

Well Name: AXI APACHE O	Well Location: T25N / R4W / SEC 9 / NWNW / 36.418243 / -107.262969	County or Parish/State: RIO ARRIBA / NM
Well Number: 4	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: JICARILLA APACHE
Lease Number: JIC122	Unit or CA Name:	Unit or CA Number:
US Well Number: 3003920970	Well Status: Abandoned	Operator: HILCORP ENERGY COMPANY

Subsequent Report

Sundry ID: 2707123

Type of Submission: Subsequent Report

Date Sundry Submitted: 12/13/2022

Date Operation Actually Began: 11/28/2022

Type of Action: Plug and Abandonment

Time Sundry Submitted: 01:24

Actual Procedure: The following well has been P&A'd as of 12/5/2022. Please see the attached plugging operations.

SR Attachments

Actual Procedure

30039209700000_Axi_Apache_O_4_SR_Writeup_20221213132416.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: AMANDA WALKER
Signed on: DEC 13, 2022 01:24 PM
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 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: Accepted
Disposition Date: 12/16/2022
Signature: Kenneth Rennick

Axi Apache O 4
30-039-20970
JIC122
SR: P&A

11/28/2022: MIRU. CK WELL PRESSURES (SITP- 0 PSI. SICP- 0 PSI. SIBHP - 0 PSI). ND WH. NU BOP & PT, GOOD TST. TOOH W/TBG. RIH W/GAUGE RING DWN T/3350'. SDFN.

11/29/2022: CK WELL PRESSURES (SITP- 0 PSI. SICP- 0 PSI. SIBHP - 0 PSI). RIH & SET CIBP @ 3338'. TIH W/TBG & TAG TOP OF CIBP. ATTEMPT TO PT CSG, TST FAILED. RUN CBL F/3338' TO SURF. TIH W/TBG T/300' ABV CIBP. SDFN.

11/30/2022: CK WELL PRESSURES (SICP- 0 PSI. SIBHP - 0 PSI). EMAIL SENT TO MONICA KUEHLING/NMOCD AND KENNY RENNICK/BLM TO UPDATE THE PLUGGING PLAN AS FOLLOWS: Plug #1: Combine CIBP Coverage (3,338'), Fruitland (3,163') & Kirtland (3,052') 386' Inside plug from 2,952' - 3,338'. Good bond turns to fair/poor bond near top of interval. Plug #2: Ojo Alamo (2,648') Perf circ holes @ 2,698'. Set CICR @ 2,648'. 150' Inside/Outside plug from 2,548' - 2,698'. Fair bond in this region - may not be able to inject. Plug #3: Nacimiento (1,345') 150' Inside plug from 1,245' - 1,395'. Scattered good bond - cmt likely to be localized to perf depth if shot. Plug #4: Surface Shoe (217') Perf circ holes @ 267'. 267' Inside/Outside plug from surface to 267'. Some bond ~20' below proposed perf depth - should be able to circ to surface. RECEIVED MODIFICATION APPROVAL FROM MONICA KUEHLING/NMOCD, KENNY RENNICK/BLM AND ONSITE BLM REP CASEY ARNETT. PU TBG & TAG CIBP @ 3338' EST CIRC. MIX 10 SKS TYPE II/VCEMENT 1.29 FT3/SKS YIELD 15 PPG DENSITY, PUMP AND DISPLACE WITH 5.3 BBLS WATER, STOPPED PUMPING @ 09:45, BEGIN WOC. LD 14 JTS. RIH TAG TOC @ 2925'. ATTEMPT TO PT, TST FAIL. SDFN.

12/1/2022: CK WELL PRESSURES (SICP- 0 PSI. SIBHP - 0 PSI). RU E-LINE RIH W/PERF GUN. SHOOT PERFS @ 2698', RIH W/CICR SET @ 2648' STING INTO CICR. PU CICR STINGER & RIH STOP OF CICR FILL HOLE W/3 BBLS FLUID, STING INTO CICR. ATTEMPT TO EST INJECTION INTO PERFORATIONS, PRESSURE T/1000 PSI, STOP PMP, NO INJECTION. STING OUT OF RETAINER. MIX AND PUMP 5 SKS TYPE II/V CEMENT 1.29 FT3/SKS YIELD, 15.0 PPG DENSITY, DISPLACE WITH 4 BBLS WATER, BEGIN WOC. TIH & TAG @ 2588'. WITNESS & APPROVED BY ONSITE BLM REP CASEY ARNETT. ATTEMPT PT, TST FAIL. LD 20 JTS. SDFN.

12/2/2022: CK WELL PRESSURES (SICP- 0 PSI. SIBHP - 0 PSI). LD T/1397'. MIX 9 SKS TYPE II/V CEMENT 1.29 FT3/SKS YIELD, 15 PPG DENSITY, PUMP AND DISPLACE WITH 1.5 BBLS WATER, WITNESSED AND APPROVED BY ONSITE BLM REP BILL DIERS, FINISH PUMPING 08:45, BEGIN WOC TIME, PURPOSE PLUG NUMBER 3 ISOLATE THE NACIMIENTO FORMATION. WOC. RIH T/1397', NO TAG. MIX AND PUMP 20 SKS TYPE II/V CEMENT 1.29 FT3/SKS YIELD 15 PPG DENSITY, DISPLACE .5 BBLS H2O. LD 25 JTS. SDFN.

