224-3,228' TVD

8-3/4" Hole TD @ 3,921' MD
7" 23# L80 LT&C set at 3,899' MD/3,363' TVD
Cement to surface
PBTD 3,850'

OH LAT 2 ST 1 3,477 to 3,710' MD', TD @ ~3135' TVD
6-1/4" hole

OH LAT 2 3,068 to 4,016' MD, TD @ ~3131' TVD
6-1/4" hole

▶▶▶▶▶▶

- Partial mud motor (stator + bend housing + drive assy)
- PDC bit

Liner*: TOL @ 4,541' MD
TD @ 9,647' MD / 3,208' TVD

TD @ 9,647' MD /
3,208' TVD

Liner*: TOL @ 3,606' MD
TD @ 7,847' MD / 3,231' TVD

TD @ 10,150' MD /
3,223' TVD

*6-1/4" hole
4-1/2" 11.6# J55 casing
Pre-Perforated Drop-off liner

Original Wellbore		
Formation	MD	TVD
OJO	2,378'	2,366'
KIRTLAND	2,488'	2,468'
FRUITLAND	2,981'	2,880'

HILCORP
030-045-35611



Mandi Walker

From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Wednesday, November 1, 2023 6:02 PM
To: Scott Anderson; Kuehling, Monica, EMNRD; Rikala, Ward, EMNRD; Kade, Matthew H
Cc: Clay Padgett; JP Knox; Mandi Walker; Priscilla Shorty; Ben Mitchell; Christian Zuvich; Cameron Garrett; Amanda Atencio; Craig Lingo; Chris Tomlinson; Luke Keller
Subject: Re: [EXTERNAL] Hilcorp: Allison Unit 123H (API: 3004535611) - Sidetrack

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Thank you for the information, Scott. Considering that there are no significant changes to the approved notice of work and all work is in the Fruitland, noting the collapse in the subsequent report is indeed all the BLM will require.

Thank you, again!

Kenny Rennick

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: Scott Anderson <sanderson@hilcorp.com>
Sent: Wednesday, November 1, 2023 2:37 PM
To: Kuehling, Monica, EMNRD <monica.kuehling@state.nm.us>; Rennick, Kenneth G <krennick@blm.gov>; Rikala, Ward, EMNRD <Ward.Rikala@emnrn.nm.gov>; Kade, Matthew H <mkade@blm.gov>
Cc: Clay Padgett <cpadgett@hilcorp.com>; JP Knox <jknox@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>; Priscilla Shorty <pshorty@hilcorp.com>; Ben Mitchell <bemitchell@hilcorp.com>; Christian Zuvich <Christian.Zuvich@hilcorp.com>; Cameron Garrett <cgarrett@hilcorp.com>; Amanda Atencio <Amanda.Atencio@hilcorp.com>; Craig Lingo <clingo@hilcorp.com>; Chris Tomlinson <ctomlinson@hilcorp.com>; Luke Keller <lkeller@hilcorp.com>
Subject: [EXTERNAL] Hilcorp: Allison Unit 123H (API: 3004535611) - Sidetrack

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Monica, Kenny, Matthew – As a heads up, we started drilling the sidetrack on 10/29, however tripped for a new BHA and found the hole collapsed at 3440', roughly 400-500 feet above our current TD, when we got back in the sidetrack. The window is still fully intact and the upper part of the sidetrack was not affected. We are currently redrilling the hole following the very near to the original plan. This information will be included in the subsequent.

Scott Anderson
San Juan North – Operations Engineer
Hilcorp Energy Company
W: 713-289-2772
C: 248-761-3965

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Mandi Walker

From: Rennick, Kenneth G <krennick@blm.gov>
Sent: Wednesday, November 8, 2023 2:37 PM
To: Kuehling, Monica, EMNRD; Scott Anderson; Rikala, Ward, EMNRD; Kade, Matthew H
Cc: Clay Padgett; JP Knox; Mandi Walker; Priscilla Shorty; Ben Mitchell; Christian Zuvich; Cameron Garrett; Amanda Atencio; Craig Lingo; Chris Tomlinson; Luke Keller
Subject: Re: [EXTERNAL] RE: Hilcorp: Allison Unit 123H (API: 3004535611) - Sidetrack

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Thank you for the information, Scott.

