

RECEIVED

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

AUG 22 2018

5. Lease Serial No. **NMNM0555078**  
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.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		7. If Unit of CA/Agreement, Name and/or No.
2. Name of Operator <b>Hilcorp Energy Company</b>		8. Well Name and No. <b>Helms Federal 1F</b>
3a. Address <b>382 Road 3100, Aztec, NM 87410</b>	3b. Phone No. (include area code) <b>505-599-3400</b>	9. API Well No. <b>30-045-34049</b>
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) <b>Surface      Unit I (NE/SE) 2610' FSL &amp; 820' FWL, Sec. 22, T30N, R10W</b>		10. Field and Pool or Exploratory Area <b>Blanco MV / Basin Dakota</b>
		11. Country or Parish, State <b>San Juan      ,      New Mexico</b>

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"/> Fracture Treat	<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 checked="" type="checkbox"/> Recomplete	<input 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

ACCEPTED FOR RECORD

NMOCD  
AUG 31 2018  
DISTRICT III

AUG 30 2018  
FARMINGTON FIELD OFFICE  
By: \_\_\_\_\_

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) <b>Amanda Walker</b>		Title <b>Operations/Regulatory Technician - Sr.</b>
Signature <i>Amanda Walker</i>		Date <b>8/21/2018</b>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title	Date
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	

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 AY

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Helms Federal 1F  
30-045-34049  
Recomplete Sundry

**7/11/2018:** MIRU EXPERT SH SLU. RIH & RETR BHBS. TAG FILL @ 7341'. RDMO SLU. MIRU AWS. BD WELL. ND WH. NU & PT BOP. TST GOOD. PU & TIH 3 JTS 2-3/8" TBG. TAG @ 7383'. TOH & LD 3 JTS 2-3/8" TBG. SWI. SDFN.

**7/12/2018:** BD WELL. PU & TIH 3-3/4" BIT. CSG SCRAPER & 198 JTS 2-3/8 TBG & BHA. TOH & LD 20 JTS 2-3/8" TBG. CONT TOH 178 JTS 2-3/8" TBG & BHA. PU & TIH SELECT 4-1/2" CIBP. SETTING TL & 178 JTS 2-3/8" TBG. SET CIBP @ 5650'. TOH & LD 1 JT 2-3/8" TBG. CIRC CSG W/78 BBLs. PT CGS TO 2000 PSIG FOR 15" TEST – OK. TOH & LD 178 JTS 2-3/8" TBG & SETTING TL. PT & CHART CGS TO 4050 PSIG FOR 30". TST OKAY. ND TST FLING. NU WH. RDMO WELLCHECK. SWI. RDMO @ 2000hrs ON 7/12/2018.

**8/7/2018:** MIRU BASIN WL. RIH AND PERFORATE PT LOOKOUT IN 1 RUN (45 SELECT FIRE SHOTS, 1 SPF, 0.34 HOLES) AS FOLLOWS: 5312', 5311', 5310', 5309', 5308', 5244', 5243', 5242', 5241', 5227', 5226', 5225', 5170', 5169', 5168', 5167', 5166', 5165', 5164', 5163', 5162', 5154', 5153', 5152', 5151', 5150', 5149', 5148', 5147', 5146', 5145', 5144', 5143', 5142', 5141', 5140', 5139', 5138', 5136', 5135', 5134', 5133', 5132', 5131', 5130'. FOAM FRAC'D PT LOOKOUT WITH 152,040 LBS 40/70 AND 45,503 GAL SLICKWATER AND 1.37 MILLION SCF N2. 70 QUALITY. AVG RATE = 56 BPM, AVG PSI = 1886. ISIP WAS 200 PSI. DROPPED 10 BIO-BALLS WITH 1/2 OF SAND PUMPED. RIH AND SET FRAC PLUG @ 5070'. TEST FRAC PLUG TO 3000 PSI. DID NOT HOLD. RIH AND SET 2<sup>ND</sup> FRAC PLUG @ 5044'. TEST FRAC PLUG TO 3000 PSI. TST GOOD. PERFORATE MENELEE IN 1 RUN (45 SELECT FIRE SHOTS, 1SPF, 0.34 HOLES) AS FOLLOWS: 5030', 5029', 5028', 5027', 5026', 5025', 4986', 4985', 4984', 4983', 4958', 4857', 4956', 4955', 4954', 4926', 4925', 4924', 4923', 4922', 4921', 4908', 4907', 4906', 4905', 4850', 4849', 4848', 4847', 4846', 4845', 4844', 4843', 4776', 4775', 4774', 4773', 4738', 4737', 4736', 4735', 4734', 4733', 4732', 4731'. FOAM FRAC'D MENELEE WITH 200,560 LBS 40/70 AND 55,766 GAL SLICKWATER AND 1.92 MILLION SCF N2. 70 QUALITY. AVG RATE = 55 BPM, AVG PSI = 2243. ISIP WAS 890 PSI. RIH AND SET CBP @ 4610'. PLUG HOLDING. RELEASE FRAC CREWS.

**8/8/2018:** MIRU. ND FRAC STACK AND LOAD OUT – NU 3M BOP. INST TWCV – RU WRK FLR. MY 3-7/8" JNK MILL AND TIH ON 2-3/8" TBG. BREAK CIRC W/AIR AND UNLOAD CSG @ 3050' SLICK WATER. CONT TIH – TAG CBP @ 4596' BRING ON AIR AND UNLOAD CSG. SWI. SL. SDFN.

**8/9/2018:** F/SWVL UP AND DRL OUT PLUGS. NO WELL PRESSURE. SWVL UP & BREAK CIRC W/AIR MIST. CL F/4596' TO 4603'. MILL CBP F/4603'. CONT TIH W/3-7/8" MILL, TAG TOP FRAC PLG @ 5035'. BREAK CIRC AND MILL PLG F/5035' TO 5037'. TIH TO SECOND FRAC PLUG @ 5140'. MILL SECOND FRAC PLUG TO 5485'. CIRC CLEAN. TOH TO 4580'. SWI. SL. SDFN.

**8/10/2018:** TIH F/4580' TO 5485'. SWVL UP AND BREAK CIRC W/AIR MIST. MILL PLUG DEBRIS F/5485' TO 5489' AND CO T/CIBP @ 5500'. MILL OUT CIBP TO 5503'. CLEAN OUT TO 7386'. CIRC CLEAN. TOH W/3-7/8" MILL. MU 2-3/8" BHA. TIH W/133 JTS OF 2-3/8". 4.7# J-55 PROD TBG TO 2200'. SWI. SL. SDFN.

**8/11/2018:** TOH W/BHA. CO EXPENDABLE CHK. TIH W/BHA. LND TBG @ 7298' AND SN @ 7296'. RD WRK FLR. ND BOP. NU WH AND TREE. PMP 2 BBLs AND DROP BALL. TST TBG TO 500 PSI W/AIR, OK. PMP 3 BBL PAD AND PMP OFF CHK W/1700 PSI. CIRC INHIB TO SURFACE. RDMO @ 1430hrs ON 7/11/2018.