

Well Name: SAN JUAN 32-7 UNIT	Well Location: T32N / R7W / SEC 28 / SWNE / 36.9534 / -107.568329	County or Parish/State: SAN JUAN / NM
Well Number: 63	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078472	Unit or CA Name: SAN JUAN 32-7 UNIT--DK	Unit or CA Number: NMNM78423C
US Well Number: 3004524391	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2664504

Type of Submission: Notice of Intent

Type of Action: Recompletion

Date Sundry Submitted: 03/30/2022

Time Sundry Submitted: 09:05

Date proposed operation will begin: 04/01/2022

**Procedure Description:** Hilcorp Energy Company requests to REVISE the Recomplete NOI to update the procedure to include squeezing off the Mancos after the DFIT test is complete.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

30045243910000\_SJ\_32\_7\_Unit\_63\_MV\_RC\_MAN\_DFIT\_with\_sqz\_20220330090541.pdf

Received by OCD: 3/31/2022 8:12:40 AM

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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: MAR 30, 2022 09:05 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: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Approved	Disposition Date: 03/31/2022
Signature: Kenneth Rennick	



**HILCORP ENERGY COMPANY**  
**SAN JUAN 32-7 UNIT 63**  
**MESA VERDE RECOMPLETION SUNDRY**

<b>Prepared by:</b>	Scott Anderson
<b>Preparation Date:</b>	February 8, 2022

WELL INFORMATION			
<b>Well Name:</b>	SAN JUAN 32-7 UNIT 63	<b>State:</b>	NM
<b>API #:</b>	3004524391	<b>County:</b>	SAN JUAN
<b>Area:</b>	5	<b>Location:</b>	1795' FNL & 1575' FEL - Unit G - Section 28 - T 032N - R 007W
<b>Route:</b>	505	<b>Latitude:</b>	36.953399 N
<b>Spud Date:</b>	1/4/1981	<b>Longitude:</b>	-107.56829 W

PROJECT DESCRIPTION
Isolate the Dakota formation, perforate and stimulate the Mesa Verde formation in 1-2 stages and commingle the Mesa Verde production with the existing Dakota formation production. Strip facilities if necessary; repair production eqmt as needed

CONTACTS			
Title	Name	Office Phone #	Cell Phone #
Engineer	Scott Anderson		248-761-3965
Area Foreman	Cameron Garrett		947-5683
Lead	Pat Hudman		320-2570
Artificial Lift Tech	Burl Applegate		320-1225
Operator	Lucas Mason		360-5085



**HILCORP ENERGY COMPANY**  
**SAN JUAN 32-7 UNIT 63**  
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**JOB PROCEDURES**

1. MIRU workover rig and associated equipment; NU and test BOP.
2. TOOH with 2 3/8" tubing set at 8,162'.
3. Set a 4-1/2" cast iron bridge plug at +/- 8,070' to isolate the Dakota. (Note the casing weight changes at 6649').
4. Load hole with KCI fluid and run a CBL on the 4-1/2" casing. Verify cement bond across the Mesa Verde and Mancos formations; confirm cement top and bottom behind the 4-1/2" casing. Review CBL results with engineering/NMOCD/BLM and perform cmt remediation, if required.
5. ND BOPs, NU frac stack. Pressure test the csg to DFIT pressure
6. Cap the CIBP with 10' of cement.
7. RU wireline and perforate the Mancos formation (between 6348-7471')
8. RIH w/ RBP and pressure gauge, position above Mancos top perf (do not set)
9. RU pump truck and perform DFIT (pump into Mancos w/ KCI fluid at approximately 4-6 bpm. Max volume = 40 bbls) on Mancos perforations. Shut down pump.
10. Set RBP and pressure gauge above the Mancos perforations.
11. SI well and monitor wellhead pressure. RDMO pump truck and wireline
12. MIRU, NDNU BOP, RIH w/retrieving tool and pull RBP, gauge
13. RIH w/ workstring, RU cementers and squeeze the Mancos perforations with cement
14. Drill out cement squeeze and pressure test the squeeze.
15. Set a second 4-1/2" cast iron bridge plug at +/- 6,348' to provide a base for the frac. Load the 7" x 4.5" annulus with packer fluid. If a casing frac is pursued, install 5K tubing head and pressure test casing to anticipated frac pressure, but do not exceed 80% of casing burst pressure. \*Burst pressure of 4-1/2" x 10.5# casing is 4,790 psig. 80% of burst is 3832 psig.
16. Perforate the Mesa Verde. (Top perforation @ 5,572', Bottom perforation @ 6,332')
17. Frac will be completed via existing casing or a frac string depending on TOC and casing integrity. If running a frac string set pkr at ~5,525'.
18. N/D BOP, N/U frac stack (if necessary) and test frac stack to frac pressure. IF a frac string is needed, open well and PT frac string to 9000# against the ceramic disc.
19. If necessary, RU slickline. RIH and break ceramic disc. RD slickline.
20. Frac the Mesa Verde in a single or multiple stages. Set CBPs between stages and a CIBP above the perforations in the case of a casing frac
21. IF a frac string is used, RU flowback eqmt if necessary. Flowback well until tubing pressure drops to working level and sand subsides or well loads up. RD flowback eqmt.
22. MIRU workover rig. Nipple down frac stack (if used), nipple up BOP and test.
23. If a frac string is used, release the pkr and POOH LD workstring.
24. If casing frac'd, drill out the top plug and clean out to the interstage CBP with air. Take and analyze Mesa Verde gas samples for each stage.
25. TIH with a mill and clean out to the top of the DK isolation plug at 8,070'. Take Mesa Verde gas samples and analyze.
26. Drill out Dakota isolation plug and cleanout to PBTD of 8,210'. TOOH.
27. TIH and land production tubing. Get a commingled Dakota/Mesa Verde flow rate.



