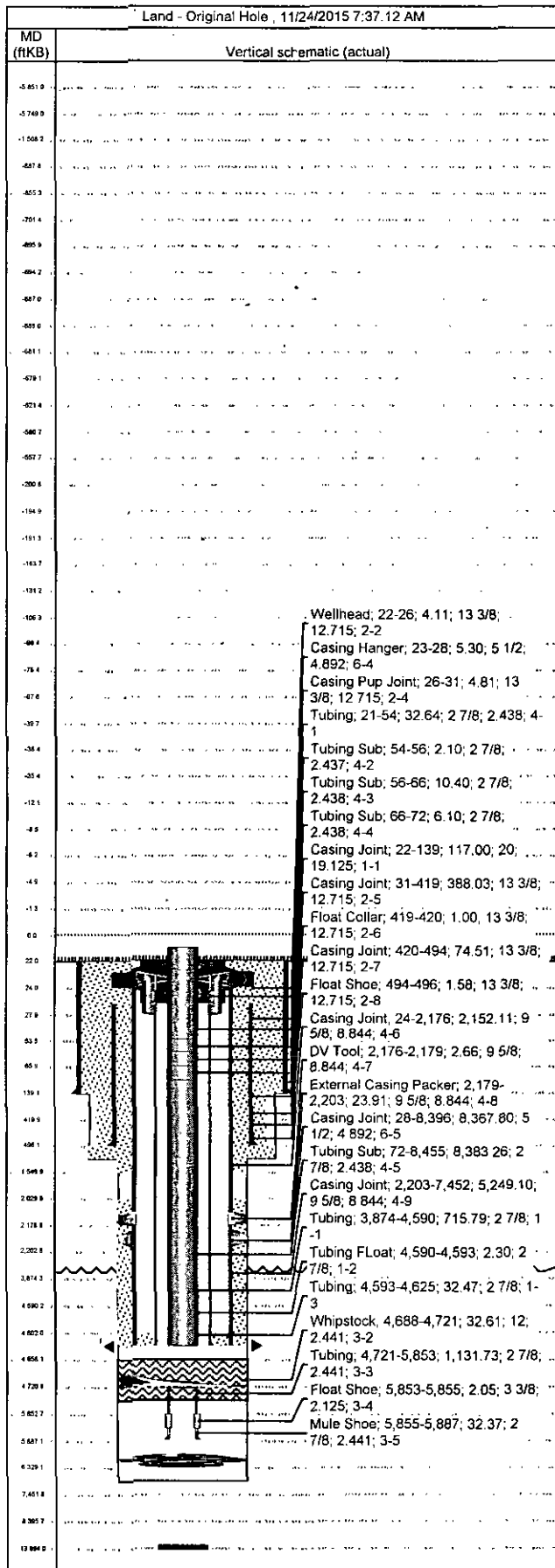




Wellbore Schematic

30015 13040

Well Name MIDNIGHT SUN 2-26-27 005H	Lease	Field Name Welch	Business Unit Mid-Continent
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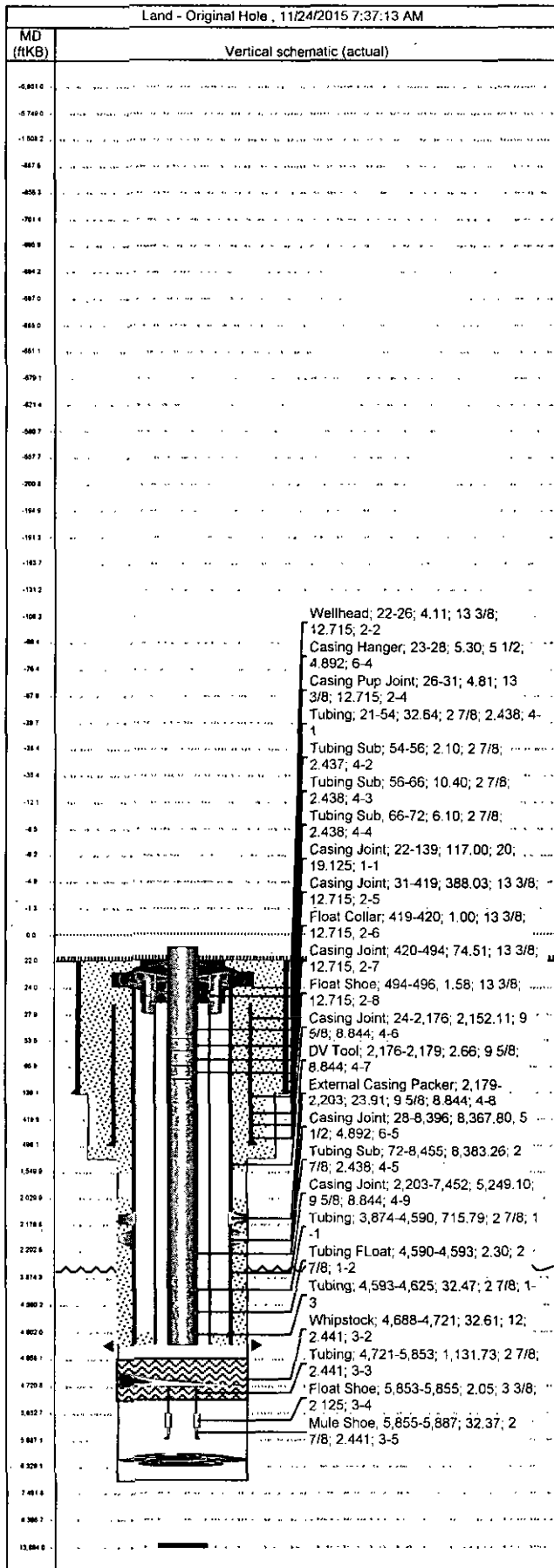


