

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: Zachry 29	Property Code: 318769
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal	API Number: 30-045-25503
Pool Name: Basin Fruitland Coal	Pool Code: 71629

**Section 2 – Surface Location**

UL C	Section 33	Township 29N	Range 10W	Lot	Ft. from N/S 937' N	Ft. from E/W 1785' W	Latitude 36.6872559	Longitude -107.8927994	County San Juan
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**Section 3 – Completion Information**

Producing Method FLOWING	Ready Date 7/23/2024	Perforations MD 1709' – 1854'	Perforations TVD 1709' – 1854'
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**Section 4 – Action IDs for Submissions and Order Numbers**

List Action IDs for Drilling Sundries	Was an Order required / needed (Y/N), if yes list Order number:
C-104 RT Action ID (if C-104NW): PREVIOUS TO SYSTEM	Communitization Agreement <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Surface Casing Action ID: PREVIOUS TO SYSTEM	Unit: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Intermediate 1 Casing Action ID: PREVIOUS TO SYSTEM	Compulsory Pooling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Intermediate 2 Casing Action ID: PREVIOUS TO SYSTEM	Down Hole Commingling: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No, Order No. DHC 5396
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 checked="" 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 	
Title: Operations Regulatory Tech Sr.	Date 8/27/2024

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. <b>NMSF080724A</b>	
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: <b>Recomplete</b>										7. Unit or CA Agreement Name and No.	
2. Name of Operator <b>Hilcorp Energy Company</b>										8. Lease Name and Well No. <b>Zachry 29</b>	
3. Address <b>382 Road 3100, Aztec, NM 87410</b>					3a. Phone No. (include area code) <b>(505) 599-3400</b>					9. API Well No. <b>30-045-25503</b>	
4. Location of Well (Report location clearly and in accordance with Federal requirements)*  At surface <b>C (NENW) 937' FNL &amp; 1785' FWL</b>  At top prod. Interval reported below  At total depth										10. Field and Pool or Exploratory <b>Basin Fruitland Coal</b>	
										11. Sec., T., R., M., on Block and Survey or Area <b>Sec. 33, T29N, R10W</b>	
										12. County or Parish <b>San Juan</b>	13. State <b>New Mexico</b>
14. Date Spudded <b>12/3/1982</b>			15. Date T.D. Reached <b>12/13/1982</b>			16. Date Completed <b>7/23/2024</b> <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod.			17. Elevations (DF, RKB, RT, GL)* <b>5620' GR</b>		
18. Total Depth: <b>5998'</b>				19. Plug Back T.D.: <b>New PBTD 2010' as of 10/03/2003</b>				20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>CBL</b>								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		
14 3/4"	10 3/4", H-40	40.5#		316'		295 cu ft.					
9 7/8"	7 5/8", K-55	26.4#		5345'		2393 cu ft.					
6 3/4"	5 1/2", K-55	15.5#	5158'	5998'		190 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"	1965'										
25. Producing Intervals											
Formation		Top	Bottom	Perforated Interval		Size	No. Holes	Perf. Status			
A) Fruitland Coal - Upper		1709'	1785'	4 SPF		0.29"	124	Open			
B) Fruitland Coal - Lower		1842'	1854'	4 SPF		0.44"	48	Open			
C)											
D)											
27. Acid, Fracture, Treatment, Cement Squeeze, etc.											
Depth Interval			Amount and Type of Material								
Fruitland Coal - Upper			FRAC AT 50 BPM W/ 70Q N2 FOAM. TOTAL LOAD: 936 BBLS SLICKWATER: 912 BBLS TOTAL ACID: 24 BBLS TOTAL 100 MESH SAND: 7,202 LBS TOTAL 40/70 SAND: 75,849 LBS TOTAL N2: 679,000 SCF								
Fruitland Coal - Lower			FRAC AT 50 BPM W/ 70Q N2 FOAM. TOTAL LOAD: 325 BBLS SLICKWATER: 313 BBLS TOTAL ACID: 12 BBLS TOTAL 100 MESH SAND: 2,810 LBS TOTAL 40/70 SAND: 22,593 LBS TOTAL N2: 230,000 SCF								
28. Production - Interval A											
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method		
7/23/2024	7/23/2024	11	➡	0	34	0			Flowing		
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status			
26/64"	SI - 0	SI - 50	➡	0	74	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
Ojo Alamo	678'	832'	White, cr-gr ss	Ojo Alamo	678'
Kirtland	832'	1491'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	832'
Fruitland	1491'	1868'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	1491'
Pictured Cliffs	1868'	1945'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	1868'
Lewis	1945'	2840'	Shale w/ siltstone stingers	Lewis	1945'
Chacra	2840'	3440'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	2840'
Cliffhouse	3440'	3572'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	3440'
Menefee	3572'	4170'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	3572'
Point Lookout	4170'	4528'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4170'
Mancos	4528'	5395'	Dark gry carb sh.	Mancos	4528'
Gallup	5395'	'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5395'
Greenhorn	'	'	Highly calc gry sh w/ thin lmst.	Greenhorn	'
Graneros	'	'	Dk gry shale, fossil & carb w/ pyrite incl.	Graneros	'
Dakota	'	'	Lt to dark gry foss carb sl calc sl sity ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	'
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 FC/PC commingle under DHC 5396**

