

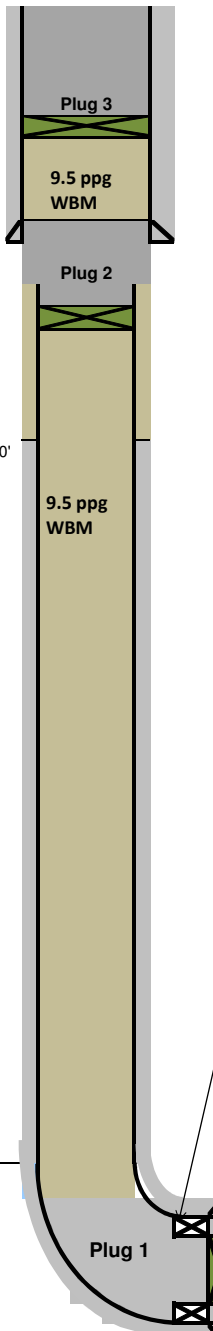


Shell E&P Company
200 North Dairy Ashford
Houston, Texas USA 77079

Lease :	Hudgens 3307 10-1H	Casing									
API No:	15-077-21852-01-00	Size	Weight	Grade	Thread	Depth (ft)	ID (in)	Drift (in)	Collapse	Burst	BBL/Ft
KB :	31.8 ft above GL	9 5/8"	36.0	J-55	STC	472	8.921	8.765	2020	3520	0.0773
GL:	1363'	7"	23.0	L-80	LTC	5026	6.366	6.241	3830	6340	0.0393
Legals :	Sec 10, T33S, R07W	4.5"	11.6	P-110	LTC	4575-8558	4.000	3.877	7569	10687	0.0155
	330' FSL, 1060' FWL										
County:	Harper										
State:	KS										
Spud:	10/6/12	Tubing									
RR:	11/21/12	Size	Weight	Grade	Thread	Depth	ID	Drift	Collapse	Burst	BBL/Ft
Latitude:	37°10'54.66" (NAD 27)	Tubing removed									
Longitude:	98°03'39.22"										

TOC and cap	MD (ft)	5
BOC Plug	140	
CIBP	140	
TOC plug	422	
9 5/8" csg shoe	472	
7" csg out	522	
BOC plug	572	
CIBP	572	

Estimated int. csg TOC 2500'



Proposed P&A

Key Depths	(ft)
TD	8,740
TVD (max)	4,579
PBTD (float collar)	8,688
Kick Off Point	4,061
Landing Point (90 deg)	5083
Flag Joint (in 7")	NA
EST. top of Cement	4575'

Comments on the Cement Job

9-5/8": Cement returns to surface.
7" : Partial returns to surface.
TOC +/- 2500'.
4.5": TOC calculated 4575'.

Highlights	
Highest Dogleg	16 deg @ 4910'
Est. BHT	136 F
Est. BHP	1,923 psi
Approx. Lateral Length	3,605 ft
Fluid in the wellbore	Produced water

Formation Depths		
	MD	TVD
Top of Miss Lime	4,750	4,522
Deepest Water Well	89'	89'

P&A Fluids

Cement	Class H
Mud	9.5 lbs/gal Viscosity > 36

KEY DEPTHS (MD):	
KOP	4061'
TOP OF LINER	4765'
LANDING POINT (90 DEG)	5083'
RVD - Toe sleeve	8411'
PBTD (FLOAT COLLAR)	8411'