**HILCORP ENERGY COMPANY**  
**SAN JUAN 32-7 UNIT 63**  
**MESA VERDE RECOMPLETION SUNDRY**

**SAN JUAN 32-7 UNIT 63 - CURRENT WELLBORE SCHEMATIC**

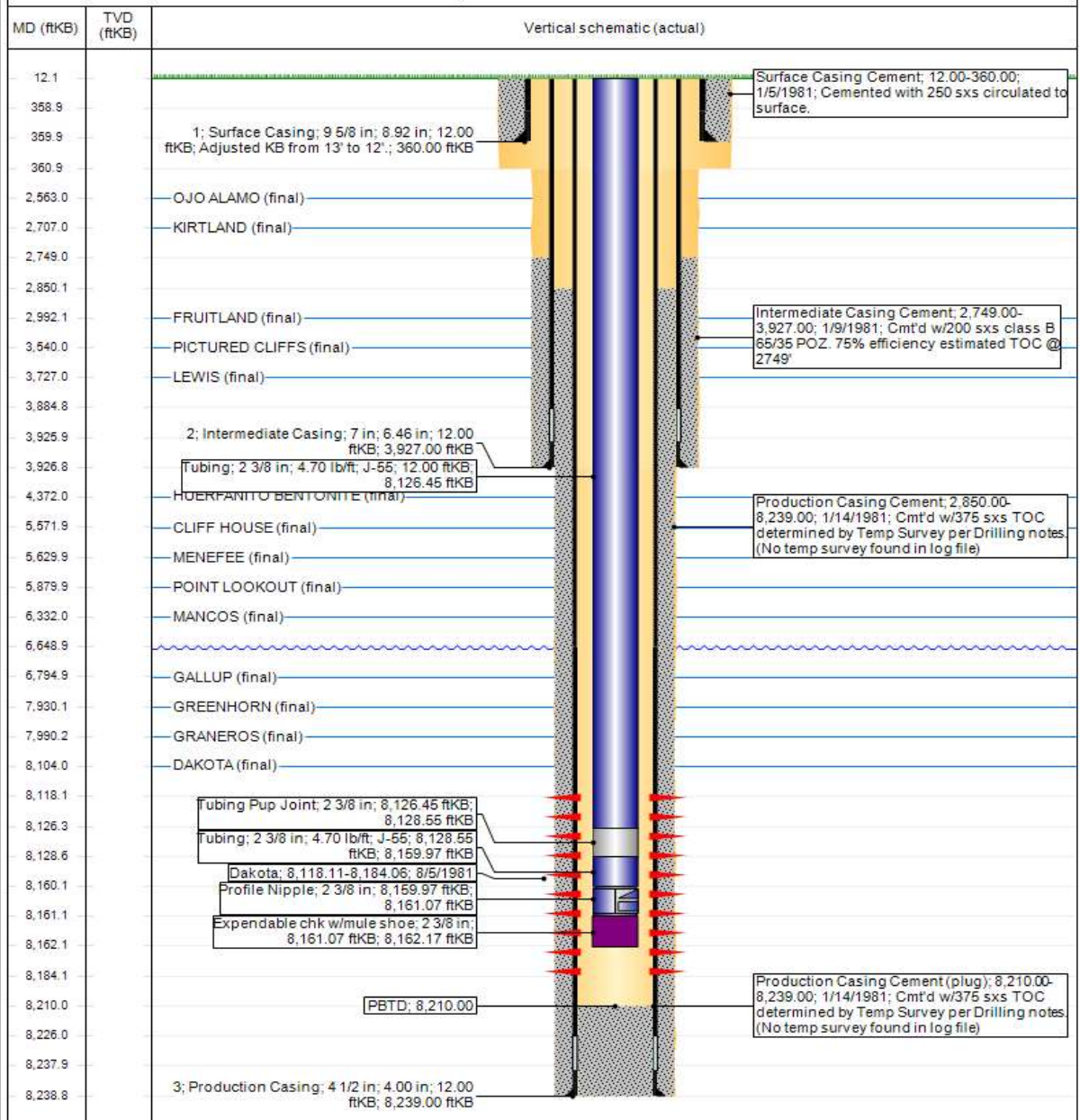


**Current Schematic**

**Well Name: SAN JUAN 32-7 UNIT #63**

API / UWI 3004524391	Surface Legal Location 028-032N-007W-G	Field Name DK	Route 0505	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 6,650.00	Original KB RT Elevation (ft) 6,662.00	KB-Ground Distance (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

