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Form 3160-5
(August 2007)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
Farmington Field Office
Bureau of Land Management

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

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

2. Name of Operator

Hilcorp Energy Company

3a. Address

382 Road 3100, Aztec, NM 87410

3b. Phone No. (include area code)

505-599-3400

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Surface Unit D (NWNW) 885' FNL & 815' FWL, Sec. 06, T27N, R08W

5. Lease Serial No.

SF-079319

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.

Schwerdtfeger A 3M

9. API Well No.

30-045-11605

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	<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 checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	PAYADD
	<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 of work. If the proposal is to deepen directionally or recompleat 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 recompleat 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.)

5/8/19 SITP: 100#, SICP: 100#, BH: 0#. MIRU. ND WH. NU BOP. PT BOP, test ok. Pull tbg hngr. TIH tag for fill @ 6711'. LD tag jts. Scan tbg. SISW, SDFD.

5/9/19 SITP: 0#, SICP: 100#, BH: 0#. PU 3-7/8" string mill. TIH w/ tbg to 4350'. TOOH. PU 4.5" CIBP. TIH & set CIBP @ 4340'. Load & PT csg. Csg had 140 psi loss in 5 min. TOOH w/ tbg. PU tension pkr. TIH w/ pkr to Isolate leak. Set pkr @ 1313', csg (1313'-0) no leak off in 5 min. Set pkr @ 3683', csg (3683'-0') 100 psi loss in 5 min, Tbg (3683'-4340') 80 psi loss in 5 min. Set pkr @ 4329', Tbg (4329'-4340') 50 psi loss in 5 min. Tested seals on tbg head to 2000 psi. 500 psi pressure loss in 5 min. TOOH w/ tbg. SISW, SDFD.

5/13/19 SICP: 100#, BH: 0#. PU & TIH to 4330' w/ 4.5" FB pkr on tbg. PT csg fr 4340' to surface to 650 psi. Bled dwn 120 psi in 5 min. Set pkr & PT tbg & CIBP to 650 psi. Bled dwn 120 psi in 5 min. Drop stand valve & seat in SSN. Hunt hole in tbg. Found bad collar in 19- stnds fr surface. Replaced bad jts. TIH to 4330' & retest tbg to 1100 psi. Held ok f/ 20 min. Retrieve stand valve. Reset pkr @ 4330' & PT tbg, pkr & CIBP to 1200 psi. Held ok f/ 20 min.

Continued on next page

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

Christine Brock

Title Operations/Regulatory Technician - Sr.

Signature

Christine Brock

Date

7/11/19

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)

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ACCEPTED FOR RECORD
JUL 23 2019
FARMINGTON FIELD OFFICE

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5/14/19 SICP: 0#, BH: 0#. TIH w/ 4.5" FB pkr to 2806'. Set pkr @ 2806'. Search for smaller lk fr 2806'-4071', set prk multiple times: 2806', 3121', 3422', 3843', 3942', 4071' & 4039'. Isolated lwr lk fr 4039'-4071'. Unset pkr & POOH. TIH w/ 4.5" RBP. Set RBP @ 3795'. POOH w/ setting tool. TIH w/ 4.5 FB pkr, set @ 2092'. PT csg fr 2092'-3121'. Testing @ multiple intervals, 2092', 2186', 3121', 2498', 2559', 2683, 2806', 2932', 2992', 3056', 3089' & 3121'. Small lk averaging 60 psi drop in 5 min fr 2092'-3121'. Csg held fr 3121'-3795' (RBP). Unset pkr & pull up 5-stnds. SISW, SDFD.

5/15/19 BH: 0 #, SICP: 0#. POOH w/ prk. TIH w/ RBP run in tandem w/ 4.5" pkr. Set RBP @ 3050'. Pull up & set prk @ 2991'. PT dwn tbg to 630 psi. RBP, csg & prk held 630 psi 5 min ok. Release pkr & pull up to 2683' & reset. Test dwn tbg to 580 psi, held 580 psi 5 min ok. Release pkr & pull up to reset. Pkr hung up. Work pkr free. POOH w/ pkr. TIH w/ 3-7/8" bit & 4.5" string mill on tbg. Work stuck pkr through DV tool @ 2430' w/ mill using PS. Cont in hole to RBP top @ 3050'. Roll hole @ 3045'. TOOH w/ bit & mill. TIH w/ 4.5" FB pkr. Set pkr @ 2373' & PT csg fr 2373'-3050' to 575 psi. Held 5 min ok. Test across DV tool @ 2430', test good. Unset pkr & pull up to 2247'. SISW, SDFD. **Reported to BLM (Jim Lovato) & NMOCD (Monica Kuehling) of failed MIT & that we are searching for holes.**

