

Submit 1 Copy To Appropriate District Office
 District I - (575) 393-6161
 1625 N. French Dr., Hobbs, NM 88240
 District II - (575) 748-1283
 811 S. First St., Artesia, NM 88210
 District III - (505) 334-6178
 1000 Rio Brazos Rd., Aztec, NM 87410
 District IV - (505) 476-3460
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
 Energy, Minerals and Natural Resources

Form C-103
 Revised July 18, 2013

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-045-23647
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name Harper
8. Well Number 2E
9. OGRID Number 372171
10. Pool name or Wildcat Basin Dakota / Blanco Mesaverde

SUNDRY NOTICES AND REPORTS ON WELLS
 (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well Gas Well Other

2. Name of Operator
HILCORP ENERGY COMPANY

3. Address of Operator
382 Road 3100, Aztec, NM 87410

4. Well Location
 Unit Letter H 1780 feet from the North line and 930 feet from the East line
 Section 14 Township 31N Range 12W NMPM County San Juan

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
6229' GL

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

- PERFORM REMEDIAL WORK PLUG AND ABANDON
 TEMPORARILY ABANDON CHANGE PLANS
 PULL OR ALTER CASING MULTIPLE COMPL
 DOWNHOLE COMMINGLE
 CLOSED-LOOP SYSTEM
 OTHER: Recomplete

- REMEDIAL WORK ALTERING CASING
 COMMENCE DRILLING OPNS. P AND A
 CASING/CEMENT JOB
 OTHER:

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Hilcorp Energy Company plans to recomplete the subject well in the Mesaverde formation and downhole commingle with the existing Dakota formation. Please see the attached procedure, wellbore diagram, GCP, and plat. A DHC application will be filed and approved prior to commingling. A closed loop system will be used.

NMOC
JAN 24 2019
DISTRICT III

Spud Date:

Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Amanda Walker TITLE Operations / Regulatory Technician Sr. DATE 1/22/19
 Type or print name Amanda Walker E-mail address: mwalker@hilcorp.com PHONE: 505-324-5122
For State Use Only Deputy Oil & Gas Inspector, District #3
 APPROVED BY: Bob Bell TITLE RB DATE 2/6/19
 Conditions of Approval (if any):



HILCORP ENERGY COMPANY
HARPER 2E
MESA VERDE RECOMPLETION SUNDRY

API #: 3004523647

JOB PROCEDURES

1. MIRU workover rig and associated equipment; NU and test BOP.
2. TOOH with 2 3/8" tubing set at 7,457'.
3. Set a 4-1/2" cast iron bridge plug at +/- 5420' to isolate the Dakota.
4. Load hole with fluid and run a CBL on the 4-1/2" casing. Verify cement bond within the Mesa Verde and confirm TOC. Review CBL results with NMOCD and perform cmt remediation, as required. PT csg to 650 psi
5. Perforate the Mesa Verde. (Top perforation @ 4363', Bottom perforation @ 5387')
6. RIH w/ frac string and 7" 23# packer with ceramic disc sub. Set pkr and land tbg.
7. N/D BOP, N/U frac stack and test frac stack to frac pressure. Open well and PT tbg to 9000#
8. RU slickline. RIH and break ceramic disc. RD slickline
9. Frac the Mesa Verde in 1 stage.
10. RU flowback eqmt. Flowback well until tubing pressure drops to working level and sand subsides or well loads up. RD flowback eqmt.
11. MIRU workover rig. Nipple down frac stack, nipple up BOP and test.
12. Release pkr and POOH LD workstring
13. TIH with a mill and clean out to the top of the DK isolation plug at 5,420'. Take Mesa Verde gas samples and analyze.
14. Drill out DK isolation plug and cleanout to PBTD at 7,547'. TOOH.
15. TIH and land production tubing. Get a commingled Dakota/Mesa Verde flow rate.



