

Well Name: BETONNIE TSOSIE WASH UNIT	Well Location: T23N / R8W / SEC 35 / NENE / 36.18884 / -107.64483	County or Parish/State: SAN JUAN / NM
Well Number: 213H	Type of Well: OIL WELL	Allottee or Tribe Name: NAVAJO NATION
Lease Number: NOG14021887	Unit or CA Name:	Unit or CA Number: NMNM135219A
US Well Number: 3004538236	Well Status: Drilling Well	Operator: DJR OPERATING LLC

Notice of Intent

Sundry ID: 2668374

Type of Submission: Notice of Intent	Type of Action: APD Change
Date Sundry Submitted: 04/25/2022	Time Sundry Submitted: 08:26
Date proposed operation will begin: 04/21/2022	

Procedure Description: In order to reduce risk of offset wellbore communication during drilling operations. On 04/21/22 DJR requested and received verbal approval to change the 7" casing/cement design on the subject well. The proposed new 7" casing point is now estimated at 5292' MD / 4970' TVD. This change will also alter the 4.5" liner. The new liner top is now estimated at 5142' MD / 4864' TVD. Revised WBD, cement slurries and email approvals are attached.

NOI Attachments

Procedure Description

213H_BTWU_Intermediate_Liner_Email_20220425082606.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: SHAW-MARIE FORD	Signed on: APR 25, 2022 08:26 AM
Name: DJR OPERATING LLC	
Title: Regulatory Specialist	
Street Address: 1 Road 3263	
City: Aztec	State: NM
Phone: (505) 632-3476	
Email address: sford@djrlc.com	