Job Details						
Job Category			Start Date		Rig/Unit End Date	
Completion			8/14/2015		8/29/2015	
Completion			8/29/2015		9/2/2015	
Completion			9/18/2015		10/7/2015	
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)	
Conductor	20	94.00	H-40		139	
Surface	13 3/8	48.00	H-40		496	
Structural	2 7/8	6.50	J-55	EUE	5,887	
Intermediate Casing 1	9 5/8	40.00	HCK-55		7,539	
Structural	2 7/8	6.50	J-55	EUE	9,168	
Production Casing	5 1/2	17.00	HCP-110	CDC	14,101	
Tubing Strings						
Whipstock Tail Pipe set at 4,625.0ftKB on <dtmrun>						
Tubing Description			Run Date		String Length (ft)	Set Depth (MD) (ftKB)
Whipstock Tail Pipe			8/27/2015		750.56	4,625.0
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Tubing	22	2 7/8	6.50	J55	715.79	4,590.2
Tubing FLoat	1	2 7/8		J55	2.30	4,592.5
Tubing	1	2 7/8	6.50	J55	32.47	4,625.0
Tubing set at 8,476.4ftKB on 8/27/2015 14:30						
Tubing Description			Run Date		String Length (ft)	Set Depth (MD) (ftKB)
Tubing			8/27/2015		19.48	8,476.4
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Packer	1	4.6			7.63	8,464.5
Tubing	1	2 7/8	6.50	L-80	6.10	8,470.6
XN - Nipple	1	3.68			1.15	8,471.8
Tubing	1	2 7/8	6.50	L-80	4.10	8,475.9
Wireline Guide	1	3.65			0.50	8,476.4
Tubing - Production set at 8,456.9ftKB on 9/1/2015 13:00						
Tubing Description			Run Date		String Length (ft)	Set Depth (MD) (ftKB)
Tubing - Production			9/1/2015		8,436.00	8,456.9
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Tubing	1	2 7/8	6.40	L-80	32.64	53.5
Tubing Sub	1	2 7/8	6.40	L-80	2.10	55.6
Tubing Sub	1	2 7/8	6.40	L-80	10.40	66.0
Tubing Sub	1	2 7/8	6.40	L-80	6.10	72.1
Tubing Sub	257	2 7/8	6.40	L-80	8,383.26	8,455.4
On-Off Tool	1	2 7/8			1.50	8,456.9
Perforations						
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion	
8/18/2015	9,412.0	9,414.0	6.0	12	Bone Spring, ST2	
8/18/2015	9,482.0	9,484.0	6.0	12	Bone Spring, ST2	
8/18/2015	9,552.0	9,554.0	6.0	12	Bone Spring, ST2	
8/18/2015	9,622.0	9,624.0	6.0	12	Bone Spring, ST2	
8/18/2015	9,692.0	9,694.0	6.0	12	Bone Spring, ST2	
8/18/2015	9,762.0	9,764.0	6.0	12	Bone Spring, ST2	
8/18/2015	9,832.0	9,834.0	6.0	12	Bone Spring, ST2	
8/18/2015	9,902.0	9,904.0	6.0	12	Bone Spring, ST2	
8/18/2015	9,972.0	9,974.0	6.0	12	Bone Spring, ST2	
8/18/2015	10,042.0	10,044.0	6.0	12	Bone Spring, ST2	
8/18/2015	10,112.0	10,114.0	6.0	12	Bone Spring, ST2	
8/18/2015	10,182.0	10,184.0	6.0	12	Bone Spring, ST2	
8/17/2015	10,252.0	10,254.0	6.0	12	Bone Spring, ST2	



