

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

Well Name: NATANI	Well Location: T21N / R6W / SEC 2 / SESE / 36.073861 / -107.43349	County or Parish/State: SANDOVAL / NM
Well Number: 14	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N00C14205756	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004320609	Operator: M & M PRODUCTION & OPERATION	

Subsequent Report

Sundry ID: 2820255

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/31/2024

Time Sundry Submitted: 01:53

Date Operation Actually Began: 09/24/2024

Actual Procedure: Work completed on September 26, 2024. See attached after work wellbore schematic with daily notes, and pictures of the marker. Aztec Well Servicing Co. completed the work as the contractor for New Mexico Oil Conservation Division. The Bureau of Land Management Farmington Field Office and the Federal Indian Minerals Office requested the work to be completed.

SR Attachments

Actual Procedure

SR_NATANI_14_3004320609_KR_10312024_20241031135147.pdf

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: 10/31/2024

Signature: Kenneth Rennick

End of Well Report
 Natani #14
 API: 30-043-20609
 02-21N-06W
 GL 6959'

SURF CSG:

Hole size: 12-1/4"
 Csg size: 8.625"
 Wt: 24#
 Grade
 ID: 8.097"
 Depth: 95'
 Cap cf/ft: 0.3576
 TOC: surface

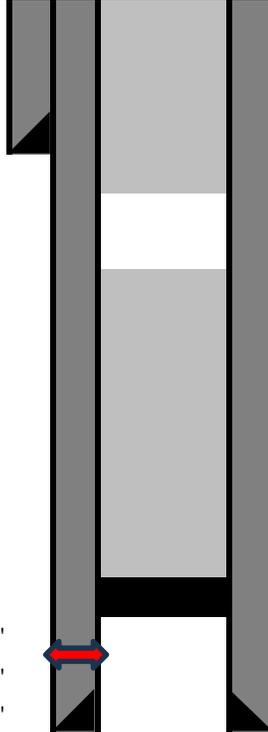
FORM TOPS:

Nacimiento Top: Surf
 Ojo Alamo Top: 680'
 Kirtland Top: 748'
 Fruitland Top: 828'
 Picture Cliffs Top: 1205'
 Chacra Top: 1588'
 Mesa Verde Top:
 Mancos Top:
 Gallup Top:
 Dakota Top:

PROD CSG:

Hole size: 7-7/8"
 Csg size: 4.5"
 Wt: 10.5
 Grade
 ID: 4.052
 Depth: 1934
 Cap cf/ft: 0.0896
 Csg/OH Ann:
 Csg/OH Ann, cf/ft: 0.2278
 TOC: surface

PERFS: 1613' - 1710'
 PBTD: 1865'
 TD: 1945'



09-25-24: Plug 3: 166' - surface, Mix & Pumped 30sx ttl F: 166' T: Surface, Circ. 2.0bbls good cmt to surf., WOC overnight.
09-26-24: Cut-off WH, TOC in csg at 0'; TOC in BH at 10'-4", Install DHM, Mix & Pumped 20sx ttl to fill casings and fill cellar. End of Well.

09-25-24: NO inj. rate blw CICR, Combined **Plug 1 & 2:** Chacra, PC, Fruit, Kirt, Ojo - Mix & Pumped 80sx ttl F: 1563' T: TOC 532', WOC, TIH & Tagged TOC at 611'.

09-24-24: Run CBL - F: 1563' T: Surface Set CICR at 1563', PT csg - NO test.