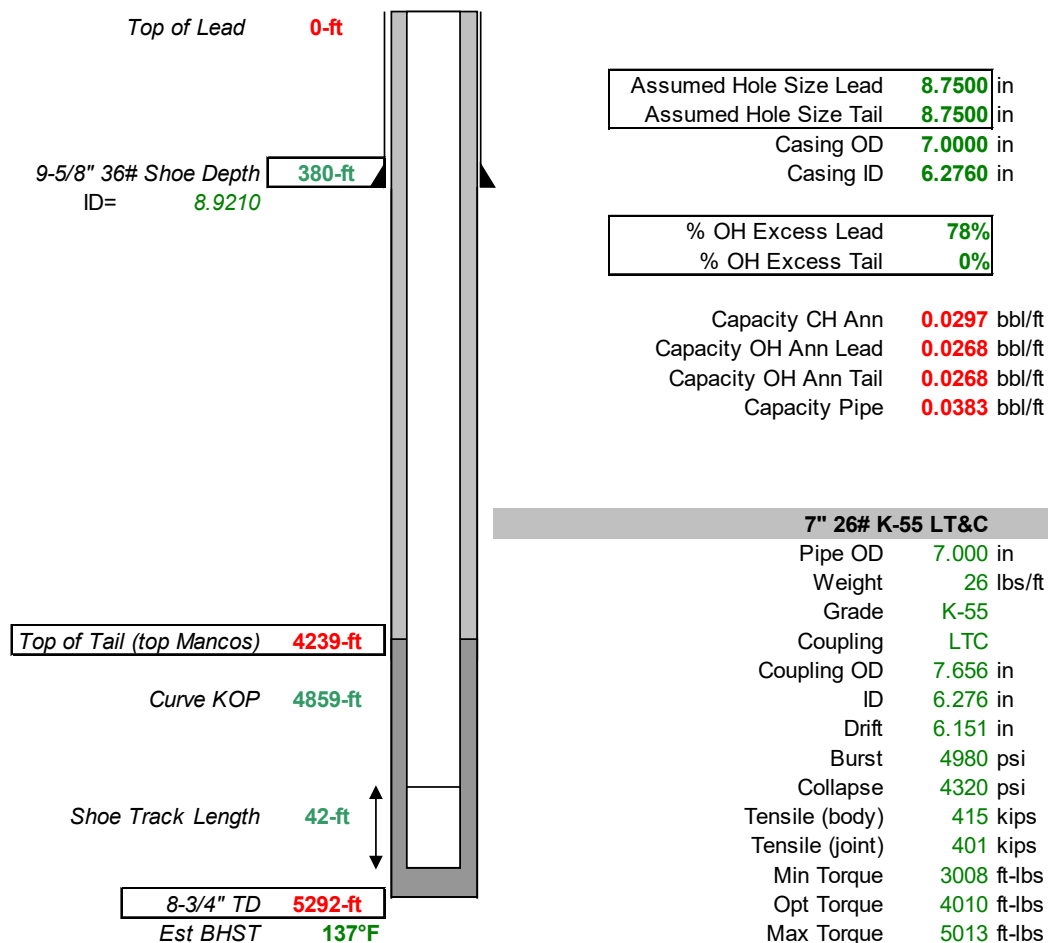
Field

Representative Name:		
Street Address:		
City:	State:	Zip:
Phone:		
Email address:		

BLM Point of Contact

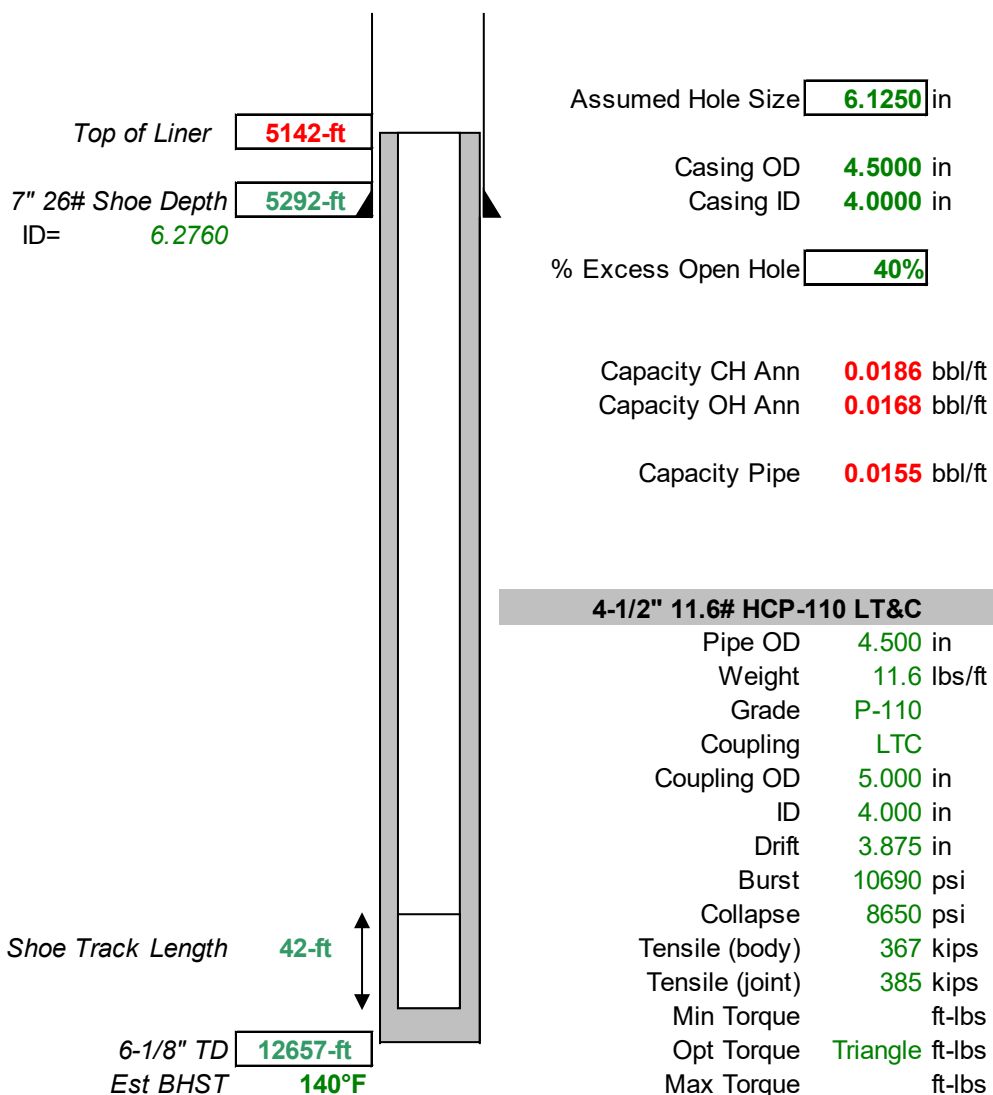
BLM POC Name: KENNETH G RENNICK	BLM POC Title: Petroleum Engineer
BLM POC Phone: 5055647742	BLM POC Email Address: krennick@blm.gov
Disposition: Approved	Disposition Date: 05/05/2022
Signature: Kenneth Rennick	

