

Form 3160-5  
(June 2015)UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM 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.  
NMSF078212

6. If Indian, Allottee or Tribe Name

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

8. Well Name and No.  
ROURKE 1E9. API Well No.  
30-045-25892-00-C110. Field and Pool or Exploratory Area  
BASIN DAKOTA  
FLORA VISTA

11. County or Parish, State

SAN JUAN COUNTY, NM

**SUBMIT IN TRIPLICATE - Other instructions on page 2**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other2. Name of Operator  
HILCORP ENERGY COMPANYContact: AMANDA WALKER  
E-Mail: mwalker@hilcorp.com3a. Address  
1111 TRAVIS STREET  
HOUSTON, TX 770023b. Phone No. (include area code)  
Ph: 505-324-5122

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

Sec 4 T30N R13W NWNW 1000FNL 1000FWL  
36.846440 N Lat, 108.215210 W Lon**12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" 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 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 Company requests permission to complete the P&A on the subject well per the attached procedure. The Pre-Disturbance Site Visit was held on 4/21/2020 with Bob Switzer/BLM. The re-vegetation plan was attached and approved on the previously submitted P&A NOI on 6/29/2020.

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

**Electronic Submission #539074 verified by the BLM Well Information System**  
**For HILCORP ENERGY COMPANY, sent to the Farmington**  
**Committed to AFMSS for processing by JOE KILLINS on 12/11/2020 (21JK0059SE)**

Name (Printed/Typed) AMANDA WALKER

Title OPERATIONS/REGULATORY TECH SR.

Signature (Electronic Submission)

Date 12/02/2020

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

Approved By JOE KILLINS

Title ENGINEER

Date 12/11/2020

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 \*\***

**Revisions to Operator-Submitted EC Data for Sundry Notice #539074**

	<b>Operator Submitted</b>	<b>BLM Revised (AFMSS)</b>
Sundry Type:	ABD NOI	ABD NOI
Lease:	NMSF078212	NMSF078212
Agreement:		
Operator:	HILCORP ENERGY 1111 TRAVIS ST. HOUSTON, TX 77002 Ph: 505-324-5122	HILCORP ENERGY COMPANY 1111 TRAVIS STREET HOUSTON, TX 77002 Ph: 713.209.2400
Admin Contact:	AMANDA WALKER OPERATIONS/REGULATORY TECH SR. E-Mail: mwalker@hilcorp.com  Ph: 505-324-5122	AMANDA WALKER OPERATIONS/REGULATORY TECH SR. E-Mail: mwalker@hilcorp.com  Ph: 505-324-5122
Tech Contact:	AMANDA WALKER OPERATIONS/REGULATORY TECH SR. E-Mail: mwalker@hilcorp.com  Ph: 505-324-5122	AMANDA WALKER OPERATIONS/REGULATORY TECH SR. E-Mail: mwalker@hilcorp.com  Ph: 505-324-5122
Location:		
State:	NM	NM
County:	SAN JUAN	SAN JUAN
Field/Pool:	DK / GALLUP	BASIN DAKOTA FLORA VISTA
Well/Facility:	ROURKE 1E Sec 4 T30N R13W Mer NMP NWNW 1000FNL 1000FWL	ROURKE 1E Sec 4 T30N R13W NWNW 1000FNL 1000FWL 36.846440 N Lat, 108.215210 W Lon



Hilcorp Energy Company  
ROURKE 1E  
P&A - Notice of Intent  
API # 3004525892

PROCEDURE

1. Hold a pre-job safety meeting prior to beginning all operations or during a change in operational scope or initiation of SIMOPs. Properly document all operations via the JSA process. Insure that all personnel onsite abide by HEC safety protocol, including PPE, housekeeping, and procedures. Verify cathodic protection is off and wellhead instrumentation is properly disconnected from wellhead. Comply with all NMOCD, BLM, and HEC safety and environmental regulations. Verify there is no H<sub>2</sub>S present prior to beginning operations. If H<sub>2</sub>S is present, take the necessary actions to insure that the operation is safe prior to beginning operations. Observe and record pressures across all strings daily, prior to beginning operations. **Notify NMOCD and BLM 24 hours in advance of beginning operations**  
  
NOTE: **this procedure is contingent upon P&A sundry approval by both the BLM and the NMOCD.** All cement volumes use 100% excess outside pipe and 50' excess inside (unless stated otherwise). All cement will be Class G, mixed at 15.8 ppg with a 1.15 cf/sx yield. 8.3 ppg fluid will be used to balance the well during this operation.
2. Drill thru the upper cement plug in the production casing from 29' to ~430'. Tag the top of the Kirtland plug (estimated TOC at 451'). PT the sqz holes from 429-430' to 500 psi.
3. Continue drilling thru the top of the Kirtland plug (est TOC at 451') to 625' (top of Kirtland sand at 557'). Note: plug btm at ~650'
4. Perforate for sqz at 600' using jet cutter to achieve 360' penetration.  
  
