



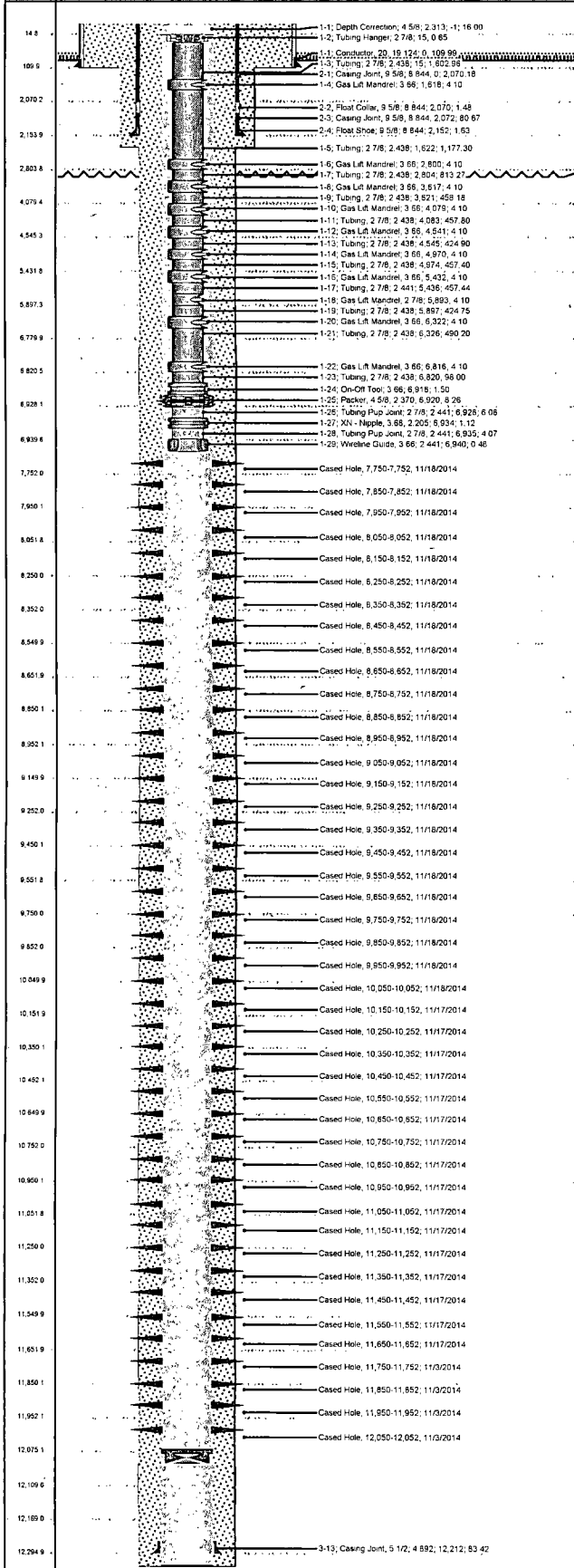
Wellbore Schematic

30-015-42491

Well Name HAYHURST 16-25-27 STATE 003H	Lease Hayhurst 16 Federal	Field Name Wildcat	Business Unit Mid-Continent
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Land: Original Hole: 3/20/2015 1:11:00 PM

MD (ftKB)
Vertical schematic (actual)



