

30-025-04930

Brown, Maxey G, EMNRD

From: Rabadue, Stephanie <Stephanie_Rabadue@xtoenergy.com>
Sent: Tuesday, March 25, 2014 9:09 AM
To: Brown, Maxey G, EMNRD
Subject: RE: Arrowhead Grayburg Unit # 126

HOBBS OCD
MAR 25 2014
RECEIVED

Good morning, Maxey!

I'll let the engineers know! Thank you so much for your response this morning! Do you want an updated C-103 e-mailed your way with the changes?

Take care and thank you again!

Stephanie Rabadue
Regulatory Analyst – Permian Division
432-620-6714
stephanie_rabadue@xtoenergy.com

From: Brown, Maxey G, EMNRD [<mailto:MaxeyG.Brown@state.nm.us>]
Sent: Tuesday, March 25, 2014 10:08 AM
To: Rabadue, Stephanie
Subject: RE: Arrowhead Grayburg Unit # 126

Stephanie,
Ok, if we use 2 intercept points, drop lower intercept point from 2600' to 2750'. This will put cement between the open perforations and the lower fish. Increase cement volume to a minimum of 25 sxs or greater, depending on pump in rate. This gives a plug between producing zone and base of salt. Any questions give me a call.
Maxey

From: Rabadue, Stephanie [mailto:Stephanie_Rabadue@xtoenergy.com]
Sent: Tuesday, March 25, 2014 6:51 AM
To: Whitaker, Mark A, EMNRD
Cc: Brown, Maxey G, EMNRD; Sonnamaker, William, EMNRD
Subject: RE: Arrowhead Grayburg Unit # 126

Good morning everyone!

We're currently approved to sidetrack PxA the AGU #126 (API: 025-04930) with three intercept points. My drilling operations engineer is concerned as the more intercept points in a sidetrack PxA, the more risky the venture. He is wondering if the following would be acceptable and not threaten the injection integrity of our unit:

1. Eliminating the 3rd intercept point at +/-3680'. This would mean that we would not have a plug throughout our producing interval or fill the wellbore with cement.

However, the rest of the program would stay the same with two intercept points at the top and base of the salt zones (+/- 2600' & 1283' respectively).

In regard to pumping down the wellbore with any fluids after the fish were lost in the hole: I am not sure. I've attached the daily reports of us working on the well prior to making the decision to sidetrack PxA to provide a better idea of what we have done with the well to-date. Additionally, I've included the proposed PxA sketch whose only changes from the

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actual sketch, at this time, is where we originally intended to set our plugs with the intercept well. I've done strike-through with the original plugs that we're currently approved for at this time but have left them on the diagram as a demonstration of both what we'd like to change it to and what we're approved for currently.

Thanks Mark, Maxey and Bill! Any help you can provide is appreciated! As soon as I acquire additional information, I'll pass it along!

Take care and have a great day!

Stephanie Rabadue
Regulatory Analyst – Permian Division
432-620-6714
stephanie_rabadue@xtoenergy.com

From: Whitaker, Mark A, EMNRD [<mailto:MarkA.Whitaker@state.nm.us>]
Sent: Thursday, March 20, 2014 3:11 PM
To: Rabadue, Stephanie
Cc: Brown, Maxey G, EMNRD; Sonnamaker, William, EMNRD
Subject: Arrowhead Grayburg Unit # 126

Stephanie,

Would you please attach a current wellbore schematic indicating where the fish are in the casing. Also do you know if an attempt was made to pump down the wellbore with any fluids after the fish where lost in the hole.