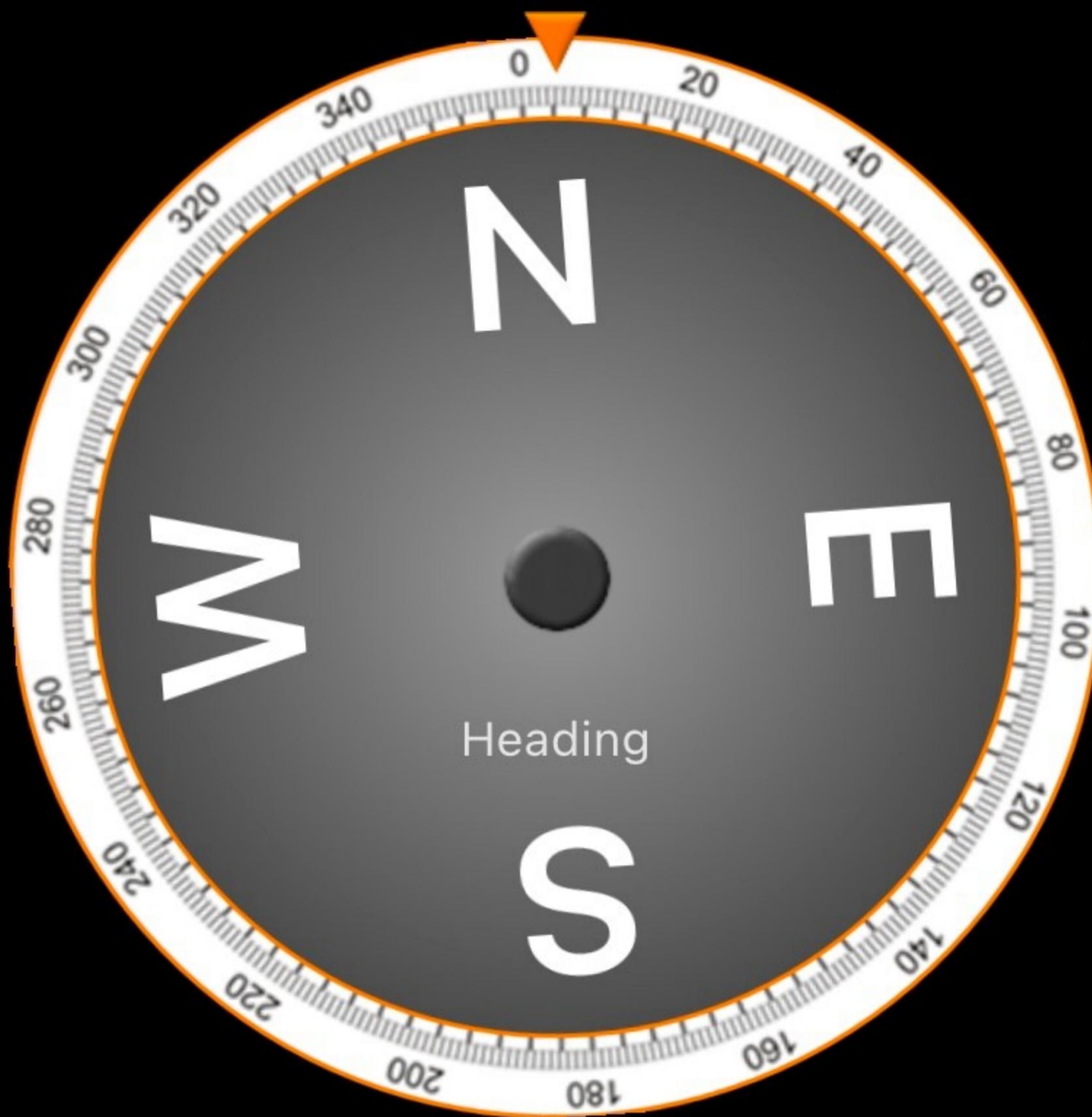
Plugging Information

Class G cmt used mixed @ 15.8 ppg, yield 1.15 cuft/sx
 Regulatory representative: T. Vermersch NMOCD - D. Halliburton BLM
 Marker GPS Coordinates: 36.07378, -107.43345

Course

Heading

4°



Heading



36.07378°N, 107.43345°W













AZTEC WELL SERVICING CO.