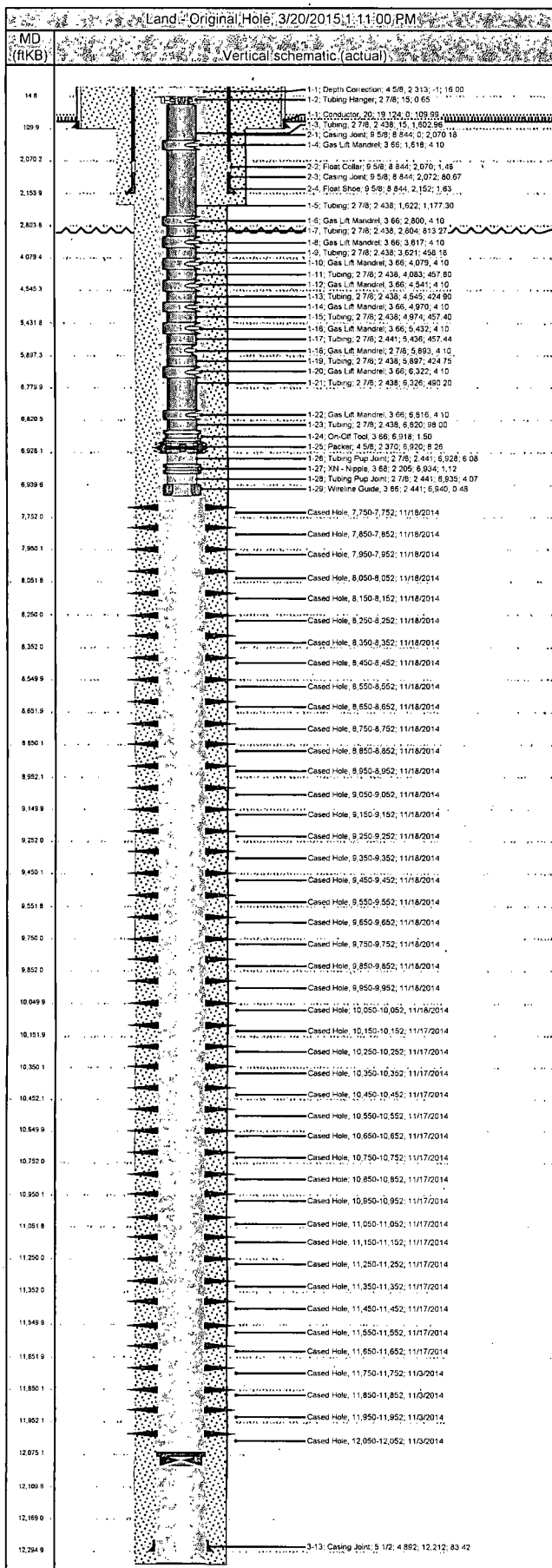
Perforations

Date	Top (ftKB)	Bottom (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
11/18/2014	8,150.0	8,152.0	6.0	9	Bone Spring, Original Hole
11/18/2014	8,250.0	8,252.0	6.0	9	Bone Spring, Original Hole
11/18/2014	8,350.0	8,352.0	6.0	9	Bone Spring, Original Hole
11/18/2014	8,450.0	8,452.0	6.0	9	Bone Spring, Original Hole
11/18/2014	8,550.0	8,552.0	6.0	9	Bone Spring, Original Hole
11/18/2014	8,650.0	8,652.0	6.0	9	Bone Spring, Original Hole
11/18/2014	8,750.0	8,752.0	6.0	9	Bone Spring, Original Hole
11/18/2014	8,850.0	8,852.0	6.0	9	Bone Spring, Original Hole
11/18/2014	8,950.0	8,952.0	6.0	9	Bone Spring, Original Hole
11/18/2014	9,050.0	9,052.0	6.0	9	Bone Spring, Original Hole
11/18/2014	9,150.0	9,152.0	6.0	9	Bone Spring, Original Hole
11/18/2014	9,250.0	9,252.0	6.0	9	Bone Spring, Original Hole
11/18/2014	9,350.0	9,352.0	6.0	9	Bone Spring, Original Hole
11/18/2014	9,450.0	9,452.0	6.0	9	Bone Spring, Original Hole
11/18/2014	9,550.0	9,552.0	6.0	9	Bone Spring, Original Hole
11/18/2014	9,650.0	9,652.0	6.0	9	Bone Spring, Original Hole
11/18/2014	9,750.0	9,752.0	6.0	9	Bone Spring, Original Hole
11/18/2014	9,850.0	9,852.0	6.0	9	Bone Spring, Original Hole
11/18/2014	9,950.0	9,952.0	6.0	9	Bone Spring, Original Hole
11/18/2014	10,050.0	10,052.0	6.0	9	Bone Spring, Original Hole
11/17/2014	10,150.0	10,152.0	6.0	9	Bone Spring, Original Hole
11/17/2014	10,250.0	10,252.0	6.0	9	Bone Spring, Original Hole
11/17/2014	10,350.0	10,352.0	6.0	9	Bone Spring, Original Hole
11/17/2014	10,450.0	10,452.0	6.0	9	Bone Spring, Original Hole
11/17/2014	10,550.0	10,552.0	6.0	9	Bone Spring, Original Hole
11/17/2014	10,650.0	10,652.0	6.0	9	Bone Spring, Original Hole
11/17/2014	10,750.0	10,752.0	6.0	9	Bone Spring, Original Hole
11/17/2014	10,850.0	10,852.0	6.0	9	Bone Spring, Original Hole
11/17/2014	10,950.0	10,952.0	6.0	9	Bone Spring, Original Hole
11/17/2014	11,050.0	11,052.0	6.0	9	Bone Spring, Original Hole
11/17/2014	11,150.0	11,152.0	6.0	9	Bone Spring, Original Hole
11/17/2014	11,250.0	11,252.0	6.0	9	Bone Spring, Original Hole
11/17/2014	11,350.0	11,352.0	6.0	9	Bone Spring, Original Hole
11/17/2014	11,450.0	11,452.0	6.0	9	Bone Spring, Original Hole
11/17/2014	11,550.0	11,552.0	6.0	9	Bone Spring, Original Hole
11/17/2014	11,650.0	11,652.0	6.0	9	Bone Spring, Original Hole
11/3/2014	11,750.0	11,752.0	6.0	9	Bone Spring, Original Hole
11/3/2014	11,850.0	11,852.0	6.0	9	Bone Spring, Original Hole



