

Well Name: PAYNE	Well Location: T31N / R13W / SEC 26 / NWNW / 36.87589 / -108.17854	County or Parish/State: SAN JUAN / NM
Well Number: 3E	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078464	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004525953	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2658135

Type of Submission: Notice of Intent	Type of Action: Workover Operations
Date Sundry Submitted: 02/21/2022	Time Sundry Submitted: 01:05
Date proposed operation will begin: 03/01/2022	

Procedure Description: Hilcorp Energy is requesting approval to repair the bradenhead on the subject well per the attached procedure and wellbore diagram. NOTE: This is a revised procedure that replaces previous NOI approval.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

Payne\_3E\_BHD\_Repair\_NOI\_Revised\_20220221130351.pdf

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<b>US Well Number:</b> 3004525953	<b>Well Status:</b> Producing Gas Well	<b>Operator:</b> HILCORP ENERGY COMPANY

Operator Certification

I certify that the foregoing is true and correct. 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. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.

<b>Operator Electronic Signature:</b> TAMMY JONES	<b>Signed on:</b> FEB 21, 2022 01:05 PM
<b>Name:</b> HILCORP ENERGY COMPANY	
<b>Title:</b> Regulatory Compliance Specialist	
<b>Street Address:</b> 382 ROAD 3100	
<b>City:</b> AZTEC	<b>State:</b> NM
<b>Phone:</b> (505) 324-5185	
<b>Email address:</b> tajones@hilcorp.com	

Field Representative

<b>Representative Name:</b>		
<b>Street Address:</b>		
<b>City:</b>	<b>State:</b>	<b>Zip:</b>
<b>Phone:</b>		
<b>Email address:</b>		

BLM Point of Contact

<b>BLM POC Name:</b> KENNETH G RENNICK	<b>BLM POC Title:</b> Petroleum Engineer
<b>BLM POC Phone:</b> 5055647742	<b>BLM POC Email Address:</b> krennick@blm.gov
<b>Disposition:</b> Approved	<b>Disposition Date:</b> 02/23/2022
<b>Signature:</b> Kenneth Rennick	



## HILCORP ENERGY COMPANY

Payne 3E

Bradenhead Repair

API #:

3004525953

## JOB PROCEDURES

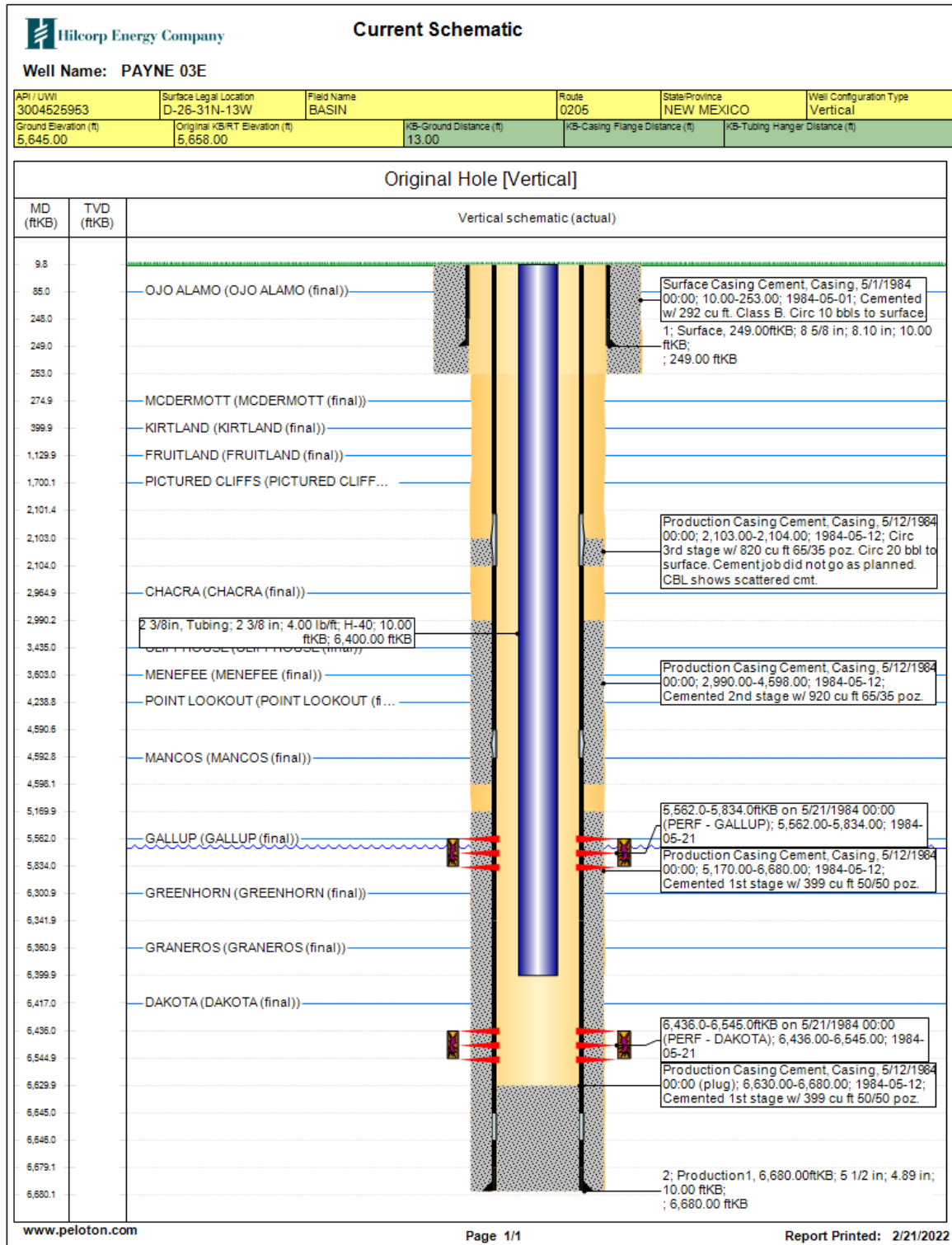
- ☒ NMOCD **Contact BLM and OCD 24 hrs prior to MIRU. Record and document all casing pressures daily, including BH, IC (if present) and PC. Comply with all NMOCD, BLM, and HEC safety and environmental regulations.**
- ☒ BLM

