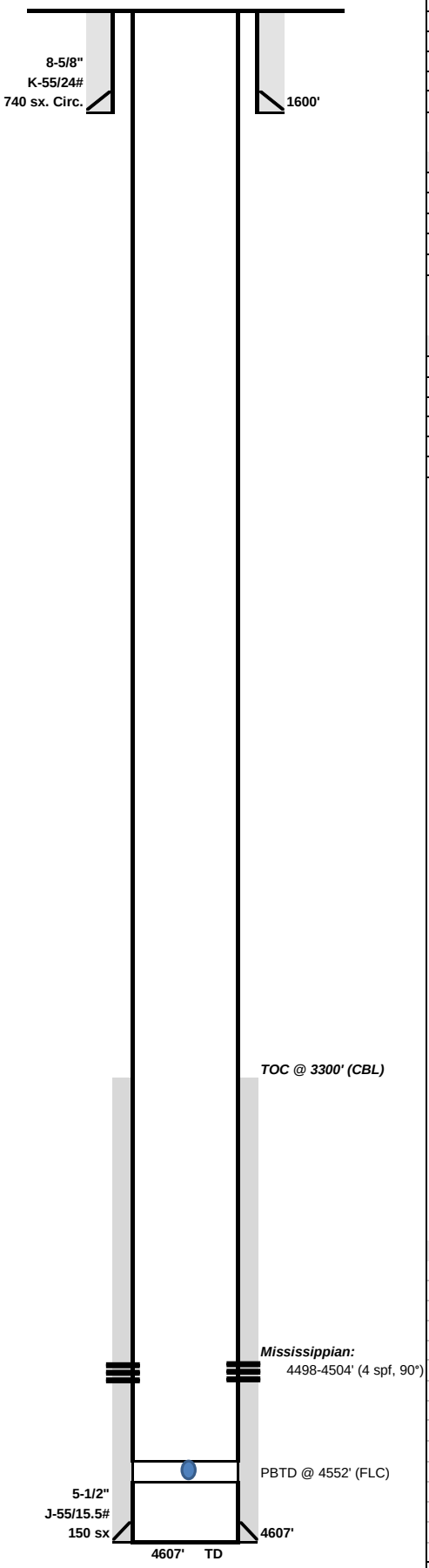
WELLBORE SCHEMATIC

Proposed



Lease:	**Hummel CB**			Well No.	**3**
API No.	15-083-21886			Status	Active
Location:	1661' FSL & 550' FWL. Sec 31 TWP 21S RGE 24W				
County:	Hodgeman	State:	Kansas	Field:	Hummel
TD	4607'	GL	2366'	Spud Date:	4/16/2014
PBTD	4552'	KB	2378'	Comp Date:	5/9/2014
Current Perfs/OH:	4498-4504	Current Zone:	Mississippian		

Surface Equipment

Unit Make:	Lufkin	Unit Size:	C-228D-246-86
Unit S/N:	F1227842-506395	Unit Rotation:	
SPM:	5.6	Stroke Length: 86"	Unit Sheave:
Prime Mover:			Motor Sheave:
Motor S/N:			Motor RPM:

Casing Breakdown

	Size	Grade / Wt	Depth	Hole Size	Cement
Surface	8-5/8"	K-55/24#	1600'	12-1/4"	740 sx. Circ.
Production	5-1/2"	J-55/15.5#	4607'	7-7/8"	150 sx
Production					
Production					
Liner					

Tubing Breakdown

Qty	Description	Footage
144	2-7/8", 6.5#, EUE new	4320.00'
1	5-1/2" x 2-7/8" anchor	
1	2-7/8", 6.5#, EUE new	30.00'
	SN (4512' KB)	
1	CEMA EOT @ 4527	15.00'
	TOTAL	**4365.00'**

Rod Breakdown

Qty	Description	Footage
1	2-1/2" x 1-1/2" x 16' Dreiling insert pump	16.00'
1	7/8" Pony rod	2.00'
20	7/8" Weatherford KD 63	500.00'
100	3/4" Weatherford KD 63	2500.00'
58	7/8" Weatherford KD 63	1450.00'
1	7/8" Pony rod	4.00'
1	7/8" Pony rod	6.00'
1	7/8" Pony rod	8.00'
1	Polished rod w/ 9' liner	22.00'
	TOTAL	**4490.00'**

Comments

Perf'd Mississippian from 4498'-4504'. Swabbed total of 27 bbls of water. 6th run was dry. Tagged 1400' Fl
100% oil. Acz'd w/ 1200 gal 28% HCl, treated at 3 bpm, 375 psi. Flushed w/ 30 bbls lease wtr. Swabbed
total of 201 bls 1% oil. Kept FL @ 2900'. Sqz'd 32 sx cmt into formation @ 1500 psi. Put 500 psi overnight.
Tag TOC @4365'. DO to 4450', fell thru cmt at 4504'. Ran CBL from TD to 4450', OK. Reperf'd Miss zone
4498-4504' w/ 4 spf. Swb'd 27.5 bls. Spot XX gals 15% HCL acid at pers, let acid soak overnight, FL drop'd
only 50', pressured up to 500 psi to break down. Swb'd 35.1 bls w/ final pill 3850' FS, 100% oil. RIH w/
completion.

PREPARED BY:	L. Campo	UPDATED:	5/15/2014