



Directional Survey Data

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NOV 05 2015



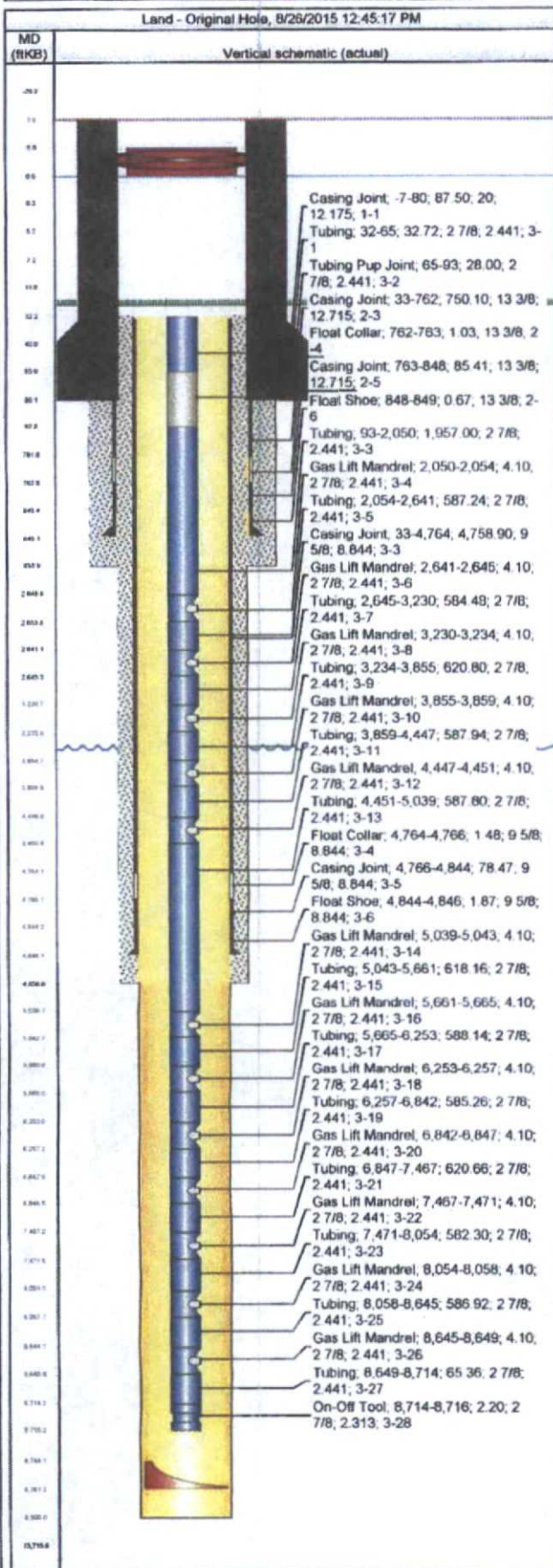
Directional Survey Data

Survey Company	Date	MD (m)	TVD (m)	Ind (°)	Actn (°)	VS (m)	NS (m)	EIV (m)	DLS (°/100m)	Basil (°/100m)	Turn (°/100m)
Phoenix Directional	1/12/2015	10.420	9,193.74	91.64	0.78	1,697.25	1,749.06	-268.31	1.55	1.44	0.58
Phoenix Directional	1/12/2015	10.516	9,191.88	90.67	359.44	1,792.39	1,845.04	-268.13	1.56	-0.91	373.60
Phoenix Directional	1/13/2015	10.611	9,182.02	89.16	359.49	1,888.40	1,940.03	-269.01	1.59	-1.59	0.05
Phoenix Directional	1/13/2015	10.706	9,192.51	90.25	359.68	1,980.45	2,035.03	-269.70	1.16	1.15	0.05
Phoenix Directional	1/13/2015	10.801	9,191.83	90.45	359.36	2,074.48	2,130.02	-270.50	0.40	0.21	-0.34
Phoenix Directional	1/13/2015	10.896	9,193.62	87.51	358.47	2,168.33	2,224.98	-272.30	3.23	-3.09	-0.94
Phoenix Directional	1/13/2015	10.992	9,197.98	87.29	357.84	2,262.90	2,320.83	-275.38	0.69	-0.23	-0.66
Phoenix Directional	1/13/2015	11.087	9,200.38	89.81	357.99	2,356.48	2,415.73	-278.84	2.66	2.65	0.16
Phoenix Directional	1/13/2015	11.182	9,200.62	89.91	357.71	2,450.08	2,510.66	-282.40	0.31	0.11	-0.29
Phoenix Directional	1/13/2015	11.277	9,199.85	91.01	358.32	2,543.72	2,605.60	-285.69	1.32	1.16	0.64
Phoenix Directional	1/13/2015	11.372	9,200.99	89.39	358.50	2,637.46	2,700.56	-288.33	1.72	-1.71	0.19
Phoenix Directional	1/13/2015	11.468	9,202.56	88.86	358.48	2,732.21	2,788.51	-293.39	0.55	-0.55	-0.02
Phoenix Directional	1/13/2015	11.563	9,204.14	88.86	358.85	2,825.97	2,881.47	-293.39	0.40	0.40	-0.02
Phoenix Directional	1/13/2015	11.658	9,206.66	88.13	359.07	2,919.77	2,986.43	-295.62	0.57	-0.40	0.41
Phoenix Directional	1/13/2015	11.754	9,208.82	88.60	359.04	3,014.62	3,082.38	-297.37	0.79	-0.76	0.23
Phoenix Directional	1/13/2015	11.849	9,209.37	90.86	359.96	3,108.50	3,177.33	-298.93	0.50	0.49	-0.03
Phoenix Directional	1/13/2015	12.039	9,210.17	89.30	359.81	3,202.52	3,272.31	-299.76	2.57	2.36	0.97