CEMENT JOB DETAIL SHEET

CUSTOMER: NEW MEXICO OCD	DATE: September 25, 2024	API Number: 30-043-20609	TYPE OF JOB: P & A
LEASE & WELL NAME: NATANI #14	LOCATION: Sec.02,T21N,R06W	SERVICE SUP: DEAN MESTAS	
SERVICE CONTRACTOR: 748/CT2	OPERATOR: AZTEC WELL SERVICE	COUNTY: SANDOVAL	STATE: NEW MEXICO

MATERIALS FURNISHED:	TYPE OF PLUGS:		LIST CSG. HARDWARE:	SQUEEZE MANIFOLD:	TOP OF EACH FLUID:	PHYSICAL SLURRY PROPERTIES:					
	TOP	BOTTOM				SLURRY WEIGHT: Lb/gal	SLURRY YIELD: Cuft/sk	WATER REQ.: Gals/sk	PUMP TIME: hr:mm	SLURRY: bbls	MIX WATER: bbls
	PRE-FLUSH - FRESH WATER										
Plug 1: Pumped 16.4bbls cement slurry ((80sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))					532'	15.80	1.15	5.00		16.4	9.5
Plug 2: Pumped 5.7bbls cement slurry ((27.5sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))					Surface	15.80	1.15	5.00		5.7	3.3
Plug 2: Pumped 0.5bbls cement slurry ((2.5sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) top off casing after tubing was LD					Surface	15.80	1.15	5.00		0.5	0.3

AVAILABLE MIX WATER: 380.0 BBLs	AVAILABLE DISPLACEMENT WATER: 360.0 BBLs	TOTAL MIX WATER: 13.1
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HOLE				TBG.-CSG.-D.P.				TBG.-CSG.-D.P.				COLLAR DEPTHS		
SIZE	% EXCESS	DEPTH		SIZE	WEIGHT	TYPE	DEPTH	SIZE	WEIGHT	TYPE	DEPTH	SHOE	FLOAT	STAGE
12	100%	95'	8 5/8	24.00	K-55	95'	2 3/8	4.70	J-55	1563'		-	-	-

LAST CASING				PKR-CMT RET-BR PL-LINER				PERF DEPTHS		TOP CONNECTION		WELLBORE FLUID	
SIZE	WEIGHT	TYPE	DEPTH	BRAND & TYPE	DEPTH	TOP	BOTTOM	SIZE	THREAD	TYPE	WEIGHT	PRODUCED WATER	
4 1/2	10.50	K-55	1945'	SOT	1563'	1613'	1710'	2 3/8	8 ROUND			8.40	

CALCULATED DISPLACEMENT VOLUME; BBL				CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG. PSI	MAX CASING PSI	DISPLACEMENT FLUID		WATER		
TUBING	CASING	CASING	TOTAL	BUMP PLUG	TO REVERSE	SO. PSI	RATED	OPER	RATED	OPER	TYPE	WEIGHT	SOURCE
						500		650		300	FRESH WATER	8.33	CITY WATER

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CASING, ETC., PRIOR TO CEMENTING: TIH, sting into retainer, NO INJ RATE, TOO H & LD stinger, TIH open ended, Pumped 80sx, Displ. w/ 2.1bbls, SD - WOC, TOO H w/ tbg, TIH, Tag TOC at 611', TOO H to 166', Pumped 30sx tti, LD tbg, RD Rig floor, NDBOP, NUWH, SD-WOC overnight.

