

WELL EXAMINATION AND CERTIFICATION

Well Tubulars, Cementing and Barrier Check

Well Name	Desoto Canyon 491 #1 ST01 (DC 535 #1) Raptor OCS-G-23520
Program Description	Well Casing Design, Cement Program and Barrier Reviews
Program Revision Number / Date	ANA-U212-083 Rev A / 26 May 2013
Well Examiner	David B. Lewis

The well program referenced above has been examined and is fit for purpose to achieve the stated objectives as per the BSEE requirements for the well casing design and cement program. Should there be any deviations from the well design assumptions or stated purpose the Examiner must be contacted to check the potential implications.

There are at least two independent barriers, including one mechanical barrier, across each flow path during well activities and the casing and cementing design is appropriate for the purpose for which it is intended under expected wellbore conditions.

Requirements CFR 250.418 (h) 250.420 (a)(6)(i,ii,iii) 250.420 (b)(3)	Documents Reviewed	Deemed Appropriate
Casing	<ul style="list-style-type: none"> • <i>Raptor WBS 130524 (PE Cert).pdf – 24 May 2013</i> • <i>PPFJOB Plot 130524.pdf – 24 May 2013</i> • <i>Directional Plan.pdf – 22 May 2013</i> • <i>HP Q125 9875 pipe.pdf – 14 March 2012</i> • <i>9.875 62.8 QHP 523 connection.pdf – 16 February 2011</i> • <i>0 0 raptor 130312 16 in deeper.pdf – 12 March 2013</i> • <i>DC 535 #1 Raptor Well Design Review_16 inch contingency.docx – Blade Report – 9 March 2013</i> • <i>DC 535-1 CLAP v0.2.CLP – 8 March 2013</i> • <i>DC 535 #1 Raptor 081012 – from Shaikh.wcd – 8 March 2013</i> • <i>14 x 0.812 VM95HCSS-D SD 12 25 90RBW.PDF – 20 September 2012</i> • <i>DC 535-1 BOD for PE cert 121007.pdf – 14 June 2012</i> • <i>14 in T95 Basis of Design.docx – 26 June 2012</i> • <i>14 in csg hanger loads.pdf – 26 June 2012</i> • <i>Raptor Casing Plan – Preliminary 120502.pdf – 2 May 2012</i> • <i>11875 7180 Q125CC PE SD.pdf – 23 March 2012</i> • <i>13625 8686 (625 wall) Q125HP PE SD.pdf – 1 August 2011</i> • <i>Raptor Base Case Load Description – 2 May 2012</i> • <i>Raptor Drilling Burst Loads.pdf – 2 May 2012</i> • <i>Raptor DC 535-1 Drilling BOD temperature info.pdf – 11 October 2011</i> • <i>MTR C-8747 B.pdf – 5 August 2011</i> 	Yes

	<ul style="list-style-type: none"> • MTR C-8836.pdf – 21 January 2012 • 14in mill cert summary for Blade.xlsx – 7 May 2012 • DC 535 #1 Basis of Design 6.14.12 signed a.pdf – 14 June 2012 	
Cement	<ul style="list-style-type: none"> • 9.875 Cement Simulation.pdf – 23 May 2013 • 11.875 Cement Simulation.pdf – 23 May 2013 • DC 535 #1 14 Draft v5 03-08-2013.pdf – 8 March 2013 • DC 535 #1 16 Draft v1 03-08-13.pdf – 8 March 2013 • DC 535 #1 Cement Plan 121024.pdf – 8 October 2012 	Yes
Two independent barriers	<ul style="list-style-type: none"> • DC 535 #1 BOD barriers.pdf – 14 June 2012 	Yes

Signed: <i>David B. Lewis</i>
Date: 26 May 2013

