

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

Well Name: NATANI	Well Location: T21N / R6W / SEC 4 / NENE / 36.084586 / -107.469167	County or Parish/State: SANDOVAL / NM
Well Number: 18	Type of Well: CONVENTIONAL GAS WELL	Allottee or Tribe Name: EASTERN NAVAJO
Lease Number: N00C14205758	Unit or CA Name:	Unit or CA Number:
US Well Number: 3004320795	Operator: M & M PRODUCTION & OPERATION	

Subsequent Report

Sundry ID: 2820262

Type of Submission: Subsequent Report

Type of Action: Plug and Abandonment

Date Sundry Submitted: 10/31/2024

Time Sundry Submitted: 01:57

Date Operation Actually Began: 10/02/2024

Actual Procedure: Work completed on October 2, 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_18_3004320795_KR_10312024_20241031135723.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 #18

API: 30-043-20795

04-21N-06W

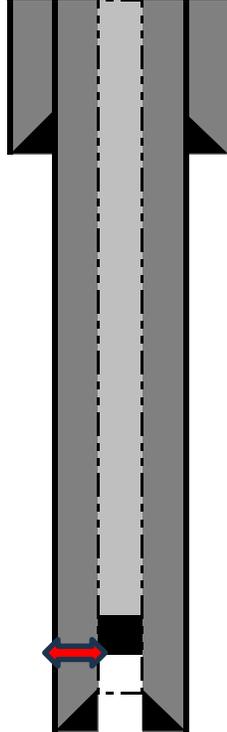
GL 6910'

SURF CSG:

Hole size: 9"
 Csg size: 7"
 Wt: 23#
 Grade
 ID: 6.366"
 Depth: 99'
 Cap cf/ft: 0.221
 TOC: surface

FORM TOPS:

Nacimiento Top: surface
 Ojo Alamo Top: 675'
 Kirtland Top: 728'
 Fruitland Top: 857'
 Picture Cliffs Top: 1146'
 Chacra Top: 1525'
 Mesa Verde Top:
 Mancos Top:
 Gallup Top:
 Dakota Top:



10-02-24: Run CBL - F: 1496' T: Surface
 Set CIBP at 1496', TIH & tag CIBP at 1496',
Plug 1: Chacra, PC, Fruit, Kirt, Ojo - Mix &
 Pump 60sx ttl F: 1496' T: Surface, WOC, Cut-
 off WH, TOC in csg at 0'; TOC in BH at 9'4",
 Install DHM, Mix & Pump 20sx ttl to top off
 casings and fill cellar. End of Well.

PROD CSG:

Hole size: 6.5"
 Csg size: 2-7/8"
 Wt: 6.5#
 Grade
 ID: 2.441"
 Depth: 1787'
 Cap cf/ft: 0.0325
 Csg/OH Ann:
 Csg/OH Ann, cf/ft:
 TOC: surface

PERFS: 1546' - 1654'
 PBDT: 1747'
 TD: 1800'