Wellbore Schematic

Well Name HAYHURST 16-25-27 STATE 003H	Lease Hayhurst 16 Federal	Field Name Wildcat	Business Unit Mid-Continent
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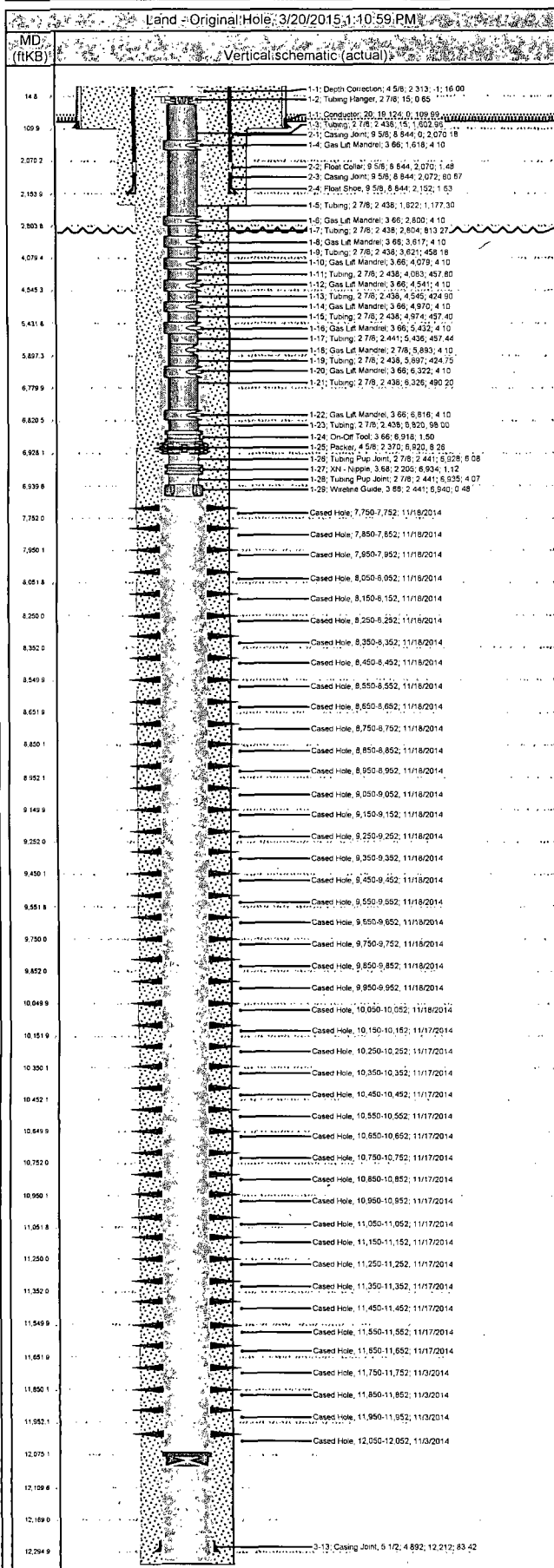