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

☒ Electrical/Mechanical Logs (1 full set req'd.)☐ Geologic Report☐ DST Report☐ Directional Survey

☐ Sundry Notice for plugging and cement verification☐ Core Analysis☐ Other:

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

Name (please print)

Amanda Walker

Title

Operations/Regulatory Technician - Sr.

Signature

Date

8/12/2024

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.

	✓	APD ID	WCR ID	BLM Office	Operator	Well Name	Well Number	US Well Number	Application Status
						zach	29		
	✓	96AIR6648BFEF	92637	Farmington	HILCORP ENERGY COMPANY	ZACHRY	29	3004525503	Accepted

My Monitor for WCRID: 92637

Operator Name

HILCORP ENERGY COMPANY

Well Name

ZACHRY

Well Number

29

US Well Number

3004525503

SHL

ALIQUOT: NENW SEC: 33 TWN: 29N RNG: 10W

County

SAN JUAN

State

NM

Lease Number(s)

NMSF080724A

Well Type

CONVENTIONAL GAS WELL

Well Status

PGW

Agreement Name

Agreement Number(s)

Allottee/Tribe

Well Pad Name

Well Pad Number

APD ID |

96AIR6648BFEF

Well Completion Print Report

3160-4 Report

WCRs Worksheet		Process Model		View all process activities in chronological order.				
ID	Status	Activity	Completed By	Participant	Created Date	Deadline	Completed Date	
101	Completed	Submit Well Completion Report	AMANDA WALKER	AMANDA WALKER	2024/8/12 8:03:00 AM		2024/8/12 8:13:00 AM	
103	Completed	Initial Review	KENNETH G RENNICK	Adjudicator	2024/8/12 8:13:00 AM		2024/8/12 10:17:00 AM	
105	Completed	Engineer Review	KENNETH G RENNICK	Engineer	2024/8/12 10:17:00 AM		2024/8/12 10:21:00 AM	

Well Name: ZACHRY	Well Location: T29N / R10W / SEC 33 / NENW / 36.687347 / -107.892059	County or Parish/State: SAN JUAN / NM
Well Number: 29	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF080724A	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004525503	Operator: HILCORP ENERGY COMPANY	

Subsequent Report

Sundry ID: 2806440

Type of Submission: Subsequent Report	Type of Action: Recompletion
Date Sundry Submitted: 08/12/2024	Time Sundry Submitted: 12:15
Date Operation Actually Began: 07/08/2024	

**Actual Procedure:** The following well has been recompleted into the Fruitland Coal and is now producing as a DHC with the existing Pictured Cliffs. Please see the attached for the recompletion operations.

SR Attachments

Actual Procedure

Zachry\_29\_SR\_RC\_Writeup\_20240812121439.pdf

Well Name: ZACHRY	Well Location: T29N / R10W / SEC 33 / NENW / 36.687347 / -107.892059	County or Parish/State: SAN JUAN / NM
Well Number: 29	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF080724A	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004525503	Operator: HILCORP ENERGY COMPANY	

Operator

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

Operator Electronic Signature: AMANDA WALKER

Signed on: AUG 12, 2024 12:14 PM

Name: HILCORP ENERGY COMPANY

Title: Operations/Regulatory Technician

Street Address: 1111 TRAVIS ST

City: HOUSTONState: TX

Phone: (346) 237-2177

Email address: MWALKER@HILCORP.COM

Field

Representative Name:

Street Address:

City:State:Zip:

Phone:

Email address:

BLM Point of Contact

BLM POC Name: KENNETH G RENNICK

BLM POC Title: Petroleum Engineer

BLM POC Phone: 5055647742

BLM POC Email Address: krennick@blm.gov

Disposition: Accepted

Disposition Date: 08/12/2024

Signature: Kenneth Rennick

Form 3160-5  
(June 2019)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: October 31, 2021

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.	
6. If Indian, Allottee or Tribe Name	
7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	
9. API Well No.	
10. Field and Pool or Exploratory Area	
11. Country or Parish, State	

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION				
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off	
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity	
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other	
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon		
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal		

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be perfonned or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has detennined that the site is ready for final inspection.)