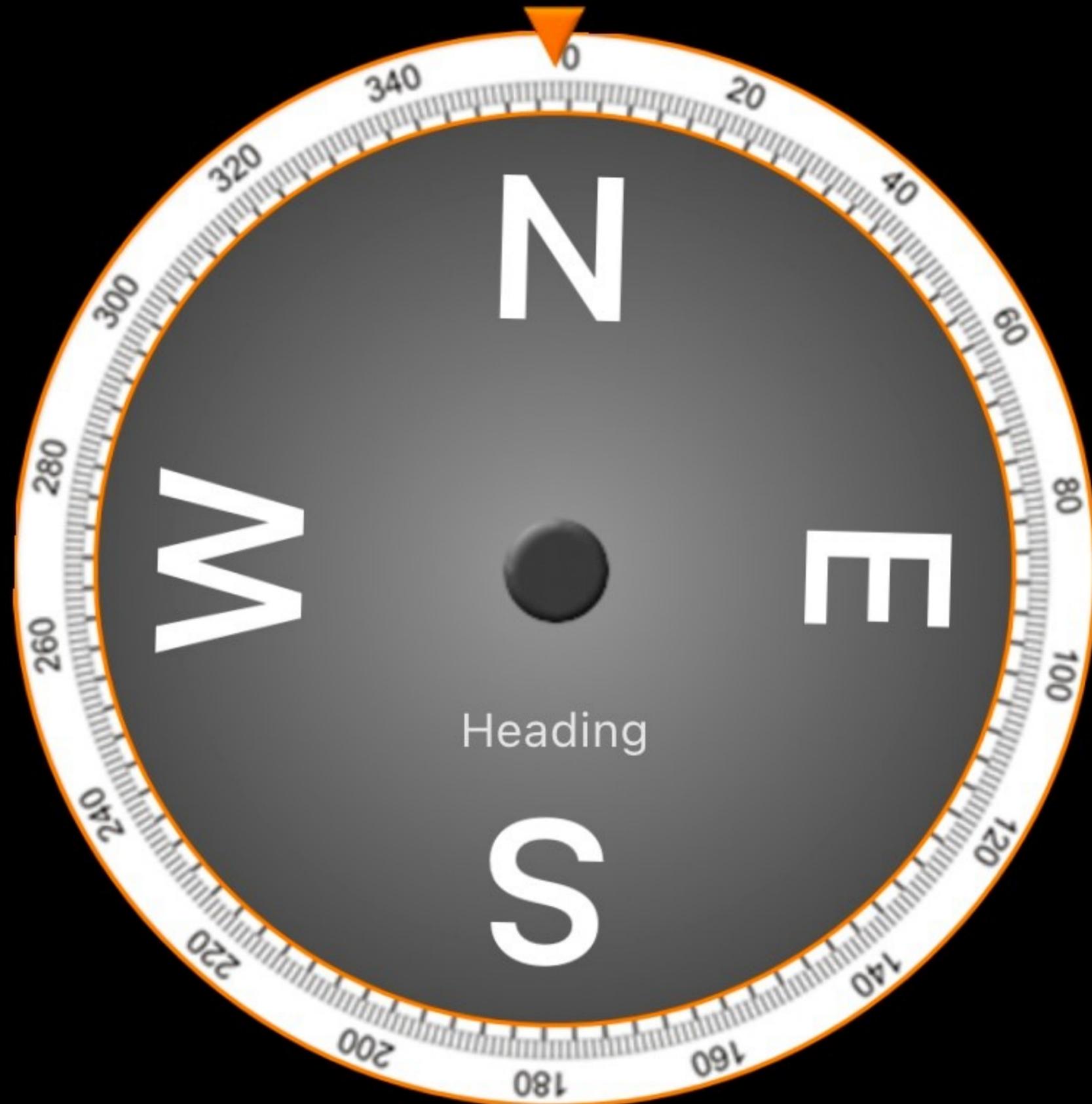
Plugging Information

Class G cmt used mixed @ 15.8 ppg, yield 1.15 cuft/sx
 Regulatory representative: C. Smith NMOCD - C. Yazzie BLM
 Marker GPS Coordinates: 36.08466, -107.46901

Course

Heading

360°



36.08466°N, 107.46901°W













AZTEC WELL SERVICING CO.

CEMENT JOB DETAIL SHEET

CUSTOMER: NEW MEXICO OCD	DATE: October 2, 2024	API Number: 30-043-20795	TYPE OF JOB: P & A
LEASE & WELL NAME: NATANI #18	LOCATION: Sec.04,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 10.9bbls cement slurry ((53sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))					Surface	15.80	1.15	5.00		10.9	6.3
Plug 1: Pumped 1.4bbls cement slurry ((7sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) top off casing after tubing was LD						15.80	1.15	5.00		1.4	0.8
Top off & Fill Cellar: Pumped 4.1bbl cement slurry ((20sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk))						15.80	1.15	5.00		4.1	2.4