Perforations					
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
11/3/2014	11,950.0	11,952.0	6.0	9	Bone Spring, Original Hole
11/3/2014	12,050.0	12,052.0	6.0	9	Bone Spring, Original Hole
Other Strings					
Run Date	Pull Date	Set Depth (ftKB)	Com		
Other In Hole					
Des	Top (ftKB)	Btm (ftKB)	Run Date	Pull Date	Com
Bridge Plug (retrievable)	1,997.0	2,000.0	9/4/2014	10/31/2014	
Bridge Plug (Permanent) OBSIDIAN	8,100.0	8,102.0	11/18/2014	11/19/2014	STAGE 11- OBSIDIAN LOOSE BALL FRAC PLUG
Bridge Plug (Permanent) OBSIDIAN	8,500.0	8,502.0	11/18/2014	11/19/2014	STAGE 10- OBSIDIAN LOOSE BALL FRAC PLUG
Bridge Plug (Permanent) OBSIDIAN	8,900.0	8,902.0	11/18/2014	11/20/2014	STAGE 9- OBSIDIAN LOOSE BALL FRAC PLUG
Bridge Plug (Permanent) OBSIDIAN	9,304.0	9,306.0	11/18/2014	11/20/2014	STAGE 8- OBSIDIAN LOOSE BALL FRAC PLUG - SET 4 FT LOWER DUE TO COLLAR
Bridge Plug (Permanent) OBSIDIAN	9,700.0	9,702.0	11/18/2014	11/20/2014	STAGE 7- OBSIDIAN LOOSE BALL FRAC PLUG
Bridge Plug (Permanent) OBSIDIAN	10,100.0	10,102.0	11/18/2014	11/20/2014	STAGE 6- OBSIDIAN LOOSE BALL FRAC PLUG
Bridge Plug (Permanent) OBSIDIAN	10,500.0	10,502.0	11/17/2014	11/20/2014	STAGE 5- OBSIDIAN LOOSE BALL FRAC PLUG
Bridge Plug (Permanent) Obsidian	10,900.0	10,902.0	11/17/2014	11/20/2014	Stage 4 - Obsidian Pump Thru
Bridge Plug (Permanent) Obsidian	11,306.0	11,308.0	11/17/2014	11/20/2014	Stage 3 - Obsidian Pump Thru - Set 6 ft lower due to collar
Bridge Plug (Permanent) Obsidian	11,700.0	11,702.0	11/17/2014	11/20/2014	Stage 2 - Obsidian Pump Thru
Bridge Plug (Permanent)	12,075.0	12,077.0	11/3/2014		Alpha Big Boy CIBP set at 12, 075' on 11/3/14.



