

<b>Well Name:</b> SUNRAY E	<b>Well Location:</b> T30N / R10W / SEC 9 / SWNW / 36.82939 / -107.894913	<b>County or Parish/State:</b> SAN JUAN / NM
<b>Well Number:</b> 2B	<b>Type of Well:</b> CONVENTIONAL GAS WELL	<b>Allottee or Tribe Name:</b>
<b>Lease Number:</b> NMSF077730	<b>Unit or CA Name:</b>	<b>Unit or CA Number:</b>
<b>US Well Number:</b> 3004530013	<b>Well Status:</b> Gas Well Shut In	<b>Operator:</b> HILCORP ENERGY COMPANY

**Notice of Intent**

**Type of Submission:** Notice of Intent

**Type of Action:** Temporary Abandonment

**Date Sundry Submitted:** 08/25/2021

**Time Sundry Submitted:** 08:55

**Date proposed operation will begin:** 08/29/2021

**Procedure Description:** Hilcorp Energy Company requests to TA the subject well to evaluate for future uphole potential using the attached procedure, wellbore diagram and proposed wellbore diagram.

**Surface Disturbance**

**Is any additional surface disturbance proposed?:** No

**NOI Attachments**

**Procedure Description**

UPDATED\_Sunray\_E\_2B\_Wellbore\_Prep\_NOI\_20210825085545.pdf

**Conditions of Approval**

**Specialist Review**

2630429\_TA\_SUNRAY\_E\_2B\_3004530013\_KR\_08252021\_20210825091909.pdf

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**Operator:** 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.*

**Operator Electronic Signature:** AMANDA WALKER

**Signed on:** AUG 25, 2021 08:55 AM

**Name:** HILCORP ENERGY COMPANY

**Title:** Operations/Regulatory Technician

**Street Address:** 1111 TRAVIS ST.

**City:** HOUSTON **State:** TX

**Phone:** (346) 237-2177

**Email address:** mwalker@hilcorp.com

**Field Representative**

**Representative Name:**

**Street Address:**

**City:** **State:** **Zip:**

**Phone:**

**Email address:**

**BLM Point of Contact**

**BLM POC Name:** KENNETH G RENNICK

**BLM POC Title:** Petroleum Engineer

**BLM POC Phone:** 9708783846

**BLM POC Email Address:** krennick@blm.gov

**Disposition:** Approved

**Disposition Date:** 08/25/2021

**Signature:** Kenneth Rennick



Hilcorp Energy Company  
 Sunray E 2B  
 Wellbore Prep for Recomplete  
 API #: 3004530013

