



Directional Survey

HOBBS OGD
SEP 28 2015

30-025-42281

RECEIVED

Well Name SALADO DRAW 19-26-33 FED 004H		Lease Salado Draw 19-26-33 Fed		Field Name WILDCAT (HOBBS)		Business Unit Mid-Continent	
Ground Elevation (ft) 3,189.00	Original RKB (ft) 3,216.00	Current RKB Elevation 3,221.60, 2/28/2015		Mud Line Elevation (ft)		Water Depth (ft)	

Wellbore Name Original Hole		Parent Wellbore Original Hole		Kick Off Depth (ftKB) 3,608		Vertical Section Direction (°) 7.39	
UTM Northing (Y) (ft)			UTM Easting (X) (ft)			UTM Grid Zone	
Date 2/28/2015		Definitive? Y		Description MWD		Planned? N	
MD Tie In (ftKB) 0.00	TVD Tie In (ftKB) 0.00	Inclination Tie In (°) 0.00	Azimuth Tie In (°) 0.00	NSTie In (ft) 0.00	EW Tie In (ft) 0.00		

Survey Data													
MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unuse d data
153	0.12	91.51	153.00	0.00	0.16	0.02	0.08	Magn MWD		0.08	0.16	59.81	N
317	0.20	66.01	317.00	0.11	0.59	0.18	0.06	Magn MWD		0.05	0.60	-15.55	N
506	0.30	98.81	506.00	0.17	1.38	0.34	0.09	Magn MWD		0.05	1.39	17.35	N
691	0.30	47.69	691.00	0.42	2.22	0.70	0.14	Magn MWD		0.00	2.26	-27.63	N
786	0.30	30.74	785.99	0.80	2.53	1.12	0.09	Magn MWD		0.00	2.65	-17.84	N
859	0.30	23.81	858.99	1.14	2.71	1.48	0.05	Extrap.		0.00	2.94	-9.49	N
882	0.20	47.31	881.99	1.22	2.76	1.57	0.61	Magn MWD		-0.43	3.02	102.17	N
1,072	0.17	231.15	1,071.99	1.27	2.78	1.62	0.19	Magn MWD		-0.02	3.06	96.76	N
1,263	0.13	238.48	1,262.99	0.98	2.38	1.28	0.02	Magn MWD		-0.02	2.57	3.84	N
1,453	0.23	251.26	1,452.99	0.74	1.83	0.97	0.06	Magn MWD		0.05	1.98	6.73	N
1,644	0.35	262.02	1,643.99	0.54	0.89	0.65	0.07	Magn MWD		0.06	1.04	5.63	N
1,834	0.45	267.89	1,833.98	0.43	-0.43	0.37	0.06	Magn MWD		0.05	0.61	3.09	N
2,025	0.79	274.71	2,024.97	0.51	-2.49	0.19	0.18	Magn MWD		0.18	2.54	3.57	N
2,216	0.74	272.70	2,215.96	0.68	-5.03	0.02	0.03	Magn MWD		-0.03	5.08	-1.05	N
2,407	0.82	267.81	2,406.94	0.68	-7.63	-0.30	0.05	Magn MWD		0.04	7.66	-2.56	N
2,597	0.68	265.34	2,596.92	0.54	-10.11	-0.77	0.08	Magn MWD		-0.07	10.13	-1.30	N
2,788	0.45	137.19	2,787.92	-0.10	-10.73	-1.48	0.53	Magn MWD		-0.12	10.73	-67.09	N
2,978	0.72	117.22	2,977.91	-1.20	-9.16	-2.37	0.18	Magn MWD		0.14	9.24	-10.51	N
3,168	0.72	112.47	3,167.89	-2.20	-7.00	-3.08	0.03	Magn MWD		0.00	7.34	-2.50	N
3,359	1.19	105.60	3,358.86	-3.19	-3.98	-3.68	0.25	Magn MWD		0.25	5.10	-3.60	N
3,550	2.41	88.78	3,549.77	-3.64	1.94	-3.36	0.69	Magn MWD		0.64	4.13	-8.81	N
3,741	4.15	69.18	3,740.45	-1.10	12.42	0.51	1.07	Magn MWD		0.91	12.47	-10.26	N
3,931	4.09	37.02	3,929.99	6.76	22.93	9.65	1.20	Magn MWD		-0.03	23.90	-16.93	N
4,122	4.44	42.22	4,120.46	17.67	32.00	21.64	0.27	Magn MWD		0.18	36.55	2.72	N
4,312	4.83	42.89	4,309.84	28.98	42.38	34.19	0.21	Magn MWD		0.21	51.34	0.35	N
4,503	4.18	30.43	4,500.25	40.87	51.38	47.14	0.61	Magn MWD		-0.34	65.66	-6.52	N