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	Title
Signature	Date

THE SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Office	

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.

(Instructions on page 2)

## GENERAL INSTRUCTIONS

This form is designed for submitting proposals to perform certain well operations and reports of such operations when completed as indicated on Federal and Indian lands pursuant to applicable Federal law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local area or regional procedures and practices, are either shown below, will be issued by or may be obtained from the local Federal office.

## SPECIFIC INSTRUCTIONS

*Item 4* - Locations on Federal or Indian land should be described in accordance with Federal requirements. Consult the local Federal office for specific instructions.

*Item 13*: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by the local Federal office. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to the top of any tubing left in the hole; method of closing top of well and date well site conditioned for final inspection looking for approval of the abandonment. If the proposal will involve **hydraulic fracturing operations**, you must comply with 43 CFR 3162.3-3, including providing information about the protection of usable water. Operators should provide the best available information about all formations containing water and their depths. This information could include data and interpretation of resistivity logs run on nearby wells. Information may also be obtained from state or tribal regulatory agencies and from local BLM offices.

## NOTICES

The privacy Act of 1974 and the regulation in 43 CFR 2.48(d) provide that you be furnished the following information in connection with information required by this application.

AUTHORITY: 30 U.S.C. 181 et seq., 351 et seq., 25 U.S.C. 396; 43 CFR 3160.

PRINCIPAL PURPOSE: The information is used to: (1) Evaluate, when appropriate, approve applications, and report completion of subsequent well operations, on a Federal or Indian lease; and (2) document for administrative use, information for the management, disposal and use of National Resource lands and resources, such as: (a) evaluating the equipment and procedures to be used during a proposed subsequent well operation and reviewing the completed well operations for compliance with the approved plan; (b) requesting and granting approval to perform those actions covered by 43 CFR 3162.3-2, 3162.3-3, and 3162.3-4; (c) reporting the beginning or resumption of production, as required by 43 CFR 3162.4-1(c) and (d) analyzing future applications to drill or modify operations in light of data obtained and methods used.

ROUTINE USES: Information from the record and/or the record will be transferred to appropriate Federal, State, local or foreign agencies, when relevant to civil, criminal or regulatory investigations or prosecutions in connection with congressional inquiries or to consumer reporting agencies to facilitate collection of debts owed the Government.

EFFECT OF NOT PROVIDING THE INFORMATION: Filing of this notice and report and disclosure of the information is mandatory for those subsequent well operations specified in 43 CFR 3162.3-2, 3162.3-3, 3162.3-4.

The Paperwork Reduction Act of 1995 requires us to inform you that:

The BLM collects this information to evaluate proposed and/or completed subsequent well operations on Federal or Indian oil and gas leases.

Response to this request is mandatory.

The BLM would like you to know that you do not have to respond to this or any other Federal agency-sponsored information collection unless it displays a currently valid OMB control number.

**BURDEN HOURS STATEMENT:** Public reporting burden for this form is estimated to average 8 hours per response, including the time for reviewing instructions, gathering and maintaining data, and completing and reviewing the form. Direct comments regarding the burden estimate or any other aspect of this form to U.S. Department of the Interior, Bureau of Land Management (1004-0137), Bureau Information Collection Clearance Officer (WO-630), 1849 C St., N.W., Mail Stop 401 LS, Washington, D.C. 20240

## Additional Information

### Location of Well

0. SHL: NENW / 937 FNL / 1785 FWL / TWSP: 29N / RANGE: 10W / SECTION: 33 / LAT: 36.687347 / LONG: -107.892059 ( TVD: 0 feet, MD: 0 feet )

BHL: NENW / 937 FNL / 1785 FWL / TWSP: 29N / SECTION: / LAT: 36.687347 / LONG: 107.892059 ( TVD: 0 feet, MD: 0 feet )



## Well Operations Summary L48

Well Name: ZACHRY #29

API: 3004525503

Field: BLANCO MV (PRO #0078

State: NEW MEXICO

Permit to Drill (PTD) #:

Sundry #:

Rig/Service: MESA PRODUCTION

## Jobs

Actual Start Date: 7/8/2024

End Date: 7/23/2024

Report Number

Report Start Date

Report End Date

1

7/8/2024

7/8/2024

## Operation

ACCEPT HEC #103 AT 06:00 ON 7/8/24. CREW TRAVELED TO LOCATION.

