

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.*

5. Lease Serial No. NMSF078144
6. If Indian, Allottee or Tribe Name
7. If Unit or CA/Agreement, Name and/or No. SW45
8. Well Name and No. PAN AMERICAN FEDERAL GAS COM B 1E
9. API Well No. 30-045-24842-00-S1
10. Field and Pool or Exploratory Area AZTEC PICTURED CLIFFS BASIN DAKOTA
11. County or Parish, State SAN JUAN COUNTY, NM

**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	
2. Name of Operator HILCORP ENERGY COMPANY	
Contact: CHERYLENE WESTON E-Mail: cweston@hilcorp.com	
3a. Address 1111 TRAVIS STREET HOUSTON, TX 77002	3b. Phone No. (include area code) Ph: 505-564-0779
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  Sec 31 T30N R11W SWNE 1710FNL 1660FEL 36.771286 N Lat, 108.027954 W Lon	

**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"/> Hydraulic Fracturing	<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.

Hilcorp Energy plugged and abandoned the subject well on 12/31/2019 per the attached summary.

NMOC

JAN 14 2020

DISTRICT III

14. I hereby certify that the foregoing is true and correct. <b>Electronic Submission #498795 verified by the BLM Well Information System For HILCORP ENERGY COMPANY, sent to the Farmington Committed to AFSS for processing by JOE KILLINS on 01/13/2020 (19AMW0592SE)</b>	
Name (Printed/Typed) CHERYLENE WESTON	Title OPERATIONS/REGULATORY TECH SR.
Signature (Electronic Submission)	Date 01/10/2020

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved By <b>ACCEPTED</b>	JOE KILLINS Title ENGINEER	Date 01/13/2020
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 \*\***

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BLM Rep, Jimmy Dobson on location for all plugging ops.

**12/18/2019** – (SITP-0, SICP-150#, SIBHP-0) MIRU Expert SL. Chk for plunger in 3 runs. Tbg is clear. RD Expert. MIRU BW 104 & equip. BD well to FB tank. ND WH. NU & FT BOP, test good. Pull tbg hanger. TOH w/tbg. MU mill BHA & TIH, tag fill above CIBP @ 2190'. RU swivel & air, test lines. Begin air @ 1500 CFM w/8 BPH mist. CO to CIBP @ 2200'. Circ clean w/1-3 gal/hr foamer & 10 gal/hr corrosion inhibitor. SD air/mist. RD swivel, pull mill to 1960'. SDFN.

**12/19/2019** – (SITP-0, SICP-50#, SIBHP-0) BD well to FB tank. TIH w/tbg to above CIBP @ 2200'. RU swivel, start air unit @ 1150 CFM w/10 BPH mist. Begin circ & mill on CIBP to 14 BPH mist/air. MO plug @ 550#. Cont into well w/mill. Tagged plug parts @ 6590'. RU PS, start air/mist. Att to clean down to 6610'. Mill became stuck @ 6590'. Att to free mill. SD air. Hang back PS. Secure well. SDFN.

**12/20/2019** – (SITP-0, SICP-220#, SIBHP-0) BD well to FB tank. Att to free stuck mill. RU Cutters WL. RIH with 5/8" string shot tool. Unable to get past 6435' w/tools. Set off charge w/rev torque on tbg. Tbg freed. TOH w/ WL tools & 196 jts 2-3/8" tbg. **Left 8 jts tbg, 4 DC's & stuck mill in hole.** RDMO Cutters WL. MIRU Basin WL. RIH w/ 3.75" OD GR. Tag fish @ 6220'. RIH & set 4.5" CR @ 6215'. RD Basin WL. RU BW 104. Pump 65 bbl treated FW from 2091'-6215'. SDFN. ***Trouble call & verbal approval by BLM (Chris Wenman) & NMOCD (Brandon Powell) to leave fish in the hole & adjust plugs. Plug #1 originally to include CR @ 6550' w/cement fr 6450'-6550'. The CR will be set above where we backed off @ ~6335'; 215' above the originally intended 6550' bottom of cement plug, with 215' of cement + 100% excess (total of 430') below the CR & add'l 50' of cement + 50' excess (total of 100') above CR. If the string psi up while attempting to pump through the CR, any cement that can't be placed below the CR will be placed above the CR instead so that total pumped above & below the CR = 530' of calculated casing volume.***