7" Intermediate Casing & Cementing Bettonie Tsosie Wash Unit #213H



Lead Slurry - American Cementing		Properties
ASTM Type I/II		Density 12.30 ppg
KCI 3% BWOW		Yield 2.32 cf/sk
GW-86 0.1% BWOB		Water required 13.22 gal/sk
FL-66 0.2% BWOB		Thickening Time 5:02 hr:min
R-3 0.3% BWOB		Time to 50 psi (95°F) 5:26 hr:min
FP-24 0.3% BWOB		12-hr UCA (95°F) 468 psi
POLI 0.25 lb/sx		24-hr UCA (95°F) 829 psi
BA-90 5.0 lb/sx		
Tail Slurry - American Cementing		Properties
G+Pozz 50:50		Density 13.50 ppg
FL-66 0.4% BWOB		Yield 1.51 cf/sk
FP-24 0.3% BWOB		Water required 7.13 gal/sk
A-2 0.5% BWOB		Thickening Time 4:02 hr:min
A-10 3% BWOB		Time to 50 psi (130°F) 3:25 hr:min
BA-90 3 lb/sx		Time to 500 psi (130°F) 7:05 hr:min
POLI 0.25 lb/sx		24-hr UCA (130°F) 2162 psi
Volumes		
Lead Volume	195 bbls	472 sx
Tail Volume	30 bbls	111 sx
Approx Displacement	201 bbls	
Total Volume	426 bbls	

4-1/2" Liner Cementing Bettonie Tsosie Wash Unit #213H



Slurry - American Cementing		Properties	
G+Pozz	50:50	Density	13.3 ppg
GW-86	0.1% BWOB	Yield	1.52 cf/sk
R-3	0.3% BWOB	Total Mix Fluid	7.53 gal/sk
FP-24	0.3% BWOB	Thickening Time	6:39 hr:min
FL-24	0.4% BWOB	Time to 50 psi (130°F)	6:34 hr:min
Gel	4% BWOB	24-hr UCA (130°F)	546 psi
		72-hr UCA (130°F)	2038 psi
Volumes			
Lead Volume	176 bbls	652 sx	
Approx Displacement	137 bbls		
Total Volume	313 bbls		

From: [Rennick, Kenneth G](#)
To: [Shaw Ford](#)
Subject: Re: [EXTERNAL] BTWU 213H Casing/Liner Question > Respectfully Requesting Verbal Approval
Date: Thursday, April 21, 2022 1:11:42 PM
Attachments: [image002.png](#)
[image003.png](#)

Hello Shaw,

I have no issues with the proposal. Verbal approval is provided.

Please do submit the sundry as soon as possible. And include this email conversation with the sundry.

Kenny Rennick

Kenneth (Kenny) Rennick

Petroleum Engineer

Bureau of Land Management
Farmington Field Office
6251 College Blvd
Farmington, NM 87402

Email: krennick@blm.gov
Mobile & Text: 505.497.0019

From: Shaw Ford <sford@djrlc.com>
Sent: Thursday, April 21, 2022 12:35 PM
To: Rennick, Kenneth G <krennick@blm.gov>
Subject: [EXTERNAL] BTWU 213H Casing/Liner Question > Respectfully Requesting Verbal Approval

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Good afternoon Kenny,

H&P 443 is currently rigging up on the Betonnie Tsosie Wash Unit 213H (API: 30-045-38236)
Completions is fracing on DJRs offset well pad, the Betonnie Tsosie Wash Unit 506H, 507H, 508H, &

509H.

