

Well Name: SAN JUAN 29-5 UNIT	Well Location: T29N / R5W / SEC 18 / NENE / 36.729614 / -107.393143	County or Parish/State: RIO ARRIBA / NM
Well Number: 68	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name:
Lease Number: NMSF078281	Unit or CA Name: SAN JUAN 29-5 UNIT--DK, SAN JUAN 29-5 UNIT--MV	Unit or CA Number: NMNM78415A, NMNM78415B
US Well Number: 3003920712	Well Status: Producing Gas Well	Operator: HILCORP ENERGY COMPANY

Notice of Intent

Sundry ID: 2717362

Type of Submission: Notice of Intent

Date Sundry Submitted: 02/23/2023

Date proposed operation will begin: 05/01/2023

Type of Action: Casing

Time Sundry Submitted: 08:50

Procedure Description: Hilcorp Energy is requesting approval to repair the bradenhead for the subject well per the attached procedure and wellbore diagram.

Surface Disturbance

Is any additional surface disturbance proposed?: No

NOI Attachments

Procedure Description

San\_Juan\_29\_5\_\_68\_BH\_NOI\_2.23.23\_20230223084922.pdf

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Operator

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

Operator Electronic Signature: TAMMY JONES

Signed on: FEB 23, 2023 08:50 AM

Name: HILCORP ENERGY COMPANY

Title: Regulatory Compliance Specialist

Street Address: 382 ROAD 3100

City: AZTECState: NM

Phone: (505) 324-5185

Email address: tajones@hilcorp.com

Field

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: 02/23/2023

Signature: Kenneth Rennick

**Hilcorp Energy Company**  
**SAN JUAN 29-5 UNIT 68**  
**BH Repair Sundry**

<b>Prepared by:</b>	Bennett Vaughn
<b>Preparation Date:</b>	February 23, 2023

WELL INFORMATION			
<b>Well Name:</b>	SAN JUAN 29-5 UNIT 68	<b>State:</b>	NM
<b>API #:</b>	3003920712	<b>County:</b>	RIO ARRIBA
<b>Area:</b>	Area 12	<b>Location:</b>	1180' FNL & 1180' FEL - Unit A - Section 18 - T 029N - R 005W
<b>Route:</b>	1208	<b>Latitude:</b>	36.72961 N
<b>Spud Date:</b>	10/28/1973	<b>Longitude:</b>	-107.393097 W
		<b>Formations:</b>	DK

PROJECT DESCRIPTION
The SJ 29-5 Unit 68 had pressure on the bradenhead in 2021. The well was squeezed between the intermediate casing shoe and the production casing and verified with CBL, then production casing was cut and the well was squeezed multiple times to stop any gas migration, including cement injected behind pipe and up around through bradenhead. Pressure has been eliminated on all strings of the well, but were having difficulty with MIT due to pinhole leak that would not test after multiple squeeze and drillout attempts with fine-grained specialty cement blends. Propose to attempt and squeeze off the holes and eliminate pressure again, and then run a 4-1/2" sealing overshot over the 4-1/2" casing stub to create continuous production casing string and isolate the squeezed intermediate and surface casing strings from the production casing.

CONTACTS			
Title	Name	Office Phone #	Cell Phone #
Engineer	Bennett Vaughn	346-237-2195	281-409-5066
Area Foreman	Freddie Garcia	NONE	505-486-9408
Lead	Calen Wilkins	NONE	505-320-2511
Artificial Lift Tech	Chris Huff	NONE	505-486-9680
Operator	Kyle Smith	NONE	505-787-1888

**NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT**

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC NM 87410  
(505) 334-6178 FAX: (505) 334-6170  
[http://emnrd.state.nm.us/oed/District III/3district.htm](http://emnrd.state.nm.us/oed/District%20III/3district.htm)

**BRADENHEAD TEST REPORT**

(submit 1 copy to above address)