5/16/19 SICP: 0#, BH: 0#. Set pkr @ 2247'. PT csg fr 2247'-3050' @ 580 psi. Held 5 min ok. Rest pkr @ 2122'. PT to 580 psi & hold 5 min, held ok. Pull up & reset prk @ 2090'. PT to 575 psi, bled off 10 psi in 5 min. Unset pkr. POOH. Make 2 clean out runs to the RBP @ 3050' using a reverse circulation system. Recovered small amounts of metal slips on both trips, springs & ground up metal trash. SISW, SDFD.

5/17/19 BH: 0#, SICP: 0#. Make 2 clean out runs to the RBP @ 3050'. Using the reserve circulating tool. 1st run - recovered 8 chunks of slips. 2nd run did not recover anything. TIH w/ RBP retrieving head. Latch on RBP & work RBP free. Plug dragged through DV Tool @ 2430' but come on through. Plug on the bank 100% recovery. Make bit & string mill run to 3185'. Circ 45 min. Hole clean, POOH w/ bit & mill. SISW, SDFD. **Requested permission to squeeze. Rcv'd NMOCD approval (Monica Kuehling) on 5/17/19 and BLM (Jim Lovato) approval on 5/18/19.**

5/19/19 SICP: 0#, BH: 0#. TIH w/ 4.5" semi composite bridge plug. Set plug @ 3795'. POOH w/ setting tool. TIH w/ 4.5" FB pkr w/ 245' of 2-3/8" tbg as tail pipe. Set @ 3183' w/ EOT @ 3430'. Using the rig pump, PT plug (3795') & pkr to 990 psi. Held 15 min ok. Bleed off. Pull up to 3123' (EOT) w/ pkr @ 2870' & leave pkr hanging. SISW, SDFD.

5/20/19 BH: 0#, SICP: 0#. RU cementers. Break circ w/ FW. Mix & spot in 10 sx of Type III Cement fr 3123'-2998' mixed @ 14.6 ppg. Slowly pull up to 2933' & reverse out 25 bbls of fluid. No cement, pulled up to 2747' & set FB pkr @ 2497'. Pressure up on cement to 1000 psi. Bled dwn to 900 psi in 5 min. Bump back up to 1000 psi. Bled dwn to 900 psi in 6 min. Bumped pressure back up to 1000 psi. Bled dwn to 900 psi in 15 min. Bumped back to 1000 psi. No bleed off. SISW, WOC. Sqz'd approx. 2 sks into leak.

5/21/19 BH: 0#, SICP: 0, SITP: 350#. Unset FB pkr & pull up to top sqz interval 2095'-1970'. RU cmenters. Break circ w/ FW. Mix, pump & spot 10 sx of Type III cement mixed @ 14.6 ppg fr 2095'-1970'. Slowly pull up to 1908'. Reverse out 20 bbls of water. No cement. Pull up to 1719' & set FB pkr @ 1469'. Pressure up on cement to 1000 psi. Bled off 150 psi in 5 min. Bump pressure back up to 1040 psi. Bled off 80 psi in 5 min. Bump pressure back up to 1000 psi. Bled off 125 psi in 15 min. Bumped pressure back up to 1015 psi. SI after 5 min @ 1000 psi. Squeezed a total of 1/4 bbl (1sk of cmt) into lk. WOC.

5/22/19 BH: 0#, SICP: 0#, SITP: 530#. TIH w/ twister bit on tbg. Tag up @ 2004'. PU PS & break circ w/ FW. SI well & PT csg fr 2004'-surface. Held 590 psi f/ 5 min ok. DO soft-med hard cmt fr 2004'-2025'. PT csg to 600 psi. Held 5 min ok. DO med hard cmt fr 2025'-2056'. PT csg to 580 psi, held 5 min ok. Pulled up & SISW, SDFD.