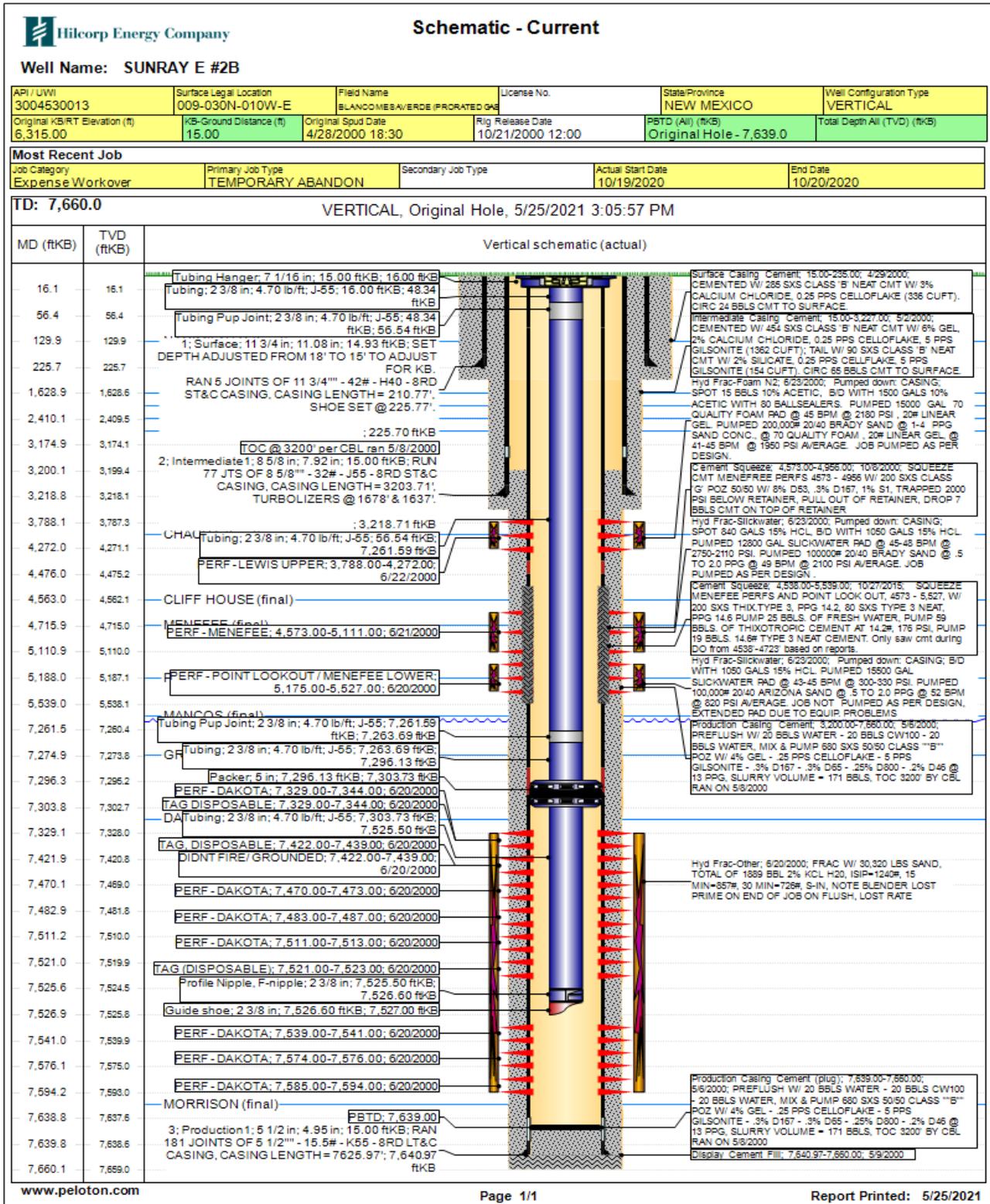
PROCEDURE

1. Hold a pre-job safety meeting prior to beginning all operations or during a change in operational scope or initiation of SIMOPs. Properly document all operations via the JSA process. Insure that all personnel onsite abide by HEC safety protocol, including PPE, housekeeping, and procedures. Verify cathodic protection is off and wellhead instrumentation is properly disconnected from wellhead. Comply with all NMOCD, BLM, and HEC safety and environmental regulations. Verify there is no H2S present prior to beginning operations. If H2S is present, take the necessary actions to insure that the operation is safe prior to beginning operations. Observe and record pressures across all strings daily, prior to beginning operations. **Notify NMOCD and BLM 24 hours in advance of beginning operations.**
2. MIRU workover rig and cementing equipment.
3. Check casing, tubing, and Bradenhead pressures.
4. Remove existing piping on casing valve and begin blowing down casing pressure. Ensure well is dead or on a vacuum - kill well as necessary.
5. ND wellhead, NU BOP and function test. RU floor and 2-3/8" handling tools.
6. Release packer set at 7296'.
7. TOOH with 2-3/8" production tubing and packer, visually inspecting.
8. TIH with CICR and set at 7279'.
9. Pressure test tubing to 500 psi. Sting out of CICR and roll the hole with freshwater. Note: casing will not test until Lewis perforations are isolated. WOC will be required for successful pressure test on casing.
10. Plug 1, 7279'-7179' (Perf 7329'-7594', Dakota Top 7325'): Pump 18 sx of Class G cement. Spot plug on top of CICR to cover perforations and Dakota top. PU above Lewis perfs.
11. WOC, then RIH and tag plug to confirm TOC.
12. Lay down tubing to 6531'.
13. Plug 2, 6531'-6431' (Gallup Top 6481'): Mix and pump 24 sx of Class G cement and spot balanced plug to cover the Gallup top. PU above Lewis perfs.
14. WOC, then RIH and tag plug to confirm TOC.
15. Lay down tubing to 5595'.
16. Plug 3, 5595'-5495' (Mancos Top: 5545'): Mix and pump 24 sx of Class G cement and spot balanced plug to cover the Mancos top. PU above Lewis perfs.
17. WOC, then RIH and tag plug to confirm TOC.
18. Lay down tubing to 5231'.
19. Plug 4, 5231'-4513' (Mesaverde; Point Lookout Top 5181', Cliffhouse Top 4563'). Mix and pump 90 sx of Class G cement and spot balanced plug to cover the Mesaverde (Point Lookout and Cliffhouse) top. PU above Lewis perfs.
20. WOC, then RIH and tag plug to confirm TOC.
21. Lay down tubing to 3738' then TOOH.
22. TIH w/ CICR and set at 3738'.
23. Pressure test casing to 500 psi to confirm casing integrity.
24. Plug 5, 3738'-3638' (Lewis Perforations 3788'-4272', Chacro Top: 3990'): Mix and pump 18 sx of Class G cement and spot balanced plug on top of CICR to cover the Lewis perforations and the Chacra top. PU and reverse circulate tubing clean.
25. Lay down all tubing.
26. RD cementing equipment and rig. Move off location. Wellbore is prepped for a future recomplete in the Pictured Cliffs.