Date of Test 2/17/2023 Operator Hilcorp Energy Company API # 3003920712  
 Property Name SAN JUAN 29-5 UNIT Well No. 68 Location: Unit A Section 18 Township 029N Range 005W  
 Well Status Shut-In Initial PSI: Tubing 0 Intermediate 0 Casing 0 Bradenhead 0

OPEN BRADENHEAD AND INTERMEDIATE TO ATMOSPHERE INDIVIDUALLY FOR 15 MINUTES EACH

Testing TIME	PRESSURE						FLOW CHARACTERISTICS	
	BRADENHEAD			INTERM			BRADENHEAD	INTERMEDIATE
	BH	Int	Csg	Int	Csg			
5 min	0	0	0	0	0		Steady Flow	
10 min	0	0	0	0	0		Surges	
15 min	0	0	0	0	0		Down to Nothing	
20 min							Nothing	Y
25 min							Gas	
30 min							Gas & Water	
							Water	

If Bradenhead flowed water, check all of the descriptions that apply below:

CLEAR \_\_\_\_\_ FRESH \_\_\_\_\_ SALTY \_\_\_\_\_ SULFUR \_\_\_\_\_ BLACK \_\_\_\_\_

If Intermediate flowed water, check all of the descriptions that apply below:

CLEAR \_\_\_\_\_ FRESH \_\_\_\_\_ SALTY \_\_\_\_\_ SULFUR \_\_\_\_\_ BLACK \_\_\_\_\_

5 MINUTE SHUT-IN PRESSURE Bradenhead 0 Intermediate 0

REMARKS:

