

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

Type of Action: Casing

Date Sundry Submitted: 02/23/2023

Time Sundry Submitted: 08:50

Date proposed operation will begin: 05/01/2023

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: AZTEC

State: 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**

Prepared by:	Bennett Vaughn
Preparation Date:	February 23, 2023

WELL INFORMATION			
Well Name:	SAN JUAN 29-5 UNIT 68	State:	NM
API #:	3003920712	County:	RIO ARRIBA
Area:	Area 12	Location:	1180' FNL & 1180' FEL - Unit A - Section 18 - T 029N - R 005W
Route:	1208	Latitude:	36.72961 N
Spud Date:	10/28/1973	Longitude:	-107.393097 W
		Formations:	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/ocd/District III/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		
10 min	0	0	0	0	0		
15 min	0	0	0	0	0		
20 min						Y	Y
25 min							
30 min							

Steady Flow		
Surges		
Down to Nothing		
Nothing	Y	Y
Gas		
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

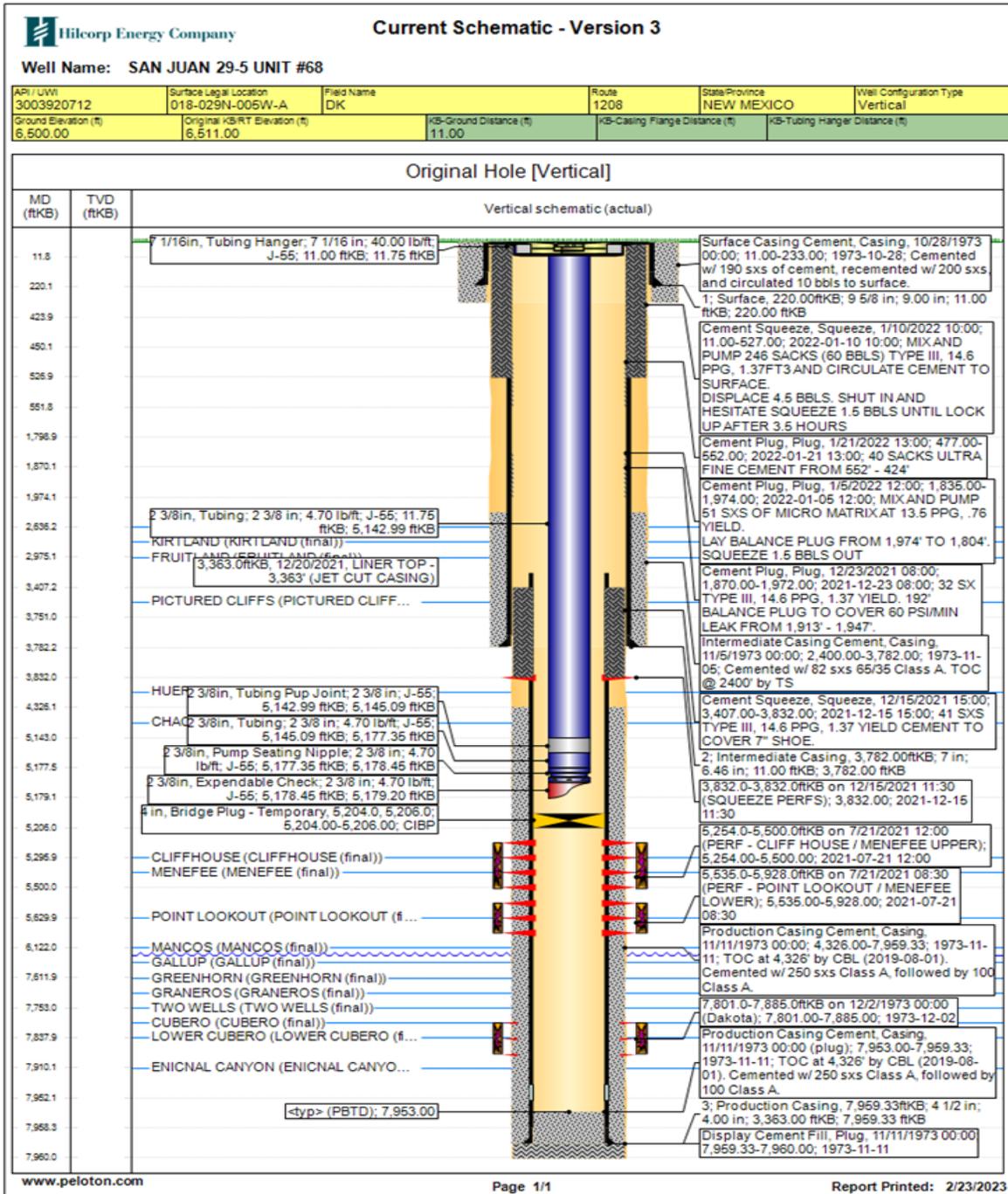
JOB PROCEDURES

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 overshot on 4-1/2" casing. Engage sealing overshot 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.