Phoenix Directional	1/13/2015	12.134	9,210.17	90.11	359.77	3,296.63	3,367.31	-299.95	1.85	-1.64	-0.16
Phoenix Directional	1/13/2015	12.230	9,207.64	92.91	359.76	3,390.72	3,462.31	-300.30	0.85	0.85	-0.04
Phoenix Directional	1/14/2015	12.325	9,201.87	94.06	0.15	3,485.76	3,558.26	-300.69	2.92	2.92	-0.01
Phoenix Directional	1/14/2015	12.420	9,195.22	93.97	359.81	3,579.71	3,653.09	-300.77	1.28	1.21	-378.54
Phoenix Directional	1/14/2015	12.515	9,187.28	95.62	0.70	3,673.62	3,747.85	-300.80	0.37	-0.09	378.69
Phoenix Directional	1/14/2015	12.610	9,178.39	95.12	0.26	3,767.48	3,842.92	-300.38	1.97	1.74	-378.01
Phoenix Directional	1/14/2015	12.706	9,172.00	92.51	359.80	3,861.31	3,937.09	-299.59	0.70	-0.53	-0.46
Phoenix Directional	1/14/2015	12.801	9,169.87	90.06	0.27	3,956.23	4,032.87	-299.54	2.76	-2.72	374.52
Phoenix Directional	1/14/2015	12.896	9,170.22	89.52	0.55	4,050.35	4,127.84	-298.48	2.63	-2.58	-378.45
Phoenix Directional	1/14/2015	13.087	9,173.95	88.24	1.76	4,144.58	4,222.84	-298.80	0.64	-0.57	0.29
Phoenix Directional	1/14/2015	13.182	9,176.69	88.46	1.33	4,238.69	4,313.76	-294.95	0.92	-0.67	0.63
Phoenix Directional	1/14/2015	13.278	9,178.39	89.50	0.27	4,334.28	4,413.68	-292.39	0.51	0.23	-0.45
Phoenix Directional	1/14/2015	13.373	9,179.30	89.41	1.41	4,428.69	4,508.68	-289.05	1.55	1.08	-1.10
Phoenix Directional	1/14/2015	13.468	9,179.21	90.70	2.67	4,518.29	4,604.65	-289.86	1.20	-0.09	1.20
Phoenix Directional	1/14/2015	13.563	9,176.70	92.92	2.35	4,612.82	4,699.64	-286.28	1.90	1.36	1.33
Phoenix Directional	1/14/2015	13.659	9,172.50	92.34	2.18	4,704.57	4,794.57	-282.12	1.74	1.71	-0.34
Phoenix Directional	1/14/2015	13.754	9,168.81	93.19	1.94	4,807.40	4,899.45	-278.33	2.07	-2.06	-0.18
Phoenix Directional	1/15/2015	13.836	9,165.75	93.19	1.94	4,902.93	4,995.34	-273.97	2.02	1.79	0.95
Phoenix Directional	1/15/2015	13.890	9,165.75	93.19	1.94	4,997.53	5,090.22	-270.42	2.00	1.42	-1.41
Phoenix Directional	1/15/2015	13.990	9,165.75	93.19	1.94	5,092.11	5,185.05	-268.57	0.00	0.00	0.00



