

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

RECEIVED

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.

5. Lease Serial No. **SF-077806**
6. If Indian, Allottee or Tribe Name **Farmington Field Office**
Bureau of Land Management

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. Huerfano Unit
2. Name of Operator Hilcorp Energy Company		8. Well Name and No. Huerfano Unit 179
3a. Address 382 Road 3100, Aztec, NM 87410	3b. Phone No. (include area code) 505-599-3400	9. API Well No. 30-045-20256
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Surface Unit F (SENW) 1750' FNL & 1650' FWL, Sec. 14, T26N, R10W		10. Field and Pool or Exploratory Area Basin DK / Huerfano PC
		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 type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input checked="" 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 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.)

The subject well was P&A'd on 5/28/2019 per the attached final activity report and plugged wellbore diagram.

NMOCD

JUN 13 2019

DISTRICT III

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed) Christine Brock		Title Operations/Regulatory Technician - Sr.
Signature <i>Christine Brock</i>		Date <i>6/3/19</i>

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by	Title FARMINGTON FIELD OFFICE	Date JUN - 7 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 By: <i>OK</i>	

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.

NMOCD

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Hilcorp Energy
Company
PO Box 4700
Farmington, NM 87499



P.O. Box 1979, Farmington, NM 87499
(505) 325-2827

Name: Huerfano Unit 179
API:30-045-20256

Well Plugging Report

Cement Summary

Plug #1 - (Dakota) Mixed and pump 16sxs (18.4 cuft 3.27 slurry 15.4 ppg) Class "G" cement with 2% CaCl₂ from 6640'KB to 6440'KB TOC.

Plug #1A - (Dakota) Mixed and pump 16sxs (18.4 cuft 3.27 slurry 15.4 ppg) Class "G" cement with 2% CaCl₂ from 6602'KB to 6402'KB TOC.

Plug #1B - (Dakota) Mixed and pump 16sxs (18.4 cuft 3.27 slurry 15.4 ppg) Class "G" cement with 2% CaCl₂ from 6583'KB to 6383'KB TOC.

Plug #1C - (Dakota) Mixed and pump 40sxs (46 cuft 8.19 slurry 15.7 ppg) Class "G" cement with 2% CaCl₂ from 6581'KB to 6068'KB TOC.

Plug #2 - (Gallup, Mancos, and Mesaverde) With CR @ 3360' (set early) mix and pump 230sxs (264.5 cuft 47.1 slurry 15.4 ppg) Class "G" cement from 5750'KB to 3360'KB; 44sxs outside of 4-1/2" casing and 186sxs inside.

Plug #3 - (Top of CR and Chacra) With CR @ 3360' mix and pump 62sxs (71.3 cuft 12.69 slurry 15.6 ppg) Class "G" cement from 3360'KB to 2560'KB TOC. Tag TOC @ 2427'.

Plug #4 - (Pictured Cliffs & Fruitland Tops) Mix & Pump 27sxs (15.8 PPG, 31 CUFT, 5.5 BBL Slurry) Class G Cement from 2155' - 1807' TOC.

Plug #5 - (Kirtland & Ojo Tops) Mix & Pump 22SXS (15.8 PPG, 25.3 CUFT, 4.5 BBL Slurry) Class G Cement from 1453' - 1170' TOC.

Plug #6 - (Surface 260'-0') Mix & Pump 96sxs (15.8 PPG, 110.4 CUFT, 19.6 BBL Slurry) Class G Cement from 260' - 0'.

Surface Top Off - Mix & Pump 16sxs (15.8 PPG, 18.4 CUFT, 3.2 BBL Slurry) Class G Cement.

Work Detail

PUX
05/20/2019

Activity
HSM and JSA. S&S equipment.
Load, secured and pre-trip equipment for rig move.
Rig move from A Plus yard to location.
Spot equipment and LOTO pulling unit (Road/Hoist).
RU pulling unit and pumping unit.
Check WH pressures, SITP-430#, SICP-460#, SIBHP-10#. RU bleed off lines.
Attempt to bleed down pressure. Engineer requested to SI well and monitor pressure every ten minutes, SICP-15# increased from 15# to 90#, 90# to 170#, 170# to 230#, 230# to 280#, 280# to 320#, 320# to 350#. Open casing valve and bleed down to light blow and tubing unloaded about a BBL of fluid. SIW and repeated the process, SICP-10#, from 10# to 30#, 30# to 70#. Bleed off well.
Casing started unloading water.
RU pump to tubing and pump 60 BBLs to kill pressure.
ND WH. NU BOP and function test BOP.
RU work floor and tubing equipment.
PU and remove tubing hanger. TOOH with 35 stands. EOT at 2195'KB.
Pick 4.5" watermelon mill and tag CIBP at 6640'KB. Had to pump 60 BBLs of FW down the casing to kill pressure when string got below first set of perfs.

