

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.

SUBMIT IN TRIPLICATE - Other instructions on page 2

1. Type of Well <input type="checkbox"/> Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other: COAL BED METHANE		5. Lease Serial No. NMSF078115
2. Name of Operator HILCORP ENERGY COMPANY		6. If Indian, Allottee or Tribe Name
3a. Address 1111 TRAVIS STREET HOUSTON, TX 77002		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 505-324-5122		8. Well Name and No. GRENIER 101
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 7 T31N R11W NESW 1925FSL 1830FWL 36.911190 N Lat, 108.033630 W Lon		9. API Well No. 30-045-27247-00-S1
		10. Field and Pool or Exploratory Area BASIN FRUITLAND COAL
		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 checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Deepen
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Hydraulic Fracturing
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Recomplete
	<input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Well Integrity
	<input checked="" type="checkbox"/> Other Hydraulic Fracture
	<input type="checkbox"/> Plug and Abandon
	<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 recomple 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 recomple 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

GRENIER 101
30-045-27247
LEASE: NMSF078115
REFRAC SUBSEQUENT

NMOC

AUG 30 2019

DISTRICT III

14. I hereby certify that the foregoing is true and correct. Electronic Submission #477287 verified by the BLM Well Information System For HILCORP ENERGY COMPANY, sent to the Farmington Committed to AFMSS for processing by JOE KILLINS on 08/28/2019 (19JK0145SE)	
Name (Printed/Typed) AMANDA WALKER	Title OPERATIONS/REGULATORY TECH SR.
Signature (Electronic Submission)	Date 08/08/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED	JOE KILLINS Title ENGINEER	Date 08/28/2019
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 ****

Handwritten signature

Grenier 101
30-045-27247
Lease: NMSF078115
Refrac Subsequent

6/4/2019: MIRU. ND WH. ND BOP & TEST. PU ON TBG & LD TBG HANGER. TIH & TAG 3' OF FILL. RU TUBOSCOPE. TOOH SCANNING & TALLY TBG. PU STRINGMILL & TIH TO 2365'. PU RBP & TIH W/2 JTS. SET RBP, RELEASE RBP & LD 2 JTS. LOAD CSG ABOVE RBP & PT TO 300 PSI/10 MIN. TEST GOOD. ND BOP. PT TO 2400 PSI. TEST GOOD. NU BOP & PT PIPE RAMS. TEST GOOD. TIH W/2 JTS & RETRIEVE RBP. TOOH W/2 JTS & LD RBP. FINISH TIH W/STRINGMILL TO 2750'. TOOH, LD TBG & STRINGMILL. SIW SL. SDFN.

6/5/2019: PU AS1X PKR W/10K CERAMIC DISK & 2 7/8" P-110, RTS-8 FRAC STRING. TIH & SET @ 2740.07'. ND BOP, NU FRAC STACK. PT FRAC STACK & TBG TO 9000 PSI & RECORD ON CHART. TEST GOOD. RD RIG & EQUIP.

6/26/2019: (CHECK WHP 120, SITP 110, BH 0). RIH W/1.5 IB. TAG @ 2764 WLM. SIW. RD SLICKLINE. SL. BD CASING PSI.

7/1/2019: MIRU FRAC EQUIPMENT. PUMP PRE DESIGN, PUMP 75%Q FOAM FRAC WITH 60120# 20/40 SAND, MAX PSI 6709, AVG PSI 5731, MAX BH RATE 43.4 BPM AVG BH RATE 39.7 BPM ISIP 1201. TOTAL N2 940817 SCF.

7/9/2019: (SITP 5 PSIG, SICP 200 PSIG, BH 0 PSIG). MIRU. BD WELL. ND FRAC STACK. INSTALL 2 WAY CHK. NU BOP. MIRU WELLCHECK. PT & CHART BOP & WH. LOW 250 PSIG, HIGH 2,000 PSIG. TST OK. RLS PKR. SITP 0 PSIG. REMOVE 2-WAY CHK. REMOVE HNGR. TOH & LD 2 - 2-7/8" X 10' TBG SUBS, XO, 88 JTS 2-7/8" P-110 SEAMLESS RTS-8 TBG, XO, PKR, PUMP OUT SUB & WL RE-ENTRY GUIDE. PU & TIH 4-3/4" CONE BIT, BIT SUB & 86 JTS 2-3/8" TBG. TG FILL @ 2,771' (16' FILL). BRK CIRC W/AFU. CO FILL FR/2,771' - 2,787' (PBTD). CIRC CLN. TOH 11 JTS 2-3/8". SWI. SDFN.

7/10/2019: (SICP 165 PSIG, SITP 0 PSIG W/STRNG FLT, BH 0 PSIG). BD WELL. TIH 10 JTS 2-3/8" TBG. TG FILL @ 2,782'. BRK CIRC W/AFU. CO FILL FR/2,782' - 2,787' (PBTD). CIRC CLN. TIH 85 JTS 2-3/8" 4.7# J-55 TBG & LD BHA. TG PBTD. LD TBG. EOT @ 2,764'. SN @ 2,762'. ND BOP. NU WH W/B-2 ADPT. PMP 5 BBL PAD. DROP BALL. PT TBG TO 500 PSIG. TST OK. PMP OFF CHK @ 800 PSIG.

RDMO @ 1400 hrs

Well Name: GRENIER #101

API / UWI 3004527247	Surface Legal Location 007-031N-011W-K	Field Name BASIN (FRUITLAND COAL)	Route 0109	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,218.00	Original KB/RT Elevation (ft) 6,231.00	KB-Ground Distance (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Original Hole, 8/8/2019 2:36:09 PM