**12/21/2019** - (SITP-0, SICP-120#, SIBHP-0) BD well to FB tank. RU Basin WL. Run CBL 6215'-2000'. RD Basin WL. CBL sent to BLM/NMOCD. BLM (Jimmy Dobson) & NMOCD (Brandon Powell) found CBL acceptable to proceed. TIH w/CR stinger & engage CR @ 6215'. Pump 8 bbl water down tbg & locked up @ 1100#. BD psi & try again. Locked up @ 1100# again. ***Trouble call & verbal approval by BLM (Jimmy Dobson, he notified BLM engineer, Joe Killens) & NMOCD (Brandon Powell) to place 300' above the CR. Noted the good CBL as well as pressuring up indicating good casing in support of this decision.*** PLUG #1: Mix, pump & spot a 308' cement plug from 6215'- 5907'. Displ w/19 bbl water. Cement yld 1.15/15.8 ppg Class G cement, 24 sx total. LD 10 jts tbg. TOOH w/186 jts tbg & stinger. SDFN. WOC.

**12/22/2019** – (SITP-0, SICP-0 SIBHP-0) Tag plug @ 5646'. **Verbal approval from BLM/NMOCD to proceed with plug #2.** PLUG #2: Mix & pump w/16 sx, 18.4 cuft, 1.15 yld, 15.8 ppg, 2% CaCL Class G neat cement to isolate the Gallup formation from 5646'-5441' w/16 sx inside 4.5" csg. WOC. PLUG #3: Mix & pump w/24 sx, 27.6 cuft, 1.15 yld, 15.8 ppg, Class G neat cement to isolate the Mancos formation from 4893'-4585' w/24 sx inside 4.5" csg. WOC over holidays.

**12/30/2019** – TIH w/tbg, tag plug #3 @ 4598'. LD tbg. PLUG #4: Mix & pump w/24 sx, 27.6 cuft, 1.15 yld, 15.8 ppg, 2% CaCL Class G neat cement to isolate the Mesaverde formation from 3810'-3502' w/24 sx inside 4.5" csg. LD 10 jts. TOH w/ tbg. WOC. TIH & tag plug #4 @ 3502'. LD tbg. PLUG #5: Mix & pump w/58 sx, 66.7 CUFT, 1.15 yld, 15.8 PPG, Class G neat cement to isolate the Chacra formation from 3265'-2520' w/58 sx inside 4.5" csg. LD 25 jts. TOH w/tbg. WOC. SDFN.

12/31/2019 - TIH w/tbg, tag plug #5 @ 2557'. TOH w/tbg. TIH & set 4.5" CR @ 2035'. PT csg to 500#, csg leaked off. RU A-Plus WL, set 4.5" CIBP @ 2011'. RD WL. TIH w/tbg to 2011'. PT csg to 600#, good test. **PLUG #6:** Mix & pump w/48 sx, 55.2 CUFT, 1.15 yld, 15.8 PPG, Class G neat cement to isolate the Pictured Cliffs & Fruitland formation from 2011'-1395' w/48 sx inside 4.5" csg. LD 36 jts. **PLUG #7:** Mix & pump w/64 sx, 73.6 cuft, 1.15 yld, 15.8 ppg, Class G neat cement to isolate the Kirtland & Ojo Alamo formation & csg shoe from 862'-40' w/64 sx inside 4.5" csg. LD 27 jts. RU A-Plus WL, perf 3 squeeze holes @ 100'. RD WL. Est circ out BH. RD floor. ND BOP, NU WH. **PLUG #7A (Squeeze):** Mix & pump w/30 sx, 34.5 cuft, 1.15 yld, 15.8 ppg, Class G neat cement to isolate the Kirtland, Ojo Alamo formation, csg shoe & surface from 100'-0' w/8 sx inside 4.5" csg, 22 sx outside 4.5" csg. Cut off WH. Install & weld P&A marker. TOC @ 0' on 4.5" csg & 0' in 4-1/2"x 8-5/8" annulus.

RDMO @ 1900 hrs.

Well Name: PAN AMERICAN FEDERAL GAS COM B #1E

API / UWI 3004524842	Surface Legal Location T30N-R11W-S31	Field Name Basin Dakota	Route 0701	State/Province New Mexico	Well Configuration Type Vertical
Ground Elevation (ft) 5,837.00	Original KB/RT Elevation (ft) 5,850.00	KB-Ground Distance (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Vertical, Original Hole, 1/3/2020 1:56:33 PM