5/23/19 BH: 0#, SICP: 0#. SITP: 630#. BDW. Break circ w/ FW. DO hard cmt fr 2056'-2088'. PT interval to 580 psi. Bled dwn to 470 psi in 5 min. Bump back up to 580 psi w/ same results. DO rest of cmt to 2092'. Circ hole clean @ 2150'. POOH w/ bit. TIH w/ tbg & FB pkr to 2140'. RU Cmt services. **Requested BLM & OCD approval**

to sqz. Rcv'd approval from BLM (Jim Lovato) & OCD (Brandon Powell). Mix, pump & spot 24 sx of TM system cmt (12.5 ppg) fr 2140'-1940'. Pull up slowly to 1939' & rev out ¼ bbl cmt H2O. Pull up to 1750' & set FB pkr @ 1438'. Pressure up to 1057 psi. Bled dwn to 914 psi in 5 min. Bump pressure back up to 1050 psi. Bled dwn to 964 psi in 5 min. Bumped pressure back to 1045 psi. Bled dwn to 976 in 5 min. Bumped pressure back up to 1066 psi. Bled dwn to 1020 psi in 5 min, 984 psi in 10 min, 941 psi in 15 min. Bumped pressure back up to 1065 psi. Bled dwn to 1016 in 5 min, 985 psi in 10 min & 952 psi in 15 min. Pressured back up to 1030 psi & SWI. Put away ½ bbl of cmt into leak. WOC.

5/28/19 BH: 0#, SICP: 0#, SITP: 0#. Unset pkr. TOOH w/ tbg. LD pkr. PU cone bit. TIH w/ tbg. Tag cmt @ 1978'. PU PS. DO cmt fr 1978'-2056'. PT csg fr 3010' to surface. Pressured up on chart to 560 psi. Lost 20 psi in 30 min. LD PS. TIH, tag cmt @ 3010'. PU PS, DO cmt fr 2010'-3124'. PT csg fr 3795' to surface. Pressured up on chart to 560 psi. Lost 20 psi in 30 min. SISW, SDFD.

5/29/19 BH: 0#, SICP: 0#, SITP: 0#. CO cmt fr rig pit. TIH, tagged CIBP @ 3795'. Rolled hole w/ 2% KCL. PT csg to 560 psi (good test). Conduct MIT on csg fr 0'-3795'. MIT witnessed by John Durham w/ NMOCD. Pressured up to 540 psi (good test). PU PS. DO CIBP @ 3795'. LD PS. TIH, tag CIBP @ 4340'. LD tbg string. ND BOP. NU completion spool. NU BOP. SISW, SDFD.

5/30/19 BH: 0#, SICP: 0#, SITP: 0#. RU WRLN. Perf Menefee w/ 23 shots, .34" dia, 1 spf @ 3980', 3992', 4025', 4035', 4043', 4063', 4068', 4072', 4137', 4145', 4148', 4166', 4171', 4185', 4235', 4248', 4255', 4260', 4270', 4277', 4308', 4312', 4321'. PU AS1-X pkr & BHA. Tally & PU-110 RTS-8 Frac String. Set pkr w/ 15K compression. Land frac string in completions spool. EOT @ 3886' K.B (11' K.B). ND BOP, NU lwr master valve for frac stack. Load & PT 2-7/8" to 4 ½" annulus to 400 psi (good test). BDW. Load pressure test frac string to 8100 psi (good test). RU sandline. RIH & rupture ceramic disc. POOH. RD sandline. RDRR @ 20:30 on 5/30/19. Wait on Frac.

6/5/19 BH: 0#, SICP: 0#, SITP: 175#. RU Frac services. Prime, cool dwn & PT lines (good test). Broke down well w/ 1000 gal 15% HCL. Frac Menefee w/ 153,240# 20/40 sand, 31,805 gal 70Q 20# linear gel & 1,102,797 scf N2, Flush: 1,242 gal. SISW, SDFD.

6/6/19 BH: 0#, SICP: 0#, SITP: 1800#. RU Flowback. Flowback well. Conduct flow test. RD & release flowback.

