Hudgens 3307 10-1H
PERMANENT ABANDONMENT PROCEDURE

API: 15-077-21852-01-00

Proposed Wellbore Diagram

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

Lease :	Hudgens 3307 10-1H
API No:	15-077-21852-01-00
KB :	31.8 ft above GL
GL:	1363'
Legals :	Sec 10, T33S, R07W
	330' FSL, 1060' FWL
County:	Harper
State:	KS
Spud:	10/6/12
RR:	11/21/12
Latitude:	37°10'54.66" (NAD 27)
Longitude:	98°03'39.22"

Casing

Size	Weight	Grade	Thread	Depth (ft)	ID (in)	Drift (in)	Collapse	Burst	BBL/Ft
9 5/8"	36.0	J-55	STC	472	8.921	8.765	2020	3520	0.0773
7"	23.0	L-80	LTC	5026	6.366	6.241	3830	6340	0.0393
4.5"	11.6	P-110	LTC	4765-8558	4.000	3.877	7569	10687	0.0155

Tubing

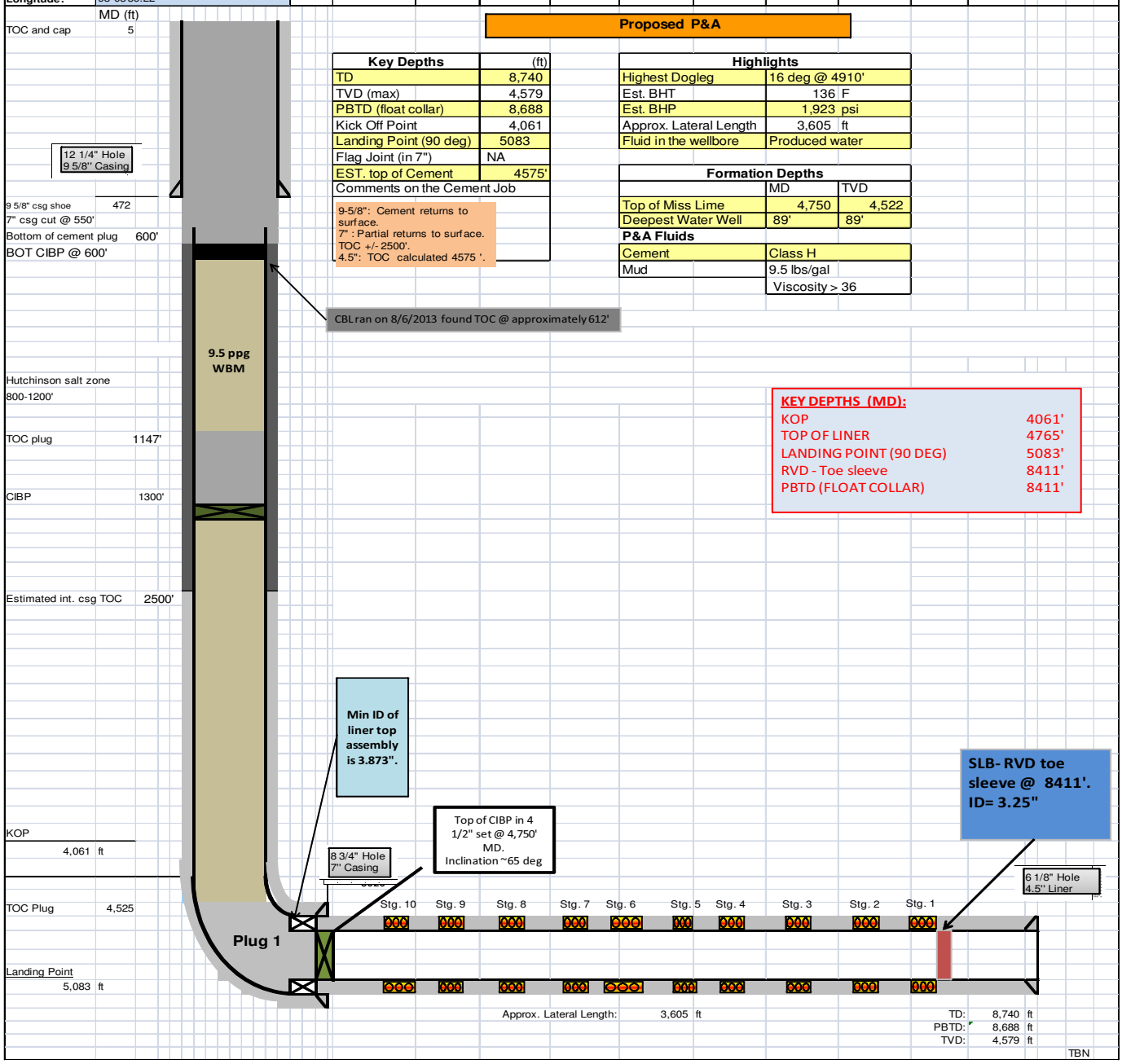
Size	Weight	Grade	Thread	Depth	ID	Drift	Collapse	Burst	BBL/Ft
				Tubing removed					

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