PUMP DETAILS:						DAILY SUMMARY:					
TIME	PRESSURE - PSI		RATE	BBL FLUID	FLUID	SAFETY MEETING:		CREW		CO. REP.	
HR: MIN:	PIPE	ANNULUS	BPM:	PUMPED:	TYPE:	TEST LINES:	PSI	CIRCULATED THE WELL:	RIG PUMP	CMT PUMP	
5:00	-	-	-	-	-			Travel to location			
7:00	-	-	-	-	-			Pre-Start Inspection, Service & Start equipment			
7:10	0	0/0	-	-	-			Check PSI on Well: Tbg = 0psi; Csg = 0psi; BH = 0psi.			
7:15	-	-	-	-	-			TIH w/ Stinger and tubing to retainer depth			
-	1,000	0	1.50	3.50	H2O			Pumped 3.5bbls water while STINGING INTO retainer to ensure clear path below retainer			
-	-	-	-	-	-			SD...tubing pressured out to 1000psi, STING OUT to release pressure...STING INTO retainer			
-	1,000	0	0.50	0.50	H2O			Pumped 0.5bbl water to establish injection rate again			
-	-	-	-	-	-			SD...tubing pressured out to 1000psi, STING OUT release pressure...notified office			
-	-	-	-	-	-			TOOH w/ tubing and LD setting tool			
-	-	-	-	-	-			TIH w/ notched collar and tubing to 1563'...prepare for cement			
9:10	150	0	1.50	1.00	H2O			Pumped 1.0bbl water ahead			
9:19	100	0	1.50	16.40	CEMENT			Pumped 16.4bbls cement slurry ((80sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) - combined plug 1 and plug 2...BLM & NMOCD approve			
9:32	100	0	1.50	2.10	H2O			Pumped 2.1bbls water for displacement...Est. TOC at 532'			
9:36	-	-	-	-	-			SD...WOC 4hrs			
-	-	-	-	-	-			TIH w/ tag sub and tubing to tag...Tagged TOC at 611'...witnessed by BLM and NMOCD			
-	-	-	-	-	-			TOOH w/ tubing to 166'...prepare for cement			
14:26	50	0	1.50	1.50	H2O			Pumped 1.5bbls water ahead			
14:30	50	0	1.50	5.70	CEMENT			Pumped 5.7bbls cement slurry ((27.5sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) circulated 2.0bbls good cement to pit			
14:35	50	-	-	-	-			SD...WOC 4hrs			
-	-	-	-	-	-			TOOH and LD remaining 5 joints of tubing			
-	25	0	0.50	0.50	CEMENT			Pumped 0.5bbls cement slurry ((2.5sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) top off casing after tubing was LD			
-	-	-	-	-	-			Rig down all handling equipment and rig down rig floor, NDBOP, NUWH and install valve...shut in the well			
-	-	-	-	-	-			SD...resume WOC overnight			
15:30	-	-	-	-	-			Travel to AWS yard			

OPERATIONS WITNESSED BY: NMOCD REP.: THOMAS VERMERSCH...BLM REP.: DARIN HALLIBURTON

BUMPED PLUG:	PSI TO BUMP PLUG:	TEST FLOAT EQUIPMENT:	TOTAL BBL PUMPED:	BBL CMT. RETURNS/ REVERSED:	PSI LEFT ON CSG.:	SPOT TOP CEMENT:	AZTEC WELL SERVICING CO REP.:	DEAN MESTAS
			31.2	2.0	0	532'/Surface	CUSTOMER REP. SIGNATURE:	THOMAS VERMERSCH
							CUSTOMER AUTHORIZING AGENT	



AZTEC WELL SERVICING CO.

CEMENT JOB DETAIL SHEET

CUSTOMER: **NEW MEXICO OCD** DATE: **September 26, 2024** API Number: **30-043-20609** TYPE OF JOB: **P & A**
 LEASE & WELL NAME: **NATANI #14** LOCATION: **Sec.02,T21N,R06W** SERVICE SUP: **DEAN MESTAS**
 SERVICE CONTRACTOR: **748/CT2** OPERATOR: **AZTEC WELL SERVICE** COUNTY: **SANDOVAL** STATE: **NEW MEXICO**

MATERIALS FURNISHED:	TYPE OF PLUGS:		LIST CSG. HARDWARE:	SQUEEZE MANIFOLD:	TOP OF EACH FLUID:	PHYSICAL SLURRY PROPERTIES:					
	TOP	BOTTOM				SLURRY WEIGHT: Lb/gal	SLURRY YIELD: Cuft/sk	WATER REQ.: Gals/sk	PUMP TIME: hr:mm	SLURRY: bbls	MIX WATER: bbls