Wellbore Schematic

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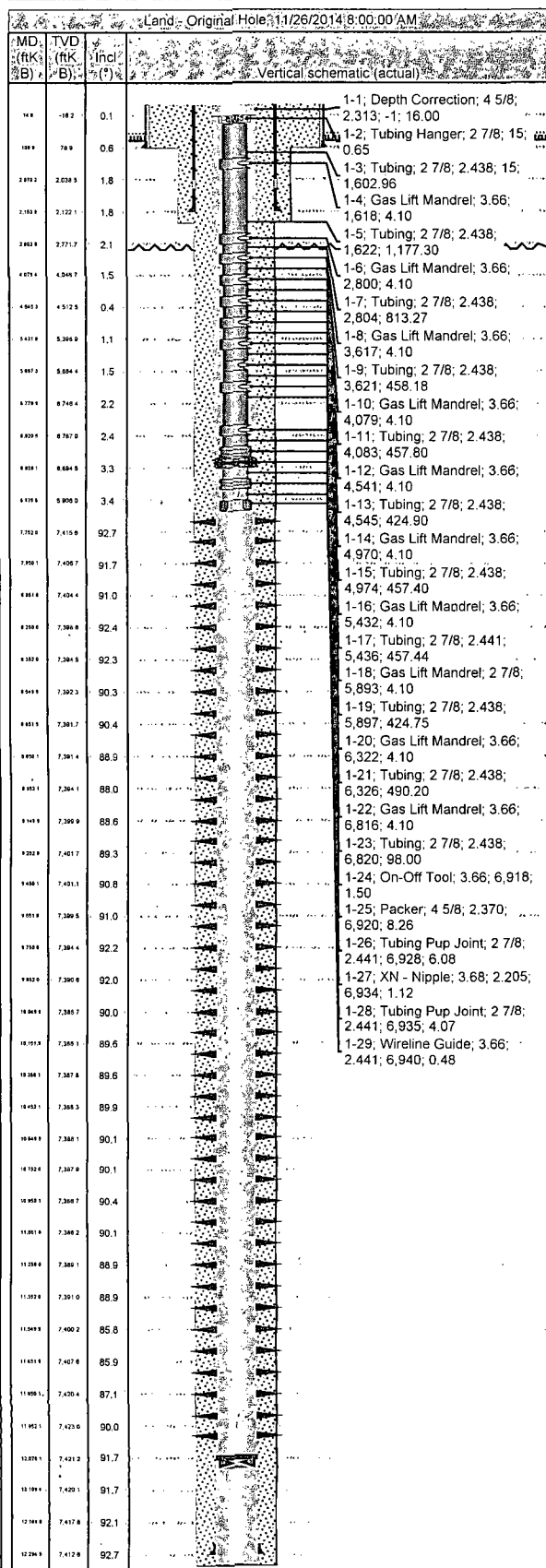


Job Details						
Job Category		Start Date		Release Date		
Completion		10/23/2014		10/23/2014		
Completion		10/31/2014		11/1/2014		
Completion		11/1/2014		11/2/2014		
Completion		11/2/2014		11/3/2014		
Completion		11/3/2014		11/15/2014		
Completion		11/15/2014		11/19/2014		
Completion		11/19/2014		11/20/2014		
Completion		11/20/2014		11/24/2014		
Completion		11/25/2014		11/26/2014		
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)	
Conductor	20				110	
Surface	9 5/8	40.00	HCK-55		2,154	
Production Casing	5 1/2	17.00	P-110		12,295	
Tubing Strings						
Tubing - Production set at 6,940.0ftKB on 11/26/2014 08:00						
Tubing Description		Run Date	String Length (ft)	Set Depth (MD) (ftKB)		
Tubing - Production		11/26/2014	6,941.36	6,940.0		
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Depth Correction	1	4 5/8			16.00	14.6
Tubing Hanger	1	2 7/8			0.65	15.3
Tubing	49	2 7/8	6.50	L-80	1,602.96	1,618.3
Gas Lift Mandrel	1	3.66			4.10	1,622.4
Tubing	36	2 7/8	6.50	L-80	1,177.30	2,799.7
Gas Lift Mandrel	1	3.66			4.10	2,803.8
Tubing	25	2 7/8	6.50	L-80	813.27	3,617.0
Gas Lift Mandrel	1	3.66			4.10	3,621.1
Tubing	14	2 7/8	6.50	L-80	458.18	4,079.3
Gas Lift Mandrel	1	3.66			4.10	4,083.4
Tubing	14	2 7/8	6.50	L-80	457.80	4,541.2
Gas Lift Mandrel	1	3.66			4.10	4,545.3
Tubing	13	2 7/8	6.50	L-80	424.90	4,970.2
Gas Lift Mandrel	1	3.66			4.10	4,974.3
Tubing	14	2 7/8	6.50	L-80	457.40	5,431.7
Gas Lift Mandrel	1	3.66			4.10	5,435.8
Tubing	14	2 7/8	6.50	N-80	457.44	5,893.2
Gas Lift Mandrel	1	2 7/8			4.10	5,897.3
Tubing	13	2 7/8	6.50	L-80	424.75	6,322.1
Gas Lift Mandrel	1	3.66			4.10	6,326.2
Tubing	15	2 7/8	6.50	L-80	490.20	6,816.4
Gas Lift Mandrel	1	3.66			4.10	6,820.5
Tubing	3	2 7/8	6.50	L-80	98.00	6,918.5
On-Off Tool	1	3.66			1.50	6,920.0
Packer	1	4 5/8			8.26	6,928.3
Tubing Pup Joint	1	2 7/8	6.50	L80	6.08	6,934.3
XN - Nipple	1	3.68			1.12	6,935.5
Tubing Pup Joint	1	2 7/8	6.50	L80	4.07	6,939.5
Wireline Guide	1	3.66			0.48	6,940.0
		3.66				6,940.0
Perforations						
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion	
11/18/2014	7,750.0	7,752.0	6.0	9	Bone Spring, Original Hole	
11/18/2014	7,850.0	7,852.0	6.0	9	Bone Spring, Original Hole	
11/18/2014	7,950.0	7,952.0	6.0	9	Bone Spring, Original Hole	
11/18/2014	8,050.0	8,052.0	6.0	9	Bone Spring, Original Hole	