AVAILABLE MIX WATER: 210.0 BBLs	AVAILABLE DISPLACEMENT WATER: 200.0 BBLs	TOTAL MIX WATER: 9.5													
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%	99'	7	23.00	K-55	99'					-	-	-		
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			
2 7/8	6.50	K-55	1787'			1546'	1654'	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		140	FRESH WATER	8.33	CITY WATER		

EXPLANATION: TROUBLE SETTING TOOL, RUNNING CASING, ETC., PRIOR TO CEMENTING: MIRU WL, Run gauge ring, Run CIBP, Run CBL, TIH w/ workstrng, Pumped 60sx, TOOH & LD tbg, Cutoff wellhead, Install dryhole marker top off & 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:	PSI						
						CIRCULATED THE WELL:	RIG PUMP	CMT PUMP					
5:00	-	-	-	-	-						Travel to location		
6:45	-	-	-	-	-						Pre-Start Inspection, Service & Start equipment		
6:50	-	0/0	-	-	-						Check PSI on Well: Csg = 250psi; BH = 0psi...blowdown casing to pit, just venting no foam		
7:00	-	-	-	-	-						MIRU wireline services		
7:10	-	-	-	-	H2O						Pumped 9.0bbls water down casing to kill the well		
7:18	-	-	-	-	-						RIH w/ 2.6" gauge ring and wireline past plug setting depth of 1520'...had 1 obstruction at 1410'...worked free, all clear		
-	-	-	-	-	-						ROOH w/ wireline & LD gauge ring		
-	-	-	-	-	-						RIH w/ CIBP and wireline to plug setting depth of 1496'...initiated setting tool successfully...plug set successfully		
-	-	-	-	-	-						ROOH w/ wireline and LD setting tool		
-	-	-	-	-	-						RIH w/ CBL tools and wireline to 1496'		
-	-	-	-	-	-						ROOH w/ wireline and tools to Perform CBL from 1496' to surface...laydown CBL tools		
10:45	-	-	-	-	-						Tally and TIH w/ 1-1/4" tubing to 1496' tagged plug to verify...prepare for cement		
12:14	350	0	1.50	2.50	H2O						Pumped 2.5bbl water ahead to load casing and clear tubing		
12:20	300	0	1.50	10.90	CEMENT						Pumped 10.9bbls cement slurry ((53sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) circulated 1.0bbl good cement to pit		
12:33	-	-	-	-	H2O						SD...WOC		
-	-	-	-	-	-						TOOH and LD all tubing		
-	50	0	1.50	1.40	CEMENT						Pumped 1.4bbls cement slurry ((7sx; 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		
-	-	-	-	-	-						MIRU welder		
-	-	-	-	-	-						Cutoff wellhead...cement at surface on casing. Cement at 9'-4" on the BH...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 4.1bbl cement slurry ((20sx; 15.8ppg, 1.15cuft/ft, 5.0gals/sk)) to top off and fill in cellar		
-	-	-	-	-	-						Rig down all equipment and clean location...wash equipment		
16:45	-	-	-	-	-						SD.sevue equipment and location		
17:00	-	-	-	-	-						Travel to AWS yard		
											END OF WELL...Move to the NATANI #32 in the morning		
OPERATIONS WITNESSED BY: NMOCD REP.: CLARENCE SMITH ...BLM REP.: CLAY YAZZIE													

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
			18.9	1.0	0	Surface	CUSTOMER REP.:	CLARENCE SMITH
							CUSTOMER REP. SIGNATURE:	
								CUSTOMER AUTHORIZING AGENT

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 1625 N. French Dr., Hobbs, NM 88240
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District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720

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 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 399615

CONDITIONS

Operator: AZTEC WELL SERVICING CO 300 Legion Road Aztec, NM 87410	OGRID: 191362
	Action Number: 399615
	Action Type: [C-103] Sub. Plugging (C-103P)

CONDITIONS

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