PRE-FLUSH - FRESH WATER

Top off & Cellar: Pumped 4.1bbls cement slurry ((20sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))	Surface	15.80	1.15	5.00		4.1	2.4
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AVAILABLE MIX WATER: 380.0 BBLs	AVAILABLE DISPLACEMENT WATER: 360.0 BBLs	TOTAL MIX WATER: 2.4													
HOLE				TBG.-CSG.-D.P.				TBG.-CSG.-D.P.				COLLAR DEPTHS			
SIZE	% EXCESS	DEPTH	SIZE	WEIGHT	TYPE	DEPTH	SIZE	WEIGHT	TYPE	DEPTH	SHOE	FLOAT	STAGE		
12	100%	95'	8 5/8	24.00	K-55	95'					-	-	-		
LAST CASING				PKR-CMT RET-BR PL-LINER				PERF DEPTHS				TOP CONNECTION		WELLBORE FLUID	
SIZE	WEIGHT	TYPE	DEPTH	BRAND & TYPE		DEPTH	TOP	BOTTOM	SIZE	THREAD	TYPE		WEIGHT		
4 1/2	10.50	K-55	1945'				1613'	1710'			PRODUCED WATER		8.40		
CALCULATED DISPLACEMENT VOLUME; BBL				CAL. PSI	CAL. MAX PSI	OP. MAX	MAX TBG. PSI		MAX CASING PSI		DISPLACEMENT FLUID		WATER		
TUBING	CASING	CASING	TOTAL	BUMP PLUG	TO REVERSE	SQ. PSI	RATED	OPER	RATED	OPER	TYPE	WEIGHT	SOURCE		
						350		500		650		300	FRESH WATER	8.33	CITY WATER

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CASING, ETC., PRIOR TO CEMENTING: Cutoff wellhead, install dryhole marker, top off casings and fill cellar with 20sx, end of well.

PUMP DETAILS:						DAILY SUMMARY:					
TIME	PRESSURE - PSI		RATE	BBL FLUID	FLUID	SAFETY MEETING:		CREW		CO. REP.	
HR: MIN:	PIPE	ANNULUS	BPM:	PUMPED:	TYPE:	TEST LINES:		RIG PUMP		CMT PUMP	
						CIRCULATED THE WELL:					
5:00	-	-	-	-	-	Travel to location					
6:50	-	-	-	-	-	Pre-Start Inspection, Service & Start equipment					
7:00	-	0/0	-	-	-	Check PSI on Well: Csg = 0psi; BH = 0psi.					
7:45	-	-	-	-	-	MIRU welder					
-	-	-	-	-	-	Cutoff wellhead...tagged cement inside casing at 0'; tagged cement inside braidenhead at 10'-4"...no fluid...prepare to install marker					
-	-	-	-	-	-	Welded and installed dryhole marker...witnessed and approved by BLM and NMOCD onsite reps.					
-	25	0	0.50	4.10	CEMENT	Pumped 4.1bbls cement slurry ((20sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) to top off casings and fill in cellar					
-	-	-	-	-	-	SD...good cement at surface...witnessed by both BLM and NMOCD onsite reps.					
10:00	-	-	-	-	-	Rig down all equipment and clean location...wash equipment					
						END OF WELL...Move to the NATANI #17					

OPERATIONS WITNESSED BY: NMOCD REP.: THOMAS VERMERSCH...BLM REP.: DARIN HALLIBURTON

BUMPED PLUG:	PSI TO BUMP PLUG:	TEST FLOAT EQUIPMENT:	TOTAL BBL PUMPED:	BBL CMT. RETURNS/ REVERSED:	PSI LEFT ON CSG.:	SPOT TOP CEMENT:	AZTEC WELL SERVICING CO REP.:	DEAN MESTAS
			4.1	0.0	0	Surface	CUSTOMER REP.:	THOMAS VERMERSCH
							CUSTOMER REP. SIGNATURE:	

CUSTOMER AUTHORIZING AGENT

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 399627

CONDITIONS

Operator: AZTEC WELL SERVICING CO 300 Legion Road Aztec, NM 87410	OGRID: 191362
	Action Number: 399627
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

Created By	Condition	Condition Date
loren.diede	None	11/5/2024