

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

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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**

Prepared by:	Scott Anderson
Preparation Date:	February 8, 2022

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

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 KCl 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/ KCl 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

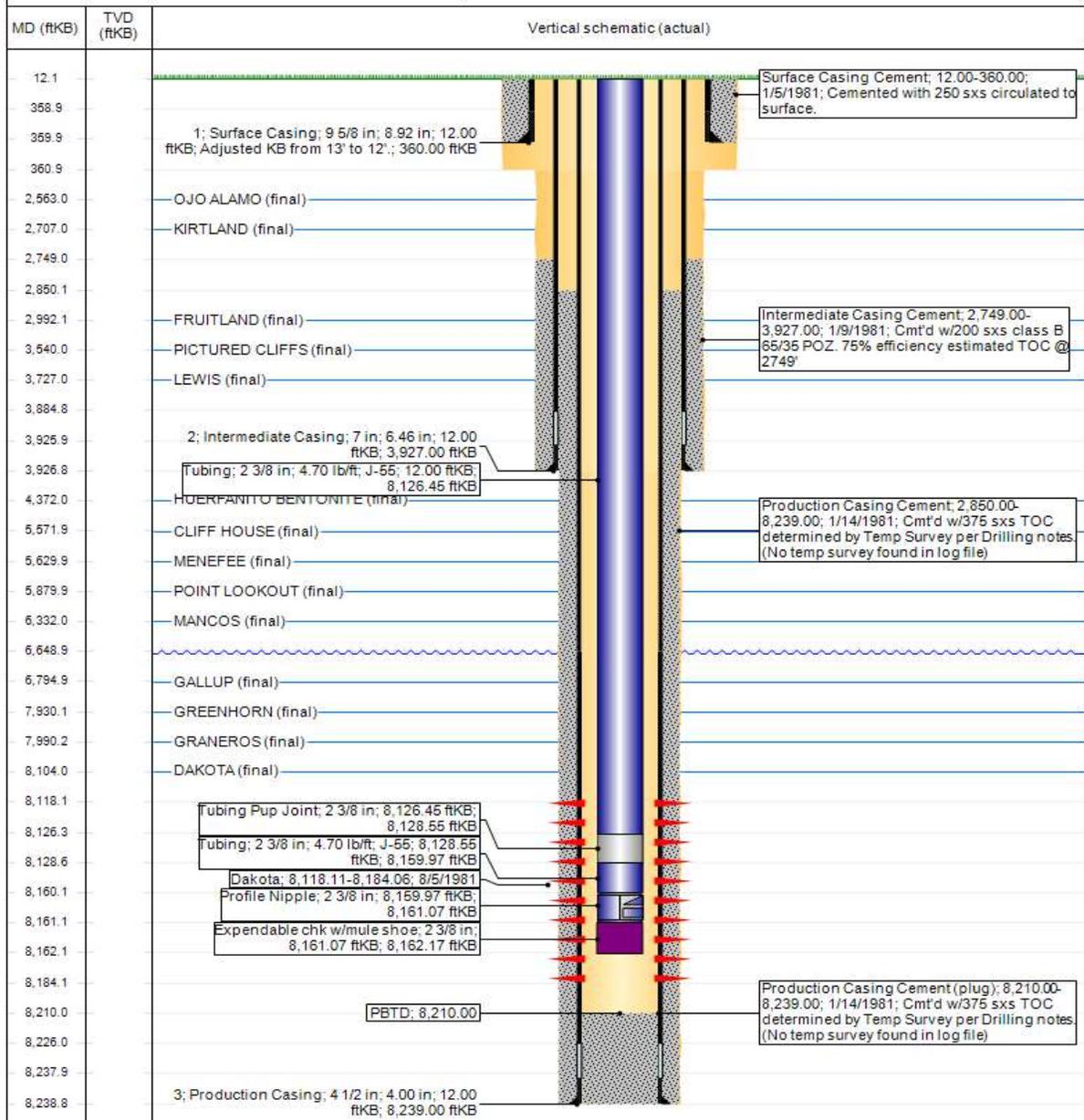


Current Schematic

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 KBRT Elevation (ft) 6,662.00	KB-Ground Distance (ft) 12.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