6/17/19 BH: 0#, SICP: 0#, SITP: 1450#. MIRU. Lubricate two way check in frac string hanger. Blow down frac stack. ND 10K frac stack. NU new mud cross & BOP. PT BOP pipe & blind rams to 250 psi (low) and 200 psi (high). SISW, SDFD.

6/18/19 BH: 0#, SICP: 0#, SITP: 1450#. Finish laying two 3" line to flowback tank, Install Washington stripping head on BOP. Release lock down pins. Pull up tbg hanger & release pkr. Pull tbg hanger with two check to the rig floor. Lubricate two way check out of the tbg hngr. Blow tbg dwn. Pump kill dwn tbg. TOOH w. frac string & AS1-X pkr. Changeover to 2-3/8" Handling tools. Tally in the hole w/ tbg & junk mill to a depth of 2210'. SISW, SDFD

6/19/19 BH: 0#, SICP: 600#, SITP: 0#. Open well to Flowback tank. TIH w/ junk mill fr 2210'- tag up depth @ 4152'. CIBP @ 4340'. RU PS, bring on air unit, CO w/ air/mist 188' of fill fr 4152'-4340' (CIBP). Shut air unit dwn. Pull up hole 60'. Flow well natural for 1 hr. Began flow test after 1 hr for 30 min. Avg flowing pressure for 30 min was 1.33 psi out a 3" flow line. Tagged 23' of fill after 1-1/2 hr of natural flow. Bring on air/mist, CO fill fr 4317'-4340' (CIBP). Circ hole clean @ CIBP until sand was at a trace. SD air unit. Hang back PS. TOOH w/ 7 stands of tbg to a depth of 3909'. SISW, SDFD.

6/20/19 BH: 0#, SICP: 1000#, SITP: 0#. Open well to Flowback tank. TIH fr 3909'- fill tag up depth @ 4325'. Bring on air/mist. CO 15' of fill. . Pull up 60'. SD air unit. Flow well natural to 1 hr. Bring on air/mist, CO 10' of fill. PU 60'. SD air unit. Flow well natural for 1 hour. Tag 4' fill. Bring on air/mist. **DO CIBP @ 4340'**. SD air unit. Pick up/ tally in the hole w/ mill to depth of 6519'. Tagged 193' fill fr PBTd of 6712'. TOOH w/ mill to above top perf @ 3980'. SISW. SDFD.

Schwerdtfeger A 3M

30-045-11605

SF-079319

6/21/19 BH: 0#, SICP: 200 #, SITP: 0 #. BDW. Pump 20bbl kill dwn csg. Well dead. RIH & set 4-1/2" RBP @ 50'. Remove RBP setting jnt & tool. Load hole w/ wtr to RBP. Test csg fr RBP to surface to 300 psi, test good. Bleed pressure dwn fr test. ND BOP & remove completion spool. NU BOP. Land hngr in the tbg head. Test BOP pipe rams to 1000 psi, test good. Bleed pressure down on BOP. RIH w/ RBP retrieval tool. Unset RBP. Bleed pressure dwn. TOOH. TIH w/ mill & tbg fr 3909' to fill depth @ 6509'. RU PS. Bring on air/mist MO remain of CIBP 6509' & 15' fill. Fell thru bridge. SD air unit. RIH w/ mill to 6691' & tagged up. PBTD @ 6612 & bottom perf @ 6696'. Bring on air/mist. Mill @ 6691'. TOOH w/ mill. MU BHA for production tbg. Trip/drift in hole w/ 2-3/8" tbg to final CO depth of 6691'. Tagged no fill. TOOH to 6519'. SISW. SDFD.

6/22/19 BH: 0#, SICP: 250 #, SITP: 0 #. BDW. TIH fr 6519' – 6691'. Tagged no fill. LD tag up jts. Land 209 jts of 4.7 # J-55 prod tbg @ 6597' w/ SN @ 6595'. ND BOP, NU WH. Pump 5 bbl wtr pad dwn tbg. Drop pump off ball. Bring on air unit. PT tbg to 500 psi, test good. Pump off X/CK @ 1120 psi. Blow well around. SD air unit. Shut well in. RDRR @ 10:00 hrs.

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

Well will still be a MV/DK commingled per DHC-1116-0.

Test witnessed by John Durham with NMOC D⁵

