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JUN 17 2019

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

Farmington Field
Bureau of Land Management

5. Lease Serial No.
NMSF-043260C

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
 Oil Well Gas Well Other

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

8. Well Name and No.
Fogelson 4 1E

2. Name of Operator
Hilcorp Energy Company

9. API Well No.
30-045-32883

3a. Address
382 ROAD 3100, AZTEC NM 87410

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

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

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
Surface Unit A (NENE), 975' FNL & 1085' FEL, Sec. 04, T29N, R11W

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 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.)

4/3/19 MIRU. RU SLKLN, pull plunger & bumper spring. Set 3-slip stop @ 6692'. RU 1-3" flowline t/ FB tank. SITCP: 130#, SICP:160#, BH: 0#, BD tbg & csg. ND WH, NU BOP stack & kill spool. PT pipe & blind & pipe rams, did not test. CO blind & pipe rams, TP pipe & blind rams t/250 psi (low) & 2500 psi (high) – test good. Un-seat & LD tbg hanger. Lower tbg & tag 20' fill on btm f/6826' – 6846' (PBTD). Scan tbg. SISW, SDFD.

4/4/19 SITP: 0#, SICP: 185#, BH: 0#. Open csg t/ prod pit. TIH w/ junk mill, string mill & tbg t/6598'. TOOH, stand back tbg & LD mills, TIH w/ **4.5" CIBP, set @ 6540'**. Circ hole w/ fresh wtr, , TOOH, LD tbg, top off 4.5" csg w/ wtr. PT 4.5" csg f/ 6540'-surface T/500 psi - test good, RU & attempt to load intermediate csg w/ pkr fluid, csg full. **SISW, SDFD.**

NMOCD

CA required for the E 1/2

JUN 27 2019

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

ACCEPTED FOR RECORD

Christine Brock

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

Signature

Christine Brock

Date

6/17/19

FARMINGTON FIELD OFFICE

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

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4/5/19 SITP: 0#, SICP: 0#, BH: 0#. PT CIPB, MIT 4.5" CIBP @ 6540' & 4.5" csg to surface t/ 560 psi on chart f/ 30 min. witnessed by Thomas Vermersch NMOCD – test good. TOOH w/ tbg. LD setting tool. PU& TIH w/ 4.5" CIBP, set @ 5066'. Load hole w/ fresh wtr, PT BP & csg f/ 5066' – surface t/ 2500 psi for 15 min – test good. TOOH, LD tbg, RD tongs. ND BOP stack & kill spool. Top off csg w/ FW. NU 10K psi frac valve & frac "Y". PT 4.5 csg, CIBP @ 5066' & frac stack t/ 4000 psi on chart f/ 30 min. RDRR @ 17:30 hrs on 4/5/19. SISW wait on Frac.

5/31/19 SITP: 0#, SICP: 0#, BH: 0#. RU WRLN. Perf PT .Lookout w/ 31 shots, 0.34" dia, 3-1/8" titan charge gun, select fire 1 spf @ 4476', 4485', 4492', 4497', 4502', 4504', 4507', 4619', 4622', 4625', 4630', 4642', 4646', 4653', 4663', 4670', 4677', 4682', 4700', 4704', 4714', 4724', 4727', 4739', 4749', 4758', 4784', 4786', 4798', 4805', 4819'. Correlated to CCL. POOH. RD WRLN.

6/3/19 SICP: 100#, BH: 0#. RU Frac services. PT frac and N2 lines, test good. Broke well dn w/ 500 gal 15% HCL. Frac PT. Lookout w/ 37535 gal 20# Linear Gel, 120,140 #'s 20/40 AZ sand and 1,341,550 scf N2, 70Q. Avg rate: 27.3 BPM, Avg psi: 2,385, ISIP: 105 psi. Dropped 9 RCN balls for diversion. RD frac services.

6/4/19 SICP: 940#, BH: 0#. MIRU. Lubricate in tbg hngr w/ 2-way check. Hngr would not seal. Well unloaded 136 bbl wtr. RU WRLN, set CBP @ 4003'. POOH. BD 4-1/2" csg from 4003' to surface. ND frac stack, install tbg hngr w/ shorter profile & 2-way check. NU BOP, RU well check. PT BOP pipe & blind rams to 250 psi (low) & 1750 psi (high), test good. Pull tbg hngr. MU 3-7/8" junk mill. TIH w/ mill & 17 jts tbg. SISW, SDFD.