MOB FROM THE HILCORP YARD TO THE ZACHRY #29 (15 MILE MOVE).

SPOT RIG AND EQUIPMENT. RIG UP RIG AND EQUIPMENT. BDW.

SITP: 10 PSI

SICP: 10 PSI

SIBHP: 0 PSI

BDW: 5 MIN

N/D WH. N/U BOP. R/U RIG FLOOR. FUNCTION TEST AND PRESSURE TEST BOP (GOOD).

PULL TUBING HANGER.

TIH TO 1968' (NO TAG). L/D TAG JT. TOH WITH TUBING. L/D BHA. P/U 6-3/4" SCRAPER. TALLY AND TIH WITH TUBING TO 1942'. TOH WITH TUBING. L/D 6-3/4" SCRAPER.

R/U WRLN. RIH AND SET BRIDGE PLUG AT 1864'. POH. R/D WRLN.

TIH WITH TUBING TO 1811'.

LOAD AND PRESSURE TEST CASING TO 560 PSI (GOOD).

L/D TUBING STRING.

R/U WRLN. RIH AND RUN CBL FROM 0' TO 1864' AND CNL FROM 1600' TO 1864'. POH. R/D WRLN.

SHUT IN WELL. SECURED LOCATION. DEBRIEFED CREW. SDFN.

CREW TRAVELED HOME.

Report Number

Report Start Date

Report End Date

2

7/9/2024

7/9/2024

## Operation

CREW TRAVELED TO LOCATION.

HELD PRE JOB SAFETY MEETING.

WAIT ON NMOCD REPRESENTATIVE.

R/U WELLCHECK. CONDUCT MIT ON CASING TO 560 PSI. TEST WITNESSED AND PASSED BY ANTHONY BUNNY WITH NMOCD. TESTED CASING FROM 0' TO 1864'.

R/U TWG. PERF STAGE #1 (FRC) INTERVAL WITH 48 SHOTS, 0.44" DIA, 3-1/8" RTG GUN, SELECT FIRE 4 SPF 90 DEGREE PHASING AT 1842'-1854'.

ALL SHOTS FIRED.

POH.

RIH AND SET CFP AT 1810'. POH. R/D TWG.

P/U 7-5/8" X 3-1/2" ASI-X PACKER. TALLY AND P/U 3-1/2" P-110 EUE FRAC STRING (HYDRO TESTING TO 8000 PSI). R/D WELLCHECK. SET PACKER WITH 15K COMPRESSION.

LOAD CASING WITH 50 BBLS. PRESSURE TEST CASING TO 500 PSI (GOOD). PUMP 30 BBLS AT 3 BPM DOWN TUBING AND MONITOR CASING PRESSURE. UNABLE TO GET POSITIVE TEST DUE TO TRAPPED AIR IN CASING FROM TOP LOADING AFTER PERFORATING.

SHUT IN WELL. SECURED LOCATION. DEBRIEFED CREW. SDFN.

CREW TRAVELED HOME.

Report Number

Report Start Date

Report End Date

3

7/10/2024

7/10/2024

## Operation

GATHER RIG SUPPLIES, TRAVEL TO WELLSITE

FILL CASING BY TUBING ANNULUS, PRESSURE TO 600 PSI, BLEED DOWN TO 200 PSI, PUMP DOWN TUBING ANNULUS TO 600 PSI, NO CHANGE ON CASING, BLEED PRESSURE OFF TUBING OPEN CASING TO PIT, PUMP DOWN TUBING TO 600 PSI, NO COMMUNICATION TO CASING

NIPPLE DOWN BOPE, NIPPLE UP FRAC STACK

RIG DOWN SERVICE UNIT, LOAD OUT TO MOVE OFF, MOVE OFF

Report Number

Report Start Date

Report End Date

4

7/18/2024

7/18/2024

## Operation

MOVE IN SPOT AND R/U GORE N2 AND THE WIRELINE GROUP.

COOL DOWN. PRIME EQUIPMENT. PRESSURE TEST FLUID LINES TO 7800 PSI. GOOD TEST. PRESSURE TEST N2 LINES TO 7800 PSI. GOOD TEST.

