

Maurer, Michelle

Subject: FW: ULS 5-9 Unit 6H 42-003-47556
Attachments: ULS 5-9 #6H As-Completed WBD - 10-21-19.pdf

From: Matt Jurgens <MJurgens@zarvonaenergy.com>
Sent: Monday, October 21, 2019 7:30 PM
To: Alvaro Rosales <ARosales@zarvonaenergy.com>; Maurer, Michelle <mmaurer@utsystem.edu>
Subject: RE: ULS 5-9 Unit 6H 42-003-47556

External Mail
Michelle,

You are correct – TD is 22,935ft MD.

As far as plugs, we set a CIBP at 12,035ft and put 20ft of cement on top to 12,015ft. That plugged back the original hole to prep it for sidetracking horizontal.

There is a whipstock set at 11,338ft MD in the 7" casing, which is what we sidetracked the original well out from. We sidetracked there and drilled a 6 1/8 hole through the curve and into the lateral to 22,935ft MD. We then ran a 4 ½ liner out to 22,108ft – note that the liner would not go all the way to TD and so was landed off bottom about 800ft.

The top of that 4 1/2 liner was then set at 10,143ft inside the 7" casing where it was tied in with a liner hanger/packer assembly.

Later on, we ran another string of 4 ½ from the liner hanger/packer all the way to surface. So now it has 4 ½ all the way from 22,108 to surface.

Attached is the updated wellbore diagram. We need to amend the W2 for a few mistakes and are working on that.

Let me know if you have any questions.

Thanks,
Matt

WELL NAME:	ULS 5-9 #6		FIELD:	Mississippian	
API#	42-003-47556	SEC:	4	BLK:	5
COUNTY:	Andrews	ST:	TX	SURVEY:	UL
KB:	17	GL:	3030	SPUD DATE:	06/30/17
		TD:	22,935	PBTD:	
LAST UPDATED:		10/21/19		BY:	MJ

CASING DETAILS

PURPOSE	SIZE	WEIGHT	GRADE	CONNECTION	SET DEPTH
SURFACE	13-3/8"	54.5#	J-55	BTC	1,844'
INTER	9-5/8"	40#	J-55/ HC L80	LTC	5,428'
PROD	7"	29#	HC P110	LTC	12,822'
Liner	4 1/2	15.1#	P110	BK-HT	20,108'
Tie - Back	4 1/2	15.1#	P110	BK-HT	10,143'
Prod Tubing	2-3/8"	4.7#	L80	BK-HT	11,730'

Note: Inter is special drift to 8.75"

7" production is special drift to 6 1/8"

9-5/8" @ 5,428' w/ lead 1172 sx 50 :50 Pso & Tail 262 sx Prem Plus
12-1/4" hole to 5,435'

DV tool @ 5,463 '
(Stage tool Weatherford
751 PD P-110 LTC)

7" Casing Marker jts:
Driller-7,063' (CBL 7,015')
Driller-10,024' (CBL 9,976')

Top of Liner @ 10,143ft
Packer @ 11,722

Whipstock in 7"
casing set @
11,338ft

FTP - 12,677'
LTP - 22,053'

Max treating Pressure 9929 psi
Casing Pressure test 10,000 psi

Well TD at 22,935ft MD, 12191 TVD

Toe Sleeve set pressure 8160 psi

4 1/2 liner to 22,108ft MD (could not
get to bottom)

20' of cement top at 12,015'
CIBP at 12,035'

Original Perfs from 12,170 to 12,180 are now plugged back as of 6/2018

Perf 12,170' - 12,180' and 12,202' - 12,216' at 4 spf 60° phasing with HMX charge (0.45" EHD)

(20' of cement and CIBP was set at 12,118' was pumped down hole while testing to 8,300 psi - Tagged with CBL at 12,200')

7" to 12,822'
8-3/4" hole to 12,830'