Tubing Summary

Well Name HAYHURST 16-25-27 STATE 003H	Lease Hayhurst 16 Federal	Field Name Wildcat	Business Unit Mid-Continent	
Ground Elevation (ft) 3,219.00	Original RKB Elevation (ft) 3,250.00	Current RKB Elevation 3,250.00, 7/30/2014	Mud Line Elevation (ft)	Water Depth (ft)
Current KB to Ground (ft) 31.00	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)	

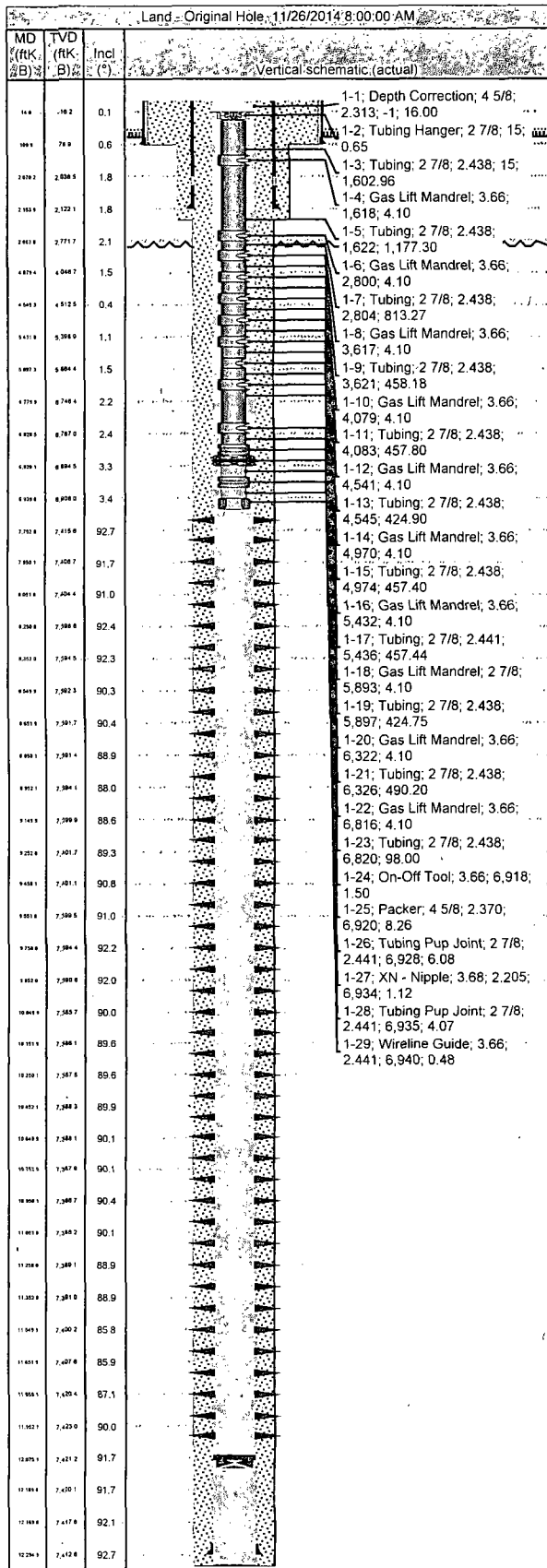


Tubing Strings									
Tubing Description		Planned Run?		Set Depth (MD) (ftKB)		Set Depth (TVD) (ftKB)			
Tubing - Production		N		6,940.0		6,906.4			
Run Date		Run Job		Pull Date		Pull Job			
11/26/2014		Complete, 10/23/2014 06:00							
Qts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Bot (ftKB)
1	Depth Correction	4 5/8	2.313				16.00	-1.4	14.6
1	Tubing Hanger	2 7/8					0.65	14.6	15.3
49	Tubing	2 7/8	2.437	6.50	L-80		1,602.96	15.3	1,618.3
1	Gas Lift Mandrel	3.66					4.10	1,618.3	1,622.4
36	Tubing	2 7/8	2.437	6.50	L-80		1,177.30	1,622.4	2,799.7
1	Gas Lift Mandrel	3.66					4.10	2,799.7	2,803.8
25	Tubing	2 7/8	2.437	6.50	L-80		813.27	2,803.8	3,617.0
1	Gas Lift Mandrel	3.66					4.10	3,617.0	3,621.1
14	Tubing	2 7/8	2.437	6.50	L-80		458.18	3,621.1	4,079.3
1	Gas Lift Mandrel	3.66					4.10	4,079.3	4,083.4
14	Tubing	2 7/8	2.437	6.50	L-80		457.80	4,083.4	4,541.2
1	Gas Lift Mandrel	3.66					4.10	4,541.2	4,545.3
13	Tubing	2 7/8	2.437	6.50	L-80		424.90	4,545.3	4,970.2
