

Additional Information

Rose-Coss, Dylan H, EMNRD

From: gfisher@popmidstream.com
Sent: Thursday, February 6, 2020 3:07 AM
To: Rose-Coss, Dylan H, EMNRD; tledlow@popmidstream.com
Cc: Goetze, Phillip, EMNRD
Subject: [EXT] RE: Ramrod Fee SWD #1, SWD-2301_Case No. 20961
Attachments: Ramrod Fee SWD #1, SWD-2301, Geology & Wellbore Schematic Addendum 2-6-2019.pdf

Mr. Rose-Coss,

Please see the attached PDF doc as per your request below. Also moved the 1st Intermediate casing to be just above (20') the top of the Capitan Reef, instead of 25' below top. Please let me know if you have any questions or need any further info.

Thanks,

Gary Fisher

Permian Oilfield Partners, LLC
PO Box 3329
Hobbs, NM 88241
Mobile (817)606-7630
gfisher@popmidstream.com



From: Rose-Coss, Dylan H, EMNRD <DylanH.Rose-Coss@state.nm.us>
Sent: Wednesday, February 5, 2020 3:30 PM
To: 'tledlow@popmidstream.com' <tledlow@popmidstream.com>; 'gfisher@popmidstream.com' <gfisher@popmidstream.com>
Cc: Goetze, Phillip, EMNRD <Phillip.Goetze@state.nm.us>
Subject: Ramrod Fee SWD #1, SWD-2301_Case No. 20961

Mr. Fisher,

The OCD is currently reviewing the application and case files for the proposed Ramrod Fee SWD #1 well. In the hearing a concern was raised by Examiner Goetze regarding the setting depth of the surface casing. In regards to this question, would Permian Oilfield Partners please provide additional top pics subdividing the formations within the Permian Ochoan interval and an updated well design in which the surface casing string is landed at the base of the Rustler formation?

Thanks, and let me know if you have any questions.

Sincerely,

Dylan Rose-Coss

Permian Oilfield Partners, LLC.
 Ramrod Fee SWD #1
 323' FSL, 2227' FEL
 Sec. 17, T21S, R28E, Eddy Co. NM
 Lat 32.4739003° N, Lon 104.1073833° W
 GL 3207', RKB 3237'

GEOLOGY PROGNOSIS			
FORMATION	<u>TOP</u> KB TVD (ft)	<u>BOTTOM</u> KB TVD (ft)	<u>THICKNESS</u> (ft)
Rustler	258	590	332
Salado	590	810	220
Fletcher Anhy	810	830	20
Tansill	820	860	40
Yates	860	960	100
Capitan Reef	1,208	2,670	1,462
Delaware	2,670	5,720	3,050
Bone Spring	5,720	9,306	3,586
Wolfcamp	9,306	10,112	806
Lwr. Mississippian	12,253	12,690	437
Woodford	12,690	12,816	126
Devonian	12,816	13,251	435
Fusselman (Silurian)	13,251	13,555	304
Montoya (U. Ordovician)	13,555	13,686	131
Simpson (M. Ordovician)	13,686	13,856	170

WELL CONSTRUCTION DATA

Permian Oilfield Partners, LLC.
Ramrod Fee SWD #1
323' FSL, 2227' FEL
Sec. 17, T21S, R28E, Eddy Co. NM
Lat 32.4739003° N, Lon 104.1073833° W
GL 3207', RKB 3237'

Surface - (Conventional)

Hole Size: 26" Casing: 20" - 94# H-40 STC Casing
Depth Top: Surface
Depth Btm: 590'
Cement: 339 sks - Class C + Additives
Cement Top: Surface - (Circulate)

Intermediate #1 - (Conventional)

Hole Size: 18.5" Casing: 16" - 65# H-40 BTC Casing
Depth Top: Surface
Depth Btm: 1188'
Cement: 353 sks - Lite Class C (50:50:10) + Additives
Cement Top: Surface - (Circulate)