12/5/2022: CK WELL PRESSURES (SICP- 0 PSI. SIBHP - 0 PSI). TIH & TAG TOC @ 790'. WITNESSED BY BILL DIERS/ONSITE BLM REP. RIH PERF @ 267' 6 SPF. EST CIRC W/6 BBLS H2O. PMP DWN PRODUCTION CSG THROUGH PERFS. MIX AND PUMP 91 SKS TYPE II/V CEMENT WITH 1.29 FT3/SKS YIELD AND 15 PPG DENSITY, PURPOSE TO ISOLATE SURFACE. WOC. ND BOP. CUT OFF WH & INSTALL MARKER. MIX AND PUMP 22 SKS TYPE II/V IN TO CASING AND CELLAR. RDRR @ 16:00 HRS.



API / UW1 3003920970	Surface Legal Location 009-025N-004W-D	Field Name PC	Route 1406	State/Province NEW MEXICO	Well Configuration Type Vertical
Ground Elevation (ft) 6,958.00	Original KB/RT Elevation (ft) 6,969.00	KB-Ground Distance (ft) 11.00	KB-Casing Flange Distance (ft)	KB-Tubing Hanger Distance (ft)	

MD (ftKB)	TVD (ftKB)	Vertical schematic (actual)
11.2		Cement Plug, Plug - Balanced, 12/5/2022 09:15; 11.00-267.00; 2022-12-05 09:15
215.9		Surface Casing Cement, Casing, 8/7/1974 00:00; 11.00-220.00; 1974-08-07; Cmt'd w/200 sxs Class A. Circulated cmt to surf.
216.9		1; Surface, 217.00ftKB; 8 5/8 in; 8.10 in; 11.00 ftKB; 217.00 ftKB
220.1		
267.1		267.0-267.0ftKB on 12/5/2022 08:45 (SURFACE); 267.00; 2022-12-05 08:45
790.0		Cement Plug 3 (pumped x2), Plug, 12/2/2022 08:30; 790.00-1,395.00; 2022-12-02 08:30
1,220.1		
1,345.1	Nacimiento (Nacimiento (final))	Production Casing Cement, Casing, 8/11/1974 00:00; 1,220.00-1,535.00; 1974-08-11; CBL 11.29.2022 Scattered good bond - approval for inside plug due to unlikely circulation of cement.
1,395.0		
1,535.1		
2,587.9		Cement Plug 2, Plug - Balanced, 12/1/2022 11:30; 2,588.00-2,698.00; 2022-12-01 11:30;
2,648.0	Ojo Alamo (Ojo Alamo (final))	2,698.0-2,698.0ftKB on 12/1/2022 09:00 (SQUEEZE PERFS); 2,698.00; 2022-12-01 09:00
2,649.0	2.441 in, Cement Retainer, 2,648.0, 2,649.0; 2,648.00-2,649.00	Cement Plug 1, Plug, 11/30/2022 09:30; 2,925.00-3,338.00; 2022-11-30 09:30; ISOLATE THE KIRTLAND, FRUITLAND AND PICTURED CLIFFS SANDSTONE
2,698.2		
2,924.9		
3,049.9		
3,051.8	Kirtland (Kirtland (final))	Production Casing Cement, Casing, 8/11/1974 00:00; 3,050.00-3,100.00; 1974-08-11; CBL 11.29.2022 Scattered good bond - approval for inside plug due to unlikely circulation of cement.
3,100.1		
3,149.9		
3,163.1	Fruitland (Fruitland (final))	
3,200.1		
3,337.9		
3,338.9	2.441 in, Bridge Plug - Permanent, 3,338.0, 3,339.0; 3,338.00-3,339.00	Production Casing Cement, Casing, 8/11/1974 00:00; 3,150.00-3,568.00; 1974-08-11; Cmt'd w/65 sxs 50/50 POZ Class A. TOC @ 3150' as per notes of a Temp Survey. Can't locate survey.
3,383.9	Pictured Cliffs (Pictured Cliffs (final))	3,388.0-3,446.0ftKB on 9/10/1974 00:00 (PERF - PICTURED CLIFFS); 3,388.00-3,446.00; 1974-09-10
3,388.1		
3,445.9		Production Casing Cement, Casing, 8/11/1974 00:00 (plug); 3,548.00-3,568.00; 1974-08-11; Cmt'd w/65 sxs 50/50 POZ Class A. TOC @ 3150' as per notes of a Temp Survey. Can't locate survey.
3,547.9	Cement Plug (PBSD); 3,548.00	
3,562.0		
3,563.0		2; Production1, 3,563.00ftKB; 2 7/8 in; 2.44 in; 11.00 ftKB; 3,563.00 ftKB
3,567.9		

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 171542

CONDITIONS

Operator: HILCORP ENERGY COMPANY 1111 Travis Street Houston, TX 77002	OGRID: 372171
	Action Number: 171542
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	well plugged 12/5/22	1/4/2023