Wellbore Schematic

Well Name SALADO DRAW 18-26-33 FED 003H	Lease Salado Draw 18-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
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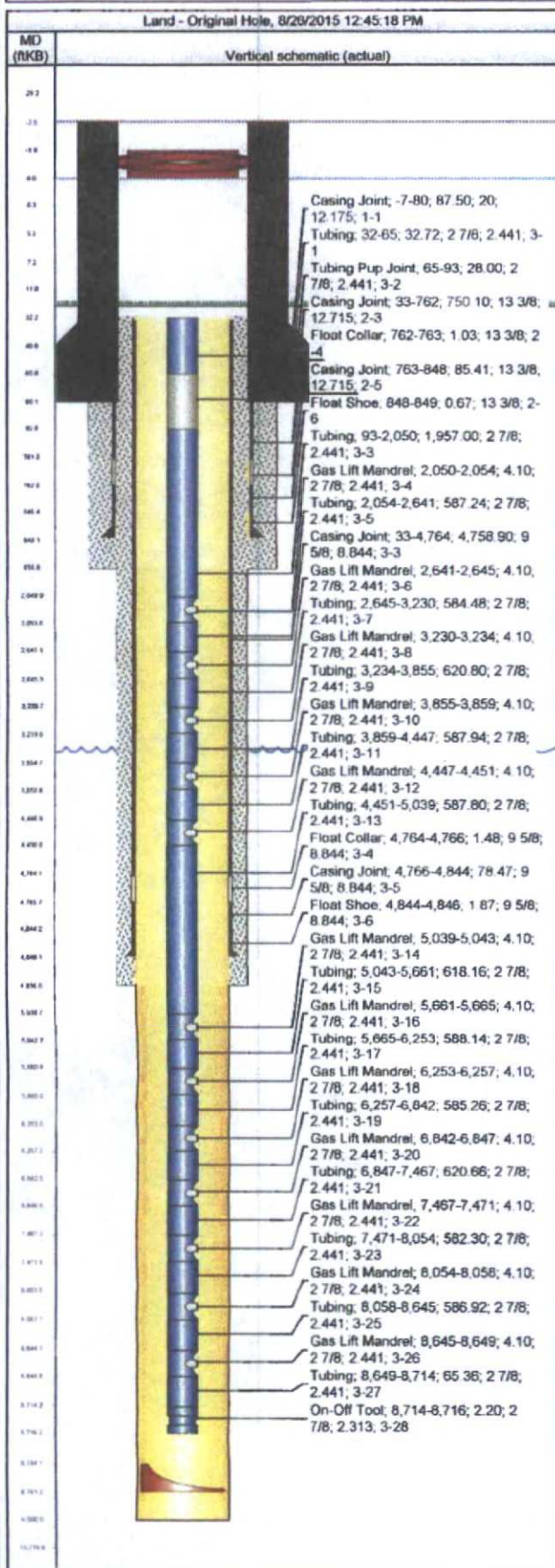


