



Well Name Fee 159X		Lease Fee	Field Name Rangely	Business Unit Mid-Continent	
Ground Elevation (ft)	5,333.00	Original RKB Elevation (ft)	5,355.00	5,355.00, <elvdtmstart>	
Current KB to Ground (ft)	22.00	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)	

Land - Original Hole, 12/16/2015 2:00:00 PM		
MD (FO TH)	TVD (FO TH)	Incl (°)
-1.3	-6.9	0.0
0.0	0.0	0.0
22.0	22.0	0.1
22.6	22.6	0.1
24.8	24.5	0.1
26.2	26.2	0.1
28.9	28.9	0.1
62.0	62.0	0.2
1,989.5	1,987.5	5.3
1,991.1	1,989.1	5.3
2,003.5	2,001.2	5.2
2,024.4	2,022.2	5.2
3,344.2	3,339.9	2.3
3,367.5	3,362.7	2.4
3,766.1	3,751.5	2.5
4,537.9	4,522.1	2.7
4,625.9	4,617.2	1.6
4,748.9	4,743.1	3.0
4,788.9	4,792.9	3.1
5,416.9	5,408.5	4.4
5,526.5	5,522.0	4.1
5,530.9	5,522.5	3.8
6,199.3	6,190.9	2.1
6,195.3	6,191.6	2.1
6,233.9	6,225.4	2.6
6,234.3	6,225.8	2.6
6,240.5	6,232.0	2.6
6,243.9	6,232.3	2.6
6,255.2	6,248.7	2.7
6,262.2	6,247.7	2.7
6,257.5	6,249.9	2.7
6,261.9	6,253.3	2.7
6,271.3	6,262.8	2.8
6,272.3	6,263.8	2.8
6,274.0	6,265.4	2.8
6,336.9	6,331.2	3.8
6,541.9	6,533.3	3.9
6,563.3	6,548.3	4.1
6,514.1	6,506.0	4.1
6,515.1	6,506.0	4.1
6,602.9	6,602.4	4.1

Vertical schematic (actual)

4-1; Tubing Hanger EFT (New) double port; 7.07; 2,500; 22; 0.80

4-2; Tubing Pup Joint TK-2 (New); 3.67; 2,401; 23; 6.10

4-3; Tubing tk-2 (ReRun) 2 7/8"; 3.67; 2,401; 29; 6,140.38

4-4; PSN; 3.67; 2,225; 6,169; 1.10

4-5; Tubing tk-2 (ReRun) 2 7/8"; 3.67; 2,401; 6,170; 63.40

4-6; Tubing Drain No stop (ReRun); 3.67; 2,000; 6,234; 0.50

4-7; Tubing Pup Joint TK-2 (ReRun); 3.67; 2,401; 6,234; 6.15

4-8; Cross Over 2-7/8" x 2-3/8"; 3.67; 1,901; 6,240; 0.45

4-9; ESP - Pump P-10; 4; 6,241; 14.50

4-10; Seal Assembly; 5.13; 6,255; 6.30

4-11; ESP - Motor; 5.62; 6,262; 9.70

4-12; Centralizer; 6 1/8; 6,271; 0.80

Tubing Strings									
Tubing Description		Planned Run?		Set Depth (MD) (ftOTH)			Set Depth (TVD) (ROTH)		
Tubing - Production		N		6,272.2			6,263.7		
Run Date		Run Job		Pull Date			Pull Job		
12/16/2015		Pump Repair, 12/9/2015 09:30							
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftOTH)	Btm (ftOTH)
	Tubing Hanger EFT (New) double port	7.065	2.500				0.80	22.0	22.8
194	Tubing Pup Joint TK-2 (New)	3.668	2.401	6.50	J-55		6.10	22.8	28.9
	Tubing tk-2 (ReRun) 2 7/8"	3.668	2.401	6.50	J-55		6,140.38	28.9	6,169.3
	PSN	3.668	2.225				1.10	6,169.3	6,170.4
2	Tubing tk-2 (ReRun) 2 7/8"	3.668	2.401	6.50	J-55		63.40	6,170.4	6,233.8
	Tubing Drain No stop (ReRun)	3.668	2.000				0.50	6,233.8	6,234.3
	Tubing Pup Joint TK-2 (ReRun)	3.668	2.401	6.50	J-55		6.15	6,234.3	6,240.4
	Cross Over 2-7/8" x 2-3/8"	3.668	1.901				0.45	6,240.4	6,240.9
	ESP - Pump P-10	4					14.50	6,240.9	6,255.4
	Seal Assembly	5.13					6.30	6,255.4	6,261.7
	ESP - Motor	5.62					9.70	6,261.7	6,271.4
	Centralizer	6 1/8					0.80	6,271.4	6,272.2

Rod Strings			
Rod Description	Planned Run?	Set Depth (ftOTH)	Set Depth (TVD) (ftOTH)
Run Date	Run Job	Pull Date	Pull Job

Rod Components							
Jts	Item Des	OD (in)	Grade	Model	Len (ft)	Top (ftOTH)	Btm (ftOTH)