Form 3160-4
(June 2015)

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MAR 16 2018
Farmington Field Office
Bureau of Land Management

NMOCD
MAR 26 2018
DISTRICT III

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

5. Lease Serial No. NMSF-078417

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

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and No.
San Juan 28-7 Unit

2. Name of Operator
Hilcorp Energy Company

8. Lease Name and Well No.
San Juan 28-7 Unit 246M

3. Address
PO Box 4700, Farmington, NM 87499

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

9. API Well No.
30-039-27047

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

At surface: Unit O (SWSE), 280' FSL & 1630' FEL

At top prod. Interval reported below: Same as above

At total depth: Same as above

10. Field and Pool or Exploratory
Blanco Mesaverde

11. Sec., T., R., M., on Block and Survey or Area
Sec. 07, T28N, R07W

12. County or Parish: Rio Arriba

13. State: New Mexico

14. Date Spudded	15. Date T.D. Reached	16. Date Completed	17. Elevations (DF, RKB, RT, GL)*
9/18/2002	9/27/2002	[ ] D & A [X] Ready to Prod. 3/14/2018	6854' GL

18. Total Depth:	19. Plug Back T.D.:	20. Depth Bridge Plug Set:
8027'	8025'	MD / TVD

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

22. Was well cored? [X] No [ ] Yes (Submit analysis)
Was DST run? [X] No [ ] Yes (Submit report)
Directional Survey? [X] 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 1/4"	9 5/8" J-55	36#	0	236'	n/a	250 sx		surface	
8 3/4"	7" J-55	20#	0	3925'	n/a	575 sx		surface	
6 1/4"	4 1/2" J-55	11#	0	8027'	n/a	460 sx		2960'	

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"	7915'							

25. Producing Intervals / 26. Perforation Record

	Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A)	Point Lookout	5699'	6077'	Select Fire 1 SPF	.34"	23	open
B)	Menefee	5368'	5607'	Select Fire 1 SPF	.34"	21	open
C)	Cliffhouse	5127'	5320'	Select Fire 1 SPF	.34"	23	open
D)	TOTAL					67	

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

Depth Interval	Amount and Type of Material
5699' - 6077'	Acidized w/ 1000 gals 15% HCl. Frac w/ 70 Q N2 foam, 20# linear base gel, 102,570# 20/40 AZ sand, 964,825 SCF N2, 779 bbls Fluid Flush.
5368' - 5607'	Acidized w/ 1000 gals 15% HCl. Frac w/ 60 Q N2 foam, 20# linear base gel, 189,220# 20/40 AZ sand, 1,824,250 SCF N2, 1,583 bbls Fluid Flush.
5127' - 5320'	Acidized w/ 1000 gals 15% HCl. Frac w/ 67 Q N2 foam, 20# linear base gel, 270,280# 20/40 AZ sand, 1,977,234 SCF N2, 82 bbls Fluid Flush.

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
3/14/2018	3/12/2018	2	→	0	73 mcf	2 bbls	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
32/64	0 psi	140 psi	→	0	876 mcf/d	24 bwpd	n/a	Producing

ACCEPTED FOR RECORD
MAR 21 2018
FARMINGTON FIELD OFFICE
By:

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. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas/Oil Ratio	Well Status
			→					

*(See instructions and spaces for additional data on page 2)

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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	2585'	2700'	White, cr-gr ss	**Ojo Alamo**	**2585'**
Kirltand	2700'	3134'	Gry sh interbedded w/tight, gry, fine-gr ss.	**Kirtland**	**2700'**
Fruitland	3134'	3490'	Dk gry-gry carb sh, coal, grn silts, light-med gry, tight, fine gr ss.	**Fruitland**	**3134'**
Pictured Cliffs	3490'	3658'	Bn-Gry, fine grn, tight ss.	**Pictured Cliffs**	**3490'**
Lewis	3658'	4446'	Shale w/ siltstone stingers	**Lewis**	**3658'**
Chacra	4446'	4830'	Gry fn grn silty, glauconitic sd stone w/ drk gry shale	**Chacra**	**4446'**
Mesa Verde	4830'	5290'	Light gry, med-fine gr ss, carb sh & coal	**Mesaverde**	**4830'**
Menefee	5290'	5694'	Med-dark gry, fine gr ss, carb sh & coal	**Menefee**	**5290'**
Point Lookout	5694'	6153'	Med-light gry, very fine gr ss w/ frequent sh breaks in lower part of formation	**Point Lookout**	**5694'**
Mancos	6153'	6973'	Dark gry carb sh.	**Mancos**	**6153'**
Gallup	6973'	7654'	Lt. gry to brn calc carb micac gluac silts & very fine gry gry ss w/ irreg. interbed sh.	**Gallup**	**6973'**
Greenhorn	7654'	7720'	Highly calc gry sh w/ thin lmst.	**Greenhorn**	**7654'**
Graneros	7720'	7724'	Dk gry shale, fossil & carb w/ pyrite incl.	**Graneros**	**7720'**
Dakota	7724'		Lt to dark gry foss carb sl calc sl sitty ss w/ pyrite incl thin sh bands cly Y shale breaks	**Dakota**	**7724'**
Morrison			Interbed grn, brn & red waxy sh & fine to coard grn ss		

32. Additional remarks (include plugging procedure):

This is a commingled MV/DK well being commingled per DHC 3977AZ. Density Exception R-14560.

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)* **Kandis Roland** Title **Operations/Regulatory Technician**

Signature Kandis Roland Date 3/16/18

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.

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