Tested By Michael McConkie Witness Monica Kuehling



**HILCORP ENERGY COMPANY**  
**SAN JUAN 29-5 UNIT 68**  
**BH Repair Sundry**

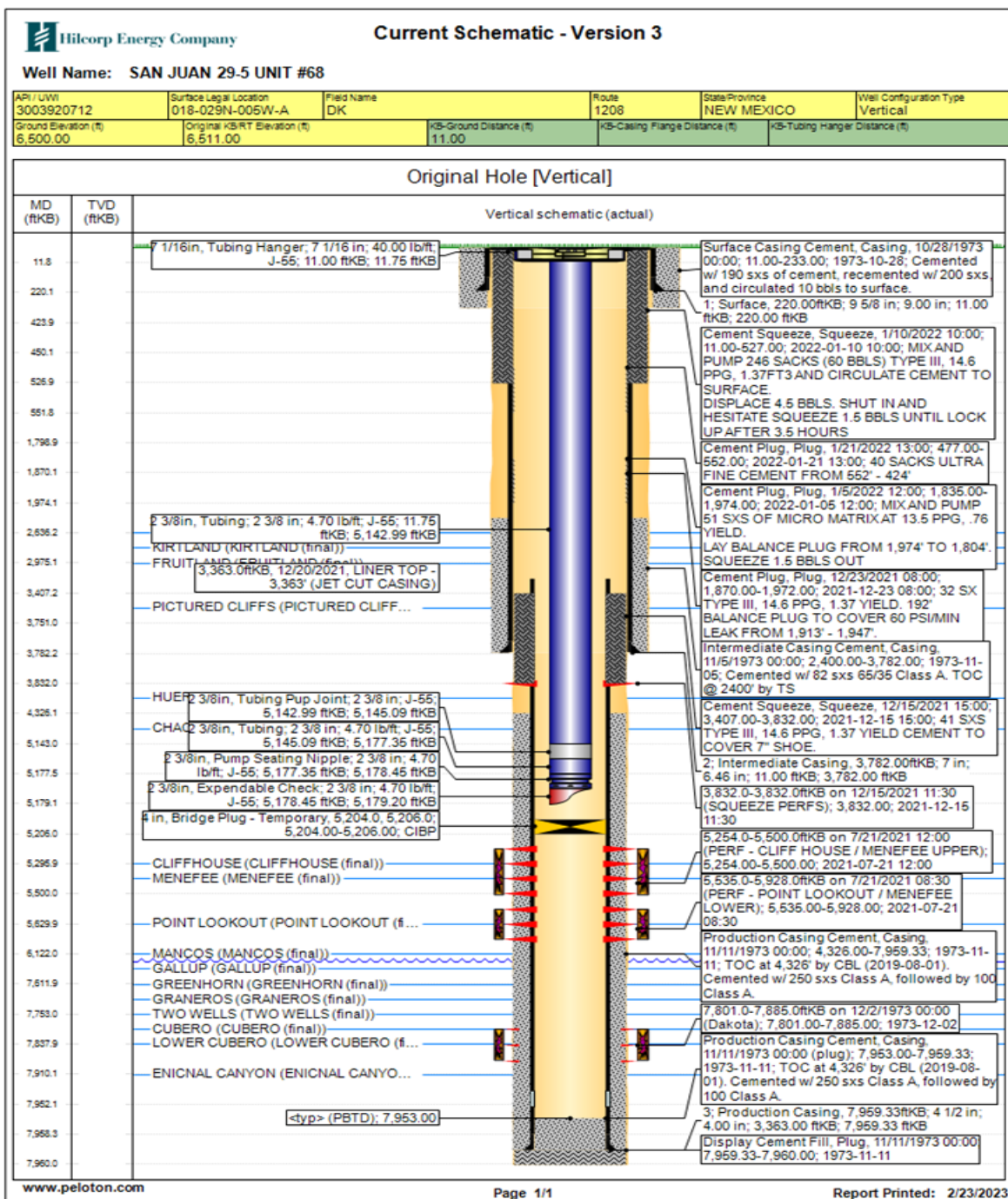
**JOB PROCEDURES**

1. MIRU on well. Verify that all strings of well have no pressure (checked throughout spring and on 2/17/23 most recently). This will verify that there is no gas migration from behind the intermediate casing. RU BOP.
2. TOOH with 2-3/8" tubing set at 5,179'.
3. RIH w/ 7" RBP and set at 2,100 to isolate good casing below.
4. RIH w/ another 7" RBP and a 7" packer in tandem, and continue pressure testing until all holes have been isolated.
5. Cont. to squeeze cement into holes until there is no longer pressure leaking off.
6. Schedule and pass a state witnessed MIT down to the RBP at 2,100.
7. RIH and retrieve RBP set at 2,100.
8. Run in hole with dress mill assembly. Dress off casing stub at 3,363'. POOH w/ dress mill.
9. TIH with 4-1/2" sealing overshoot on 4-1/2" casing. Engage sealing overshoot on liner top. Land 4-1/2" casing at surface and tie-back 4-1/2" string for production casing. Ensure seal is good.
10. Perform a pressure test down to CIBP set at 5,206'.
11. TIH with bit and drill out CIBP set at 5,206'. Circulate well clean. POOH
12. TIH with production tubing and land. Return MV/DK to production inside repaired 4-1/2" tie back string isolated from intermediate and surface casing strings.



