

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>	C-104 Revised July 9, 2024  Submit Electronically Via OCD Permitting
--	--	--

### 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 50	Property Code: 318769
Mineral Owner: <input type="checkbox"/> State <input type="checkbox"/> Fee <input type="checkbox"/> Tribal <input checked="" type="checkbox"/> Federal	API Number: 30-045-25597
Pool Name: ARMENTA GALLUP	Pool Code: 2290

#### Section 2 – Surface Location

UL E	Section	Township	Range	Lot	Ft. from N/S	Ft. from E/W	Latitude	Longitude	County
	35	029N	010W		1846' North	621' West	36.68476	-107.86061	SAN JUAN

#### Section 3 – Completion Information

Producing Method Flowing	Ready Date 6/17/2024	Perforations MD 5,418' – 5,991'	Perforations TVD 5,418' – 5,991'
-----------------------------	-------------------------	------------------------------------	-------------------------------------

#### 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): N/A	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-5388
Production Casing Action ID: Previous to system	Surface Commingling: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
All casing was pressure tested in accordance with NMAC <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Non-standard Location: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Common ownership Order No.
Liner 1 Action ID: Previous to system	Non-standard Proration: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No, Order No.
Casing was installed prior to OCD's Action ID system (Y/N): Y	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  <b>Cherylene Weston</b>	
Title: Operations Regulatory Tech Sr.	Date: 9/26/2024

UNITED STATES  
 DEPARTMENT OF THE INTERIOR  
 BUREAU OF LAND MANAGEMENT

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

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG**

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

Other: COMMINGLE

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

3. Address: **382 Rd 3100, Aztec NM 87410**  
 3a. Phone No. (include area code): **(505) 333-1700**

4. Location of Well (Report location clearly and in accordance with Federal requirements)\*  
 At surface: **Unit E (SWNW), 1846' FNL & 621' FWL**  
 At top prod. Interval reported below: **118 Same as above**  
 At total depth: **Same as above**

5. Lease Serial No.: **NMSF080724A**

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

8. Lease Name and Well No.: **ZACHRY 50**

10. Field and Pool or Exploratory: **Armenta Gallup**

11. Sec., T., R., M., on Block and Survey or Area: **Sec. 35, T29N, R10W**

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

14. Date Spudded: **3/18/1983**  
 15. Date T.D. Reached: **3/30/1983**  
 16. Date Completed: **6/14/2024**  
 D & A  Ready to Prod.

17. Elevations (DF, RKB, RT, GL)\*: **5,645'**

18. Total Depth: **6,060'**  
 19. Plug Back T.D.: **6,014'**

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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement top*	Amount Pulled
13 3/4"	9 5/8" H-40	36#	0	349'	n/a	325 cf			
8 3/4"	7" J-55	23#	0	5,332'	n/a	3518 cf			
6 1/4"	4 1/2" K-55	10.5#	5150'	6,060'	n/a	168 cf			

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"	5,850'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Upper Gallup	5,416'	5,738'	1 SPF		26	open
B) Lower Gallup	5,846'	5,991'	1 SPF		17	open
C)						
D)						
<b>TOTAL</b>					<b>43</b>	

26. Perforation Record

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

Depth Interval	Amount and Type of Material
5416-5738	BDW w/water & 3300 gal 15% HCl. Frac w/ 204,585 gal 75Q N2 foam, 235,000# sand.
5846-5991	BDW w/water & 6000 gal 15% HCl. Frac w/ 39,000 gal 75Q N2 foam, 72,000 gal 2% Kcl wtr, 30# gel & 48,600# sand.

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
6/14/2024	6/14/2024	8	→	0	174	0	n/a	n/a	<b>Flowing</b>
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
28/64"	0 psi	60 psi	→	0	174	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	740'	920"	White, cr-gr ss	Ojo Alamo	740'
Kirtland	920'		Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	920'
Fruitland	1,560'	1900'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	1,560'
Pictured Cliffs	1,900'	2000'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	1,900'
Lewis	2,000'		Shale w/ siltstone stringers	Lewis	2,000'
Huerfanito Bentonite		2540'	White, waxy chalky bentonite	Huerfanito Bentonite	
Chacra	2,540'	3480'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	
Cliff House	3,480'		Light gry, med-fine gr ss, carb sh & coal	Cliff House	3,480'
Menefee		4240'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	
Point Lookout	4,240'	4450'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4,240'
Mancos	4,450'		Dark gry carb sh.	Mancos	
Gallup	5,400'		Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5,400'
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 sitty 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):

The Gallup isolation plug was drilled out. The well is currently producing as a CH/MV/GL trimmingle per DHC-5388.

