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Form 3160-5  
(August 2007)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0137  
Expires: July 31, 2010

Farmington Field Office  
Bureau of Land Management

**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.	<b>SF080724-A</b>
6. If Indian, Allottee or Tribe Name	

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

1. Type of Well	<input checked="" type="checkbox"/> Oil Well	<input type="checkbox"/> Gas Well	<input type="checkbox"/> Other
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7. If Unit of CA/Agreement, Name and/or No.	
8. Well Name and No.	<b>Zachry 32</b>

2. Name of Operator	<b>Hilcorp Energy Company</b>
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9. API Well No.	<b>30-045-25473</b>
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3a. Address	<b>382 Road 3100, Aztec, NM 87410</b>
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3b. Phone No. (include area code)	<b>505-599-3400</b>
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10. Field and Pool or Exploratory Area	<b>Blanco Mesaverde/Armenta Gallup</b>
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4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	<b>Surface Unit K (NESE) 1895' FSL &amp; 2120' FwL, Sec. 34, T29N, R10W</b>
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11. Country or Parish, State	<b>San Juan, New Mexico</b>
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**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"/> Fracture Treat	<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 checked="" type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input 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 recompleate 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 recompleation 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 plans to recompleate the subject well in the Mesaverde formation and downhole commingle with the existing Gallup. Attached is the MV C102, recompleate procedure & wellbore schematic. The DHC application will be submitted and approved prior to commingling. A closed loop system will be utilized. Interim reclamation will be performed after surface disturbing activities.**

**HOLD C104 FOR DHC**  
**NMOCD**  
**JUN 17 2019**  
**DISTRICT III**  
Notify NMOCD 24 hrs prior to beginning operations

14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed)	
<b>Christine Brock</b>	Title <b>Operations/Regulatory Technician - Sr.</b>
Signature <i>Christine Brock</i>	Date

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

Approved by <i>[Signature]</i>	Title <b>Petr. Eng</b>	Date <b>6/14/19</b>
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	

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.

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**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**

Form C-102  
August 1, 2011  
Permit 287042

**WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number <b>30-045-25473</b>	2. Pool Code <b>72319</b>	3. Pool Name <b>BLANCO-MESAVERDE (PRORATED GAS)</b>
4. Property Code <b>318769</b>	5. Property Name <b>ZACHRY</b>	6. Well No. <b>032</b>
7. OGRID No. <b>372171</b>	8. Operator Name <b>HILCORP ENERGY COMPANY</b>	9. Elevation <b>5723</b>

**10. Surface Location**

UL - Lot <b>K</b>	Section <b>34</b>	Township <b>29N</b>	Range <b>10W</b>	Lot Idn	Feet From <b>1895</b>	N/S Line <b>S</b>	Feet From <b>2120</b>	E/W Line <b>W</b>	County <b>SAN JUAN</b>
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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 <b>320.00 W/2</b>	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**

*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.*

E-Signed By: *Lewistine Brock*  
Title: Operation/Regulatory Tech Sr.  
Date: 5/7/2019

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**SURVEYOR CERTIFICATION**

*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.*

Surveyed By: **James P. Leese**  
Date of Survey: **7/29/1982**  
Certificate Number: **1463**