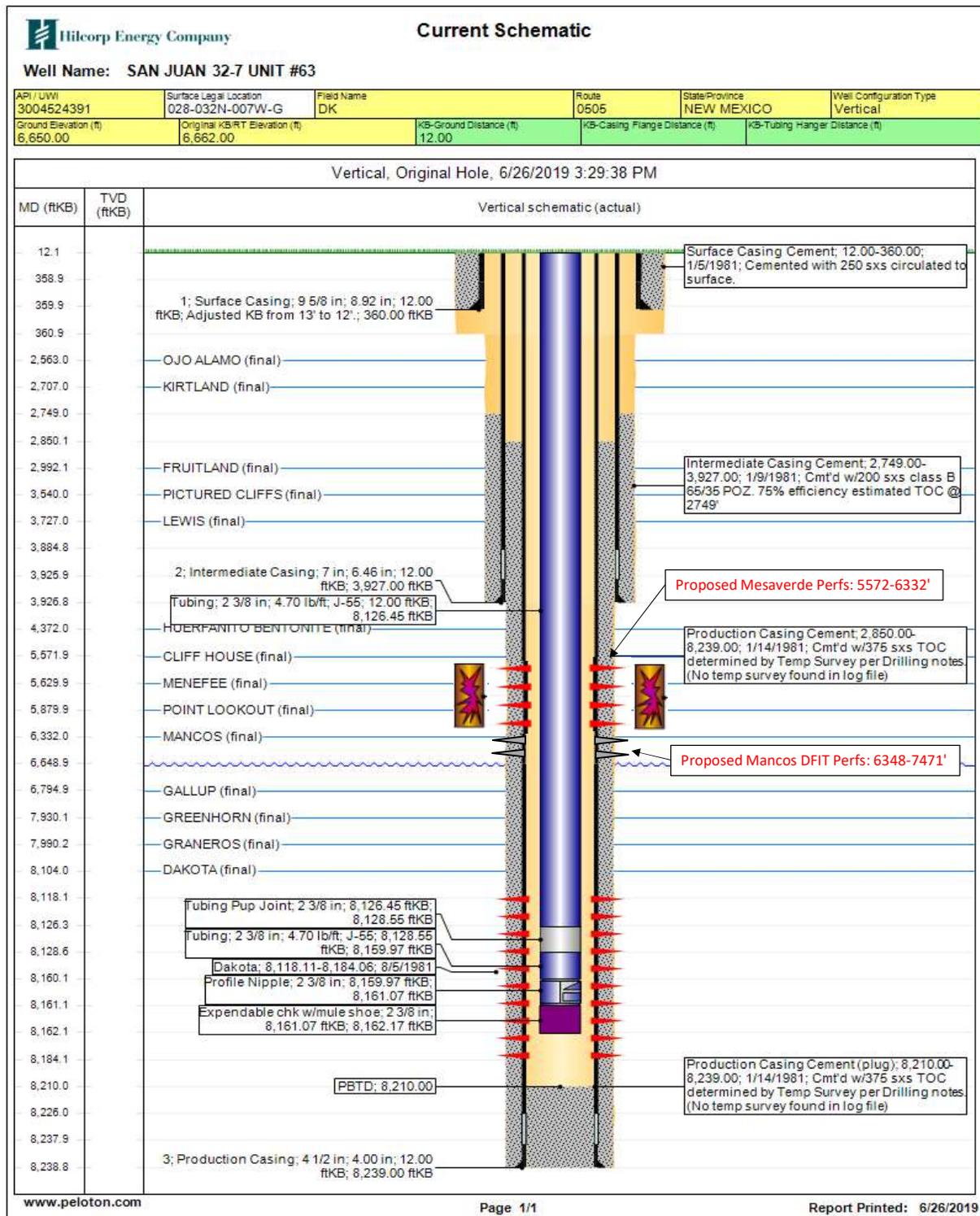
Vertical, Original Hole, 6/26/2019 3:29:38 PM





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