Wellbore Schematic

Well Name MIDNIGHT SUN 2-26-27 005H	Lease	Field Name Welch	Business Unit Mid-Continent
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Perforations					
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
8/17/2015	10,322.0	10,324.0	6.0	12	Bone Spring, ST2
8/17/2015	10,392.0	10,394.0	6.0	12	Bone Spring, ST2
8/17/2015	10,462.0	10,464.0	6.0	12	Bone Spring, ST2
8/17/2015	10,532.0	10,534.0	6.0	12	Bone Spring, ST2
8/17/2015	10,602.0	10,604.0	6.0	12	Bone Spring, ST2
8/17/2015	10,672.0	10,674.0	6.0	12	Bone Spring, ST2
8/17/2015	10,742.0	10,744.0	6.0	12	Bone Spring, ST2
8/17/2015	10,812.0	10,814.0	6.0	12	Bone Spring, ST2
8/17/2015	10,882.0	10,884.0	6.0	12	Bone Spring, ST2
8/17/2015	10,952.0	10,954.0	6.0	12	Bone Spring, ST2
8/17/2015	11,022.0	11,024.0	6.0	12	Bone Spring, ST2
8/17/2015	11,092.0	11,094.0	6.0	12	Bone Spring, ST2
8/17/2015	11,162.0	11,164.0	6.0	12	Bone Spring, ST2
8/17/2015	11,232.0	11,234.0	6.0	12	Bone Spring, ST2
8/17/2015	11,302.0	11,304.0	6.0	12	Bone Spring, ST2
8/17/2015	11,372.0	11,374.0	6.0	12	Bone Spring, ST2
8/17/2015	11,442.0	11,444.0	6.0	12	Bone Spring, ST2
8/17/2015	11,512.0	11,514.0	6.0	12	Bone Spring, ST2
8/17/2015	11,582.0	11,584.0	6.0	12	Bone Spring, ST2
8/17/2015	11,624.0	11,626.0	6.0	12	Bone Spring, ST2
8/17/2015	11,722.0	11,724.0	6.0	12	Bone Spring, ST2
8/17/2015	11,792.0	11,794.0	6.0	12	Bone Spring, ST2
8/17/2015	11,862.0	11,864.0	6.0	12	Bone Spring, ST2
8/17/2015	11,924.0	11,926.0	6.0	12	Bone Spring, ST2
8/17/2015	12,002.0	12,004.0	6.0	12	Bone Spring, ST2
8/17/2015	12,072.0	12,074.0	6.0	12	Bone Spring, ST2
8/17/2015	12,142.0	12,144.0	6.0	12	Bone Spring, ST2
8/16/2015	12,212.0	12,214.0	6.0	12	Bone Spring, ST2
8/16/2015	12,282.0	12,284.0	6.0	12	Bone Spring, ST2
8/16/2015	12,352.0	12,354.0	6.0	12	Bone Spring, ST2