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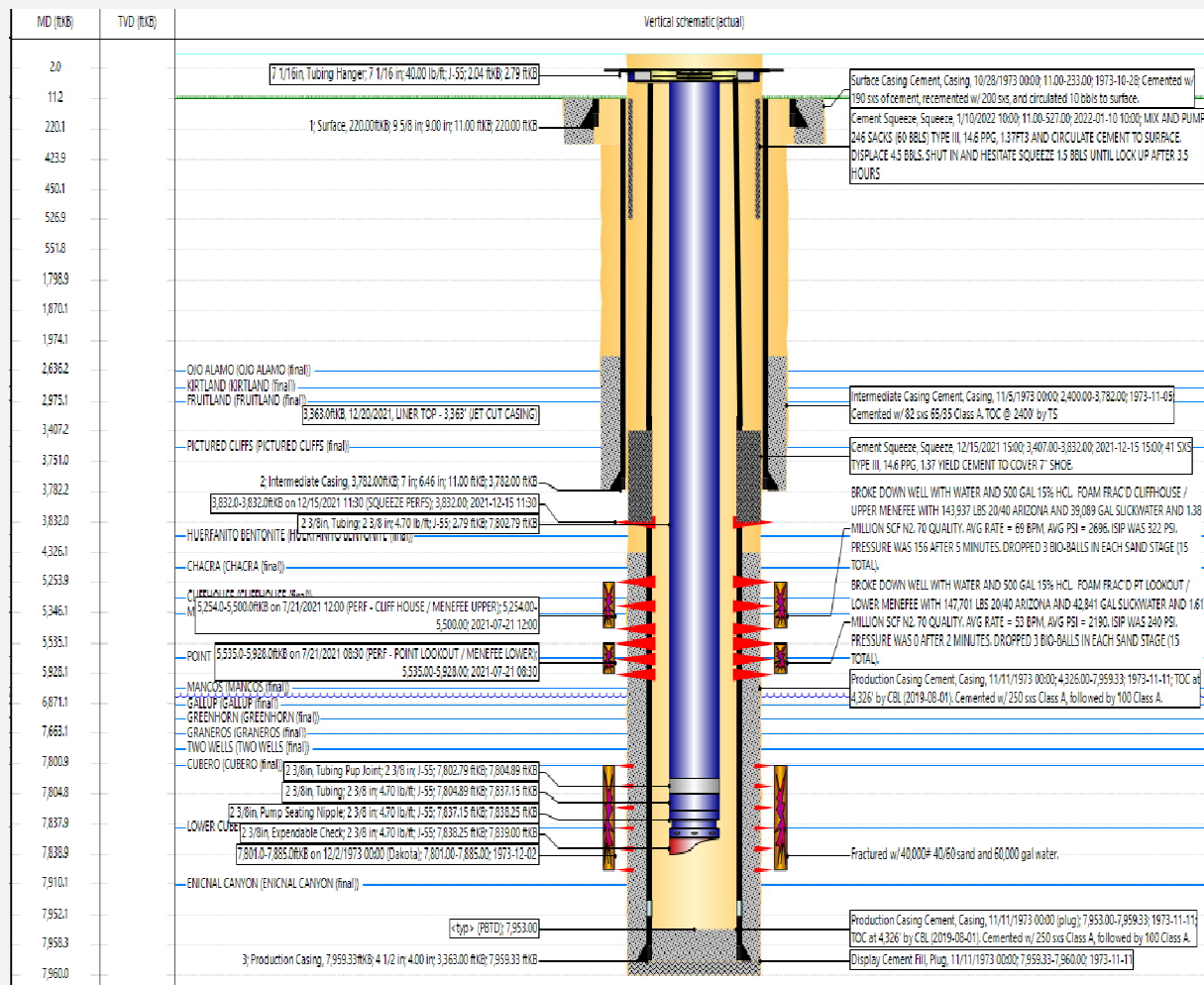
**SAN JUAN 29-5 UNIT 68 - CURRENT WELLBORE SCHEMATIC**





**HILCORP ENERGY COMPANY**  
**SAN JUAN 29-5 UNIT 68**  
**BH Repair Sundry**

**SAN JUAN 29-5 UNIT 68 - PROPOSED 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 189796

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 189796
	Action Type: [C-103] NOI Workover (C-103G)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	Replace piping from casing to bradenhead valve - dig out bradenhead - retest bradenhead with witness from this office - Notify NMOCD when holes are found in intermediate/production casing string - MIT required from 5206 to surface on intermediate/production casing with witness from this office - must pass MIT prior to continuing with placement of 4 1/2 - MIT required on 4 1/2 from 5206 to surface with witness from this office - Notify NMOCD 24 hours prior to any testing.	2/24/2023