

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

JUL 17 2018

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

Farmington Field Office
Bureau of Land Management

5. Lease Serial No. **NMSF077092A**

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 Hilcorp Energy Company		8. Well Name and No. HOUCK COM 1E
3a. Address 382 Road 3100, Aztec, NM 87410	3b. Phone No. (include area code) 505-599-3400	9. API Well No. 30-045-26179
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface Unit M (SW/SW) 790' FSL & 790' FWL, Sec. 01, T29N, R10W		10. Field and Pool or Exploratory Area Blanco Mesaverde/Basin Dakota
		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			
<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 <i>bf</i>	<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 recompleate 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 recompleation 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.)

See attached details on Mesaverde Recomplete.

ACCEPTED FOR RECORD

JUL 18 2018

FARMINGTON FIELD OFFICE
By: *[Signature]*

[Stamp: RECEIVED JUL 23 2018 DISTRICT III]

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Priscilla Shorty		Title Operations/Regulatory Technician - Sr.
Signature <i>Priscilla Shorty</i>		Date 7/17/2018

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.

NMOGD AV

6/5/2018 – MIRU Expert Downhole SLU. RIH & retr plngr & BHBS. RDMO SLU. MIRU AWS 840. Spot equip. ND WH. NU & PT BOP. Test ok. TIH and tag @ 6903' (19' fill). SWI. SDFN.

6/6/2018 – MIRU Tuboscope. TOH 209 jts 2-3/8" tbg, SN & 2-3/8" x 13' pc of tail jt. Found tail jt parted. Left in hole 20' tail jt fr/ 6902' – 6922'. TIH w/ csg scraper. PU & TIH w/ CIBP, set @ 4775'. Circ csg w/ 134 bbls. Attempt to PT csg w/ no results. Press fr/250 – 0 in 5 sec. TOH w/ tbg & BHA. SWI. SDFN.

6/7/2018 – TIH w/ 4-1/2" pkr & set @ 2819' (liner top @ 2792'). Attempt to PT csg w/ no results. Press fr/250 – 0 in 90 sec. Attempt to PT TCA w/ no results. Release pkr & TIH 61 jts 2-3/8" tbg. Set pkr @ 4760' (CIBP @ 4775'). PT csg to 2000 psig for 15 min. Test ok. Set pkr & isolate 5 more times & pkr failed. TOH tbg & pkr. Found pkr missing 1 slip. TIH new pkr & tbg. Cont isolate csg lk. Results fr/tst: 4,775' - 3,531' press to 2,000 psig, 3,531' - 3,499' establish injection rate @ 1.25 BPM w/900 psig & 3,499' - surface press to 1,000 for 25" (earlier TCA fail due to damaged pkr). TOH tbg & pkr. SWI SDFN.

6/8/2018 – **Trouble call to Charlie Perrin, NMOCD. Notified him of casing integrity and squeeze job. He requested a CBL prior to giving approval to casing squeeze.** MIRU Basin WL. Run CBL fr/4769'-surface. TOC in 4-1/2" @ 3980'. No cmt fr/ 3980'-2792' (top of liner). RDMO WL. **Sent CBL to NMOCD. Called Charlie Perrin, NMOCD, and discuss plans to perforate and squeeze prod csg. Verbal approved received to move forward with plans.** MIRU Basin WL. RIH w/ perf gun & perf sqz holes @ 3965'(3 shots). RDMO WL. TIH and set pkr @ 3562'. Establish circ through sqz holes. Rls pkr. SWI SDFN.

6/9/2018 – TIH and set CICR @ 3916'. MIRU Drake Energy Services cmt equip. PT pmp & lines to 3,000 psig. Tst OK. Sqz csg w/94 sx Type G cmt (mixed @ 14.6 ppg, 1.37 cu ft/sx, 126 cu ft). Pmp dwn tbg w/22.9 bbls cmt. Flshd dwn tbg w/14.6 bbls @ 1 BPM & 325 psig. ISIP 125 psig. Stung our of CICR. Reverse circ tbg cln. RDMO cmt equip. TOH tbg & stinger. SWI. SDFWE. No reps on loc to witness ops.

6/11/2018 – **Notified BLM of the squeeze work and approval was given.** PT csg to 510 spig. Press fr/510 to 390 in 15 min. TIH and tag @ 3826' (100' cmt). DO cmt fr/3816'-3910'. Circ cln. MIRU Basin WL. Run CBL fr/3874'-2792'(liner top). TOC in 4-1/2" @ 3480'. No cmt fr/3480'-2792'(top of liner). RD WL. Att to EIR w/ no results. Press to 1200 psig & slow bleed off. MIRU cmt equip. Pump balance w/ 20 sx Type G cmt (mixed @ 15.8 ppg, 1.14 cuft/sx,22.8 cu ft). Sqz on plug. RDMO cmt equip. SWI. SDFN. No reps on loc to witness ops.