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

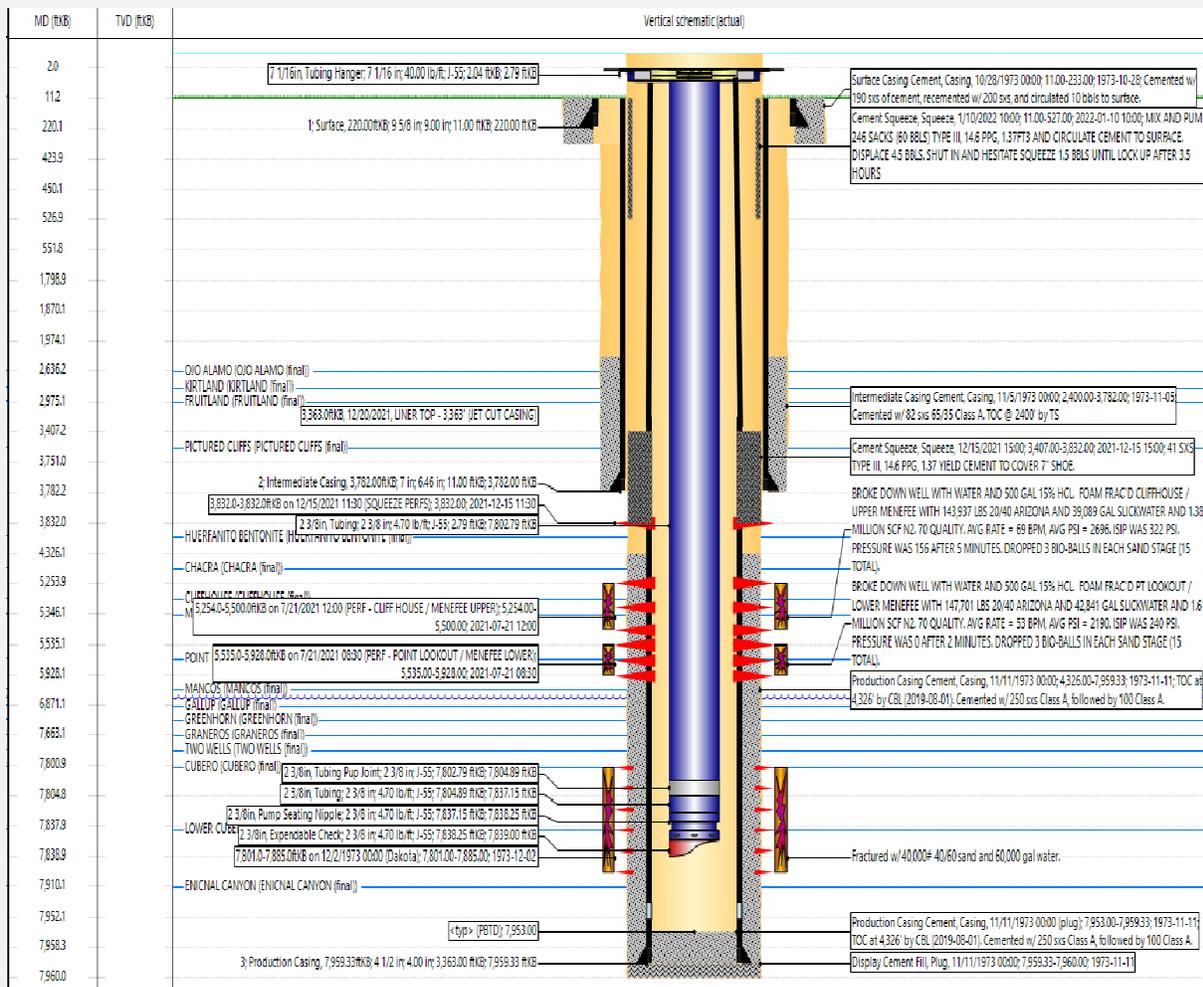
SAN JUAN 29-5 UNIT 68 - CURRENT WELLBORE SCHEMATIC





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