1. Hold pre-job safety meeting. Comply with all **BLM, NMOCD** and HEC safety and environmental regulations. Scope location for base beam. If base beam can not be used, test rig anchors prior to moving in rig. Verify there is no H2S present prior to beginning operations. Verify cathodic is offline.
2. MIRU workover rig. Check casing, tubing, and bradenhead pressures and record them in WellView.
3. Remove existing piping on casing valve. RU blow lines from casing valves and begin blowing down casing pressure.
4. ND wellhead and NU BOPE. Test and chart BOPs as per regulations. Record pressure test. PU and remove tubing hanger. MU tbg joints and RIH. Tag for fill and record fill depth in WellView. RU tbg scanner. TOO H with all prod tbg while scanning.
5. MU 5.5" csg scraper and RIH to **+/- 5512' (50' above top perf)**. TOO H and LD scraper. MU 5.5" bridge plug and RIH with 2-3/8" workstring. Land plug at **+/- 5512'**. Contact NMOCD and BLM 24 hours prior to upcoming (end of job's) MIT. Load csg with water and PT casing at 580 psi for 30 mins to verify casing integrity prior to squeezing. Chart record the test. TOO H.
6. RU E-line and perforate 5.5" casing at **+/- 450'**. POOH with perf equip. RD E-line equip.
7. Attempt to establish an injection rate with water into the perforations, and circulate up the Bradenhead. If unable, spot a balanced plug across the perforations to squeeze them.
8. RU cement crew. Pump Class G cement- adequate cement volumes with 100% excess to bring cement to surface. Circulate cement to surface. If unable, spot a balanced plug and squeeze the 5.5" perforations. WOC.
9. Drill out cement inside 5.5" casing. Contact NMOCD and BLM 24 hours prior to MIT. Pressure test the 5.5" casing to 580 psi for 30 min and record on a 2 hour chart for official MIT. Submit chart to regulatory.
10. RIH w/ bit and drill out or retrieve 5.5" bridge plug. MU 2-3/8" production tbg and RIH. Land tbg between ~6400 and 6500'.
11. ND BOPE, NU Wellhead and RDMO. Reschedule official Bradenhead test with OCD.