6/12/2018 – Tag cmt @ 3340'. DO cmt fr/3340'-3563'. Circ cln. PT csg to 620 psig. Press fr/620-590 in 30 min. SDFN.

6/13/2018 - MIRU Wellcheck. PT csg to 610 psig. Press fr/610 - 598 psig in 30". PT OK. **Jonathan Kelly w/NMOCD on loc to witness ops & approve MIT.** RDMO Wellcheck. Tg cmt @ 3,880'. DO cmt fr/3,880' - 3,916' (CICR). DO 6" of CICR & bit plugging on rubber elements. Cont DO CICR. Trouble with rubber plugging bit for 45". DO past rubber & drill for 1.5 hrs. Bit spinning freely w/no torque & tr metal returns. RD pwr swl. SDFN. SWI. SDFN.

6/14/2018 - RU pwr swl. Cont DO CICR 3 hrs. DO cmt fr/3,918' - 3,938'. Cont trouble w/bit plugging off & unable to free plg @ 3,928'. Cont DO cmt fr/3,938' - 3,965'. RD pwr swl. Tag CIBP @ 4775'. TOH LD tbg. ND BOP. NU recompletion spool & BOP. SWI. SDFN.

6/15/2018 – RU E-line. Perforate from 4739' to 4102' in 2 runs (total 80 shots). **Perforate Point Lookout in 1 run (28 select fire shots) as follows: 4739', 4738', 4737', 4736', 4728', 4727', 4726', 4714', 4713', 4712', 4668', 4667', 4666', 4665', 4657', 4656', 4655', 4654', 4653', 4652', 4651', 4650', 4649', 4648', 4647', 4646', 4645' and**

4644' 0.34" dia holes. Perforate Lower Menefee in 2 runs (15 select fire shots) as follows: 4575', 4574', 4573', 4561', 4560', 4559', 4490', 4489', 4488', 4470', 4469', 4468', 4426', 4425' and 4424'. Perforate Upper Menefee in 1 run (12 select fire shots) as follows: 4252', 4251', 4250', 4238', 4237', 4236', 4218', 4217', 4216', 4187', 4186' and 4185'. Perforate Cliffhouse upper in 1 run (25 select fire shots) as follows: 4168', 4167', 4166', 4165', 4160', 4159', 4158', 4152', 4151', 4150', 4145', 4144', 4143', 4140', 4139', 4138', 4137', 4136', 4108', 4107', 4106', 4105', 4104', 4103' and 4102'. RD E-line. MU pkr and set @ 4008'. RD work flr. Test csg & pkr to 500 psi. Test ok. ND BOP. NU frac stack. PT tbg and stack to 7000 psi f/5 min, 8000 psi f/5 min and 9000 f/ 30 min. SDFN.

6/18/2018 – RD RR AWS 840 @ 7:00 hrs on 6/18/2018.

7/5/2018 – RU frac crew. Broke down well with water and 1000 gal 15% HCL. **Foam frac'd Mesaverde with 299,740# 40/70 and 85,040 gal slickwater and 2.78 million SCF N2. 70 quality.** Dropped 15 bio-balls with 1/3 of sand pumped and 7 bio-balls with 2/3 of sand pumped (22 total). RD and release frac crew.

7/7/2018 – MIRU AWS 840. SDFN.

7/9/2018 – KW w/ 30 bbls. Install 2 way chk. ND frack stack. NU BOP. MIRU Wellcheck. PT BOP & WH. Test ok. Release pkr and tbg hanger. TOH & LD 128 jts tbg. Well KO flwg. KW w/ 40 bbls. ND BOP & recompletion spool. NU BOP. TIH w/ 3-7/8" junk mill & 114 Jts 2-3/8". SWI SDFN.

7/10/2018 – Tag fill @ 4721' (54' fill). RU pwr swivel. CO fill to CIBP @ 4775'. DO CIBP. Circ cln. Tag remainder of CIBP @ 6901' (PBTD/Fish @ 6902'). TOH w/ tbg & BHA. **TIH expendable chk w/ mule shoe, SN, 1 jt 2-3/8", 2-3/8" x 2' tbg sub, 207 jts 2-3/8" 4.7# J-55, 2 – 2-3/8" x 10' tbg subs & 6 jts.** Tag PBTD @ 6901'. TOH & LD 5 jts 2-3/8" tbg. **LD Tbg. EOT @ 6793', SN @ 6791'.** SWI SDFN.

7/11/2018 – BD Well. ND BOP NU WH W/B-2 adpt. Pmp 6 bbl pad. Drop ball. PT tbg to 500 psig. Test ok. Pmp off chk @ 1050 psig. **RD RR AZ 840 @ 9:30 hrs on 7/11/2018.**

Well is now producing as Blanco Mesaverde/ Basin Dakota under DHC 4049AZ