NOTE: if unable to establish communication thru the jet cut, a high density perforating option will be utilized at 600'
5. Establish injection rate into the surrounding formation. If unable to establish an injection rate, lay a 10 sx balanced plug w/ micro-fine cement and apply surface pressure to squeeze the cement into the channel
6. Bleed off BH pressure and monitor for 30 minutes
7. RU cementers, mix and pump a 75 sx plug f/ 550' to surface
8. Cut and cap wellhead. Install P&A marker



## Hilcorp Energy Company

3004525892

P&amp;A - Notice of Intent

API #: 3004525892

WBD - CURRENT



## Schematic - Current

Well Name: ROURKE #1E

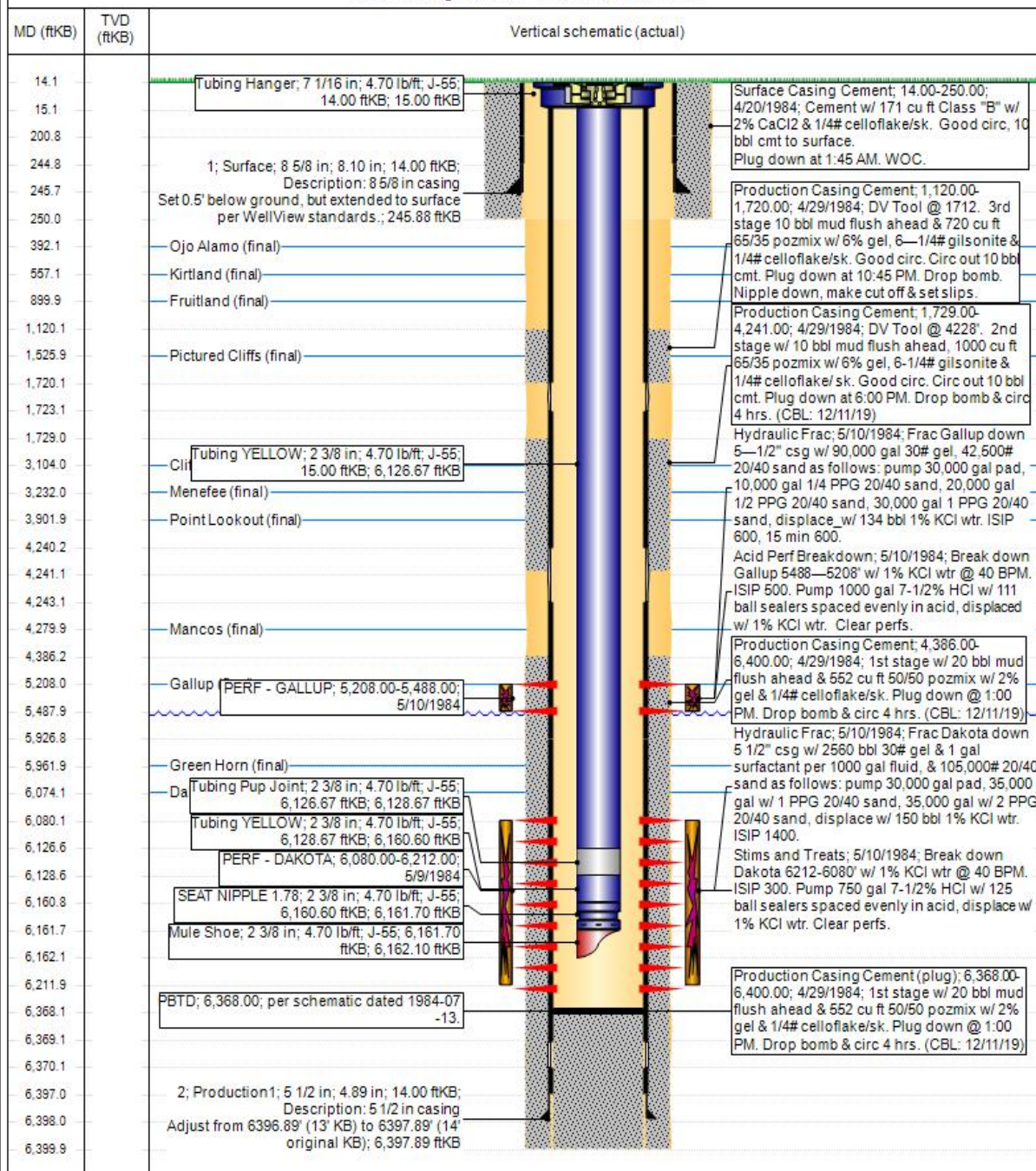
API / UWI 3004525892	Surface Legal Location D-4-30N-13W	Field Name BASIN	License No.	State/Province NEW MEXICO	Well Configuration Type Vertical
Original KBRT Elevation (ft) 5,565.00	KB-Ground Distance (ft) 14.00	Original Spud Date 4/19/1984 16:45	Rig Release Date	PSTD (All) (ftKB) Original Hole - 6,368.0	Total Depth All (TVD) (ftKB)

