

U.S. Department of the Interior  
BUREAU OF LAND MANAGEMENT

Sundry Print Report  
07/01/2022

Well Name: NAVAJO TRIBE AR	Well Location: T26N / R18W / SEC 27 / NESE / 36.45732 / -108.73898	County or Parish/State: SAN JUAN / NM
Well Number: 4	Type of Well: OIL WELL	Allottee or Tribe Name: SHIPROCK
Lease Number: 142006038103	Unit or CA Name:	Unit or CA Number:
US Well Number: 300452137800S1	Well Status: Abandoned	Operator: NAVAJO NATION OIL & GAS COMPANY

### Subsequent Report

Sundry ID: 2680041

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 06/30/2022

Time Sundry Submitted: 01:13

Date Operation Actually Began: 06/24/2022

Actual Procedure: Please find attached the P&A Summary/WBD for the subject well.

### SR Attachments

#### Actual Procedure

Navajo\_Tribal\_AR4\_\_27\_P\_A\_Summary\_20220630131150.pdf

Well Name: NAVAJO TRIBE AR

Well Location: T26N / R18W / SEC 27 /  
NESE / 36.45732 / -108.73898County or Parish/State: SAN  
JUAN / NM

Well Number: 4

Type of Well: OIL WELL

Allottee or Tribe Name:  
SHIPROCK

Lease Number: 142006038103

Unit or CA Name:

Unit or CA Number:

US Well Number: 300452137800S1

Well Status: Abandoned

Operator: NAVAJO NATION OIL  
& GAS COMPANY**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: ARLEEN SMITH

Signed on: JUN 30, 2022 01:11 PM

Name: NAVAJO NATION OIL &amp; GAS COMPANY

Title: Regulatory Specialist

Street Address: 332 RD 3100

City: AZTEC

State: NM

Phone: (505) 327-4892

Email address: ARLEEN@WALSHENG.NET

**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: 06/30/2022

Signature: Kenneth Rennick

## NNOGC

## Navajo Tribal AR4 #27

Date Completed 6/24/2022

Plug #	Formation	Formation Top	Perfs	CICR/CIBP Depth	Cement Detail	Plug Depth	Plug Position
1	Barker Creek/Desert Creek/ Ismay	5907'	6228-6260'	6187	70 sxs Type III (95.9 cuft)	6187'-5801'	Inside
2	DeChelly	3671'	3721'	3671'	27 sxs Type III (36.9 cuft) below retainer	3721'-3481'	Inside
					29 sxs Type III (39.73 cuft) above retainer		Outside
3	Entrada	2018'	2068'	2033'	27 sxs Type III (36.9 cuft) below retainer	2068'-1843'	Inside
					29 sxs Type III (39.73 cuft) above retainer		Outside
4	Surface Shoe	1613'	1652'	1615'	27 sxs Type III (36.9 cuft) below retainer	1652'-1462'	Inside
					29 sxs Type III (39.73 cuft) above retainer		Outside
5	Surface	-	-	-	58 sxs Type III (79.5 cuft)	1003'-640'	Inside
6	Surface	-	638'		176 sxs Type III (241 cuft)	638' - Surface	Inside/Outside

**6/16/22** - SITP/SICP=0. BH-slight bubble. JHA with Crew. Function test BOP. MU 2-3/8x2-7/8 BxP, Bit Sub, Casing Scraper and 6" OD Junk Mill on joint of 2-3/8, 2-3/8 SN and TIH with Bit and scraper to 6254 ft. POH with bit and scraper. LD bit and scraper. RU TWG and RIH with CIBP via wireline. Set CIBP at 6187ft. POH with setting tool. TIH with 2-3/8' notched collar on 2-3/8" Tbg. Tagged CIBP at 6187'. Establish circulation w/220 bbls. POH with tbg establishing circulation every 60 joints. Attempt to pressure test casing to 600 psi for preliminary test. Slight leak off. Will retest in the morning. RIH with CBL Tool to CIBP at 6187'. Logged POH. Finished with CBL. RD wireline and secured the well for the evening. Crew off location at 18:30.

NNMinerals Inspector Val Uentillie on location to witness operation.

**6/17/22** - SICP/SITP=220 psi. BH=40 psi. JHA with Crew. Bled off pressure back to rig pit. Function test BOP. TIH with 2-3/8 TBG to 6187'. Pressure test casing to 640 psi. Lost 140 psi in 2 minutes. Did not pass. RU cementers to tubing. Mixed and pumped 70 sxs, 95.9 cuft, 17.1 bbls, 14.9#, 1.37 yield, Type III net cement from 6187' to 5726' TOC. Displaced with 21.8 bbls of water. LD tubing to 5519' and reverse circulate tbg clean with 30 bbls water, got back a little colored water. SD and stand back 5 stds (10jts). WOC f/4hrs. TIH and tagged TOC @ 5801', should've tagged at 5726'. Discuss with NNMinerals Inspector who called his office. 5801' was ok'd. (Ismay top @ 5907'). Laid down tubing to 3681'. Stood back remaining tubing in the derrick. RU WL and tih with guns to 3721' and fired guns. POH with perf guns. While wireline was pulling out with guns, water started flowing out of casing. WL got out with guns. Verified all shots fired. Secured the well for the weekend. Monday we will have a vacuum truck on location to vac out cellar while run CICR.