Wellbore Schematic

Well Name
MIDNIGHT SUN 2-26-27 005H

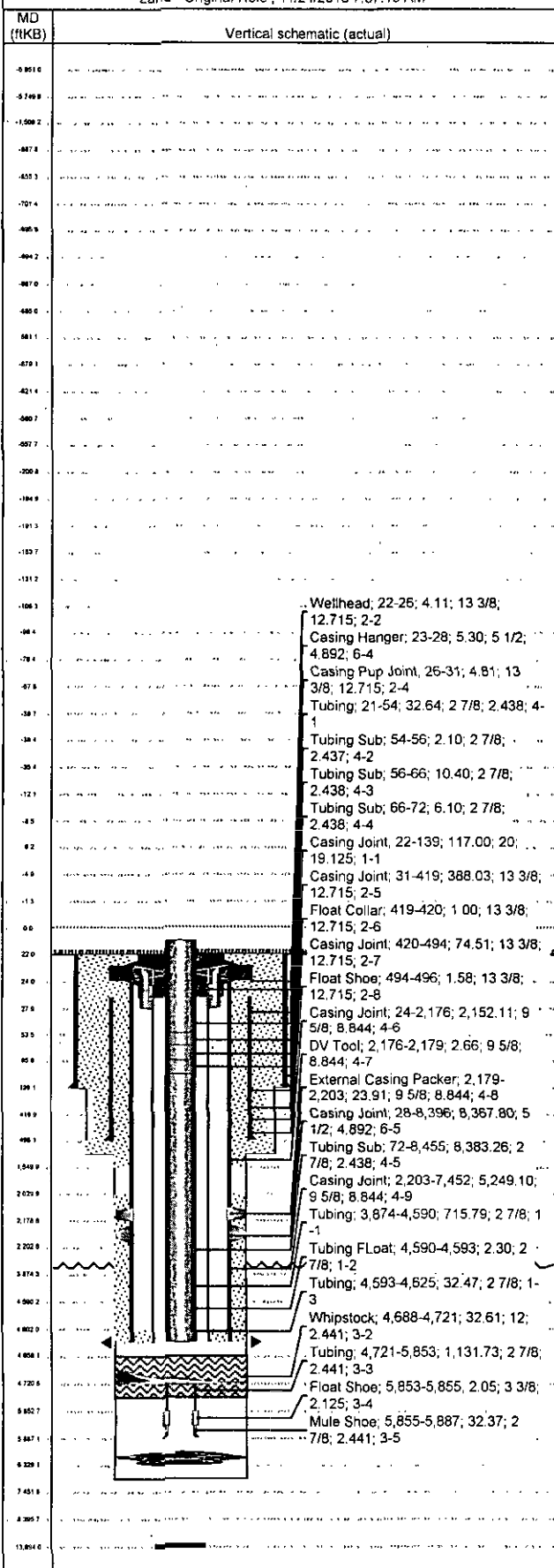
Lease

Field Name
Welch

Business Unit
Mid-Continent

Land - Original Hole, 11/24/2015 7:37:13 AM

Perforations



Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
8/16/2015	12,422.0	12,424.0	6.0	12	Bone Spring, ST2
8/16/2015	12,492.0	12,494.0	6.0	12	Bone Spring, ST2
8/16/2015	12,562.0	12,564.0	6.0	12	Bone Spring, ST2
8/16/2015	12,632.0	12,634.0	6.0	12	Bone Spring, ST2
8/16/2015	12,702.0	12,704.0	6.0	12	Bone Spring, ST2
8/16/2015	12,772.0	12,774.0	6.0	12	Bone Spring, ST2
8/16/2015	12,842.0	12,844.0	6.0	12	Bone Spring, ST2
8/16/2015	12,912.0	12,914.0	6.0	12	Bone Spring, ST2
8/16/2015	12,982.0	12,984.0	6.0	12	Bone Spring, ST2
8/16/2015	13,052.0	13,054.0	6.0	12	Bone Spring, ST2
8/16/2015	13,122.0	13,124.0	6.0	12	Bone Spring, ST2
8/16/2015	13,192.0	13,194.0	6.0	12	Bone Spring, ST2
8/16/2015	13,262.0	13,264.0	6.0	12	Bone Spring, ST2
8/15/2015	13,332.0	13,334.0	6.0	12	Bone Spring, ST2
8/15/2015	13,402.0	13,404.0	6.0	12	Bone Spring, ST2
8/15/2015	13,472.0	13,474.0	6.0	12	Bone Spring, ST2
8/15/2015	13,542.0	13,544.0	6.0	12	Bone Spring, ST2
8/13/2015	13,612.0	13,614.0	6.0	12	Bone Spring, ST2
8/13/2015	13,682.0	13,684.0	6.0	12	Bone Spring, ST2
8/13/2015	13,752.0	13,754.0	6.0	12	Bone Spring, ST2
8/13/2015	13,822.0	13,824.0	6.0	12	Bone Spring, ST2