## Most Recent Job

Job Category Expense Workover	Primary Job Type BRADENHEAD REPAIR	Secondary Job Type	Actual Start Date 12/6/2019	End Date 12/13/2019
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TD: 6,400.0

Vertical, Original Hole, 4/15/2020 2:54:26 PM



www.peloton.com

Page 1/1

Report Printed: 4/15/2020





## Hilcorp Energy Company

3004525892

P&amp;A - Notice of Intent

API #: 3004525892

WBD - PROPOSED

**Rourke #1E****Proposed P&A**

Basin Dakota / Gallup

1000' FNL &amp; 1000' FWL, Sec. 4, T30N, R13W

San Juan County, NM / API# 30-045-25892

Today's Date: 3/17/20

Spud: 4/19/84

Completed: 5/24/84

Elevation: 5551' GI  
5565' KB

12.25" hole

Ojo Alamo @ 392'

Kirtland @ 557'

Fruitland @ 900'

Pictured Cliffs @ 1526'

Chacra @ 2338'

Mesaverde @ 3104'

Mancos @ 4280'

Gallup @ 5208'

Dakota @ 5962'

7-7/8" hole

PBTD @ 6400'  
TD @ 6368'8.625", 24# Casing set @ 245'  
Cement with 171 cf, circulated

Perforate @ 442'

**Plug #7: 442' - 0'**  
Class G cement, 110 sxs

Set CR @ 557'

Perforate @ 607'

**Plug #6: 607' - 507'**  
Class G cement, 49 sxs:  
18 in and 31 out

Set CR @ 900'

Perforate @ 950'

**Plug #5: 950' - 850'**  
Class G cement, 49 sxs:  
18 in and 31 out**Plug #4: 1576' - 1476'**  
Class G cement, 18 sxsDV Tool @ 1719'  
3<sup>rd</sup> Stage Cmt w/ 720 cf  
TOC @ 1120' (CBL)**Plug #3: 3154' - 2288'**  
Class G cement, 72 sxsDV Tool @ 4239'  
2<sup>nd</sup> Stage Cmt w/ 1000 cf  
TOC @ 1729' (CBL)

Set CR @ 4280'

Perforate @ 4350'

**Plug #2: 4350' - 4250'**  
Class G cement, 49 sxs:  
18 in and 31 out

Set CR @ 5158'

Gallup Perforations:  
5208' - 5488'**Plug #1: 5158' - 5058'**  
Class G cement, 18 sxsDakota Perforations:  
6080' - 6212'5.5", 15.5#/17# csg set @ 6397'  
1<sup>st</sup> Stage Cmt w/ 552 cf,  
TOC @ 4386' (CBL)

**GENERAL REQUIREMENTS FOR  
PERMANENT ABANDONMENT OF WELLS ON FEDERAL AND INDIAN LEASES  
FARMINGTON FIELD OFFICE**

1.0 The approved plugging plans may contain variances from the following minimum general requirements.

1.1 Modification of the approved plugging procedure is allowed only with the prior approval of the Authorized Officer, Farmington Field Office.

1.2 Requirements may be added to address specific well conditions.

2.0 Materials used must be accurately measured. (densometer/scales)

3.0 A tank or lined pit must be used for containment of any fluids from the wellbore during plugging operations and all pits are to be fenced with woven wire. These pits will be fenced on three sides and once the rig leaves location, the fourth side will be fenced.

3.1 Pits are not to be used for disposal of any hydrocarbons. If hydrocarbons are present in the pit, the fluids must be removed prior to filling in.

