Form 3160-5
(June 2015)

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

5. Lease Serial No.
NMNM03040A

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.
891000439A

1. Type of Well
☐ Oil Well ☒ Gas Well ☐ Other

8. Well Name and No.
SAN JUAN 29-6 UNIT 86

2. Name of Operator
HILCORP ENERGY COMPANY
Contact: TAMMY JONES
E-Mail: tajones@hilcorp.com

9. API Well No.
30-039-07516-00-C1

3a. Address
1111 TRAVIS STREET
HOUSTON, TX 77002

3b. Phone No. (include area code)
Ph: 505.324.5185

10. Field and Pool or Exploratory Area
BASIN DAKOTA
BLANCO MESAVERDE

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 27 T29N R6W SESW 0790FSL 1800FWL
36.691500 N Lat, 107.452640 W Lon

11. County or Parish, State
RIO ARRIBA COUNTY, NM

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Hydraulic Fracturing	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☒ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
BP	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ 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.

Hilcorp Energy repaired the casing in the subject well, attached is a summary of operations, MIT chart & wellbore schematic.

NMOCD
OCT 21 2019
DISTRICT III

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #488628 verified by the BLM Well Information System
For HILCORP ENERGY COMPANY, sent to the Farmington
Committed to AFMSS for processing by JOE KILLINS on 10/18/2019 (20JK0006SE)

Name *(Printed/Typed)* TAMMY JONES — Title REGULATORY SPECIALIST

Signature (Electronic Submission) — Date 10/17/2019

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By ACCEPTED — Title JOE KILLINS ENGINEER — Date 10/18/2019

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 ****

FV

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8/16/19 (BH 165#) Notified Brandon Powell, NMOCD & Joe Killins, BLM of BH pressure. MIRU. ND WH. NU BOP & PT, test good. Pull tbg hanger & TIH, tag @ 7639'. TOOH w/2-3/8" tbg. SDON.

8/17/19 (BH 140#) TIH w/3-3/4" bit & csg scraper to 3977'. TOOH w/bit & csg scraper. TIH w/4.5" RBP, set @ 3890'. Load csg & PT 500#, loss in 2 mins. TIH w/pkr, set @ 2533'. PT csg & RBP to 580#/10 mins, no leak off. PT csg above pkr to 500#, loss in 2 mins. PUH w/pkr 10 stands at a time, to isolate leak. Isolate holes in csg between 60' & 90'. Csg tested good 90' to RBP @ 3890' & 60' to surface. Est inj rate into holes between 60' & 90' @ 0.50 bpm @ 400 psi & 0.75 bpm @ 700 psi to surface. SDON. **Verbal approval from Brandon Powell, NMOCD & Joe Killins, BLM to bullhead cmt sqz dwn 4.5" csg from surface; circulating cmt out holes to surface, once BH pressures is minimal to none.**

8/18/19 (BH 0#) RU cmters. Est rate thru holes @ .7 bpm @ 900#. Returns out BH valve. Mix & pump 40 sx Class G neat (46 cf - 8 bbls) = 1.15 yld cement. Circ 2 bbls good cmt out BH. Displace w/.5 bbls wtr. RD cmters. SI BH & pressure csg to 300#. SIW. SDON.

8/19/19 (BH 0#) TIH w/3-7/8" bit, tag cmt @ 45'. Swivel up & D/O cmt, fall out of cmt @ 65'. Circ clean. Swivel dwn to 131'. TOOH w/bit. PT 4.5" csg & sqz job, pumping 1 BPM @ 420# (22 total bbls pumped), no returns out BH. TIH w/pkr & set @ 90'. PT csg below pkr & RBP @ 3890' to 590#/30 mins, good. TOOH w/pkr. SIW. SDON. **Verbal approval from Brandon Powell, NMOCD & Joe Killins, BLM to pump another cmt sqz from surface dwn (with 2% CACL2) to cover annular volume dwn to surface shoe + 50% or more excess cmt.**

8/21/19 (BH 0#) RU cmters. Est rate @ 1.3 bpm @ 650# out csg hole @ 65', no returns out BH. Mix & pump 100 sx Class G neat w/2% CACL2 (114 cf - 20 bbls) = 1.14 yld cement @ 15.8 ppg 1 bpm @ 580#. Slow rate to .5 bpm @ 290# & continue to pump another 100 sx Class G neat w/2% CACL2 (114 cf - 20 bbls) = 1.14 yld cement. Displace w/.25 bbls wtr. Attempt to pressure up on sqz, inj rate .6 bpm @ 150#. Mix & pump 100 sx Class G neat w/3% CACL2 (114 cf - 20 bbls) = 1.14 yld cement (.6 bpm @ 150#). Displace w/.25 bbls wtr. Hesitate 1 hr. Displace .25 bbls wtr. Attempt to pressure up on sqz, inj rate .25 bpm @ 200#. Mix & pump 100 sx Class G neat w/3% CACL2 (114 cf - 20 bbls) = 1.14 yld cement @ 15.8 ppg .4 bpm @ 150#. Displace w/.25 bbls wtr. SIW. RD cmters. Open csg vlv, no flow or vacuum. WOC.

