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Farmington Field Office
Bureau of Land Management

Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

5. Lease Serial No. **NMSF077833A**

6. If Indian, Allottee or Tribe Name

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2.

7. If Unit of CA/Agreement, Name and/or No.

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No. **Mansfield 11**

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

9. API Well No. **30-045-20992**

3a. Address **382 Road 3100, Aztec, NM 87410**

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

10. Field and Pool or Exploratory Area **Blanco Mesaverde/Basin Dakota**

4. Location of Well *(Footage, Sec., T.,R.,M., or Survey Description)*
Surface Unit N (SE/SW) 830' FSL & 1840' FWL, Sec. 29, T30N, R09W

11. Country or Parish, State **San Juan , New Mexico**

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

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Subsequent Report	☐ Casing Repair	☐ New Construction	☒ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
☐ Final Abandonment Notice	☐ Convert to Injection	☐ Plug Back	☐ 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 recomplete 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 performed 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 determined that the site is ready for final inspection.)

Hilcorp Energy Company requests permission to recomplete the subject well in the Mesaverde and downhole commingle with the existing Dakota formation. Attached is the procedure, wellbore diagram, plat, and gas capture plan. A DHC application will be filed and approved prior to commingling. A closed loop system will be used. Interim reclamation will be performed afer surface disturbing activities

****Density Exception Order Approval R-14817****

NMOCD

HOLD C104 FOR DHC FEB 01 2019

DISTRICT III

BLM'S APPROVAL OR ACCEPTANCE OF THIS ACTION DOES NOT RELIEVE THE LESSEE AND OPERATOR FROM OBTAINING ANY OTHER AUTHORIZATION REQUIRED FOR OPERATIONS ON FEDERAL AND INDIAN LANDS

Notify NMOCD 24 hrs prior to beginning operations

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

Priscilla Shorty Title **Operations/Regulatory Technician - Sr.**

Signature Priscilla Shorty Date **1/11/2019**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title PE Date 1/31/19

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 FFO

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.

(Instruction on page 2)

NMOCD AV

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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

Form C-102
August 1, 2011

Permit 262147

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number	2. Pool Code	3. Pool Name
30-045-20992	72319	BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code	**5. Property Name**	**6. Well No.**
318617	MANSFIELD	011
7. OGRID No.	**8. Operator Name**	**9. Elevation**
372171	HILCORP ENERGY COMPANY	5923

10. Surface Location

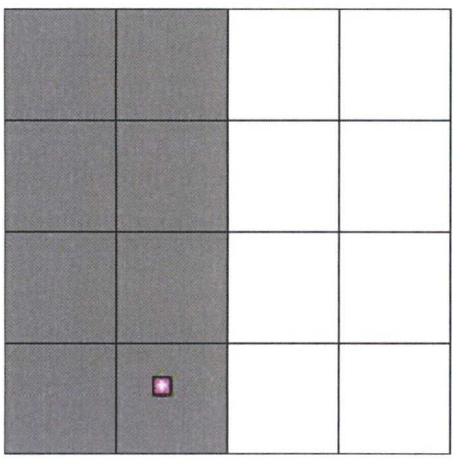
UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
N	29	30N	09W		830	S	1840	W	SAN JUAN

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County

12. Dedicated Acres	13. Joint or Infill	14. Consolidation Code	15. Order No.
320.00			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

E-Signed By: Priscilla Shorty
Title: Operations Regulatory Technician - Sr.
Date: 1/11/2019

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Surveyed By: David Kilven
Date of Survey: 3/15/1972
Certificate Number: 1760

HILCORP ENERGY COMPANY
MANSFIELD 11
MESA VERDE RECOMPLETION SUNDRY

API #:	3004520992

JOB PROCEDURES

1. MIRU service rig and associated equipment; NU and test BOP.
2. TOOH with **2 3/8"** tubing set at **7,160'.**
3. Set a **4-1/2"** cast iron bridge plug at +/- **6,848'** to isolate the Dakota. Load the casing and pressure test the CIBP.
4. RU E-line and run a CBL/Gamma Ray/Collar Locator on the 4-1/2" casing from the CIBP to surface. Review the CBL to determine the recomplete perforations for this project in the Mesa Verde Formation.
5. Review the perforation range of the Mesa Verde recomplete work with the NMOCD and BLM. If needed, determine the required cement behind the 4-1/2" casing that needs to be squeezed in order to execute the project.
6. (If needed) Perforate hole(s) in 4-1/2" casing based on the CBL results either above or below the Mesa Verde to have adequeat cement around the proposed recomplete perforations. Set a 4-1/2" cmt retainer and squeeze cement behind the 4-1/2" casing.
7. (If needed) WOC, tag cement, and drill out cement to the CIBP.
8. (If needed) Run a 2nd CBL to determine if there is adequate cement behind 4-1/2" casing both above and below the Mesa Verde proposed perforations. Review the results of the log with the NMOCD and BLM. Gain NMOCD & BLM approval before moving forward with the project.
9. (If needed) Circulate clean the wellbore and perform a MIT pressure test of the casing (due to recent squeeze work). Organize MIT with MNOCD & BLM to be witnessed.
10. (If needed) Set a 2nd CIBP just below the Mesa Verde proposed perforations to protect all exposed casing down the original 1st CIBP from the upcoming frac job. Pressure test the 2nd CIBP.
11. RU E-line and run in the hole with perforating guns. Perforate the Mesa Verde formation within **4,190'** (top) and **5,120'** (bottom). RD E-line.
12. ND BOP, NU 10K Frac Stack, NU BOP and test. TIH with 2-7/8" frac tubing string and 4-1/2" packer. Pressure test frac tubing string and frac stack to frac pressure.
13. NU frac equipment and perform frac job in 1 or 2 stages in the Mesa Verde Formation. RD frac equipment.
14. RU service rig and associated equipment. ND frac stack. NU BOP and test. TOOH and LD the frac tubing string and packer.
15. TIH with mill and clean out wellbore to the Dakota isolation plug.
16. When water and sand rates are acceptable, drill out the Dakota isolation plug and cleanout to PBTD of **7,239'**. TOOH.
17. TIH and land 2-3/8" production tubing. Get a commingled **Dakota/Mesa Verde** flow rate.

HILCORP ENERGY COMPANY
MANSFIELD 11
MESA VERDE RECOMPLETION SUNDRY

MANSFIELD 11 - CURRENT WELLBORE SCHEMATIC

Hilcorp Energy Company

Schematic - Current

Well Name: MANSFIELD #11

API / UWI	Surface Legal Location	Field Name	License No.	State/Province	Well Configuration Type
3004520992	029-030N-009W-N	BASIN DAKOTA (PRORATED G #0069		NEW MEXICO	
Original KB/RT Elevation (ft)	**KB-Tubing Hanger Distance (ft)**	**Original Spud Date**	**Rig Release Date**	**PBTD (All) (ftKB)**	**Total Depth All (TVD) (ftKB)**
5,927.00		7/23/1972 00:00	3/10/1997 09:30	Original Hole - 7,239.0	

Most Recent Job

Job Category	Primary Job Type	Secondary Job Type	Actual Start Date	End Date
WELL INTERVENTION	BRADENHEAD REPAIR		3/5/1997	3/11/1997

TD: 7,253.0

Original Hole, 1/11/2019 8:10:43 AM