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Survey Data

MD (ftKB)	Incl (")	Azm (")	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)	Method	Survey Company	Build (°/100ft)	Depart (ft)	Turn (°/100ft)	Unuse d data
4,652	4.44	20.79	4,648.83	50.95	56.18	57.75	0.52	Magn MWD		0.17	75.84	-6.47	N
4,805	4.44	18.40	4,801.37	62.10	60.15	69.32	0.12	Magn MWD		0.00	86.46	-1.56	N
4,995	4.47	22.87	4,990.80	75.90	65.35	83.68	0.18	Magn MWD		0.02	100.16	2.35	N
5,185	4.32	23.03	5,180.24	89.31	71.03	97.70	0.08	Magn MWD		-0.08	114.11	0.08	N
5,376	4.00	34.74	5,370.74	101.41	77.64	110.55	0.47	Magn MWD		-0.17	127.71	6.13	N
5,567	3.87	34.58	5,561.29	112.19	85.09	122.20	0.07	Magn MWD		-0.07	140.81	-0.08	N
5,757	4.10	37.95	5,750.83	122.82	92.91	133.75	0.17	Magn MWD		0.12	154.00	1.77	N
5,947	3.78	50.42	5,940.38	132.17	101.91	144.18	0.48	Magn MWD		-0.17	166.90	6.56	N
6,138	3.64	52.44	6,130.98	139.88	111.57	153.06	0.10	Magn MWD		-0.07	178.92	1.06	N
6,328	4.21	46.12	6,320.54	148.39	121.38	162.77	0.38	Magn MWD		0.30	191.71	-3.33	N
6,518	4.06	44.20	6,510.04	158.04	131.10	173.59	0.11	Magn MWD		-0.08	205.34	-1.01	N
6,709	4.88	42.03	6,700.46	168.93	141.25	185.69	0.44	Magn MWD		0.43	220.20	-1.14	N
6,899	4.41	45.49	6,889.84	180.05	151.87	198.09	0.29	Magn MWD		-0.25	235.55	1.82	N
7,090	3.77	45.93	7,080.35	189.56	161.62	208.78	0.34	Magn MWD		-0.34	249.11	0.23	N
7,280	3.85	41.76	7,269.93	198.67	170.35	218.93	0.15	Magn MWD		0.04	261.70	-2.19	N
7,471	4.29	41.67	7,460.45	208.79	179.37	230.12	0.23	Magn MWD		0.23	275.26	-0.05	N
7,661	4.14	41.77	7,649.93	219.21	188.67	241.66	0.08	Magn MWD		-0.08	289.22	0.05	N
7,852	3.27	39.16	7,840.53	228.58	196.70	251.98	0.46	Magn MWD		-0.46	301.56	-1.37	N
8,042	3.93	35.25	8,030.16	238.10	203.88	262.34	0.37	Magn MWD		0.35	313.46	-2.06	N
8,233	4.06	37.79	8,220.69	248.78	211.80	273.96	0.11	Magn MWD		0.07	326.73	1.33	N
8,423	3.48	44.63	8,410.28	258.20	219.97	284.35	0.39	Magn MWD		-0.31	339.20	3.60	N
8,541	2.93	47.41	8,528.10	262.79	224.71	289.51	0.48	Magn MWD		-0.47	345.77	2.36	N
8,612	2.79	109.64	8,599.03	263.44	227.67	290.54	4.17	Magn MWD		-0.20	348.19	87.65	N
8,644	7.31	145.86	8,630.90	261.49	229.55	288.85	16.62	Magn MWD		14.13	347.95	113.19	N
8,676	12.09	152.53	8,662.43	256.83	232.24	284.57	15.32	Magn MWD		14.94	346.26	20.84	N
8,708	16.49	153.85	8,693.44	249.78	235.79	278.03	13.79	Magn MWD		13.75	343.49	4.12	N
8,740	21.63	155.99	8,723.67	240.31	240.19	269.21	16.21	Magn MWD		16.06	339.77	6.69	N
8,772	25.50	157.05	8,753.00	228.57	245.28	258.22	12.17	Magn MWD		12.09	335.27	3.31	N
8,803	29.31	160.83	8,780.52	215.25	250.38	245.67	13.51	Magn MWD		12.29	330.19	12.19	N