4.0 All cement plugs are to be placed through a work string. Cement may be bull-headed down the casing with prior approval. Cement caps on top of bridge plugs or cement retainers may be placed by dump bailer.

4.1 The cement shall be as specified in the approved plugging plan.

4.2 All cement plugs placed inside casing shall have sufficient volume to fill a minimum of 100' of the casing, or annular void(s) between casings, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.3 Surface plugs may be no less than 50' in length.

4.4 All cement plugs placed to fill annular void(s) between casing and the formation shall be of sufficient volume to fill a minimum of 100' of the annular space plus 100% excess, calculated using the bit size, or 100' of annular capacity, determined from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug.

4.5 All cement plugs placed to fill an open hole shall be of sufficient volume to fill a minimum of 100' of hole, as calculated from a caliper log, plus an excess volume sufficient to provide for 50 linear feet of fill above the plug. In the absence of a caliper log, an excess of 100% shall be required.

**4.6 A cement bond log or other accepted cement evaluation tool is required to be run if one had not been previously ran or cement did not circulate to surface during the original casing cementing job or subsequent cementing jobs.**

5.0 All cement plugs spotted across, or above, any exposed zone(s), when; the wellbore is not full of fluid or the fluid level will not remain static, and in the case of lost circulation or partial returns during cement placement, shall be tested by tagging with the work string.

- 5.1 The top of any cement plug verified by tagging must be at or above the depth specified in the approved plan, without regard to any excess.
- 5.2 Testing will not be required for any cement plug that is mechanically contained by use of a bridge plug and/or cement retainer, if casing integrity has been established.
- 5.3 Any cement plug which is the only isolating medium, for a fresh water interval or a zone containing a prospectively valuable deposit of minerals, shall be tested by tagging.
- 5.4 If perforations are required below the surface casing shoe, a 30 minute minimum wait time will be required to determine if gas and/or water flows are present. If flow is present, the well will be shut-in for a minimum of one hour and the pressure recorded. Short or long term venting may be necessary to evacuate trapped gas. **If only a water flow occurs with no associated gas, shut well in and record the pressures. Contact the Engineer as it may be necessary to change the cement weight and additives.**

6.0 Before setting any cement plugs the hole needs to be rolled. All wells are to be controlled by means of a fluid that is to be of a weight and consistency necessary to stabilize the wellbore. This fluid shall be left in place as filler between all plugs.

- 6.1 Drilling mud may be used as the wellbore fluid in open hole plugging operations.
- 6.2 The wellbore fluid used in cased holes shall be of sufficient weight to balance known pore pressures in all exposed formations.

7.0 A blowout preventer and related equipment (BOPE) shall be installed and tested prior to working in a wellbore with any exposed zone(s); (1) that are over pressured, (2) where the pressures are unknown, or (3) known to contain H<sub>2</sub>S.

8.0 Within 30 days after plugging work is completed, file a Sundry Notice, Subsequent Report of Abandonment (Form 3160-5), five copies, with the Field Manager, Bureau of Land Management, 6251 College Blvd., Suite A, Farmington, NM 87402. The report should show the manner in which the plugging work was carried out, the extent, by depth(s), of cement plugs placed, and the size and location, by depth(s), of casing left in the well. Show date well was plugged.

9.0 All permanently abandoned wells are to be marked with a permanent monument as specified in 43 CFR 3162.6(d). Unless otherwise approved.

10.0 If this well is located in a Specially Designated Area (SDA), compliance with the appropriate seasonal closure requirements will be necessary.

All of the above are minimum requirements. Failure to comply with the above conditions of approval may result in an assessment for noncompliance and/or a Shut-in Order being issued pursuant to 43 CFR 3163.1. You are further advised that any instructions, orders or decisions issued by the Bureau of Land Management are subject to administrative review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4 and 43 CFR 4.700.

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

COMMENTS

Action 20526

**COMMENTS**

Operator:			OGRID:	Action Number:	Action Type:
HILCORP ENERGY COMPANY	1111 Travis Street	Houston, TX77002	372171	20526	C-103F

Created By	Comment	Comment Date
kpickford	KP GEO Review 3/12/2021	03/12/2021



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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 20526

**CONDITIONS OF APPROVAL**

Operator:	HILCORP ENERGY COMPANY	1111 Travis Street	Houston, TX77002	OGRID:	372171	Action Number:	20526	Action Type:	C-103F
OCD Reviewer	Condition								
kpickford	None								