Laydown 1 joint then RU pump to tubing and pump 80 BBLs to attempt to establish circulation. SIW, clean and secured location. SDFD.

05/21/2019

Attend A Plus monthly safety meeting.
Load equipment and supplies, travel from A Plus yard to location.
HSM and JSA. S & S equipment.
Check WH pressures, SITP-0#, SICP-440#, SIBHP-0#. RU bleed off line.
TOOH with 102 stands and LD 4.5" watermelon mill.
RU Basin W/L. PU Log tool and RIH to log from 4800'KB to 6640'KB.
PU plugging sub, TIH with 102 stands and 1 joint to tag CIBP at 6640'KB. RU pumping unit to tubing.
Pumped Plug #1. Displace with 17 BBLs, due to the top of fluid been at 2210'KB. LD 9 joints and stand back 48 stands.
SIW, clean and secured location. SDFD. Plug will be tag in the morning do to open perms. at 2205'KB.

05/22/2019

HSM and JSA. S & S equipment.
Check WH pressures, SITP-0#, SICP-100#, SIBHP-0#. RU bleed off line.
TIH with 48 stands and pick up 8 joints to tag TOC at 6602'KB. RU pump unit to tubing.
Pumped Plug #1A. Displace with 17 BBLs, due to the top of fluid been at 2210'KB. w/ 2% calcium chloride.
Laydown 8 joints and stand back 48 stands.
W.O.C.
TIH with 48 stands and pick up 8 joints to tag TOC at 6583'KB. RU pump unit to tubing.
Pumped Plug #1B. Displace with 16.5 BBLs, due to the top of fluid been at 2210'KB. w/ 2% calcium chloride.
TOOH LD 9 joints and stand back 48 stands
SIW, clean and secured location. SDFD. Plug will be tag in the morning do to open perms. at 2205'KB.

05/23/2019

HSM and JSA. S & S equipment.
Check WH pressures, SITP-0#, SICP-50#, SIBHP-0#. RU bleed off line.
TIH with 48 stands and pick up 8 joints to tag TOC at 6581'KB. RU pump unit to tubing.
Pumped Plug #1C. Displace with 15.5 BBLs, due to the top of fluid been at 2210'KB. w/ 2% calcium chloride.
Laydown 21 joints and stand back 48 stands.
W.O.C.
Hazardous windy conditions 40-45 mph wind, contacted engineer. Waited for windy conditions to die down, unable to continue.
SIW, clean and secured location. SDFD. Plug will be tag in the morning.

05/24/2019

Load equipment and supplies, travel from A plus yard to location.
HSM and JSA. S & S equipment.
Check WH pressures, SITP-0#, SICP-0#, SIBHP-0#. RU bleed off line.
TIH with 48 stands and PU 18 joints to tag TOC at 6490'KB.
TOOH. LD 24 joints and stand back 88 stand, laydown plugging sub.
RU Basin W/L, PU Perf. gun and RIH to shoot at 5750'KB. POOH and LD gun.
PU 4.5" CR, TIH with 53 stands. CR set early at 3360'KB.
RU pump to tubing and establish a rate of 1 bpm 700# psi.

Called Engineer, BLM, and NMOCD to get approval to pump cement from 3360'KB to 5750'KB. BLM and NMOCD approved to proceed.
Pumped **Plug #2**. 44sxs outside of 4-1/2" casing and 186sxs inside of casing.
TOOH. LD 1 joint and stand back 52 stands. LD setting tool.
TIH open ended with 52 stands and 1 joint to tag CR at 3360'KB. RU pump to tubing.
Pumped **Plug #3**. Displace with 7 BBLs of water do to fluid level been at 2210'KB.
TOOH. LD 26 joints and stand back 39 stands.
TIH with the 35 stands left on the derrick because of CR setting early.
TOOH. LD 70 joints, total of 231 on the float and 39 stands on the derrick.
SIW, clean and secured location. SDFD. W.O.C. plug over the weekend.

05/28/2019

HSM on JSA. S & S Equip.
Check PSI TBG-N/A, CSG-0, BH-0 PSI. Open Well to Pit.
TIH Tag Plug #3 @ 2427', good tag. LD to next Plug, SB 34 STDS.
MU 4-1/2" TBG Set CR, TIH to 2155', Set CR, Load Well W/ 15 BBL H2O, CIRC 50 BBL Total, saw Clean Returns to pit. PT CSG to 600 PSI, good Test.
Pumped **Plug #4**. DISP W/ 6 BBL H2O.
LD to next Plug.
Pumped **Plug #5**. DISP W/ 4 BBL H2O.
LD 2-3/8" Work String.
RU WL, RIH to 260', Shoot 4 Holes W/ 3-1/8" HSC, POOH, LD Tool, RD WL.
Check ROI, 2 BPM @ 300 PSI, CIRC 30 BBL, saw Clean Returns to Pit.
RD Work Floor, ND BOP, NU WH.
Pumped **Plug #6**. Saw good cement returns to Pit.
RD Pump, Pump & Relief Lines; dig out Cellar.
Perform Hot Work Permit & JSA. Cut off WH and found TOC inside 4-1/2" @ 33', TOC in 8-5/8" Annulus @ 4'. Install & weld DH Marker onto CSG Stump.
RD Daylight Pulling Unit, MOL.
Pumped **Surface Top Off**.
Ready Rig & Equip for Road, Road Equip back to Yard.