Crew off location at 19:00

NNMinerals Inspector Val Uentillie on location to witness operation.

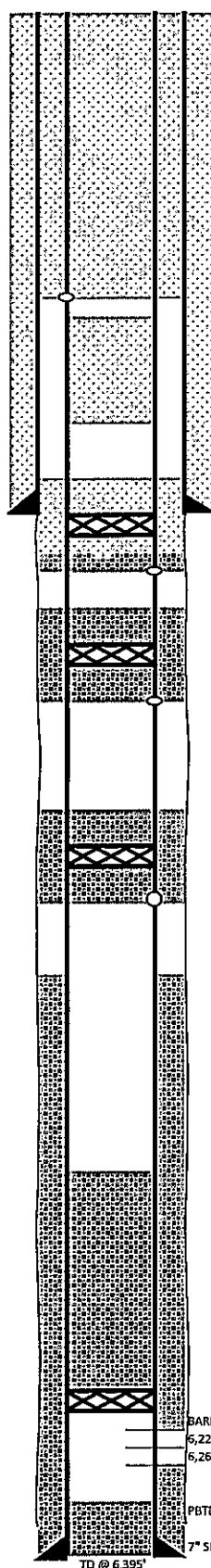
**6/21/22** - SICP=300psi/BH=120psi. JHA with crew. Bled casing and BH pressure to rig pit. Flowed back 160 bbls of water. RU TWG Services. RU 7" lubricator. Function test BOP. Closed casing valve and run CICR under 80 psi of pressure. Operator got to a depth of 3000' and noticed tagging tight spot, continued TIH with CICR. Set CICR at 3671' (casing collar at 3640 and 3682'). Bled casing pressure back to pit. Flow quit. Attempted casing pressure test to 620 psi. Lost 50 psi in 2 minutes. Test did not pass. TIH with stinger on 2-3/8" tubing. Spaced out stinger and tubing for floor connection. M&P 56 sks, (27 sks below and 29 sks on top of cicr) 76.7 cuft, 13.7 bbls, 14.6#/ft, Type III neat cement from 3721' - 3481' TOC. Got approximately 8 sks mixed and noticed flow coming out of casing valve. (Drilling Mud). Displaced with 13.2 bbls of water. POH laying down tbgs and 8 joints. POH with remaining tbgs (53stds, 106jts). WOC for 4 hours. TIH with tbgs and tagged TOC at 3324', should've been 3481'. POH laying down 44 joints and stand back 31 stands (62 jts). RU 7" lubricator and rih with perf guns to perforate at 2068'. Got perforated. POH with wireline, laid down perf guns. Verified all shots fired. RD wireline and established injection rate of 300 psi @ 1BPM. SD and pressure down to 100 psi. Secured the well for the evening. Crew off location at 19:00.

**6/22/22** - SICP=200psi/BH=100 psi. Bled off pressures to rig pit. JHA with crew. Function test BOP. TIH with 7" CICR to 2033' with 63 joints in. Set CICR at 2033', attempt pressure test on casing to 520 psi. Held. Released the pressure and sting into retainer. Pump 5 bbls spacer ahead of cement. M&P 27 sks below and 29 sks above cicr. 6.6 bbls, 37 cuft, 27 sks, 14.6# type III neat cement below retainer and stung out of cicr, pumped 7 bbls, 39.7 cuft, 29 sks, 14.6 # type III neat cement from 2068' to 1843'. TOC. POH with stinger. RU TWG Service and tih with perfs guns to 1652'. Shot 4 holes at 1652'. POH all shots fired. Closed blind rams and established rate of 150 psi, 1.5 BPM. RD WL. TIH with cicr and set at 1615'. Established a rate of 2.5 bpm at 1300 psi. M&P 27 sks below and 29 sks above cicr, 6.6 bbls, 37 cuft, 27 sks, 14.6# type III neat cement below cicr and stung out, pumped 7 bbls, 39.7 cuft, 29 sks, 14.6# type III neat cement from 1652' to 1462' TOC. LD tbgs to 1003' and POH with setting tool. LD setting tool and TIH to 1003' with 31 jts in. M&P 58 sks, 79.5 cuft, 14.2 bbls, 14.6# type III neat cement from 1003' to 628' TOC. While pumping cement it was noticed that the Bradenhead line was still flowing slightly. Called and conferred with engineering about the issue and decided to tag TOC in the morning. Perforate, POH with guns, ND BOP, install "B" Adapter head and circulate cement to surface. In the meantime we secured the well for the evening. Crew off location at 1700.