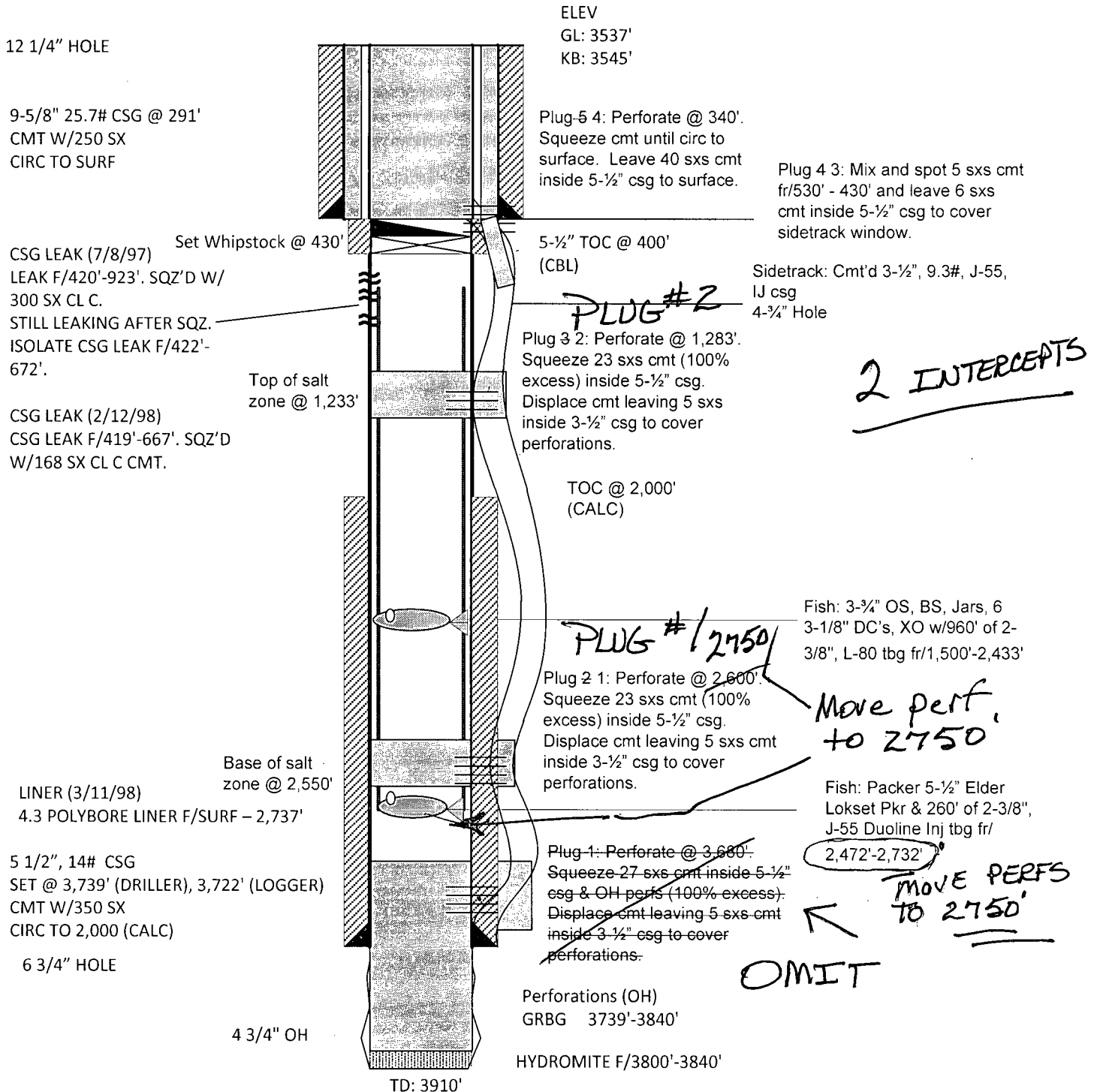
Mark A Whitaker
Compliance Officer
OCD Hobbs District I
575-393-6161 ext 120
575-399-3202 (cell)

WELL NAME: AGU 126
 LOCATION: 1980' FNL & 660' FWL, SEC 36 T21S R36E
 FORMATION: GRBG
 SPUD DATE: 06/24/40
 IP:

COUNTY/STATE: LEA, NM
 LEASE: ARROWHEAD
 CURRENT STATUS: INJECTOR
 COMPL DATE: 07/17/40
 API No: 30-025-04930



Proposed P&A WBD



CHANGES TO ORIGINAL C-103
 ALL CHANGES WILL BE INCLUDED
 ON C-103 SUBSEQUENT
 MMS 3/25/2014

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0'	14'		Gellar
	20		Caliche
	85		Sand
	230		Red rock
	305		Red bed
	1138		Red bed & shells
	1250		Red bed
	1390		Anhydrite
	2030		Salt shells
	2170		Shale, salt & anhydrite shells
	2174		Salt & shells
	2262		Salt & anhydrite shells
	2490		Salt & shells
	2515		Salt & shale
	2544		Salt, red bed & anhydrite
	2555		Shells
	2610		Anhydrite & gyp
	2636		Anhydrite
	2693		Anhydrite & gyp
	2740		Anhydrite
	2847		Anhydrite & gyp
	2900		Anhydrite
	2992		Anhydrite & gyp
	3047		Anhydrite
	3137		Anhydrite & gyp
	3185		Anhydrite & lime
	3840		Lime
			TOTAL DEPTH