Other Strings

Run Date	Pull Date	Set Depth (ftKB)	Com

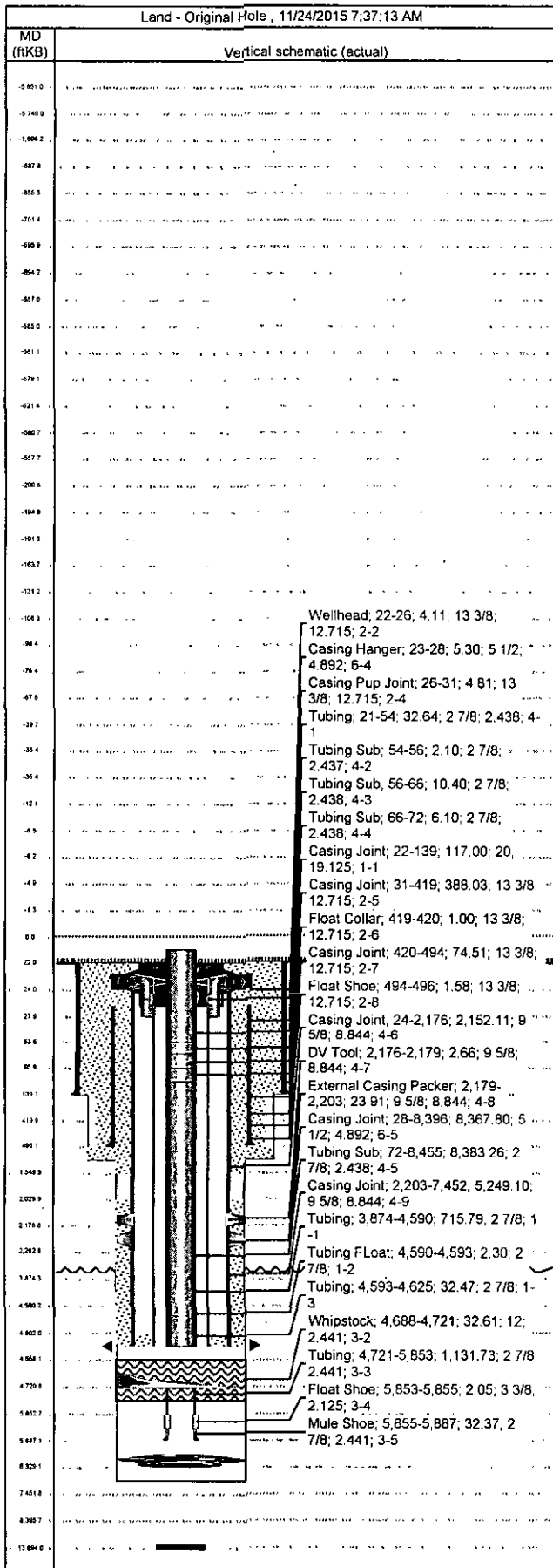
Other In Hole

Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Whipstock	4,622.0		6/26/2015		



Wellbore Schematic

Well Name MIDNIGHT SUN 2-26-27 005H	Lease	Field Name Welch	Business Unit Mid-Continent
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Other In Hole					
Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Fish (ABN)	5,904.0	6,329.0	6/18/2015		12-1/4" MM65DC Security Bit 12514815 7-3/4" Motor 7/8 4.0 1.5 deg 12" Stab 0.166 RPM Pathfinder 7040 12-1/8" Nortrak Stabilizer w/float Pathfinder DR8443 8" XO sub Pathfinder DR26561 8" HDS-1L MWD Tool Pathfinder D80L285K 8" Monel Pathfinder DR14234 8" XO sub Pathinder DR28436 (3) 8" DC Nabors 8" XO sub Nabors (7) 6-1/2" Nabors
Packer	8,456.9	8,464.5	8/27/2015		Baker Hornet
Whipstock	8,489.0	8,522.0			
Composite Frac Plug (drop ball)	9,659.0	9,661.0	8/18/2015	8/19/2015	Stage 16
Composite Frac Plug (drop ball)	9,946.0	9,948.0	8/18/2015	8/19/2015	Stage 15
Composite Frac Plug (drop ball)	10,219.0	10,221.0	8/18/2015	8/19/2015	Stage 14
Composite Frac Plug (drop ball)	10,499.0	10,451.0	8/17/2015	8/19/2015	Stage 13
Composite Frac Plug (drop ball)	10,779.0	10,781.0	8/17/2015	8/19/2015	Stage 12
Composite Frac Plug (drop ball)	11,059.0	11,061.0	8/17/2015	8/19/2015	Stage 11
Composite Frac Plug (drop ball)	11,339.0	11,341.0	8/17/2015	8/19/2015	Stage 10
Composite Frac Plug (drop ball)	11,609.0	11,611.0	8/17/2015	8/19/2015	Stage 9
Composite Frac Plug (drop ball)	11,899.0	11,901.0	8/17/2015	8/19/2015	Stage 8
Composite Frac Plug (drop ball)	12,179.0	12,181.0	8/17/2015	8/19/2015	Stage 7
Fish (CTU)	12,295.0	12,317.0	8/25/2015		Spartan BHA broke BPV sub.
Composite Frac Plug (drop ball)	12,462.0	12,464.0	8/16/2015	8/19/2015	Stage 6
Composite Frac Plug (drop ball)	12,739.0	12,741.0	8/16/2015	8/19/2015	stage 5
Composite Frac Plug (drop ball)	13,019.0	13,021.0	8/16/2015	8/19/2015	stage 4
Composite Frac Plug (drop ball)	13,299.0	13,301.0	8/16/2015	8/19/2015	stage 3
Composite Frac Plug (drop ball)	13,570.0	13,572.0	8/15/2015	8/19/2015	Stage 2