Job Details		Start Date		Rig/Unit End Date			
Completion		3/25/2015		3/29/2015			
Completion		3/29/2015		3/30/2015			
Completion		3/30/2015		4/14/2015			
Completion		4/14/2015		4/26/2015			
Completion		4/15/2015		4/26/2015			
Completion		4/30/2015		5/3/2015			
Completion		5/3/2015		5/8/2015			
Completion		5/8/2015		5/9/2015			
Completion		5/9/2015		5/20/2015			
Completion		5/20/2015		5/22/2015			
Completion		6/11/2015		6/12/2015			
Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)		
Conductor	20	87.50	K-55		80		
Surface	13 3/8	48.00	H-40	ST&C	849		
Intermediate Casing 1	9 5/8	40.00	HCK-55	LT&C	4,846		
Production Casing	5 1/2	17.00	HCP-110	CDC	13,879		
Tubing Strings							
Tubing set at 8,740.0ftKB on 5/8/2015 15:41							
Tubing Description		Run Date		String Length (ft)		Set Depth (MD) (ftKB)	
Tubing		5/8/2015		21.89		8,740.0	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)	
X-Nipple	0	3.117			1.85	8,720.0	
Packer	0	4.6			6.50	8,726.5	
Cross Over	1	3.646			1.06	8,727.5	
Tubing Pup Joint	1	2 7/8	6.50	L-80	6.53	8,734.1	
XN - Nipple	1	3.28			1.20	8,735.3	
Tubing Pup Joint	1	2 7/8	6.50	L-80	4.00	8,739.3	
Wireline Guide	1	3.68			0.75	8,740.0	
Tubing - Production set at 8,716.3ftKB on 6/11/2015 15:00							
Tubing Description		Run Date		String Length (ft)		Set Depth (MD) (ftKB)	
Tubing - Production		6/11/2015		8,684.18		8,716.3	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)	
Tubing	1	2 7/8	6.50	L-80	32.72	64.8	
Tubing Pup Joint	4	2 7/8	6.50	L-80	28.00	92.8	
Tubing	60	2 7/8	6.50	L-80	1,957.00	2,049.8	
Gas Lift Mandrel	1	2 7/8			4.10	2,053.9	
Tubing	18	2 7/8	6.50	L-80	587.24	2,641.2	
Gas Lift Mandrel	1	2 7/8			4.10	2,645.3	
Tubing	18	2 7/8	6.50	L-80	584.48	3,229.8	
Gas Lift Mandrel	1	2 7/8			4.10	3,233.9	
Tubing	19	2 7/8	6.50	L-80	620.80	3,854.7	
Gas Lift Mandrel	1	2 7/8			4.10	3,858.8	
Tubing	18	2 7/8	6.50	L-80	587.94	4,446.7	
Gas Lift Mandrel	1	2 7/8			4.10	4,450.8	
Tubing	18	2 7/8	6.50	L-80	587.80	5,038.6	
Gas Lift Mandrel	1	2 7/8			4.10	5,042.7	
Tubing	19	2 7/8	6.50	L-80	618.16	5,660.9	
Gas Lift Mandrel	1	2 7/8			4.10	5,665.0	
Tubing	18	2 7/8	6.50	L-80	588.14	6,253.1	
Gas Lift Mandrel	1	2 7/8			4.10	6,257.2	
Tubing	18	2 7/8	6.50	L-80	585.26	6,842.5	
Gas Lift Mandrel	1	2 7/8			4.10	6,846.6	
Tubing	19	2 7/8	6.50	L-80	620.66	7,467.2	
Gas Lift Mandrel	1	2 7/8			4.10	7,471.3	
Tubing	18	2 7/8	6.50	L-80	582.30	8,053.6	