6/5/19 SICP: 45#, BH: 0#. Open well to FB tank. Tally & cont TIH w/ tbg & junk mill from 541' to CBP @ 4003'. RU PS. Bring on air/mist. DO CBP @ 4003'. Circ hole. SD air unit. TIH from 4003' to 4900' & tagged fill. Bring on air/mist. CO fill from 4900' to CIBP @ 5066'. Cleaned out 166' fill. Circ hole clean to @ 5066'. SD air/mist. SISW, SDFD.

6/6/19 SICP: 1200#, BH: 0#. Open well to FB tank. Flow test well. TIH w/ 3-7/8" junk mill fr 4417' to fill @ 5051'. CIBP @ 5066'. RU PS. Bring on air/mist. CO fill fr 5051' - 5066' DO CIBP @ 5066'. Blow well around. SD air/mist. TIH fr 5066'-5604'. Bring on air/mist. Cont cleanup of well & dewatering. SD air/mist. TIH fr 5604' to CIBP @ 6540'. Bring on air/mist, cont cleanup of well & dewatering. SD air/mist. TOOH w. 34 stnds of tbg to 4417'. SISW, SDFD.

6/7/19 BH: 0#, SICP: 1000#. Open well to FB tank. TIH w/ tbg from 4417' to fill @ 6522' w/ CIBP @ 6540'. Circ w/ air/foam. CO 18' of fill w/ 3-7/8" mill. Blow well @ 6540'. SD air. PU 60' & flow well natural. Tagged 3' fill. Circ w/ air/mist. CO 3' of fill to 6540'. Cont to dewater well w/ air unit. TOOH w/ tbg & junk mill to 4417'. SISW, SDFD.

6/8/19 SICP: 850#, BH: 0#. Open well to FB tank. TIH w/ tbg fr 4417' to fill @ 6530' w/ CIBP @ 6540'. Circ w/ air/mist. CO fill from 6530'-6540'. Blow on well @ 6540'. PU 60'. SD air unit. Tag 8' of fill. Circ w/ air/mist. Continue CO @ 6540' until ret's were clean. SD air unit TOOH w/ tbg to 4417'. SISW, SDFD.

6/9/19 BH: 0#, SICP: 800#. Open well to FB tank. TIH f/ above MV perfs & tag fill @ 6526' (14' fill). Break circ w/ air/mist. CO fill f/ 6526'- CIBP @ 6540'. Well unloaded. PU & let well flow naturally. TIH after 1st hr & tagged 5' fill. TIH & tagged 7' fill after 2nd hr. Break circ w/ air/mist. CO fill f/ 6533'-6540' & mill on CIBP @ 6540'. Circ & dry up csg. PU above MV perfs. SISW, SDFD.

6/10/19 BH: 0#, SICP: 700#. Open well to FB tank. TIH f/ MV pers. Tag fill @ 6530' (10' fill). Break circ w/ air/mist. CO 10' fill & drill on CIBP @ 6540'. PU & circ well clean. Break circ w/ air/mist. Tag fill @ 6520' (20' fill). CO fill & Mill on CIBP @ 6540'. PU above MV perfs. SISW, SDFD.