Hilcorp Energy Company
Sunray E 2B
Wellbore Prep for Recomplete
API #: 3004530013

WBD - CURRENT





### Hilcorp Energy Company

3004525892

Wellbore Prep for Recomplete

API #: 3004530013

#### WBD - PROPOSED

Ojo Alamo Top: 1629  
Kirtland Top: 1754  
Fruitland Top: 2410  
Pictured Cliff Top: 2968'

PC Base: 3124'

Chacra Top: 3990'

Cliff House Top: 4563'  
Mesaverde Top: 5181'

Mancos Top: 5545'

Gallup Top: 6481'

Dakota Top: 7325'

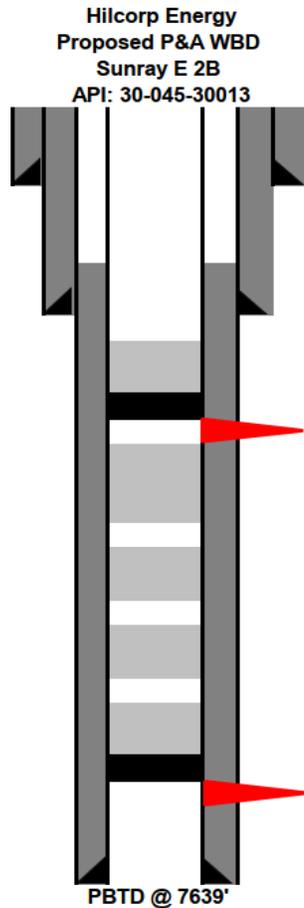
Plug 5: 3738' - 3638'  
18sxs Class G  
Set CICR @ 3738'

Plug 4: 5231' - 4513'  
90 sxs Class G

Plug 3: 5595' - 5495'  
24 sxs Class G

Plug 2: 6531' - 6431'  
24 sxs Class G

Plug 1: 7279' - 7179'  
18 sxs Class G  
Set CICR @ 7279'



Surface Casing:  
11-3/4" 42# set @ 226'

TOC @ 3200' per CBL  
Intermediate Casing:  
8-5/8" 32# set @ 3218'  
circulated 65 bbls to surface

Lewis Perforations: 3788' - 4272'

squeezed on 6/21/2000  
menefee perms 4573' - 5111'  
point lookout perms 5175' - 5527'  
squeezed on 6/20/2000

Perforations: 7329' - 7594'

Production Casing:  
5-1/2" 15.5# set @ 7641'  
.1336 per ft3/ft

PBTD @ 7639'

**UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
FARMINGTON DISTRICT OFFICE  
6251 COLLEGE BLVD.  
FARMINGTON, NEW MEXICO 87402**

Attachment to notice of Intent for TA Operations:

Well: Sunray E 2B (Sundry ID 2630429)

**CONDITIONS OF APPROVAL**

1. Contact BLM Inspection and Enforcement at (505) 564 – 7750 hours prior to conducting work so an inspector can be present to witness the setting of the proposed plugs.
2. File a subsequent report detailing work completed with exact dates (month, day, year) within 30 days of completing operations. Also file a request for Temporary Abandonment status for a 12-month with the exact effective date the well was temporary abandoned. Provide in the request the future plans for the well.

K. Rennick 8/25/2021

**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 44354

**CONDITIONS**

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 44354
	Action Type: [C-103] NOI Temporary Abandonment (C-103I)

**CONDITIONS**

Created By	Condition	Condition Date
jagarcia	None	8/25/2021