HELD PRE JOB SAFETY MEETING WITH ALL PERSONAL ON LOCATION.



Well Operations Summary L48

Well Name: ZACHRY #29

API: 3004525503	Field: BLANCO MV (PRO	#0078	State: NEW MEXICO
	Sundry #:		Rig/Service: MESA PRODUCTION

Operation

FRUITLAND COAL STIMULATION: (1842' TO 1854')

FRAC AT 50 BPM W/ 70Q N2 FOAM.  
TOTAL LOAD: 325 BBLS  
SLICKWATER: 313 BBLS  
TOTAL ACID: 12 BBLS  
TOTAL 100 MESH SAND: 2,810 LBS  
TOTAL 40/70 SAND: 22,593 LBS  
TOTAL N2: 230,000 SCF  
AVERAGE RATE: 50.1 BPM  
MAX RATE: 50.7 BPM  
AVERAGE PRESSURE: 1,923 PSI  
MAX PRESSURE: 2,127 PSI  
MAX SAND CONC: 2.5 PPG DOWNHOLE.  
ISIP: 1028 PSI  
5 MIN: 415 PSI

DROP 2.25" BALL. GOOD BALL ACTION. PT PLUG TO 1000 PSI (GOOD).

PERF STAGE #2 (FRC) INTERVAL WITH 124 SHOTS, 0.29" DIA, 2" RTG GUN, SELECT FIRE 4 SPF 90 DEGREE PHASING AT 1709'-1785'.

ALL SHOTS FIRED.

POH. R/D WRLN LUBRICATOR.

FRUITLAND COAL STIMULATION: (1709' TO 1785')

FRAC AT 50 BPM W/ 70Q N2 FOAM.  
TOTAL LOAD: 936 BBLS  
SLICKWATER: 912 BBLS  
TOTAL ACID: 24 BBLS  
TOTAL 100 MESH SAND: 7,202 LBS  
TOTAL 40/70 SAND: 75,849 LBS  
TOTAL N2: 679,000 SCF  
AVERAGE RATE: 50.3 BPM  
MAX RATE: 51.2 BPM  
AVERAGE PRESSURE: 1,866 PSI  
MAX PRESSURE: 2,532 PSI  
MAX SAND CONC: 2.5 PPG DOWNHOLE.  
ISIP: 862 PSI  
5 MIN: 666 PSI

DROPPED (81) TTS PERF PODS IN THE MIDDLE OF THE STAGE. AVE OF 500 PSI PRESSURE INCREASE SEEN.

SHUT IN WELL. SECURED LOCATION.

RIG DOWN FRAC, N2 AND WIRELINE EQUIPMENT.

Report Number 5	Report Start Date 7/20/2024	Report End Date 7/20/2024
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Operation

ACCEPT HEC #103 @ 12:00 ON 7/20/2024. MOB RIG FROM THE THREE STATES COM LS #1A TO THE ZACHRY #29 (29 MILE MOVE)

R/U RIG AND EQUIPMENT. CHECK WELL PRESSURES,

BH- 0 PSI,  
CSG- 0 PSI,  
TBG- 175

LAY OUT FLOW LINES. R/U BIG RED CHOKE IRON. BLEED DOWN FRAC STRING THROUGH CHOKE. MONITOR PRESSURE FOR 30 MINS. KILL TUBING WITH 20 BBLS.

R/U WELLCHECK LUBRICATOR. INSTALL 2 WAY CHECK INTO HANGER. N/D FRAC STACK. N/U BOP. R/U FLOOR AND HANDLING TOOLS.

CHART PRESSURE TEST ON BOP. CHART PIPE AND BLIND RAMS TO 2,500 PSI - GOOD TEST.

PULL HANGER AND RELEASE PACKER. LUBRICATE OUT 2 WAY CHECK - 110 PSI ON TUBING. KILL TUBING WITH 20 BBLS.

SHUT IN, SECURE WELL AND LOCATION.

CREW TRAVEL TO YARD.

Report Number 6	Report Start Date 7/21/2024	Report End Date 7/21/2024
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Operation

CREW TRAVEL TO LOCATION.

START UP EQUIPMENT. HELD SAFETY MEETING. CHECK WELL PRESSURES, BH- 0 PSI, CSG- 600 PSI, TBG- 500 PSI. BDW- 30 MINUTES.