**HILCORP ENERGY COMPANY
HARPER 2E
MESA VERDE RECOMPLETION SUNDRY**

HARPER 2E - CURRENT WELLBORE SCHEMATIC

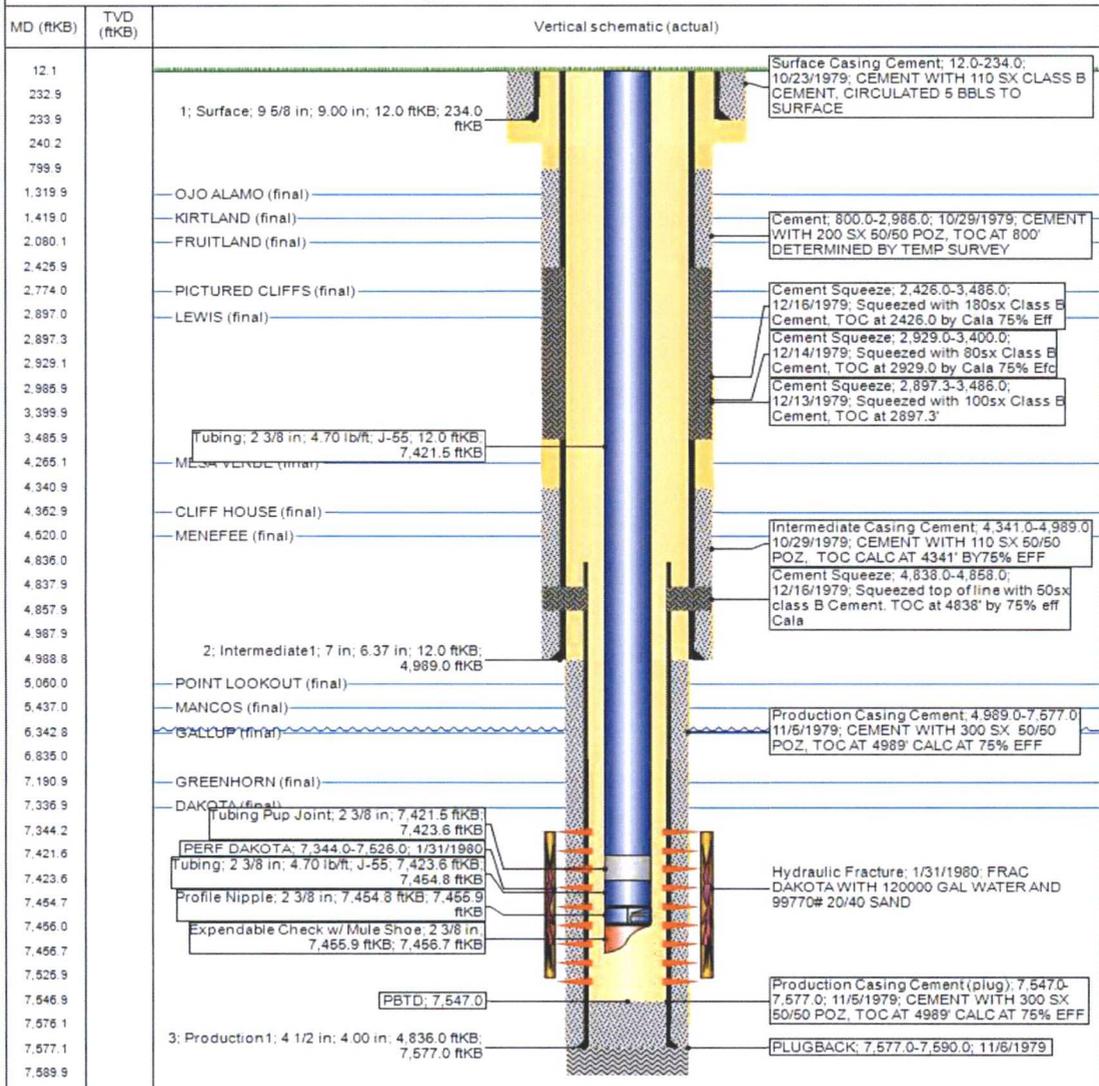
Hilcorp Energy Company

Current Schematic

Well Name: HARPER #2E

API / UWI 3004523647	Surface Log # Location 014-031N-012W-H	Field Name BASIN DAKOTA (PRORATED GAS)	Route 0109	State/Province NEW MEXICO	Well Configuration Type
Ground Elevation (ft) 6,229.00	Original KBRT Elevation (ft) 6,241.00	KB-Ground Distance (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Original Hole, 1/11/2019 10:19:42 AM



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

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-045-23647	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 319174	5. Property Name Harper	6. Well No. 002E
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6229

10. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
H	14	31N	12W		1780	N	930	E	SAN JUAN

11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 310.19			13. Joint or Infill		14. Consolidation Code			15. Order No.	

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

	OPERATOR CERTIFICATION	
	<p><i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i></p>	
	<p>E-Signed By: <i>Amanda Walker</i> Title: Operations / Regulatory Tech Sr. Date: 1/21/2019</p>	
	SURVEYOR CERTIFICATION	
<p><i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i></p>		
<p>Surveyed By: Fred B. Kerr Jr. Date of Survey: 6/18/1979 Certificate Number: 3950</p>		