Kenny Rennick

Kenneth (Kenny) Rennick

Petroleum Engineer

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From: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>
Sent: Wednesday, November 8, 2023 1:22 PM
To: Scott Anderson <sanderson@hilcorp.com>; Rennick, Kenneth G <krennick@blm.gov>; Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>; Kade, Matthew H <mkade@blm.gov>
Cc: Clay Padgett <cpadgett@hilcorp.com>; JP Knox <jknox@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>; Priscilla Shorty <pshorty@hilcorp.com>; Ben Mitchell <bemitchell@hilcorp.com>; Christian Zuvich <Christian.Zuvich@hilcorp.com>; Cameron Garrett <cgarrett@hilcorp.com>; Amanda Atencio <Amanda.Atencio@hilcorp.com>; Craig Lingo <clingo@hilcorp.com>; Chris Tomlinson <ctomlinson@hilcorp.com>; Luke Keller <lkeller@hilcorp.com>
Subject: RE: [EXTERNAL] RE: Hilcorp: Allison Unit 123H (API: 3004535611) - Sidetrack

Thank you

From: Scott Anderson <sanderson@hilcorp.com>
Sent: Wednesday, November 8, 2023 1:19 PM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>; Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>; mkade@blm.gov

Cc: Clay Padgett <cpadgett@hilcorp.com>; JP Knox <jknox@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>; Priscilla Shorty <pshorty@hilcorp.com>; Ben Mitchell <bemitchell@hilcorp.com>; Christian Zuvich <Christian.Zuvich@hilcorp.com>; Cameron Garrett <cgarrett@hilcorp.com>; Amanda Atencio <Amanda.Atencio@hilcorp.com>; Craig Lingo <clingo@hilcorp.com>; Chris Tomlinson <ctomlinson@hilcorp.com>; Luke Keller <lkeller@hilcorp.com>
 Subject: RE: [EXTERNAL] RE: Hilcorp: Allison Unit 123H (API: 3004535611) - Sidetrack

Monica, Kenny, Ward and Matthew – Attached is the latest WBD on the Allison 123H. Below is a summary of what we encountered with the drilling rig:

- Set whipstock on RBP at 3071'
- Milled window f/ 3055-3063'
- Drilled 6-1/4" hole with steerable PDC to 3045', weight up to 8.4ppg, reamed and milled to 3068'
- Drilled to 3589', seeing losses up to 75 bph, backreamed thru hi-torque section, losses increased to 160 bph
- KO air, drilled to 3987', losses at 175 bph, weight up to 9ppg
- Backreamed to 3550', stuck pipe at 3547, freed up
- Backreamed to 3245', losses at 70 bph, added bicarb+Soltex in sweeps
- Reamed down to 3440', TOOH
- RIH w/ 6-1/4" bit + slick assy, hard tag at 3440', TOOH – ORIGINAL HOLE LOST
- RIH w/ 6-1/4" steerable PDC, tagged at 3380', washed and reamed to 3440'
- Drilled to 3710', weight up to 9ppg - SIDETRACK
- Backreamed to 3276', packing off, weight up to 9.15ppg
- Reamed to 3538'
- Backreamed to 3301'
- Reamed to 3987' – FOUND ORIGINAL HOLE
- Drilled to 4016', stopped making hole, TOOH – LOST MUD MOTOR (PARTIAL) + PDC BIT
- RIH w/ fishing tools, tagged 3710' – IN SIDETRACK HOLE
- Pulled whipstock

Scott Anderson
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 Hilcorp Energy Company
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From: Kuehling, Monica, EMNRD <monica.kuehling@emnr.d.nm.gov>
 Sent: Friday, November 3, 2023 10:56 AM
 To: Scott Anderson <sanderson@hilcorp.com>; Rennick, Kenneth G <krennick@blm.gov>; Rikala, Ward, EMNRD <Ward.Rikala@emnr.d.nm.gov>; mkade@blm.gov
 Cc: Clay Padgett <cpadgett@hilcorp.com>; JP Knox <jknox@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>; Priscilla Shorty <pshorty@hilcorp.com>; Ben Mitchell <bemitchell@hilcorp.com>; Christian Zuvich <Christian.Zuvich@hilcorp.com>; Cameron Garrett <cgarrett@hilcorp.com>; Amanda Atencio <Amanda.Atencio@hilcorp.com>; Craig Lingo <clingo@hilcorp.com>; Chris Tomlinson <ctomlinson@hilcorp.com>; Luke Keller <lkeller@hilcorp.com>
 Subject: RE: [EXTERNAL] RE: Hilcorp: Allison Unit 123H (API: 3004535611) - Sidetrack

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Scott

Please send an updated schematic before continuing. – include detailed information on what has been done so far.