**HILCORP ENERGY COMPANY**  
**Payne 3E**  
**Bradenhead Repair**

**Payne 3E - CURRENT WELLBORE SCHEMATIC**





# HILCORP ENERGY COMPANY

## Payne 3E

### Bradenhead Repair

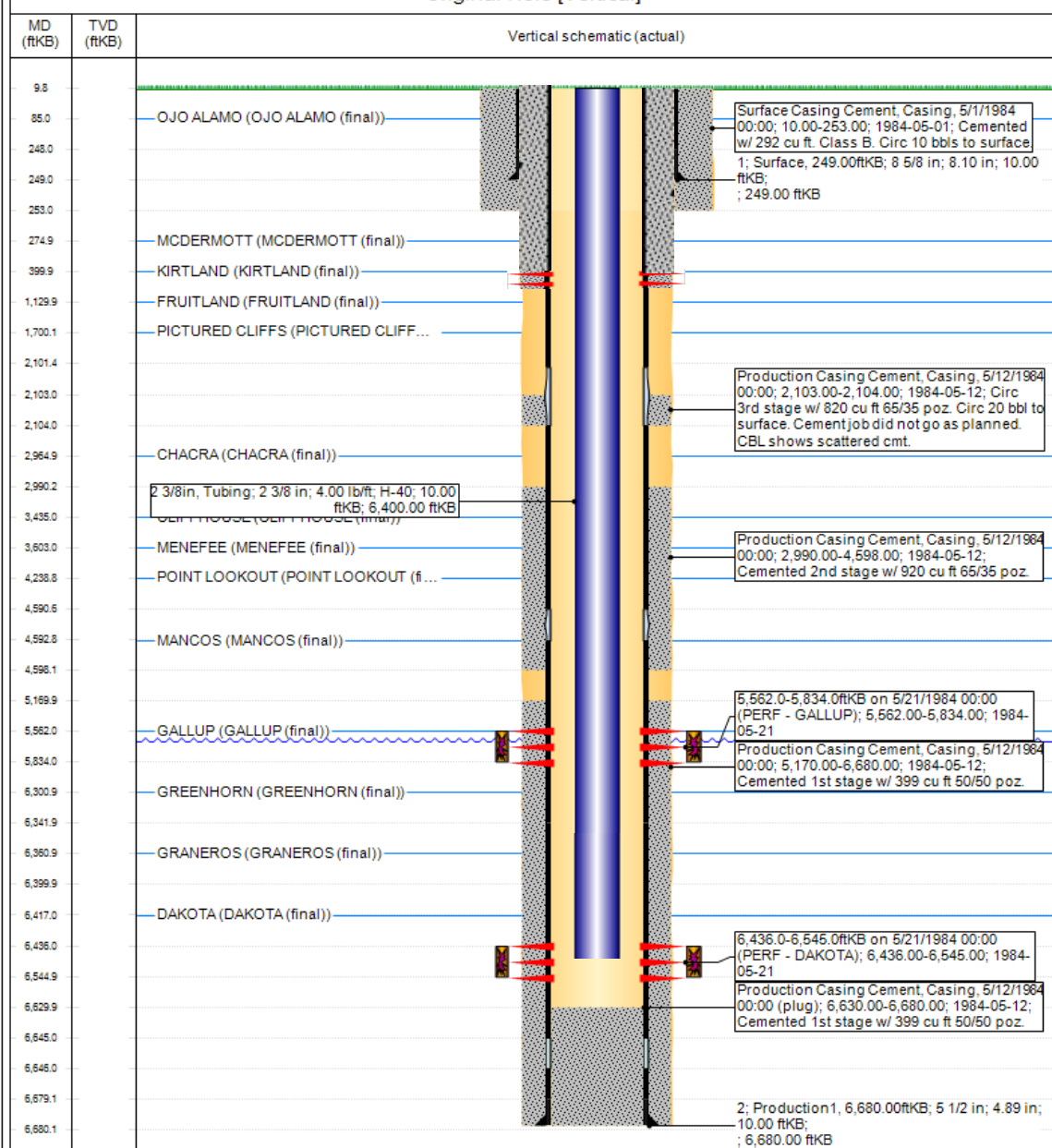
Payne 3E - PROPOSED WELLBORE SCHEMATIC



Well Name: PAYNE 03E

API / UWI 3004625953	Surface Legal Location D-26-31N-13W	Field Name BASIN	Route 0205	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 5,645.00	Original KBRT Elevation (ft) 5,658.00	KB-Ground Distance (ft) 13.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

## Original Hole [Vertical]



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Report Printed: 2/21/2022

**BLM - FFO - Geologic Report****Date Completed** 2/18/2022

Well No.	Payne	# 3E	Surf. Loc.	850	FNL	940	FWL
			Sec.	26	T31N		R13W
Lease No. NMSF078464							
Operator	Hilcorp Energy Co		County	San Juan		State	New Mexico
TVD	6680	PBTD	6630	Formation	Dakota SS		
Elevation	GL			Elevation	Est. KB	5659	

<b>Geologic Formations</b>	<b>Est. tops</b>	<b>Subsea Elev.</b>	<b>Remarks</b>
Nacimiento Fm	Surface	5881	Surface /fresh water sands
Ojo Alamo Ss	85	5509	Fresh water aquifer
McDermott	275	5384	
Kirtland Fm.	400	5259	
Fruitland Fm.	1130	4529	Coal/gas/possible water
Pictured Cliffs	1700	3959	

Remarks:Reference Map and Wells:

-Vertical wellbore, all formation depths are TVD

-This Geology Report is intended to address the portion of this well bore from the Fruitland formation to the surface.

1) Fm Tops  
Hilcorp Energy Co  
Same

2) Geologic Map of New Mexico, NM  
Bureau of Mines and Mineral Resources.  
2003

Prepared by: Walter Gage

**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**

CONDITIONS

Action 83858

**CONDITIONS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 83858
	Action Type: [C-103] NOI Workover (C-103G)

**CONDITIONS**

Created By	Condition	Condition Date
mkuehling	Approval is given to perforate at 450 feet - however, it is denied taking cement into the surface casing shoe. NMOCD picks top of Kirtland at 380 feet A squeeze can be set from 450 feet to 300 feet being careful not to go past 300 feet inside outside. To go into the shoe is to trap the gas. WOC after squeeze - A discussion with NMOCD after squeeze and drill out will determine how to proceed. Contact this office 24 hours prior to moving rig on. All MITS are required to be witnessed by an inspector from this office.	2/24/2022