PUMP 30 BBL KILL. LAY DOWN 3-1/2" FRAC STRING. HAD TO KILL WELL A 2ND TIME TO GET PACKER OUT OF HOLE.

CHANGE OVER HANDLING TOOLS FOR 2-3/8" TUBING. CHANGE OUT TUBING FLOATS. PREP TO PICK UP COLLARS, MILL AND TUBING.

MAKE UP 6-3/4" MILL ASSEMBLY. PUMP KILL. PICK UP 6 DRILL COLLARS. TALLY AND PICK UP TUBING. TAG FILL @ 1799'. R/U POWER SWIVEL.



Well Operations Summary L48

Well Name: ZACHRY #29

API: 3004525503	Field: BLANCO MV (PRO	#0078	State: NEW MEXICO
	Sundry #:		Rig/Service: MESA PRODUCTION

Operation		
R/U AIR UNIT. ESTABLISH CIRCULATION WITH AIR/MIST. CLEAN OUT FILL FROM 1799' & <b>MILL OUT CFP @ 1810'</b> . P/U TUBING TO COMPOSITE BRIDGE PLUG AT 1863'. ESTABLISH CIRCULATION WITH AIR/MIST. <b>DRILL OUT BRIDGE PLUG AT 1864'</b> . PU TUBING AND CLEAN OUT TO CEMENT PLUG @ 2010'. SAND RETURNS RANGING FROM 4 CUPS DOWN TO 1/4 CUP PER 5 GAL SAMPLE. CIRCULATE CLEAN. BYPASS AIR. HANG SWIVEL.		
TOOH W/TBG TO ABOVE PERFS, END OF TUBING AT 1648'.		
SHUT IN, SECURE WELL AND LOCATION.		
CREW TRAVEL TO YARD.		
Report Number 7	Report Start Date 7/22/2024	Report End Date 7/22/2024
Operation		
GATHER RIG SUPPLIES, TRAVEL TO WELLSITE		
PRE JOB SAFETY MEETING, DISCUSS HANDLING PIPE WHILE PICKING UP AND TRIPING, RECORD WELLHEAD PRESSURES, BRADENHEAD 0 PSI, INTERMEDIATE CASING 0 PSI, PRODUCTION CASING 70 PSI, TUBING 0 PSI, BD WELL 5 MIN		
TRIP IN HOLE TOP OF PLUG, RU SWIVEL		
COMPLETE MILL UP PLUG, C/O SAND TO 2 TABLESPOONS, PUMPING SWEEPS WHILE CLEAN OUT, 1100 CFM AIR, 1 GAL FOAMER/10 BBLS MIST, 1 GAL CORROSION INHIBITOR 10 BBLS MIST, 3 BBL SWEEPS		
TRIP OUT OF HOLE LAY DOWN DRILL COLLARS, SWAP TRAILERS		
PICK UP MUD ANCHOR, SEAT NIPPLE, 1 JOINT, 1 2' MARKER AND TRIP IN HOLE W/62 JTS 2 3/8" 4.7# J-55 TBG LAND @ 1965', SEAT NIPPLE @ 1939'		
PICK UP ROD PUMP, PRIME WITH WATER, RUN PUMP(1" X 1' PICKUP SCREEN, 2" X 1-1/4" X 9' X 13' RHAC-Z HVR) 1' LIFT SUB, 8' GUIDED ROD, 21K SHEAR TOOL, 6 X 1-1/4" SINKER BARS, 77 SUCKER RODS RUN IN HOLE, FIND TAG, SPACE OUT,		
SHUT IN WELL, SECURE FOR NIGHT, RIG RELEASED @ 20:00 HRS		
TRAVEL FROM WELLSITE TO YARD		

