

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:

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

SUBSEQUENT REPORT OF:

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 Deputy Oil & Gas Inspector, District #3 DATE 2/6/19

Conditions of Approval (if any):

A



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 tbq.
7. N/D BOP, N/U frac stack and test frac stack to frac pressure. Open well and PT tbq 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

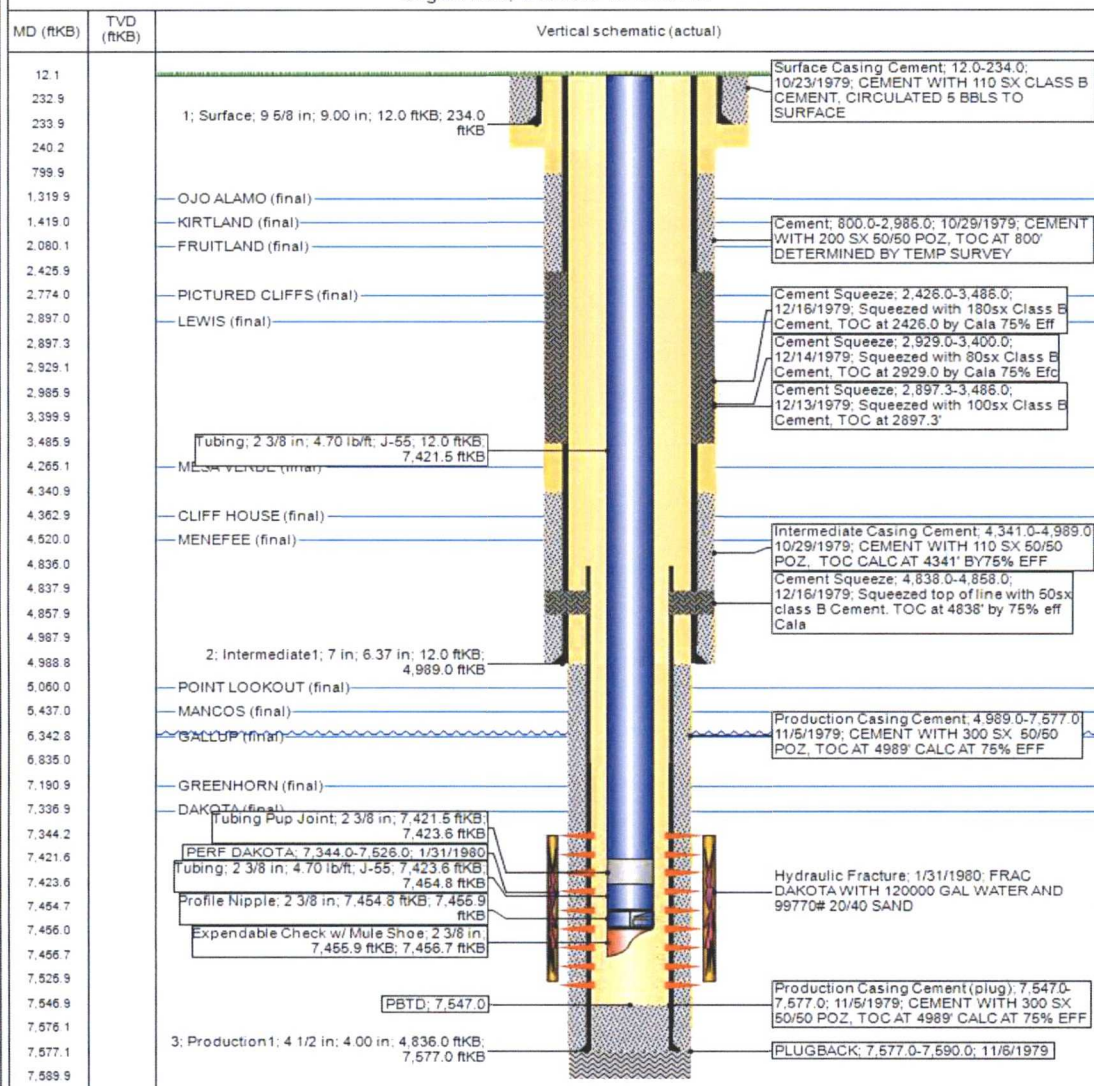


Current Schematic

Well Name: HARPER #2E

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

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



District I1625 N. French Dr., Hobbs, NM 88240
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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

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

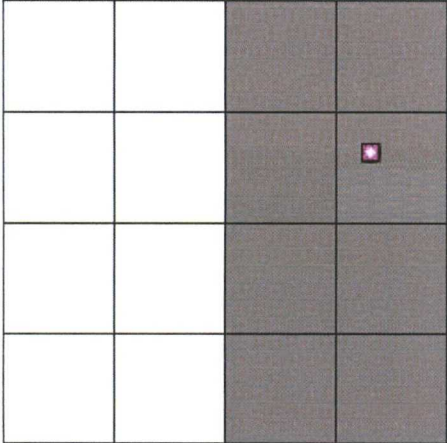
10. Surface Location

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

	<p style="text-align: center;">OPERATOR CERTIFICATION</p> <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: <u>Amanda Walker</u> Title: <u>Operations / Regulatory Tech Sr.</u> Date: <u>1/21/2019</u></p> <hr/> <p style="text-align: center;">SURVEYOR CERTIFICATION</p> <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: <u>Fred B. Kerr Jr.</u> Date of Survey: <u>6/18/1979</u> Certificate Number: <u>3950</u></p>
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