

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: January 31, 2018

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.

5. Lease Serial No.
NMNM0558144

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE - Other instructions on page 2

7. If Unit or CA/Agreement, Name and/or No.
891000446X

1. Type of Well
 Oil Well Gas Well Other: COAL BED METHANE

8. Well Name and No.
TRAIL CANYON 104H

2. Name of Operator
HILCORP ENERGY COMPANY Contact: AMANDA WALKER
E-Mail: mwalker@hilcorp.com (san juan nort)

9. API Well No.
30-045-35884-00-X1

3a. Address
1111 TRAVIS STREET
HOUSTON, TX 77002

3b. Phone No. (include area code)
Ph: 505.324.5122

10. Field and Pool or Exploratory Area
BASIN FRUITLAND COAL

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Sec 21 T32N R8W SESE 1294FSL 399FEL
36.965588 N Lat, 107.673050 W Lon

11. County or Parish, State
SAN JUAN COUNTY, NM

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

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Hydraulic Fracturing	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> 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.

Please see attached REVISED Casing Report to include the PT on 6/5/2019 and 6/10/2019.

NMOCD
JUL 02 2019
DISTRICT III

14. I hereby certify that the foregoing is true and correct.
Electronic Submission #470993 verified by the BLM Well Information System For HILCORP ENERGY COMPANY, sent to the Farmington Committed to AFMSS for processing by JOE KILLINS on 06/27/2019 (19JK0062SE)

Name (Printed Typed) AMANDA WALKER Title OPERATIONS REGULATORY TECH

Signature (Electronic Submission) Date 06/27/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED JOE KILLINS
Title ENGINEER Date 06/20/2019

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 Farmington

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.

(Instructions on page 2) **** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOCD *AV*

Trail Canyon 104H
30-045-35884
Sub Drilling Report

6/3 – 6/4/2019: MIRU. LM W/BLM AND OCD ABOUT PT. SDFN.

6/5/2019: MU TEST PLUG. TEST ANN. PIPE & BLIND RAMS. LOW/5 MINS @ 250 PSI. HIGH/10 MINS @ 2100 PSI. TIW. KELLY COCK LOW/5 MINS @ 250 PSI. HIGH @ 10 MINS @ 2100 PSI. OUTER & INNER MANIFOLD, LOW/5 MIN @ 250 PSI, HIGH @ 2100 PSI. HCR, STINGER 1. STINGER 2, KILL 1, KILL 2. CHECK & DART VALVES. CSG @ 100 PSI. **SURF CSG PRESSURE TESTED @ 600 PSI FOR 30 MINS.** PU & MU DIRECTIONAL TOOLS. TIH T/481'. DO SHOE TRACK. DRILL 8 3/4" HOLE F/501' T/1680'.

6/6/2019: CONT DRILLING T/2341'. NOTIFICATION OF OPERATIONS MADE TO OCD AND BLM.

6/7/2019: CONT DRILLING T/4177'. TD @ 4177'. CIRC HOLE CLEAN. TOO H, BACK REAM FROM 2060' TO 800'. PMP SWEEPS TO CLEAN HOLE. LS DIRECTIONAL TOOLS. PU & TIH BHA.

6/8/2019: CONT TIH TO TD @ 4177'. TOO H. BACK REAM. CIRC W/FULL RETURNS.

6/9/2019: RU CSG EQUIP. RIH 91 JTS 7" 32# P-110, CSG. CIRC HOLE CLEAN. LND CSG @ 4177'. STG TOOL @ 2876'. RD CSG EQUIP. RU CMT EQUIP. PMP 1ST STAGE @ FOLLOWS: 20 BBLs TUNED SPACER III. LEAD – 29.6 BBLs 12.4 PPG VARICEM CMT (1.96 CUFT/SX, **85 SX**) TAIL – 32 BBL 12.9 PPG CARICEM CMT (1.3 CUFT/SX, **85 SX**). DROP PLUG & DISP W/60 BBLs FW & 101.3 BBL MUD (161.3 TOTAL). BUMP PLUG & OPEN STG TOOL. CIRC 24 BBS CMT TO SURFACE. CIRC BETWEEN STAGES. PMP 2ND STAGE AS FOLLOWS: 20 BBLs TUNED SPACER III. LEAD – 93 BBLs 12.5 PPG VARICEM CMT (1.9 CUFT/SX, **275 SX**). TAIL – 20.4 BBLs 15.8 PPG VARICEM CMT (1.15 CUFT/SX, **100 SX**). DROP PLUG & DISP W/113 BBL FW. LOST RETURNS 55 BBLs INTO DISP, SLOW RATE. BUMP PLUG & CLOSE STG TOOL. WOC. RD CMT EQUIP.

TROUBLE CALL: PHONE CALL MADE TO MONICA @ OCD AND EMAIL SENT TO JIM LOVATO AND PHONE CALL MADE TO VIRGIL LUCERO @ BLM. REQUEST TO DRILL STAGE TOOL AFTER 8 HRS WOC. MIT CSG, AND RUN CBL ONCE COMPLETION RIG MOVES ON AND PMP REMEDIAL CMT @ THAT TIME. VERBAL APPROVAL GIVEN BY MONICA WITH REQUEST TO RUN TEMP SURVEY. VERBAL APPROVAL GIVEN BY VIRGIL.

6/10/2019: SET PKR, TEST @ 3000 PSI FOR 5 MINS. WOC. RU BASIN WL FOR TEMP SURVEY, RUN. TIH T/2834'. TAG @ 2874'. DRILL DV TOOL. **WILSON SERVICES CHARTED CSG PRESSURE TEST @ 1500 PSI FOR 30 MINS.** TIH TO FLOAT COLLAR, DO. TOO H, LD BIT. PU BHA, TIH T/3364'. DRILL F/4165' T/4315'.

6/11/2019: CONT DRILLING F/4326' T/5200'.

TROUBLE CALL: EMAIL SENT TO OCD AND BLM TO CONFIRM THAT COMPLETION RIG WILL RUN SECOND CBL TO RULE OUT ANY CMT REMEDIATION. CBL WILL BE RAN FROM AS CLOSE TO LINER TOP TO SURFACE TO SHOW ENTIRE PRODUCTION CSG AND BOTH CMT STAGES.

6/12/2019: CONT DRILLING F/5211' T/6539'. CALL MADE TO BLM AND OCD ABOUT UPCOMING 4 1/2" LINER RUN.

6/13/2019: CONT DRILLING F/6539' T/6666'. BACK REAM OUT W/PRESSURE AND TORQUE RISING. STUCK PIPE F/6599' T/6606'. WORK PIPE. RUN WL, RD WL. TOO H W/DP. WORK PIPE OUT OF HOLE PMP AND ROTATING THROUGH TIGHT HOLE. NO BHA ON STRING. 10 1/2 STANDS WERE LEFT IN HOLE WHICH ADDED TO 762.77' OF FISH. TOF @ 5842'.

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Electronic Submission #470473 verified by the BLM Well Information System For HILCORP ENERGY COMPANY, sent to the Farmington Committed to AFMSS for processing by JOE KILLINS on 06/25/2019 (19JK0056SE)

Name (Printed/Typed) AMANDA WALKER Title OPERATIONS REGULATORY TECH

Signature (Electronic Submission) Date 06/25/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED Title JOE KILLINS ENGINEER Date 06/25/2019

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