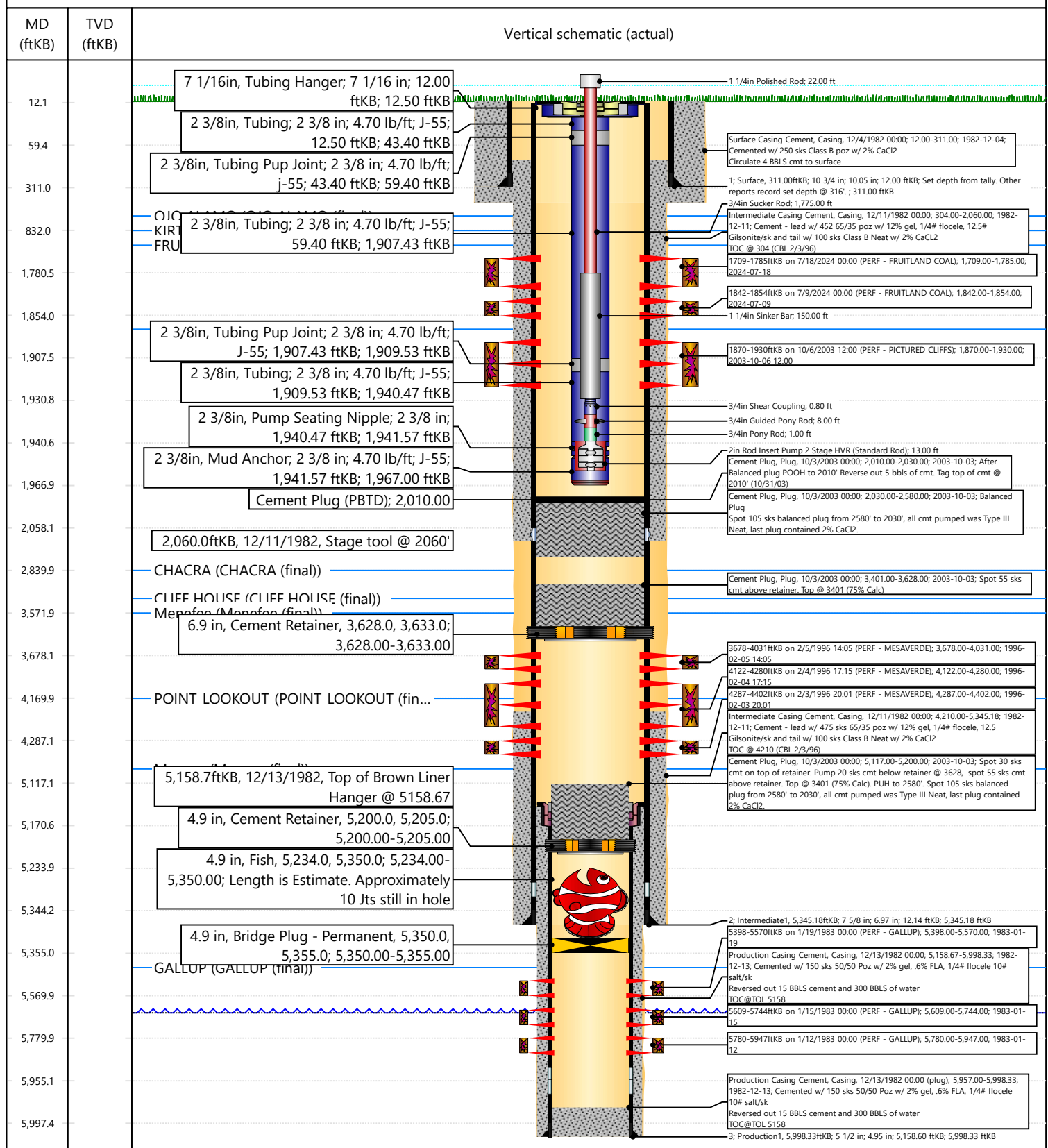


## Current Schematic - Version 3

Well Name: ZACHRY #29

API / UWI 3004525503	Surface Legal Location 033-029N-010W-C	Field Name BLANCO MV (PRO #0078)	Route 0707	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 5,620.00	Original KB/RT Elevation (ft) 5,632.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

## Original Hole [Vertical]



**NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT**

**MECHANICAL INTEGRITY TEST REPORT**  
(TA OR UIC)

Date of Test 7/9/24 Operator Alsup Energy Co. API # 30-0 45-25503  
 Property Name Zachry Well # 29 Location: Unit C Sec 33 Twp 29 Rge 14  
 Land Type: State \_\_\_\_\_ Well Type: Water Injection \_\_\_\_\_  
 Federal ☒ Salt Water Disposal \_\_\_\_\_  
 Private \_\_\_\_\_ Gas Injection \_\_\_\_\_  
 Indian \_\_\_\_\_ Producing Oil/Gas ☒  
 Pressure observation \_\_\_\_\_

Temporarily Abandoned Well (Y/N): \_\_\_\_\_ TA Expires: \_\_\_\_\_  
 Casing Pres. \_\_\_\_\_ Tbg. SI Pres. \_\_\_\_\_ Max. Inj. Pres. 570  
 Bradenhead Pres. \_\_\_\_\_ Tbg. Inj. Pres. \_\_\_\_\_  
 Tubing Pres. \_\_\_\_\_  
 Casing Pres. 24