**6/23/22** - Bradenhead=180 psi. JHA with crew. Function test BOP. Open bradenhead to flow back to rig pit. TIH with notched collar and tubing to tag TOC. Tagged TOC at 622' with 19 joints plus 3' of joint #20. POH laying down tubing. RU TWG to perforate. TIH with perf guns. WL tagged TOC at 640' and shot 4 holes at 638'. POH with tools. Closed blind rams and est injection rate and circulation out bradenhead line. Got 2 bpm at 500 psi, good circulation to rig pit. SD and RD W/L and BOP. NU "B" adapter flange and ball valve. RU cementers to adapter flange. Pump 5 bbls water spacer down adapter flange, followed by 176 sks, 241 cuft, 43 bbls, 14.6#/gal, 1.37 yield type III neat cement till good cement returns out bradenhead. Circulated 1 bbl of cement back. SD. Shut casing and bradenhead in. Wash out pumps and lines. WOC 4/hrs. Opened 7" casing valve, zero pressure or flow. Opened bradenhead valve and small amount of cement blew out. Checked pressure and it is showing 20 psi. Informed NNMinerals Inspector Val Uentillie on location of the issue. He called the BLM office and discussed issue with Virgil Lucero. Secured the well for the rest of the day. Will check Bradenhead in the morning and hopefully be OK. BLM stated that we may have to drill out cement and attempt to squeeze off Bradenhead flow. Crew off location @15:30. Val Uentillie called back, and he talked with his Engineer w-NNMinerals and he mentioned to leave well shut in overnight and check for flow in the morning.

**6/24/22** - SICP=0/Bradenhead=0, Opened bradenhead, slight bubbling out of bradenhead. JHA with crew. NNMinerals inspector called this morning, stated that BLM Supervisor Virgil Lucero said bradenhead should be good. Ok'd continuation with wellhead cutoff and top off with cement. Called out welder to cutoff wellhead. Cutoff the wellhead from the casing strings. TOC in 7" is 12'. 7x9-5/8 is at surface. Welded dry hole marker to casing string and topped off casing and cellar with 8sks, 1.1 cuft, 2 bbls type III neat cement. RD and prep to move on Monday.

NNMinerals Inspector Val Uentillie on location to witness operation. Lat: 36.45732 Long: -108.73898



WELL:	NAVAJO TRIBE AR 4-27	COUNTY:	SAN JUAN	API #:	30-045-21378
FIELD:	TOCITO DOME	STATE:	NM	SPUD:	12/1/1973
FORMATION:	BARKER CREEK	LOCATION:	S27-T26N-R18W		
TD: 6,395'	PBTD: 6,312'	ELEVATION:	GL= 5,612'	KB= 5,624'	

PLUG #6 (Surface)  
Surface - 640'  
Circulate 176 Type III Neat (241 cf)

PLUG #5 (Surface)  
1003'-640'  
Inside: 58 sxs Type III Neat (79.5 cf)

Set CICR @ 1615'

PLUG #4 (Entrada)  
1652'-1462'  
Outside: 27 sxs Type III Neat (36.9 cf)  
Inside: 29 sxs Type III Neat (39.7 cf)

Set CICR @ 2033'

PLUG #3 (Entrada)  
2068' - 1843'  
Outside: 27 sxs Type III Neat (36.9 cf)  
Inside: 29 sxs Type III Neat (39.7 cf)

Set CICR @ 3671'

PLUG #2 (DeChelly)  
3721'-3481'  
Outside: 27 sxs Type III Neat (36.9 cf)  
Inside: 29 sxs Type III Neat (39.7 cf)

Calculated TOC = 4022'

Set CICR @ 6187'

PLUG #1 (BARKER CREEK / DESERT CREEK / ISMAY Group)  
6187' - 5801' 70 sxs Type III Neat (80.5 cf)

FORMATION TOPS		CAPACITIES	
DAKOTA	740'	TUBULAR CAPACITY	BSL/FT CU FT/FT
YODILTO	2,000'	TUBING	
ENTRADA	2,018'	CASING	
DECHERRY	3,671'	ANNULAR CAPACITY	
ORGAN ROCK	4,294'		
CUTLER	4,910'	TBG X CSG	
HONAKER TRAIL	5,426'	CSG X OH	
ISMAY	5,907'		
DESERT CREEK	6,018'		
AKAH	6,116'		
BARKER CREEK	6,201'		

TUBULAR PERFORMANCE					
MATERIAL	TENSILE (LBS)	BURST (PSIA)	COLLAPSE (PSIA)	ID (IN)	DRIFT (IN)
9-5/8" 40.0# S-95 LT&C					
7" 29.0/26.0# FLUSH JOINT					
2-7/8" 6.5# J-55 EUE	99,660	7,260	7,680	2.441	2.347

PREPARED BY J. WRIGHT 4/18/2022  
Updated: 6/30/2022 KTM

**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 149832

CONDITIONS

Operator: NNOGC EXPLORATION AND PRODUCTION, LLC P.O. Box 4439 Window Rock, AZ 86515	OGRID: 292875
	Action Number: 149832
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
mkuehling	bradenhead had bubble at surface before cutting off wellhead approved by tribal and blm to continue	11/4/2022
mkuehling	well plugged 6/24/22	11/4/2022