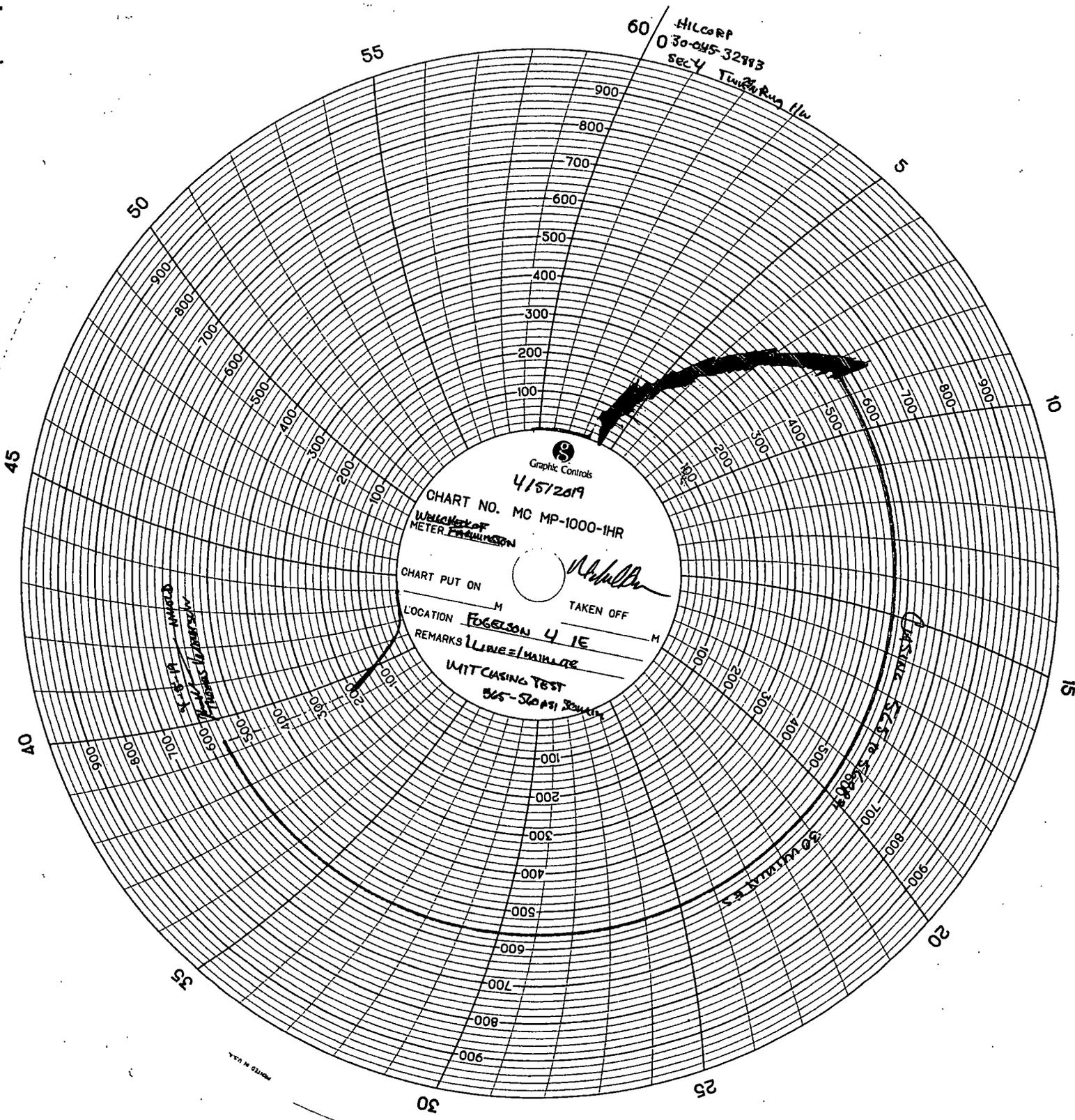
6/11/19 BH: 0#, SICP: 600#. BDW to FB tank. TIH fr above MV perfs & tag up 6555'. PU PS & break circ w/ air/mist. CO fill to 6565' (10' fill). Mill on CIBP @ 6565'. Chase plug up to 6700'. Mill on plug @ 6700'. Chase plug to 6791'. Mill on plug fr 6791'-6850' (PBTD). Circ hole clean @ 6850'. POOH w/ mill. TIH w/ prod tbg. SISW, SDFD.

6/12/19 BH: 0#, SICP: 400 #, SITP: 50 #. BDW to FB tnk. Attempt to flush tbg w/ air circ. Drop standing valve dwn tbg & Seat in SSN. Pressure up on tbg to 600 psi. Pressure bled dwn to 450 psi in 2 min. Repeated w/ same results. Pull standing valve. POOH w/ tbg. Hydro test 216 jts of prod tbg in hole. Pressured up to 1200 psi. All tbg tested & drifted ok. PI & TIH w/ tbg. Tag fill @ 6830'. Break circ w/ air/mist. CO fill fr 6830 – 6852' (PBSD). PU off bottom & circ well clean. Land 214 jts of 4.7 # J-55 prod tbg @ 6712' w/ SN @ 6711'. ND BOP, NU Upper tree. PT tbg to 600 psi, test good. Shut well in. RDRR @ 20:00 hrs.

This well is producing as a MV/DK with an approved Test Allowable C-104 & is waiting on RC C-104 approval.

Well will be a MV/DK commingled per DHC-4970-0.

HILCORP
030-045-32783
sec 4 Timber Run 1/4



Graphic Controls
4/5/2019
CHART NO. MC MP-1000-1HR
METER ~~FRAMMINGTON~~
CHART PUT ON *[Signature]* M TAKEN OFF M
LOCATION FOGELSON 4 IE
REMARKS LINE = MAINLINE
UNIT CASING TEST
865-50491 2044

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