

NMOC

AUG 14 2019

Form 3160-4
(August 2007)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

DISTRICT III

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No.
NMSF079960

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			6. If Indian, Allottee or Tribe Name		
b. Type of Completion <input type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			7. Unit or CA Agreement Name and No. 1408001336		
2. Name of Operator HILCORP ENERGY COMPANY			8. Lease Name and Well No. LAWSON 2E		
Contact: PRISCILLA SHORTY E-Mail: pshorty@hilcorp.com			9. API Well No. 30-045-24022-00-C2		
3. Address 1111 TRAVIS STREET HOUSTON, TX 77002			3a. Phone No. (include area code) Ph: 505.324.5188		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWSE 1000FSL 1790FEL 36.937130 N Lat, 108.025620 W Lon At top prod interval reported below SWSE 1000FSL 1790FEL At total depth SWSE 1175FSL 2036FEL			10. Field and Pool, or Exploratory BLANCO MESAVERDE		
			11. Sec., T., R., M., or Block and Survey or Area Sec 31 T32N R11W Mer NMP		
			12. County or Parish SAN JUAN		13. State NM
14. Date Spudded 09/11/1980		15. Date T.D. Reached 09/21/1980	16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 07/12/2019		17. Elevations (DF, KB, RT, GL)* 6420 GL
18. Total Depth: MD 7657 TVD 7639		19. Plug Back T.D.: MD 7641 TVD 7631		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL GYRO			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 analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)		

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
12.250	9.625 H-40	32.3	0	235		110		0	
8.750	7.000 K-55	23.0	0	3245		260		0	
6.250	4.500 K-55	10.5	3074	7650		535		4676	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	7593							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE			5005 TO 5260	0.340	45	OPEN
B) POINT LOOKOUT			5347 TO 5620	0.340	45	OPEN
C) PT LOOKOUT						
D) MENELEE	5005	5260				

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

Depth Interval	Amount and Type of Material
5005 TO 5620	FOAM FRAC'D W/ 300,320 LBS 40/70 AND 1667 BW AND 2.47 MILLION SCF N2 70 Q

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
07/12/2019	07/12/2019	1	→		1.0				FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	213	189.0	→	0	24	0		PGW	

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
07/12/2019	07/12/2019	1	→	0.0	1.0	0.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
SI	213	189.0	→	0	24	0		PGW	

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #473746 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED **

A

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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(Sold, 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 tests, 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
DAKOTA				DAKOTA	
FRUITLAND	2570	3116	DK GRY-GRY CARB SH, COAL, GRN	FRUITLAND	2570
PICTURED CLIFFS	3116	3727	BN-GRY, FINE GRN, TIGHT SS.	PICTURED CLIFFS	3116
HUERFANITO BENTONITE	3727	4562	WHITE, WAXY CHALKY BENTONITE	HUERFANITO BENTONITE	3727
CLIFFHOUSE	4562	4879	LIGHT GRY, MED-FINE GR SS, CAR	CLIFFHOUSE	4562
MENEFEE	4879	5305	MED-DARK GRY, FINE GR SS, CARB	MENEFEE	4879
POINT LOOKOUT	5305	5708	MED-LIGHT GRY, VERY FINE GR SS	POINT LOOKOUT	5305
MANCOS	5708	6737	DARK GRY CARB SH.	MANCOS	5708
GALLUP	6737	7606	LT. GRY TO BRN CALC CARB MICAC	GALLUP	6737

32. Additional remarks (include plugging procedure):

WELL IS NOW PRODUCING AS BLANCO MESAVERDE / BASIN DAKOTA COMMINGLE UNDER DHC 4968
AZ

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.)
2. Geologic Report
3. DST Report
4. Directional Survey
5. Sundry Notice for plugging and cement verification
6. Core Analysis
- 7 Other:

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

Electronic Submission #473746 Verified by the BLM Well Information System.
For HILCORP ENERGY COMPANY, sent to the Farmington
Committed to AFMSS for processing by JOE KILLINS on 07/22/2019 (19JK0104SE)

Name (please print) PRISCILLA SHORTY

Title OPERATIONS REGULATORY TECH

Signature (Electronic Submission)

Date 07/17/2019

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.

**** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ** REVISED ****