Thank you

Monica Kuehling
Compliance Officer Supervisor
Deputy Oil and Gas Inspector
New Mexico Oil Conservation Division
North District
Office Phone: 505-334-6178 ext. 123
Cell Phone: 505-320-0243
Email - monica.kuehling@emnrd.nm.gov

From: Scott Anderson <sanderson@hilcorp.com>
Sent: Friday, November 3, 2023 9:42 AM
To: Kuehling, Monica, EMNRD <monica.kuehling@emnrd.nm.gov>; Rennick, Kenneth G <krennick@blm.gov>; Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>; mkade@blm.gov
Cc: Clay Padgett <cpadgett@hilcorp.com>; JP Knox <jknox@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>; Priscilla Shorty <pshorty@hilcorp.com>; Ben Mitchell <bemitchell@hilcorp.com>; Christian Zuvich <Christian.Zuvich@hilcorp.com>; Cameron Garrett <cgarrett@hilcorp.com>; Amanda Atencio <Amanda.Atencio@hilcorp.com>; Craig Lingo <clingo@hilcorp.com>; Chris Tomlinson <ctomlinson@hilcorp.com>; Luke Keller <lkeller@hilcorp.com>
Subject: [EXTERNAL] RE: Hilcorp: Allison Unit 123H (API: 3004535611) - Sidetrack

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Monica, Kenny, Matthew – Here is another update on the Allison 123H sidetrack. We lost the motor and bit off the drilling assembly yesterday. We made an attempt to fish the tools out, but were not successful as a result of hole collapse. I can provide the full list of what was left downhole if you would like, however, we will plan to provide it in the final sundry. In addition, given the issues we have had so far with trying to stabilize the hole we are going to abandon this attempt to reach our planned TD, leave what we were able to drill of the upper lateral as an open hole completion, and return the well to production in the upper and lower laterals. Thank you!

Scott Anderson
San Juan North – Operations Engineer
Hilcorp Energy Company
W: 713-289-2772
C: 248-761-3965

From: Scott Anderson
Sent: Wednesday, November 1, 2023 3:37 PM
To: Kuehling, Monica, EMNRD <monica.kuehling@state.nm.us>; Rennick, Kenneth G <krennick@blm.gov>; Rikala, Ward, EMNRD <Ward.Rikala@emnrd.nm.gov>; mkade@blm.gov
Cc: Clay Padgett <cpadgett@hilcorp.com>; JP Knox <jknox@hilcorp.com>; Mandi Walker <mwalker@hilcorp.com>; Priscilla Shorty <pshorty@hilcorp.com>; Ben Mitchell <bemitchell@hilcorp.com>; Christian Zuvich <Christian.Zuvich@hilcorp.com>; Cameron Garrett <cgarrett@hilcorp.com>; Amanda Atencio <Amanda.Atencio@hilcorp.com>; Craig Lingo <clingo@hilcorp.com>; Chris Tomlinson <ctomlinson@hilcorp.com>; Luke

Keller <lkeller@hilcorp.com>

Subject: Hilcorp: Allison Unit 123H (API: 3004535611) - Sidetrack

Monica, Kenny, Matthew – As a heads up, we started drilling the sidetrack on 10/29, however tripped for a new BHA and found the hole collapsed at 3440', roughly 400-500 feet above our current TD, when we got back in the sidetrack. The window is still fully intact and the upper part of the sidetrack was not affected. We are currently redrilling the hole following the very near to the original plan. This information will be included in the subsequent.

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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 301372

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 301372
	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.

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 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720

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 1000 Rio Brazos Rd., Aztec, NM 87410
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 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 301372

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 301372
	Action Type: [C-104] Completion Packet (C-104C)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	None	1/26/2024