1	Gas Lift Mandrel	3.66					4.10	4,970.2	4,974.3
14	Tubing	2 7/8	2.437	6.50	L-80		457.40	4,974.3	5,431.7
1	Gas Lift Mandrel	3.66					4.10	5,431.7	5,435.8
14	Tubing	2 7/8	2.441	6.50	N-80		457.44	5,435.8	5,893.2
1	Gas Lift Mandrel	2 7/8					4.10	5,893.2	5,897.3
13	Tubing	2 7/8	2.437	6.50	L-80		424.75	5,897.3	6,322.1
1	Gas Lift Mandrel	3.66					4.10	6,322.1	6,326.2
15	Tubing	2 7/8	2.437	6.50	L-80		490.20	6,326.2	6,816.4
1	Gas Lift Mandrel	3.66					4.10	6,816.4	6,820.5
3	Tubing	2 7/8	2.437	6.50	L-80		98.00	6,820.5	6,918.5
1	On-Off Tool	3.66					1.50	6,918.5	6,920.0
1	Packer	4 5/8	2.370				8.26	6,920.0	6,928.3
1	Tubing Pup Joint	2 7/8	2.441	6.50	L80		6.08	6,928.3	6,934.3
1	XN - Nipple	3.68	2.205				1.12	6,934.3	6,935.5



Tubing Summary

Well Name HAYHURST 16-25-27 STATE 003H	Lease Hayhurst 16 Federal	Field Name Wildcat	Business Unit Mid-Continent	
Ground Elevation (ft) 3,219.00	Original RKB Elevation (ft) 3,250.00	Current RKB Elevation 3,250.00, 7/30/2014	Mud Line Elevation (ft)	Water Depth (ft)
Current KB to Ground (ft) 31.00	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)	



Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
1	Tubing Pup Joint	2 7/8	2.441	6.50	L80		4.07	6,935.5	6,939.5
1	Wireline Guide	3.66	2.441				0.48	6,939.5	6,940.0
		3.66						6,940.0	6,940.0

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)