## HILCORP ENERGY COMPANY

### ZACHRY 32

## MESA VERDE RECOMPLETION SUNDRY

API #: 30-045-25473

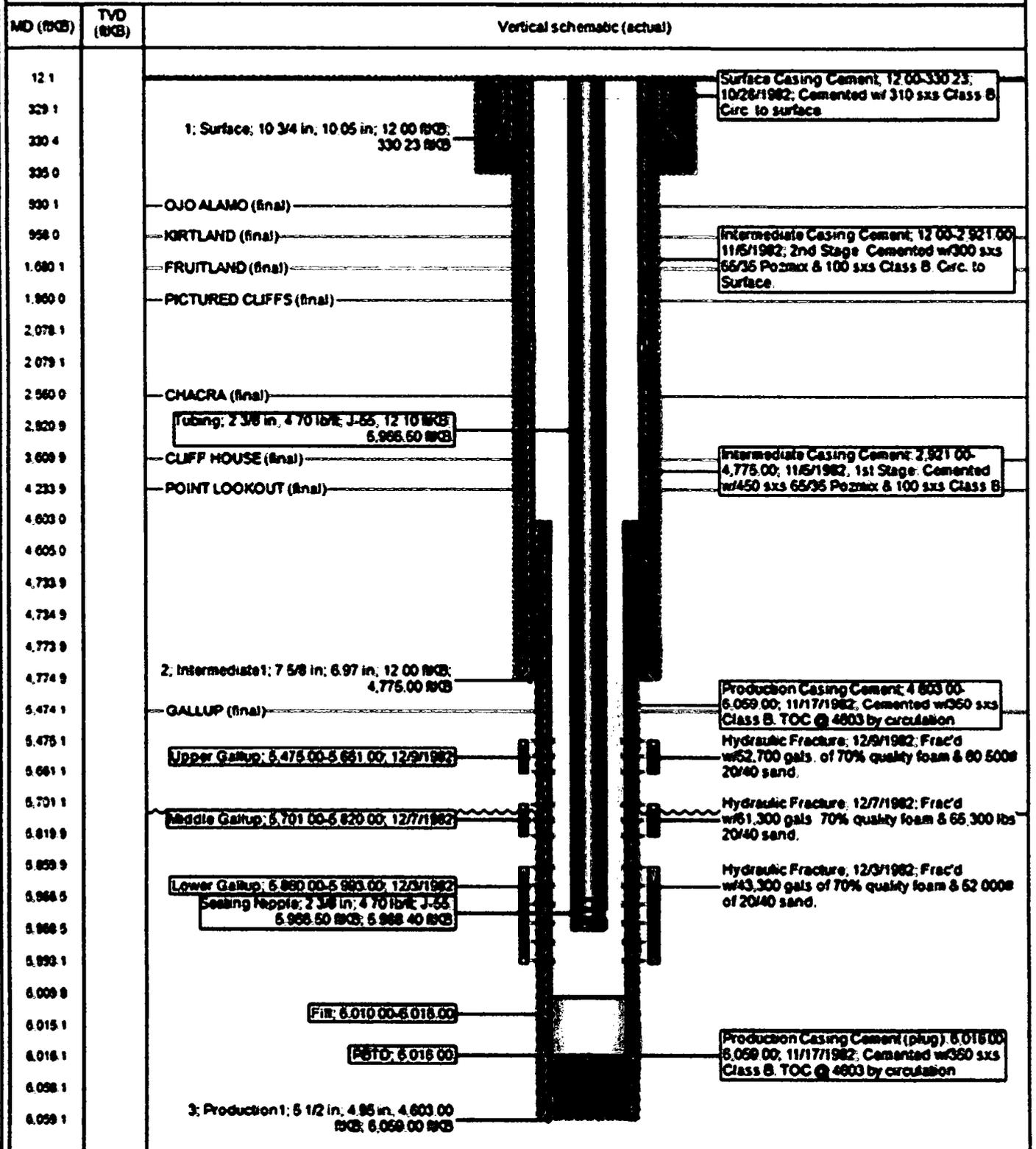
### JOB PROCEDURES

1. MIRU Service rig and associated equipment, test BOP. Check Bradenhead pressures daily and record throughout the recomplete project. Notify NMOCD and BLM if any anomalous pressures changes occur on the Bradenhead.
2. TOOH w/ 2 3/8" tubing set at 5968'.
3. Set initial CIBP at 5425' or deeper (no higher than 50' above existing perforations)
4. Perform MIT from initial CBP, providing 24 hr notice to BLM and NMOCD. Once completed, review and submit the MIT charted test results to both the NMOCD and BLM. If the MIT fails, discuss and gain approval with both the NMOCD and BLM with a plan of action to remediate the wellbore. Perform a 2nd MIT once remediated.
5. *Note: 12/2/82 BlueJet CBL on 5-1/2" liner. Cement circulated to surface on 7-5/8" string.*
6. Optionally set bridge plug below intended recomplete interval.
7. ND BOP, NU frac stack. Pressure test the production casing or frac string and frac stack to maximum frac pressure. The pressure test will not exceed 85% of the internal yield pressure rating of the primary treatment string.
8. Perforate and frac the Mesa Verde within 3610'-4734'.
9. Optionally set a kill plug above recomplete interval for casing fracs.
10. ND the frac stack, NU the BOP and test.
11. MU and TIH with a mill. Tag and drill out the top isolation plug and Mesa Verde frac plugs if applicable.
12. Clean out the wellbore to the top of the Gallup isolation plug.
13. Once water and sand rates are acceptable, drill out the Gallup isolation plug and cleanout to PBTD of 6016'. TOOH.
14. TIH and land production tubing. Get a commingled Gallup/MV flow rate.

Well Name: **ZACHRY #32**

API Well 3004525473	Surface Log Location 034-028N-010W-K	Field Name ARMENTA GALLUP	Field 0707	State/Province NEW MEXICO	Well Completion Type
Original Depth (ft) 5,723.00	Original BART Depth (ft) 5,735.00				

Original Hole, 5/3/2019 2 11:40 PM



Surface Casing Cement, 12 00-330.23; 10/28/1982; Cemented w/ 310 sxs Class B Circ to surface

Intermediate Casing Cement, 12 00-2,921.00; 11/5/1982; 2nd Stage Cemented w/ 300 sxs 66/36 Pozmix & 100 sxs Class B Circ to Surface

Intermediate Casing Cement, 2,921.00-4,775.00; 11/5/1982; 1st Stage Cemented w/ 450 sxs 66/36 Pozmix & 100 sxs Class B

Production Casing Cement, 4,603.00-6,069.00; 11/17/1982; Cemented w/ 350 sxs Class B. TOC @ 4803 by circulation

Hydraulic Fracture, 12/9/1982; Frac'd w/ 52,700 gals. of 70% quality foam & 60 5000 20/40 sand.

Hydraulic Fracture, 12/7/1982; Frac'd w/ 61,300 gals. 70% quality foam & 65 300 lbs 20/40 sand.

Hydraulic Fracture, 12/3/1982; Frac'd w/ 43,300 gals of 70% quality foam & 52 0000 of 20/40 sand.

Production Casing Cement (plug), 6,016.00-6,069.00; 11/17/1982; Cemented w/ 350 sxs Class B. TOC @ 4803 by circulation