On Site Reps:

Name	Association	Notes
Darrel Priddy	BLM	on location
Jimmy Morris	Co. Rep.	on location

Huerfano Unit #179

Plugged

Basin Dakota / Huerfano PC

1750' FNL, 1650' FWL, Section 14, T-26-N, R-10-W, San Juan County, NM

Today's Date: 5/30/19

Lat: _____ N / Lat: _____ W, API #30-045-20256

Spud: 4/8/68

Completion: 6/5/68

Elevation: 6660' GL
6672' KB

12.25" hole
8.625", 24#, Casing set @ 210'
Cement with 170 sxs, circulate to surface

Ojo Alamo @ 1375'

Kirtland @ 1404'

Fruitland @ 1995'

Pictured Cliffs @ 2200'

DV Tool @ 2527'
Stage 3: Cemented with 185 sxs

Chacra @ 3080'

Isolate leak at 3260' - 3326'; sqz with
575 sxs. D/O and PT OK. (1994)
Mesaverde @ 3782'

Mancos @ 4904'

DV Tool @ 5022'
Stage 2: Cemented with 220 sxs

Gallup @ 5700'

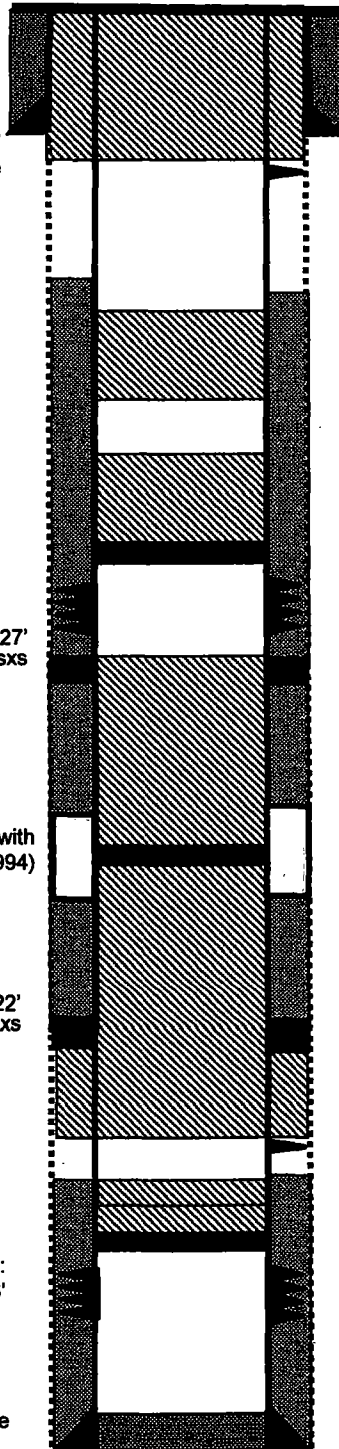
Dakota @ 6594'

Dakota Perforations:
6678' - 6836'

7-7/8" Hole

4.5" 10.5#, casing set @ 6964'
Stage 1: Cemented with 170 sxs

TD 6964'
PBTD 6957'



Surface Top Off: Mix & pump 16sxs
Class G cmt

Plug #6: Mix & pump 96sxs Class G
cmt from 260' - 0.

Perforate @ 260'

Plug #5: Mix & pump 22sxs Class G
cmt from 1453' - 1170' TOC.

Plug #4: Mix & pump 27sxs Class G
cmt from 2155' - 1807' TOC

Cmt Retainer @ 2155'

Pictured Cliffs Perforations:
2205' - 2246'

Plug #3: Mix & pump 62sxs Class G
cmt from 3360' - 2560' TOC
Tag TOC @ 2427'

Cmt Retainer @ 3360'

Plug #2: Mix & pump 230sxs Class G
cmt from 5750' - 3360'
44sxs outside / 186sxs inside

Perforate @ 5750'

Existing CIBP @ 6640' (2018)

Plug #1C: Mix & pump 40sxs Class G
cmt from 6581' - 6068' TOC.
Tag TOC @ 6490'

Plug #1B: Mix & pump 16sxs Class G
cmt from 6583' - 6383' TOC
Tag TOC @ 6581'

Plug #1A: Mix & pump 16sxs Class G
cmt from 6602' - 6402' TOC
Tag TOC @ 6583'

Plug #1: Mix & pump 16sxs Class G
cmt from 6640' - 6440' TOC
Tag TOC @ 6602'