

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

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.)		WELL API NO. 30-045-09619
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/>		5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
2. Name of Operator HILCORP ENERGY COMPANY		6. State Oil & Gas Lease No.
3. Address of Operator 382 Road 3100, Aztec, NM 87410		7. Lease Name or Unit Agreement Name Nell Hall
4. Well Location Unit Letter <u>M</u> <u>1000</u> feet from the <u>South</u> line and <u>1100</u> feet from the <u>West</u> line Section <u>07</u> Township <u>30N</u> Range <u>11W</u> NMPM San Juan County		8. Well Number 1
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 5614' GR		9. OGRID Number 372171
		10. Pool name or Wildcat Basin Dakota <u>1B/2no MV</u>

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 the existing Dakota with the Mesaverde. Attached please find the MV Plat, recomplete procedure and wellbore schematic. A DHC application will be filed and approved prior to commingling. A Closed Loop system will be used.

COA's

- ❖ Set cast iron bridge plug (CIBP) inside of cement and at least 500' below the bottom of the proposed perforations. To show adequate formation/cement isolation.
- ❖ Submit the cement bond log (CBL) for review and approval prior to perforating the formation.
- ❖ If needed, submit proposed remediation for review and approval prior to starting remediation.
- ❖ Hold C-104 for Down Hole Commingle (DHC) approval.

NMOCD

MAY 24 2018

DISTRICT III

Notify NMOCD 24 hrs
prior to beginning
operations

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 DATE 5/24/2018

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: *Brandon*

TITLE

DATE 6/12/18

Conditions of Approval (if any):

See above conditions of approval

AV



HILCORP ENERGY COMPANY
NELL HALL 1
MESA VERDE RECOMPLETION SUNDRY

JOB PROCEDURES

1. MIRU service rig and associated equipment; NU and test BOP.
2. TOOH with 2-3/8" tubing set at 6,602'.
3. Set a 5-1/2" cast iron bridge plug at +/- 4,600' to isolate the Dakota.
4. Load hole with fluid and run a CBL on the 5-1/2" casing. Verify cement bond within the Mesa Verde and TOC is above 3,144'.
5. (If needed) Perforate hole(s) in 5-1/2" casing based on the CBL results above TOC in the Mesa Verde, set a 5-1/2" cmt retainer below perforations, and squeeze cement behind the 5-1/2" casing.
6. (If needed) WOC, tag cement, and drill out cement to CIBP.
7. (If needed) Run a CBL to determine TOC behind the 5-1/2" casing is above 3,144' and review with the NMOCD.
8. TIH with 2-7/8" frac tubing string and packer. Pressure test frac tubing string to frac pressure.
9. N/D BOP, N/U frac stack and test frac stack to frac pressure.
10. Perforate and frac the **Mesa Verde** in two or three stages. (Top perforation @ 3,644', Bottom perforation @ 4,592')
11. N/D frac stack, nipple up BOP and test.
12. TOOH with frac tubing string and packer.
13. TIH with mill and clean out to Dakota isolation plug and when water and sand rates are acceptable, flow test the Mesa Verde.
14. Drill out Dakota isolation plug and cleanout to PBTD of 6,673'. TOOH.
15. TIH and land 2-3/8" production tubing. Get a commingled **Dakota/Mesa Verde** flow rate.