8/23/19 (BH 0#) TIH w/3-7/8" bit. Swivel up & D/O cmt at surface to 117'. TIH to 155'. Circ hole clean. TOOH w/bit. Load 4.5" csg & attempt to PT to 400#, pressure dropped to 340#. Pumping into leak @ 65' @ 1 BPM @ 340#. TIH w/pkr & set @ 90'. PT csg below pkr to RBP @ 3890' to 630#/15 mins, test good. Rls pkr & TOOH. SIW. SDON. **Verbal approval from Brandon Powell, NMOCD & Joe Killins, BLM to pump another sqz into leak with Thixotropic cement.**

Continued on Page 2

8/24/19 (BH 0#) RU cmters. Est rate @ 1 bpm @ 235# out csg hole @ 65'. Mix & pump 200 sx Thixotropic cmt (364 cf - 65 bbls) = 1.82 yld cement @ 13.5 ppg 1 bpm @ 170#. RD cmters. SIW. SDON.

8/26/19 (BH 0#) TIH w/3-7/8" bit. D/O cmt 24' to 121'. TIH to 154' & circ clean. TOOH w/bit. PT csg to 480# & broke back to 380#, inj rate 1.5 BPM @ 280#. TIH w/pkr & set @ 90'. PT csg below pkr to RBP @ 3890' to 700#/30 mins, test good. Rls pkr & reset @ 25'. PT csg above pkr to surface @ 400#/15 mins, test good. No communication to BH during PTs. Rls pkr & TOOH. SIW. SDON. **Verbal approval from Brandon Powell, NMOCD & Joe Killins, BLM to pump another sqz into leak with LCM & cement.**

8/27/19 (BH 0#) TIH w/tbg, tag sand on RBP @ 3851'. TOOH w/tbg. RD floor. ND BOP. NU B2. RU cmters. Est rate @ 1 bpm @ 240# out csg hole @ 65'. Pump 2.5 bbls 10# mud w/45 VIS & 18% LCM @ 1 BPM to 640#. Pump 2.5 bbl water spacer, pressure drop to 400#. Pump 18 bbls 10# mud 1 BPM @ 400#. Pump 5 bbl spacer. Mix & pump 300 sx Class G neat cmt w/2% CACL2 & E-flake LCM (342 cf - 61 bbls) = 1.14 yld cement @ 15.8 ppg 1 bpm @ 260#. Displace w/.1 bbl wtr. RD cmters. SIW. WOC. Rig released.

9/23/19 (BH 0#) MIRU. ND WH. NU BOP & PT, test good. TIH w/3-7/8" rock bit. D/O cement to 170'. TIH to 214', circ well clean. SI & PT csg, test failed 560# to 0# in 1 min – no injection rate. SDON.