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) Cherylene Weston Title Operations/Regulatory Technician  
 Signature Cherylene Weston Date 9/26/2024

<b>Well Name:</b> ZACHRY	<b>Well Location:</b> T29N / R10W / SEC 35 / SWNW / 36.68477 / -107.86061	<b>County or Parish/State:</b> SAN JUAN / NM
<b>Well Number:</b> 50	<b>Type of Well:</b> OIL WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMSF080724A	<b>Unit or CA Name:</b> ZACHRY - CHACRA	<b>Unit or CA Number:</b> NMNM110438, NMNM110440
<b>US Well Number:</b> 3004525597	<b>Operator:</b> HILCORP ENERGY COMPANY	

**Subsequent Report**

**Sundry ID:** 2795823

**Type of Submission:** Subsequent Report

**Type of Action:** Workover Operations

**Date Sundry Submitted:** 06/18/2024

**Time Sundry Submitted:** 08:04

**Date Operation Actually Began:** 06/06/2024

**Actual Procedure:** Commingle Operations: 6/7/24-PJSM, SITP-0, FCP-15#, SIBHP-0, BWD, RU Premier NDT, TOO H scanning tbg. RIH 3-7/8" junk mill to 3770'. KI air/mist, unload well. Tag fill @ 5166'. RU pwr swvl, air/mist. CO bridge to 5220', circ clean. SDFN, 6/10/24-PJSM, SITP-0, SICP-50#, SIBHP-0, BDW, RIH to 5214' (86' fill). PU pwr swvl, KI air/mist, CO paraffin bridges to 5300'. Tag cmt. DO cmt to 5366'. DO CIBP @ 5366'. Circ well clean. RIH to 5833'. Unload well, bleed off air. POH above liner top @ 5002'. SISW, SDFN, 6/11/24-PJSM, SITP-0, SICP-110#, SIBHP-0, BDW, RIH to 5821' (193' fill). PU pwr swvl, KI air/mist, CO to 5925'. CO plug parts/fill to 6014' PBTD. Circ well clean. POH above liner top @ 5002'. SISW, SDFN, 6/12/24-PJSM, SITP-0, SICP-100#, SIBHP-0, BDW, RIH to 5900' ( 114' fill). PU pwr swvl, KI air/mist, CO to 6014' PBTD. Circ well clean. POH, LD mill. SISW, 6/13/24-PJSM, SITP-n/a, SICP-110#, SIBHP-0, BDW, TIH W/ prod tbg. Tag hard @ 5910'. Unable to get deeper. TOO H w/tbg. Inspect mud anchor/bull plug. No marks. Frac sand found inside mud anchor. RIH 3-7/8" bit/mill, tag fill @ 5910'. PU pwr swvl. MIRU HEC cabinet unit. KI air/mist, est circ. Work tight spot, CO fill to 6014' (PBTD), Circ clean. Pump sweeps. TOO H above TOL @ 5003'. SISW, SDFN, 6/14/24-PJSM, SITP-0, SICP-100#, SIBHP-0, BDW, TIH, tag fill @ 5934'. TOO H w/all tbg. LD 3-7/8" mill. TIH w/prod tbg. Land 156 jts 2-3/8", 4.7#, J-55 tbg @ 5850'. LD swvl. RD floor, ND BOP. NU WH. X/O to rod handling tools. RIH new pump. Test pump (good). RIH w/rods. Space out, RU stuffing box, seat pump. Load/PT tbg to 500 PSI (good). Long stroke pump, good. RU horses head. Hang off rods. Pump action good. RD. Rig released. Turn well over to production.