For safety, in case the 213H experiences wellbore communication from the offset frac while drilling the 8.75" hole, DJR respectfully requests your verbal approval to set the 7" intermediate casing just above the Gallup C instead of into the Gallup C.

The proposed new 7" casing point is estimated at **5292' MD / 4970' TVD**. This change will also alter the 4.5" liner plans. DJR respectfully requests your verbal approval for the top of the liner to be at **5142' MD / 4864' TVD**.

Revised WBD with cement slurries are attached. May we have your verbal approval for these changes? I will of course follow-up & provide these details in my sundry submittal.

Thank you

Current Formation tops and Casing Program

Name	MD (ft)	TVD (ft)	Lithology	Pore fluid	Expected Pore Pressure (ppg)	Planned Mud Weight (ppg)
Ojo Alamo	823	821	Sd	W	8.3	8.4 – 8.8
Kirtland	956	953	Sh	-	8.3	8.4 – 8.8
Fruitland	1239	1227	C	G	8.3	9.0 - 9.5
Pictured Cliffs	1529	1500	Sd	W	8.3	9.0 - 9.5
Lewis	1687	1648	Sh	-		9.0 - 9.5
Chacra	2276	2197	Sd	-	8.3	9.0 - 9.5
Menefee	3071	2939	Sd, C	G	8.3	9.0 - 9.5
Point Lookout	4067	3869	Sd	-	8.3	9.0 - 9.5
Mancos	4234	4025	Sh	-		9.0 - 9.5
Mancos Silt	4531	4302	Slt	O/G	6.6	9.0 - 9.5
Gallup A	5085	4805	Slt	O/G	6.6	9.0 - 9.5
Gallup B	5153	4858	Sd	O/G	6.6	8.8 - 9.0
Gallup C	5311	4964	Sd	O/G	6.6	8.8 - 9.0
Target	5742	5098	Sd	O/G	6.6	8.8 - 9.0

Casing Program

Casing OD	Hole Size	Weight (#/ft)	Grade	Coupling	MD Top	MD Bottom	TVD Top	TVD Bottom	Top of Cement
9-5/8"	12-1/4"	36	K-55	STC	surf	350	surf	350	surface
7"	8-3/4"	26	K-55	LTC	surf	5687	surf	5095	surface
4-1/2"	6-1/8"	11.6	P-110	BTC	5387	12530	5006	5138	5387

Note: all casing will be new



Shaw-Marie (Shaw) N. Ford

Regulatory Specialist

Phone 505-632-3476 Ext. 219 Mobile 505-716-3297

Web www.djrllc.com Email sford@djrlc.com

1 Road 3263, Aztec, New Mexico 87413

RE: [EXTERNAL] RE: Casing Question



Pickford, Katherine, EMNRD <Katherine.Pickford@state.nm.us>
To Shaw Ford

This is still approved by OCD, but will require BLM approval

From: Shaw Ford <sford@djrlc.com>

Sent: Thursday, April 21, 2022 12:13 PM

To: Pickford, Katherine, EMNRD <Katherine.Pickford@state.nm.us>

Subject: [EXTERNAL] RE: Casing Question

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Correction to my previous email

The proposed new 7" casing point is 5292' MD / 4970' TVD, just above the Gallup C.

This change will also alter the 4.5" planned liner top to 5142' MD / 4864' TVD.

Revised WBD with cement are attached.

Thank you

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 104398

CONDITIONS

Operator: DJR OPERATING, LLC 1 Road 3263 Aztec, NM 87410	OGRID: 371838
	Action Number: 104398
	Action Type: [C-103] NOI Change of Plans (C-103A)

CONDITIONS

Created By	Condition	Condition Date
kpickford	Adhere to previous NMOCD conditions of approval.	5/9/2022