

Additional Information

Modified Well Design

4/29/20

MUD LOGGING E LOGGING/ DIRECTIONAL	CASING SIZE (IN.) CEMENT (SACKS)	DEPTH MD TVD	BOPE	FORMATION	HOLE SIZE (IN.)	MUD WT.	FRAC GRAD	TUBING
					SET AND GROUTED			
	30" GROUT TO SURFACE	120 / 120	OPEN		32"	8.8		
					24"	8.4		
	20" 133# J-55 BTC	655 780 / 780		PERMIAN RUSTLER FM (USDW)				
	800 SACKS, CEMENTED TO SURFACE		26-3/4"-3M ANNULAR/DIVERTER			8.4		
						9.5		
MUD LOGGING TO BEGIN AT 2500'					14 3/4"	9.5 to 10.0		
	13 3/8" 68# N-80 LTC	4,295 4,300 / 4,300		PERMIAN DELAWARE MTN. GROUP				
	1,000 SACKS, CEMENTED TO SURFACE		21-3/4" -5M ANNULAR			10.0		
			21-3/4" -5M BOP			9.4		
DV TOOL AT ±3,300'IN 9 5/8" OPEN HOLE, ECP BELOW		8,230		PERMIAN BONE SPRING FM.				
		11,595		PERMIAN WOLFCAMP FM.	12 1/4"	9.4 to 10.0		
	TOL	13,165/ 13,165						
	9 5/8" 53.5# L-80 LTC	13,365/ 13,365		13-5/8" -10M ANNULAR		10.0		
	5,250 SACKS, CEMENTED TO SURFACE IN TWO STAGES	13,365	13-5/8" -10M BOP			12.5		
		13,510		PENNSYLVANIAN STRAWN FM.				
		14,390		PENNSYLVANIAN ATOKA FM.	8 1/2"	12.5 to 14.6		
		16,035		PENNSYLVANIAN MORROW FM.				
	7 5/8" 39# P-110, ULTRA FJ	16,265 16,425		MISSISSIPPIAN LIME FM. WOODFORD SHALE FM. DEVONIAN				
	265 SACKS, EST. TOC 13,165' BACK UP INTO THE 9 5/8" CASING (VERIFIED WITH RADIAL CEMENT BOND LOG)	16,425 / 16,425	13-5/8" -10M ANNULAR			14.6	LOK-SET PACKER (OR EQUIV.) AT 16,405'	
			13-5/8" -10M BOP					
RUN #1 GR/NEUTRON 17,795- 0 USIT/CBL 16,425- 0	DUAL 0"	17,695	13-5/8" -10M ANNULAR	Base of FUSSELMAN FM	6 1/2"	9.0		
		TD 17,795/ 17,795	13-5/8" -10M BOP					

7" IPC TUBING

13,155

5 1/2" IPC TUBING

16,405'

ELIZABETH SWD FED 2

EDDY COUNTY, NEW MEXICO

PN # 1715.NM.00

FEBRUARY 2019



ALLCONSULTING
GOVERNMENT RELATIONS - ENERGY - PLANNING - TECHNOLOGY
ENGINEERING - ENVIRONMENTAL

© 2019 ALL Consulting, LLC

SIZE

A

SCALE

NTS

WELL BORE DATA SHEET

Rose-Coss, Dylan H, EMNRD

From: Rose-Coss, Dylan H, EMNRD
Sent: Thursday, April 30, 2020 10:48 AM
To: 'Nathan Alleman'
Subject: RE: Elizabeth SWD No. 2 well design

Noted,

Thanks. I will update the application.

Regards,

Dylan Rose-Coss

Petroleum Specialist
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

O: (505) 476-3477



From: Nathan Alleman <nalleman@all-llc.com>
Sent: Thursday, April 30, 2020 10:07 AM
To: Rose-Coss, Dylan H, EMNRD <DylanH.Rose-Coss@state.nm.us>
Subject: [EXT] RE: Elizabeth SWD No. 2 well design

Dylan,

Blackbuck decided to increase their tubing size. Attached is a revised Wellbore Diagram reflecting the use of 7"x5-1/2" IPC Tubing inside 9-5/8" casing and 7-5/8" liner.

Please let me know if you have any questions or need additional information or clarification.

Thank You!

Nate Alleman

ALL Consulting
Office: 918-382-7581
Cell: 918-237-0559

From: Rose-Coss, Dylan H, EMNRD <DylanH.Rose-Coss@state.nm.us>
Sent: Wednesday, April 29, 2020 12:59 PM
To: Nathan Alleman <nalleman@all-llc.com>
Subject: Elizabeth SWD No. 2 well design

Nate,

Would Blackbuck like to append its initially proposed well and casing design?

Also, if the anticipated tops of the Woodford and Mississippian Limestone intervals could be included, that would help me complete the technical review.

Thanks,

Dylan Rose-Coss

Petroleum Specialist
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

O: (505) 476-3477

