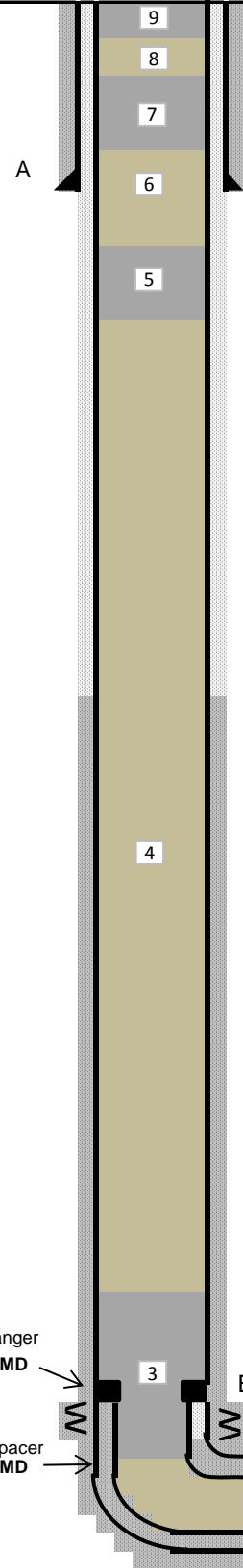


Well Name: Zerr 31-41-1H

Wellbore Diagram

Actual

Proposed



Location Detail			
Location	Sheridan Co., Kansas	RIG:	Hercules L400
Field	Zerr	Block	Sec 31 T10S - R28W
TDMD	11,327'	TVD	7,085'
Surface Location (X/Y)	1294298 / 306261 (NAD 27)		

Wellbore Details					
GL	2,748'	RKB	2,774'	BHT	190°F
API #	15-179-2130701-00		Spud	8/15/2012	Rig Release
KOP	3,692'				

Max DLS 10.86° @ 4,613' MD

Hole Section Details				
#	Hole Section	Hole Size	Tubular	Depth
A	Surface	12-1/4"	9-5/8", 40#, J-55, LT&C	1,538' TVD/MD
B	Intermediate	8-3/4"	7", 26#, P-110, LTC in Vertical 7", 26#, P-110, BTC in Curve	4,505' TVD / 4,954' MD
C	Production	6-1/8"	4-1/2", 13.5# P-110, Hydril 521	4,497' TVD / 8,354' MD
D	Tubing	--	2-7/8", 6.5# L-80, 8rd EUE	3,361' MD
E	Tubing	--	2-3/8", 4.7# J-55, 8rd EUE	1440' MD

Artificial Lift Assembly Details					
#	Equipment	Description	Length	Depth (MD)	Volume (bbls)
1	CIBP	4.5" Cast Iron Bridge Plug	2'	4700'	0
2	Spacer	Gel Spacer from CIBP@ 4,700' to 4125'	575'	4700	22 bbls
3	Plug #1	75 sks Class A - 15.6 ppg (TOC 3261')	864'	4125'	15.8 bbls
4	Spacer	Gel spacer from top of Plug#1 to Anhydrite (Stone Corral 2335')	926'	3261'	35.4 bbls
5	Plug #2	25 sks Class A - 15.6 ppg t (TOC 2197')	138'	2335'	5.3 bbls
6	Spacer	Gel spacer from top of Plug#2 to Dakota (1450')	747'	2197'	28.5 bbls
7	Plug #3	100 sks 13.5 ppg 60/40 POS	700'	1450'	26.7 bbls
8	Spacer	Gel Spacer from top of Plug #3 to 125'	600'	750'	22.9 bbls
9	Plug #4	20 sks 13.5 ppg 60/40 POS	125'	125'	5.3 bbls

Plug and Perf Depths		
Stage	Plug Depth	Perf Zone
1		7,407'-7,650'
2		7,101'-7,329'
3		6,799'-7,042'
4		6,498'-6,737'
5		6,200'-6,422'
6		5,860'-6,127'
7		5,594'-5,785'
8		5,292'-5,520'
9		4,991'-5,219'
10	4,700'	3,990'-4,117'

*** NOTE : CIBP set at 4,700' MD

Liner Hanger
3,385' MD

Top of Spacer
4,125' MD

Prepared By:

Todd Broderick

Date:

10/30/2013

DRAWING NOT TO SCALE