Wellbore Schematic

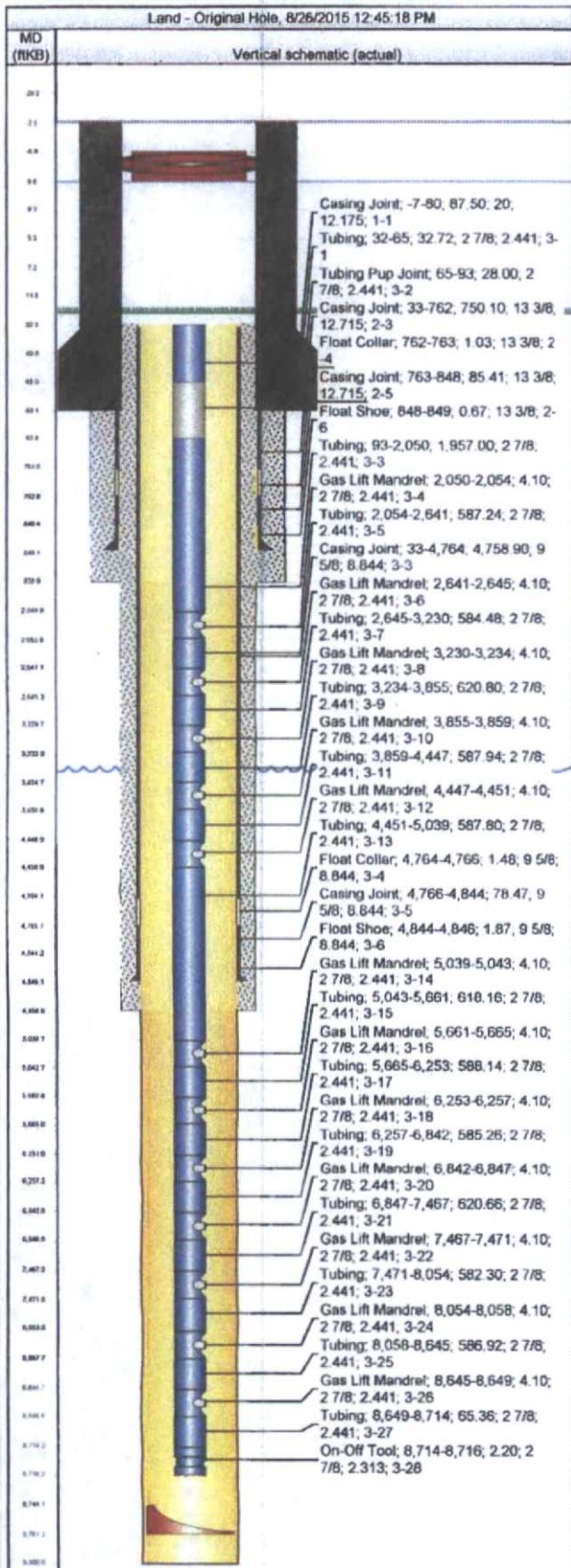
Well Name SALADO DRAW 18-26-33 FED 003H	Lease Salado Draw 18-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
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Perforations					
Date	Top (ftKB)	Botm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
4/18/2015	12,796.0	12,798.0	6.0	12	Bone Spring, Original Hole
4/18/2015	12,850.0	12,852.0	6.0	12	Bone Spring, Original Hole
4/18/2015	12,904.0	12,906.0	6.0	12	Bone Spring, Original Hole
4/17/2015	12,958.0	12,959.0	6.0	6	Bone Spring, Original Hole
4/17/2015	13,012.0	13,013.0	6.0	6	Bone Spring, Original Hole
4/17/2015	13,066.0	13,068.0	6.0	12	Bone Spring, Original Hole
4/17/2015	13,120.0	13,122.0	6.0	12	Bone Spring, Original Hole
4/17/2015	13,174.0	13,176.0	6.0	12	Bone Spring, Original Hole
4/16/2015	13,228.0	13,229.0	6.0	6	Bone Spring, Original Hole
4/16/2015	13,282.0	13,283.0	6.0	6	Bone Spring, Original Hole
4/16/2015	13,336.0	13,338.0	6.0	12	Bone Spring, Original Hole
4/16/2015	13,390.0	13,392.0	6.0	12	Bone Spring, Original Hole
4/16/2015	13,444.0	13,446.0	6.0	12	Bone Spring, Original Hole
3/30/2015	13,498.0	13,499.0	6.0	6	Bone Spring, Original Hole
3/30/2015	13,552.0	13,553.0	6.0	6	Bone Spring, Original Hole
3/30/2015	13,606.0	13,608.0	6.0	12	Bone Spring, Original Hole
3/30/2015	13,660.0	13,662.0	6.0	12	Bone Spring, Original Hole
3/30/2015	13,705.0	13,707.0	6.0	12	Bone Spring, Original Hole