HILCORP ENERGY COMPANY
NELL HALL 1
MESA VERDE RECOMPLETION SUNDRY

NELL HALL 1 - CURRENT WELLBORE SCHEMATIC



Schematic - Current

Well Name: NELL HALL #1

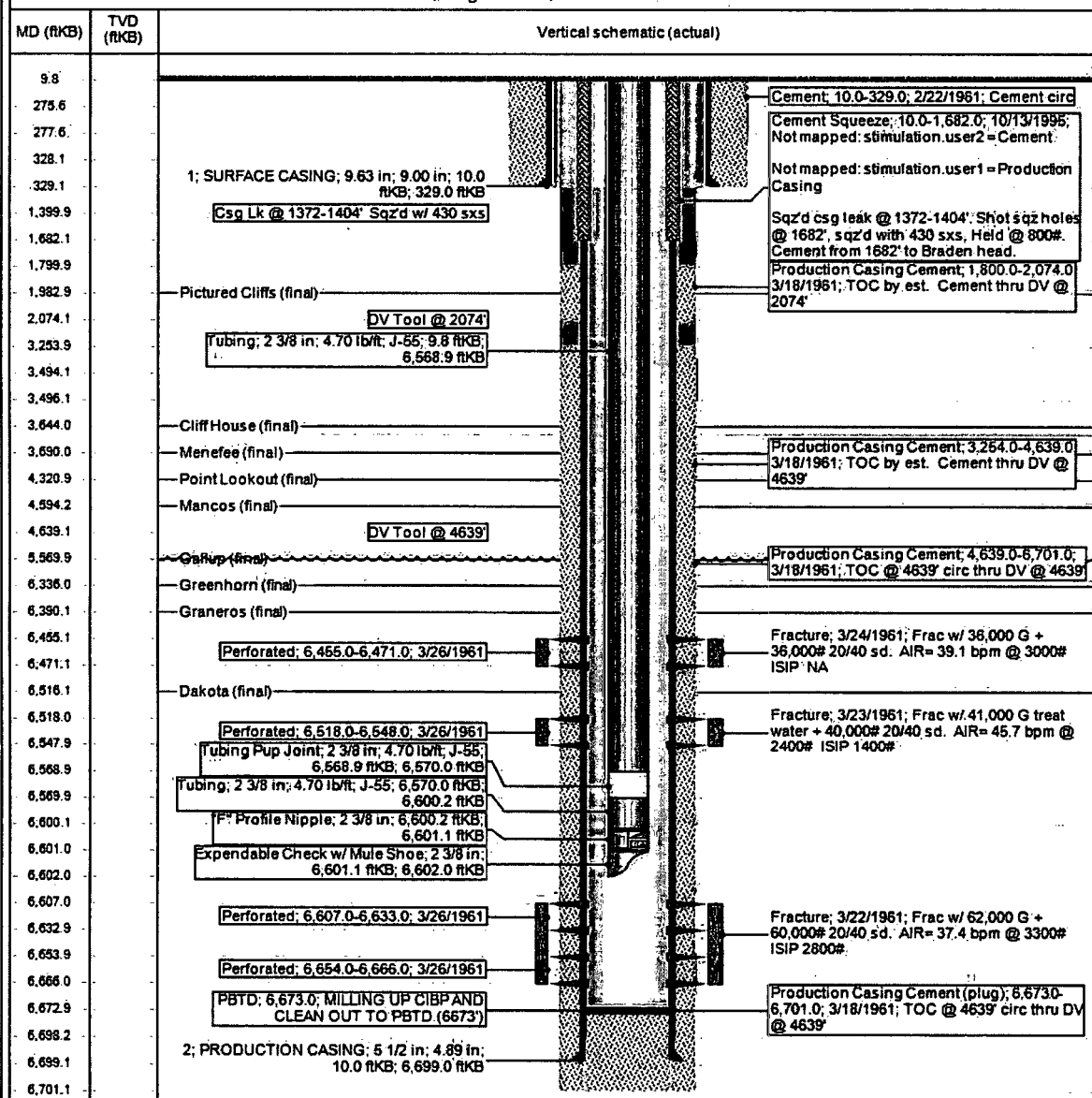
API Well ID NELLHALL1	Surface Log Location 007-030N-011W-M	Field Name DC	License No.	State/Province NEW MEXICO	Well Completion Type Vertical
Original Well (Primary) 662480	Well Tubing (Stringer Distance) (ft)	Original Spool Depth 27200.0-40000.0	Rig Release Date	Production Case Original Hole: 6,673.0	True Depth (TVD) (ft)

Most Recent Job

Job Category WELL INTERVENTION	Primary Job Type TUBING REPAIR	Secondary Job Type	Actual Start Date 6/17/2013	End Date 6/27/2013
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TD: 6,701.0

Vertical, Original Hole, 5/24/2018 6:49:36 AM



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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 3004509619	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 319056	5. Property Name NELL HALL	6. Well No. 001
7. OGRID No. 372171	8. Operator Name HILCORP ENERGY COMPANY	9. Elevation 6750

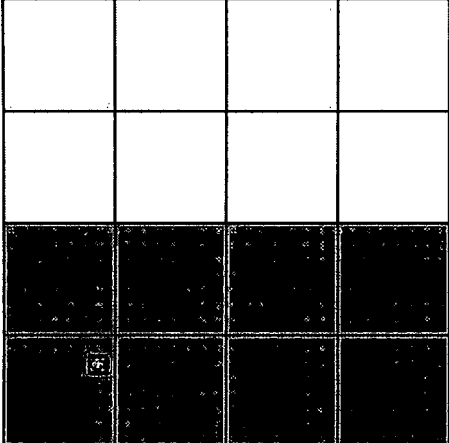
10. Surface Location

UL - Lot M	Section 7	Township 30N	Range 11W	Lot Idn	Feet From 1000	N/S Line S	Feet From 1100	E/W Line W	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 325.40			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: <i>Amanda Walker</i> Title: Operations/Regulatory Tech Date: 05/24/2018</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: James Leese Date of Survey: 2/18/1961 Certificate Number: 1463</p>
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