Intermediate #2 - (Conventional)

Hole Size: 14.75" Casing: 13.375" - 48# H-40 FJ Casing
Depth Top: Surface
Depth Btm: 2695' ECP/DV Tool: 1290'
Cement: 475 sks - Lite Class C (60:40:0) + Additives
Cement Top: Surface - (Circulate)

Intermediate #3 - (Conventional)

Hole Size: 12.25" Casing: 9.625" - 40# L-80 BTC Casing
Depth Top: Surface
Depth Btm: 9356' ECP/!724'
Cement: 1482 sks - Lite Class C (60:40:0) + Additives
Cement Top: Surface - (Circulate)

Intermediate #4 - (Liner)

Hole Size: 8.5" Casing: 7.625" - 39# P-110 FJ Casing"
Depth Top: 9156'
Depth Btm: 12851'
Cement: 214 sks - Lite Class C (60:40:0) + Additives
Cement Top: 9156' - Circulate, then Bond Log when well @ TD

Intermediate #5 - (Open Hole)

Hole Size: 6.5" Depth: 13530'
Inj. Interval: 12851' - 13530' (Open-Hole Completion)

Tubing - (Tapered)

Tubing Depth: 12806' Tubing: 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80
X/O Depth: 9156' FJ Casing (Fiberglass Lined)
X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
Packer Depth: 12816' Packer: 5.5" - Perma-Pak or Equivalent (Inconel)
Packer Fluid: 8.4 ppg FW + Additives

WELLBORE SCHEMATIC

Permian Oilfield Partners, LLC.

Ramrod Fee SWD #1

323' FSL, 2227' FEL

Sec. 17, T21S, R28E, Eddy Co. NM

Lat 32.4739003° N, Lon 104.1073833° W

GL 3207', RKB 3237'

Surface - (Conventional)

Hole Size: 26"
Casing: 20" - 94# H-40 STC Casing
Depth Top: Surface
Depth Btm: 590'
Cement: 339 sks - Class C + Additives
Cement Top: Surface - (Circulate)

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Hole Size: 18.5"
Casing: 16" - 65# H-40 BTC Casing
Depth Top: Surface
Depth Btm: 1188'
Cement: 353 sks - Lite Class C (50:50:10) + Additives
Cement Top: Surface - (Circulate)

Intermediate #2 - (Conventional)

Hole Size: 14.75"
Casing: 13.375" - 48# H-40 FJ Casing
Depth Top: Surface
Depth Btm: 2695'
Cement: 475 sks - Lite Class C (60:40:0) + Additives
Cement Top: Surface - (Circulate)
ECP/DV Tool: 1290'

Intermediate #3 - (Conventional)

Hole Size: 12.25"
Casing: 9.625" - 40# L-80 BTC Casing
Depth Top: Surface
Depth Btm: 9356'
Cement: 1482 sks - Lite Class C (60:40:0) + Additives
Cement Top: Surface - (Circulate)
ECP/DV Tool: 2724'

Intermediate #4 - (Liner)

Hole Size: 8.5"
Casing: 7.625" - 39# P-110 FJ Casing"
Depth Top: 9156'
Depth Btm: 12851'
Cement: 214 sks - Lite Class C (60:40:0) + Additives
Cement Top: 9156' - Circulate, then Bond Log when well @ TD

Intermediate #5 - (Open Hole)

Hole Size: 6.5"
Depth: 13530'
Inj. Interval: 12851' - 13530' (Open-Hole Completion)

Tubing - (Tapered)

Tubing Depth: 12806'
Tubing: 7" - 26# HCP-110 FJ Casing & 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
X/O Depth: 9156'
X/O: 7" 26# HCP-110 FJ Casing - X - 5.5" 17# HCL-80 FJ Casing (Fiberglass Lined)
Packer Depth: 12816'
Packer: 5.5" - Perma-Pak or Equivalent (Inconel)
Packer Fluid: 8.4 ppg FW + Additives