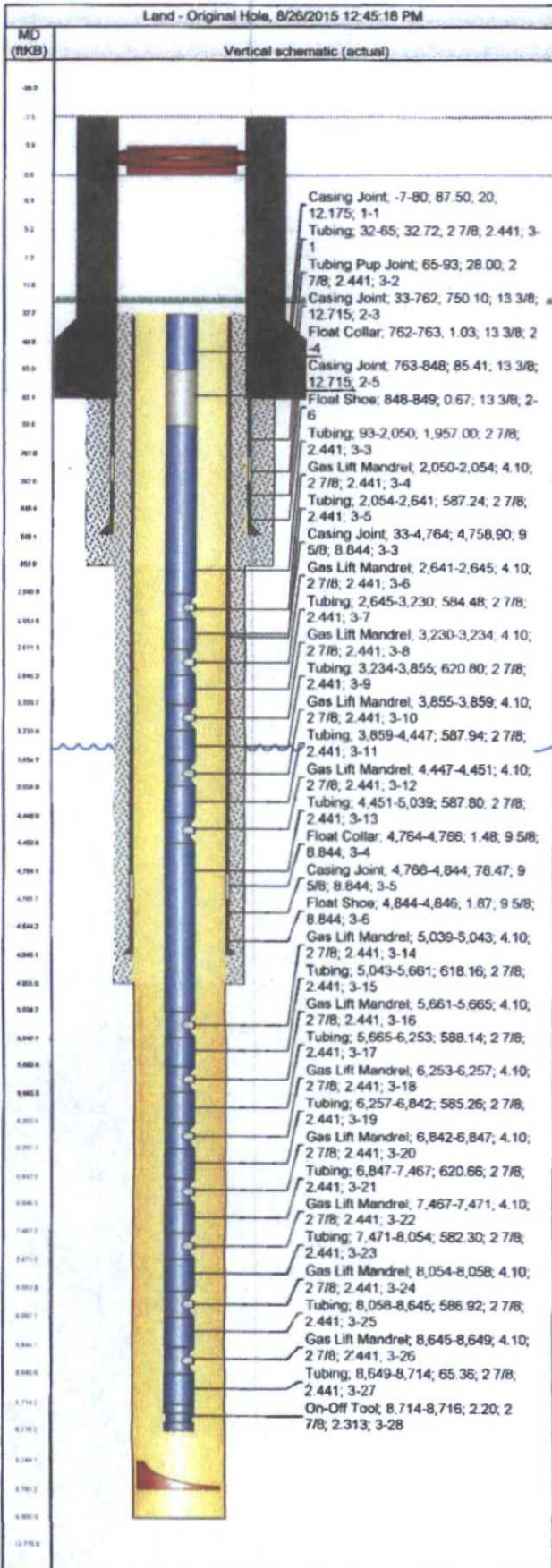
Other Strings			
Run Date	Pull Date	Set Depth (ftKB)	Com

Other In Hole					
Des	Top (ftKB)	Botm (ftKB)	Run Date	Pull Date	Com
Whipstock	8,744.0	8,761.0	1/6/2015		
Composite Frac Plug (drop ball)	9,691.0	9,693.0	4/24/2015	5/1/2015	Stage 16
Composite Frac Plug (drop ball)	9,961.0	9,963.0	4/24/2015	5/1/2015	Stage 15
Composite Frac Plug (drop ball)	10,231.0	10,233.0	4/23/2015	5/1/2015	Stage 14
Composite Frac Plug (drop ball)	10,501.0	10,503.0	4/23/2015	5/2/2015	Stage 13
Composite Frac Plug (drop ball)	10,771.0	10,773.0	4/22/2015	5/2/2015	Stage 12
Composite Frac Plug (drop ball)	11,041.0	11,043.0	4/22/2015	5/2/2015	Stage 11
Composite Frac Plug (drop ball)	11,311.0	11,313.0	4/21/2015	5/2/2015	Stage 10
Composite Frac Plug (drop ball)	11,581.0	11,583.0	4/20/2015	5/2/2015	Frac Stimulation
Composite Frac Plug (drop ball)	11,851.0	11,852.0	4/20/2015	5/2/2015	Frac Stimulation



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Other In Hole					
Des	Top (ftKB)	Bot (ftKB)	Run Date	Pull Date	Com
Composite Frac Plug (drop ball)	12,121.0	12,122.0	4/19/2015	5/2/2015	Frac Stimulation
Composite Frac Plug (drop ball)	12,391.0	12,392.5	4/19/2015	5/2/2015	Frac Stimulation
Composite Frac Plug (drop ball)	12,661.0	12,662.5	4/18/2015	5/2/2015	Frac Stimulation
Composite Frac Plug (drop ball)	12,931.0	12,933.0	4/18/2015	5/2/2015	Frac Stimulation
Composite Frac Plug (drop ball)	13,201.0	13,203.0	4/17/2015	5/3/2015	Frac Stimulation
Composite Frac Plug (drop ball)	13,471.0	13,473.0	4/16/2015	5/3/2015	Frac Stimulation