**Well Name:** ZACHRY

**Well Location:** T29N / R10W / SEC 35 / SWNW / 36.68477 / -107.86061

**County or Parish/State:** SAN JUAN / NM

**Well Number:** 50

**Type of Well:** OIL WELL

**Allottee or Tribe Name:**

**Lease Number:** NMSF080724A

**Unit or CA Name:** ZACHRY - CHACRA

**Unit or CA Number:** NMNM110438, NMNM110440

**US Well Number:** 3004525597

**Operator:** HILCORP ENERGY COMPANY

## SR Attachments

### Actual Procedure

Zachry\_50\_Commingle\_WBD\_20240618075849.pdf

## 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:** CHERYLENE WESTON

**Signed on:** JUN 18, 2024 07:58 AM

**Name:** HILCORP ENERGY COMPANY

**Title:** Operations/Regulatory Tech - Sr

**Street Address:** 1111 TRAVIS STREET

**City:** HOUSTON

**State:** TX

**Phone:** (713) 289-2615

**Email address:** CWESTON@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:** 06/18/2024

**Signature:** Kenneth Rennick

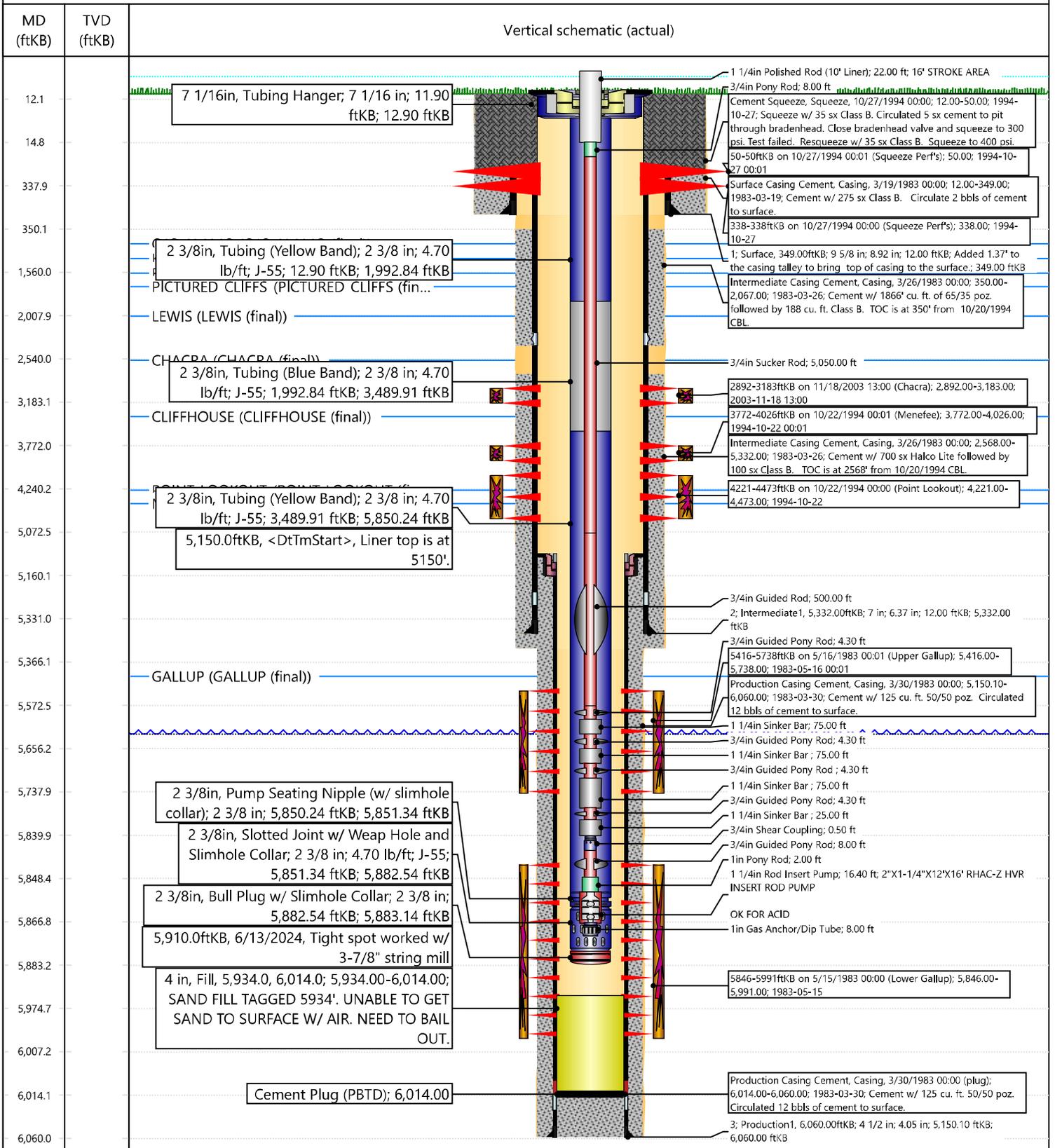


### Current Schematic - Version 3

Well Name: ZACHRY #50

API / UWI 3004525597	Surface Legal Location 035-029N-010W-E	Field Name BLANCO MV (PRO #0078	Route 0806	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 5,633.00	Original KB/RT Elevation (ft) 5,645.00	Tubing Hanger Elevation (ft)	RKB to GL (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)

### Original Hole [Vertical]



Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

ACKNOWLEDGMENTS

Action 387564

**ACKNOWLEDGMENTS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 387564
	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.

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

CONDITIONS

Action 387564

**CONDITIONS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 387564
	Action Type: [C-104] Completion Packet - New Well (C-104NW)

**CONDITIONS**

Created By	Condition	Condition Date
andrew.fordyce	None	2/12/2026