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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

Farmington Field Office
Bureau of Land Management

Lease No.

NMSF080724A

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.

N/A

Other:

RECOMPLETE

2. Name of Operator

Hilcorp Energy Company

8. Lease Name and Well No.

Zachry 41

3. Address

382 Road 3100, Aztec, NM 87410

3a. Phone No. (include area code)

(505) 599-3400

9. API Well No.

30-045-25499

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At surface Unit O (SWSE), 552' FSL & 1945' FEL

10. Field and Pool or Exploratory

Blanco Mesaverde

11. Sec., T., R., M., on Block and Survey or Area

Sec. 12, T28N, R10W

At top prod. Interval reported below

Same as above

12. County or Parish

San Juan

13. State

New Mexico

At total depth

Same as above

14. Date Spudded

11/30/1982

15. Date T.D. Reached

12/13/1982

16. Date Completed

3/7/2019

☐ D & A

☒ Ready to Prod.

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

5494' GL

18. Total Depth:

5991'

19. Plug Back T.D.:

5950'

20. Depth Bridge Plug Set:

MD

TVD

21. Type Electric & Other Mechanical Logs Run (Submit copy of each)

CBL

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
22"	16"	55# F-25	0	160	n/a	413 cf			None
14-3/4"	10-3/4"	40.5# K-55	0	1379'	n/a	2124 cf			None
9-7/8"	7-5/8"	26.4# ST&C	0	5338'	n/a	3330 cf			None
6-3/4"	5-1/2"	15.5# ST&C	5192'	5991'	n/a	195 cf			None

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"	5851'							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Menefee	3956'	4185'	1 SPF	.34"	13	open
B) Point Lookout	4224'	4575'	1 SPF	.34"	23	open
C)						
D) TOTAL					36	

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

Depth Interval	Amount and Type of Material
3956'-4575'	Acidized w/1500 gals 15% HCL, frac'd w/275,740# 20/40 AZ sand, 165,445 foam gal slickwater, 2.08MM SCF N2 @ 70Q, flushed w/29 foam bbls. Ran 15 RCN balls for diversion during job.

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
3/9/2019	3/2/2019	1	→	0	20	19	n/a	n/a	flowing
Choke Size	Tbg. Press. SI	Csg. Press. Flowing	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
20/64"	620 psi	N/A	→	0	480	456	n/a	Flowing	Dave Mankiewicz

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
			→						4/5/19
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status	
			→						

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.)

Vented

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	800'	920'	White, cr-gr ss	Ojo Alamo	800' ✓
Kirtland	920'	1670'	Gry sh interbedded w/tight, gry, fine-gr ss.	Kirtland	920' ✓
Fruitland	1670'	1910'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	Fruitland	1670' ✓
Pictured Cliffs	1910'	'	Bn-Gry, fine grn, tight ss.	Pictured Cliffs	1910' ✓
Lewis		2510'	Shale w/ siltstone stringers	Lewis	'
Chacra	2510'	3480'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	Chacra	2510' ✓
Mesa Verde	3480'	'	Light gry, med-fine gr ss, carb sh & coal	Mesaverde	3480' ✓
Menefee		4330'	Med-dark gry, fine gr ss, carb sh & coal	Menefee	'
Point Lookout	4330'	'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	Point Lookout	4330' ✓
Mancos		5400'	Dark gry carb sh.	Mancos	'
Gallup	5400'	'	Lt. gry to brn calc carb micac ghac silts & very fine gry gry ss w/ irreg. interbed sh.	Gallup	5400' ✓
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 silty ss w/ pyrite incl thin sh bands cly Y shale breaks	Dakota	'

32. Additional remarks (include plugging procedure):

This is a commingled Mesaverde/Gallup well per DHC-4914.

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 WestonTitle Operations/Regulatory Technician-Sr.

Signature

Cherylene Weston

Date

3-12-19

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.