Vertical, Original Hole, 6/26/2019 3:29:38 PM



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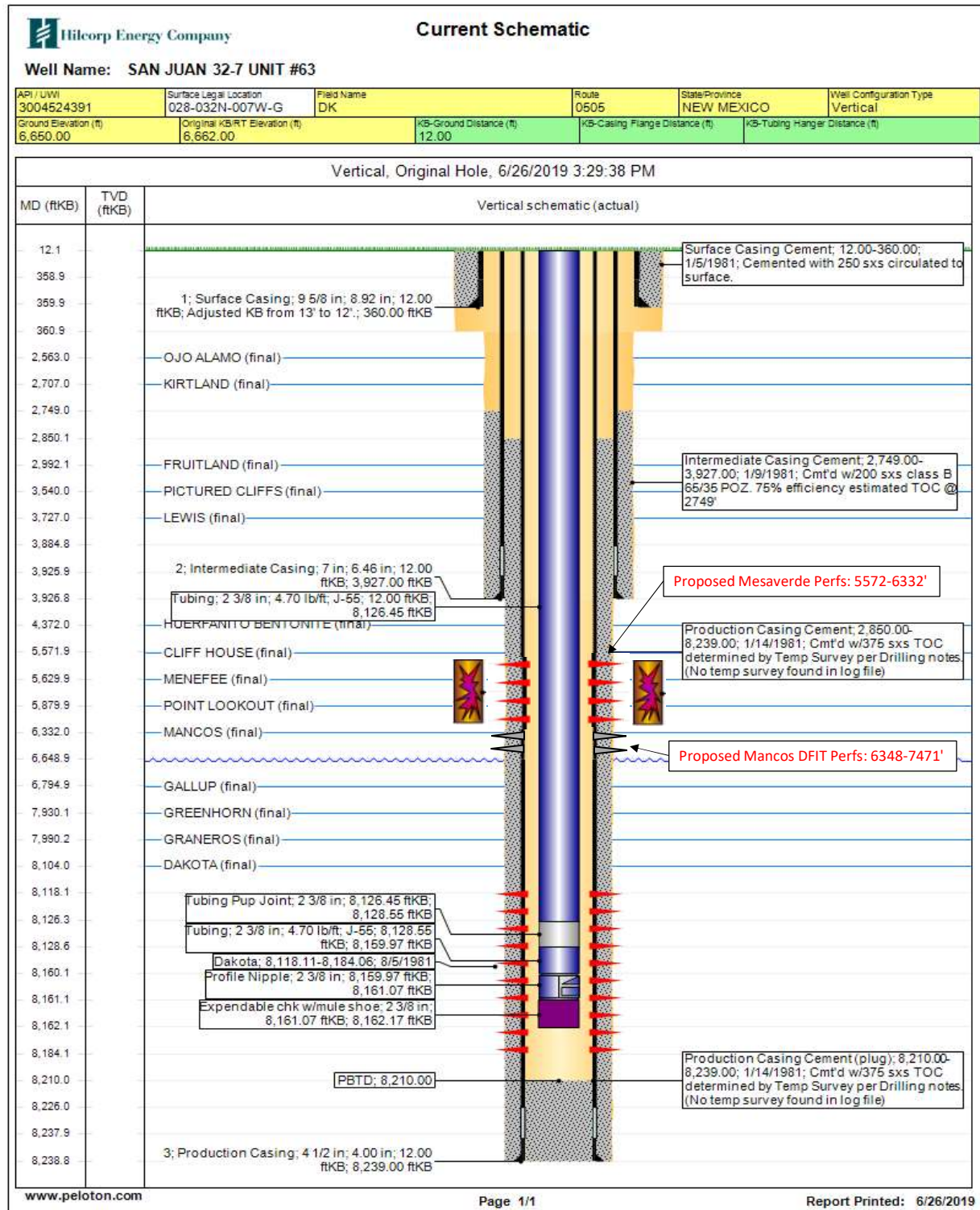
Report Printed: 6/26/2019





**HILCORP ENERGY COMPANY**  
**SAN JUAN 32-7 UNIT 63**  
**MESA VERDE RECOMPLETION SUNDRY**

**SAN JUAN 32-7 UNIT 63 - PROPOSED WELLBORE SCHEMATIC**



**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 94657

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 94657
	Action Type: [C-103] NOI Recompletion (C-103E)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD Conditions of Approval	3/31/2022