Tubing Summary

Well Name MIDNIGHT SUN 2-26-27 005H	Lease	Field Name Welch	Business Unit Mid-Continent	
Ground Elevation (ft) 3,222.00	Original RKB Elevation (ft) 3,244.00	Current RKB Elevation 3,244.00, 6/5/2015	Mud Line Elevation (ft)	Water Depth (ft)
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 - ST2, 9/1/2015 1:00:00 PM

MD (ftK B)	TVD (ftK B)	Incl (°)	Vertical schematic (actual)
1360.2	-1360.2	0.0	
261.4	-261.4	0.0	
487.6	-487.6	0.0	
476.1	-476.1	0.0	
567.7	-567.7	0.0	
697.3	-697.3	0.0	
746.5	-746.5	0.0	
47.6	-47.6	0.0	
-38.1	-38.1	0.0	
-4.2	-4.2	0.0	
6.6	6.6	0.0	
27.6	27.6	0.3	
678.6	678.6	3.6	
1360.2	1360.2	1.6	
2460.9	2460.9	0.7	
4326.5	4326.5	0.9	
7357.1	7357.1	1.1	
8457.8	8457.8	1.8	
9366.6	9366.6	2.0	
9342.4	9342.4	92.0	
9322.6	9322.6	89.5	
9335.6	9335.6	89.0	
9330.2	9330.2	88.3	
9320.8	9320.8	90.1	
9333.9	9333.9	90.2	
9337.9	9337.9	90.8	
9336.6	9336.6	91.0	
9339.6	9339.6	89.2	
9321.9	9321.9	88.3	
9332.1	9332.1	89.6	
9332.9	9332.9	90.1	
9330.9	9330.9	90.1	
9334.1	9334.1	90.2	
9336.9	9336.9	90.4	
9348.1	9348.1	90.5	
9340.1	9340.1	90.9	
9332.3	9332.3	91.6	
9332.9	9332.9	90.7	
9333.9	9333.9	90.9	
9347.9	9347.9	90.4	
9332.9	9332.9	91.4	
9336.4	9336.4	88.3	
9332.1	9332.1	89.3	

4-1; Tubing; 2 7/8; 2,438; 23;
32.64
4-2; Tubing Sub; 2 7/8; 2,438;
56; 10.40
4-3; Tubing Sub; 2 7/8; 2,438;
68; 6.10
1-1; Tubing; 2 7/8; 3,874;
715.79
4-4; Tubing Sub; 2 7/8; 2,438;
72; 8,383.26
1-2; Tubing Float; 2 7/8;
4,590; 2.30
1-3; Tubing; 2 7/8; 4,593;
32.47
4-5; On-Off Tool; 2 7/8; 8,455;
1.50
3-1; Packer; 4 60; 2,370;
8,457; 7.63
3-2; Tubing; 2 7/8; 2,440;
8,465; 6.10
3-3; XN - Nipple; 3 68; 2,210;
8,471; 1.15
3-4; Tubing; 2 7/8; 2,440;
8,472; 4.10
3-5; Wireline Guide; 3 65;
2,440; 8,476; 0.50

Tubing Strings									
Tubing Description		Planned Run?		Set Depth (MD) (ftKB)			Set Depth (TVD) (ftKB)		
Tubing - Production		N		8,456.9					
Run Date		Run Job		Pull Date			Pull Job		
9/1/2015		Complete, 8/2/2015 09:30							
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
1	Tubing	2 7/8	2.437	6.40	L-80		32.64	23.0	55.6
1	Tubing Sub	2 7/8	2.437	6.40	L-80		10.40	55.6	66.0
1	Tubing Sub	2 7/8	2.437	6.40	L-80		6.10	66.0	72.1
257	Tubing Sub	2 7/8	2.437	6.40	L-80		8,383.2 6	72.1	8,455.4
1	On-Off Tool	2 7/8					1.50	8,455.4	8,456.9

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

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