Pressured annulus up to 570 psi. for 30 mins. Test passed/failed

REMARKS: Onsite to witness MTT. Pressured up to 570 psi. Pressure held @ 570 psi for 30 minutes. Pressure released to 0 psi for 1 minute.

for Monica (Operator Representative) Witness AP, LO (NMOCD)  
Well Site Supervisor (Position)

Revised 02-11-02

**NEW MEXICO ENERGY, MINERALS & NATURAL RESOURCES DEPARTMENT**

**BRADENHEAD TEST REPORT**  
(submit 1 copy to above address)

Date of Test 7/9/24 Operator Alsup Energy Co. API # 30-0 45-25503  
 Property Name Zachry Well No. 29 Location: Unit C Section 33 Township 29 Range 14  
 Well Status (Shut-In or Producing) Initial PSI: Tubing + Intermediate N/A Casing + Bradenhead +

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE				FLOW CHARACTERISTICS		
	Bradenhead	Inter	Cas	Inter	Cas	Bradenhead	INTERMEDIATE
5 min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Steady Flow	
10 min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Surges	
15 min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Droves to Nothing	
20 min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Nothing	
25 min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Gas	
30 min	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	Gas & Water	
						Water	

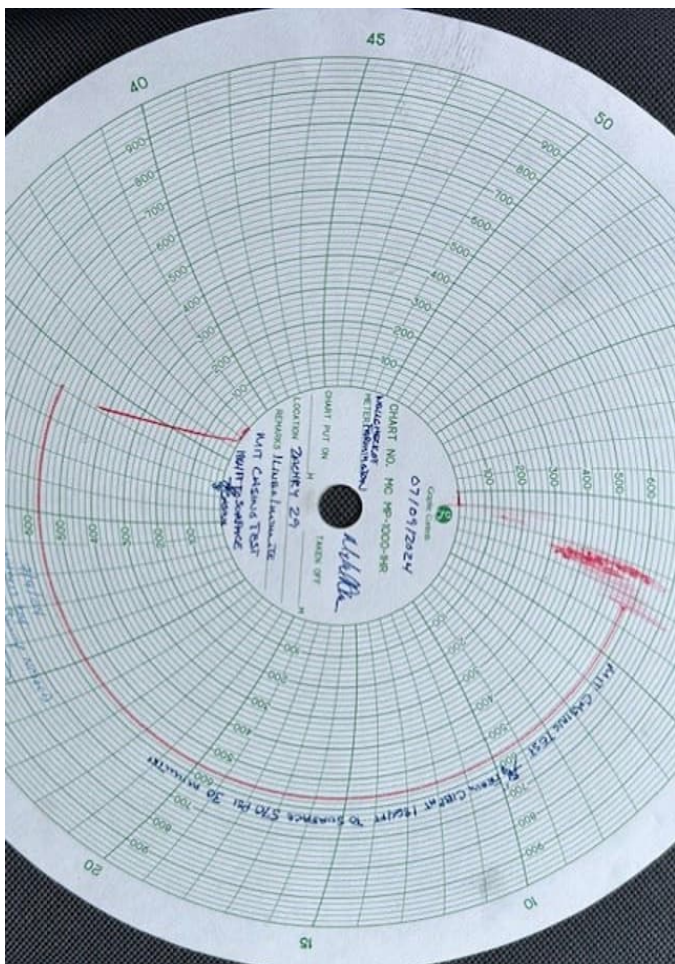
If bradenhead flowed water, check all of the descriptions that apply below:  
 CLEAR \_\_\_\_\_ FRESH \_\_\_\_\_ SALTY \_\_\_\_\_ SULFUR \_\_\_\_\_ BLACK \_\_\_\_\_

5 MINUTE SHUT-IN PRESSURE BRADENHEAD + INTERMEDIATE N/A

REMARKS: Onsite to witness BH, 0 psi on initial reading, little psi when opened. Nothing for the 5 minutes back sticking after 5 minute shut-in.

By for Monica (Position) Witness AP, LO

E-mail address \_\_\_\_\_



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

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

ACKNOWLEDGMENTS  
  
Action 378443

ACKNOWLEDGMENTS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 378443
	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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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
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**Santa Fe, NM 87505**

CONDITIONS  
  
Action 378443

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 378443
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

CONDITIONS

Created By	Condition	Condition Date
smcgrath	None	8/27/2024