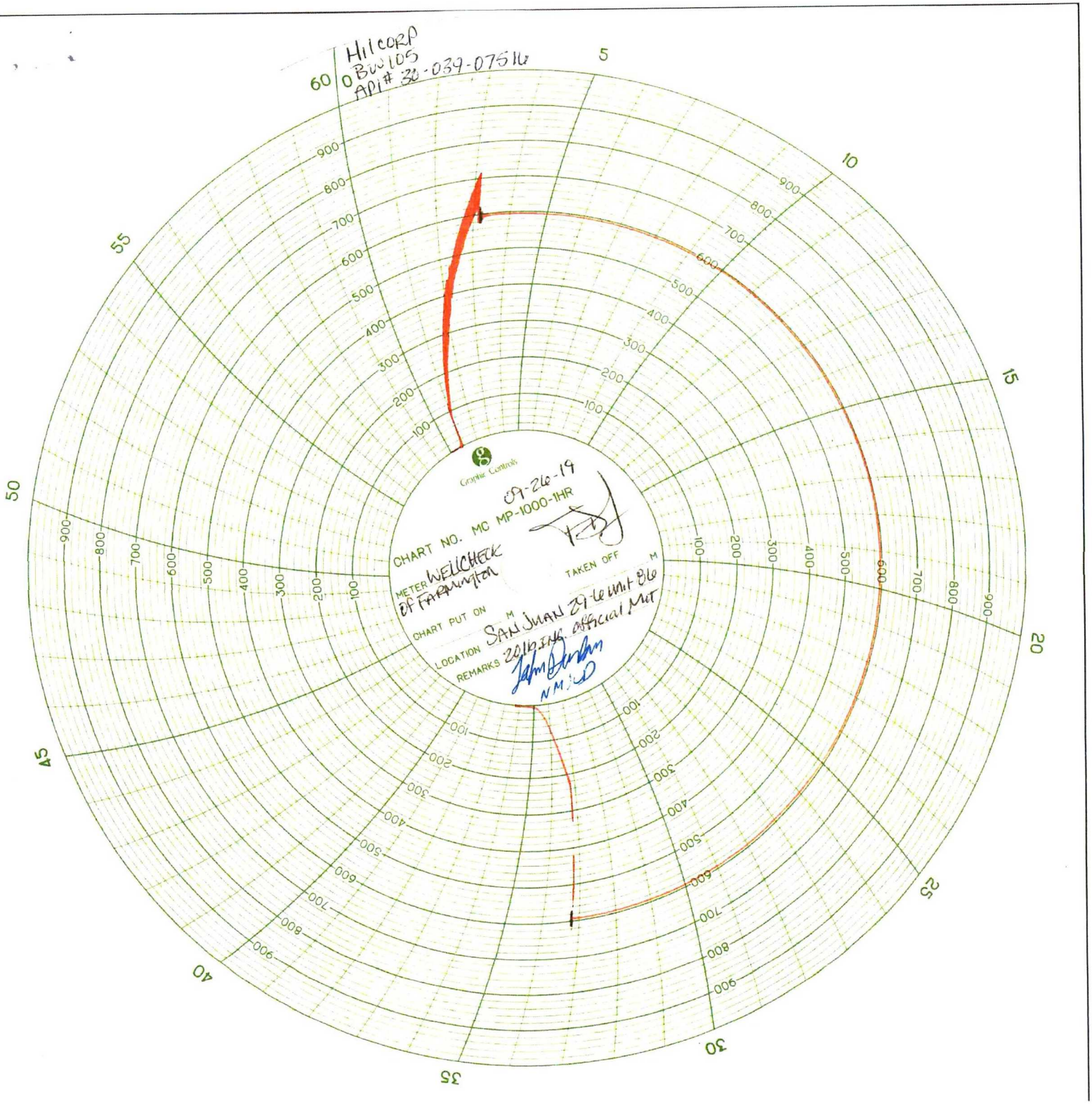
9/24/19 Verbal approval from Brandon Powell, NMOCD & John Hoffman, BLM to run internal casing patch & MIT.

9/25/19 (BH 0#) TOOH w/3-7/8" rock bit. TIH w/pkr to 101' & PT RBP @ 3890', test good 600#/15 mins. Pull pkr & TOOH. TIH w/retrieving head, tag fill on top RBP. Swivel up & C/O to RBP @ 3890'. Rls RBP & TOOH w/RBP. TIH w/4.5" CIBP, set @ 3890'. Roll well clean. TOOH. TIH w/pkr & test 90' down to CIBP, good. PUH w/pkr & test 60' to surface, good. TOOH, LD tools. SDON.

9/26/19 (BH 0#) Spot in building csg patch. TIH & set 4.052" 11.6# L-80 csg patch from 50' to 112'. Pull setting tools (top starting swedge pulled out w/setting tools). Attempt to MIT, fail 250# in 2 mins. TIH & force swedge 1/2" into top of csg patch, swedge stayed in place. TOOH. Perform NMOCD witnessed MIT, 600#/30 mins - test good. TIH w/3-1/4" mill, tag CIBP @ 3890'. Swivel up & D/O CIBP. Pull slimhole collars. TIH to 4600', pump 250 gals acid. TIH to 7400', pump 250 gals acid. Flush w/2 bbls wtr. SIW. SDON.

9/27/19 (BH 0#) Tag fill @ 7629'. CO to 7649'. Dry up well. PUH to 7490'. SDON.

9/28/19 (BH 0#) TOOH w/mill. TIH w/242 jts 2-3/8" 4.7# J-55 EUE tbg land @ 7602', SN @ 7600'. ND BOP. NU WH. PT tbg to 500#, good & pump off plug. RD. Rig released.


Hilcorp
Bu#105
API# 30-039-07516
Graphic Controls
09-26-19
CHART NO. MC MP-1000-1HR
METER WELLCHECK OF FARMINGTON
TAKEN OFF
CHART PUT ON
LOCATION SAN JUAN 29-6 UNIT 86
REMARKS 2018 INC. Official Met
NM

Hilcorp Energy Company

Current Schematic - Version 3

Well Name: SAN JUAN 29-6 UNIT #86

API / UWI	Surface Legal Location	Field Name	Route	State/Province	Well Configuration Type
3003907516	027-029N-006W-N	MV/DK COM	1306	NEW MEXICO	Vertical

Ground Elevation (ft)	Original KB/RT Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)
6,317.00	6,330.00	13.00		

Vertical, Original Hole, 10/17/2019 9:32:55 AM