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Survey Data

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8,835	32.78	166.72	8,807.93	199.42	254.94	230.55	14.40	Magn MWD		10.84	323.67	18.41	N
8,867	35.68	172.07	8,834.39	181.74	258.22	213.44	13.05	Magn MWD		9.06	315.76	16.72	N
8,899	39.25	175.21	8,859.79	162.40	260.36	194.54	12.65	Magn MWD		11.16	306.85	9.81	N
8,931	42.70	176.25	8,883.95	141.47	261.91	173.99	10.99	Magn MWD		10.78	297.68	3.25	N
8,963	45.27	176.85	8,906.97	119.29	263.25	152.16	8.14	Magn MWD		8.03	289.01	1.87	N
8,994	46.79	179.53	8,928.50	97.00	263.94	130.14	7.92	Magn MWD		4.90	281.20	8.65	N
9,026	47.48	182.12	8,950.27	73.55	263.60	106.84	6.31	Magn MWD		2.16	273.67	8.09	N
9,058	47.98	186.60	8,971.80	49.95	261.80	83.21	10.48	Magn MWD		1.56	266.52	14.00	N
9,090	48.27	188.08	8,993.16	26.32	258.75	59.38	3.56	Magn MWD		0.91	260.09	4.63	N
9,121	48.46	186.53	9,013.75	3.34	255.81	36.22	3.79	Magn MWD		0.61	255.83	-5.00	N
9,153	48.11	183.66	9,035.05	-20.45	253.69	12.35	6.78	Magn MWD		-1.09	254.51	-8.97	N
9,185	49.39	181.39	9,056.15	-44.48	252.63	-11.62	6.67	Magn MWD		4.00	256.52	-7.09	N
9,217	51.79	178.26	9,076.47	-69.20	252.72	-36.12	10.65	Magn MWD		7.50	262.02	-9.78	N
9,248	53.88	176.77	9,095.19	-93.87	253.79	-60.45	7.75	Magn MWD		6.74	270.60	-4.81	N
9,280	56.49	176.78	9,113.46	-120.10	255.27	-86.27	8.16	Magn MWD		8.16	282.11	0.03	N
9,312	60.71	175.65	9,130.13	-147.35	257.08	-113.06	13.53	Magn MWD		13.19	296.31	-3.53	N
9,344	64.88	175.09	9,144.76	-175.71	259.38	-140.89	13.12	Magn MWD		13.03	313.29	-1.75	N
9,376	67.41	175.13	9,157.70	-204.87	261.87	-169.48	7.91	Magn MWD		7.91	332.49	0.12	N
9,407	70.50	176.32	9,168.83	-233.71	264.03	-197.81	10.59	Magn MWD		9.97	352.61	3.84	N
9,439	74.11	179.63	9,178.56	-264.17	265.10	-227.88	14.98	Magn MWD		11.28	374.25	10.34	N
9,471	78.37	181.75	9,186.17	-295.24	264.72	-258.74	14.79	Magn MWD		13.31	396.54	6.63	N
9,497	83.16	181.72	9,190.34	-320.89	263.94	-284.27	18.42	Magn MWD		18.42	415.49	-0.12	N
9,566	90.98	180.25	9,193.86	-389.73	262.76	-352.70	11.53	Magn MWD		11.33	470.03	-2.13	N
9,661	92.18	181.59	9,191.24	-484.68	261.23	-447.05	1.89	Magn MWD		1.26	550.60	1.41	N
9,756	90.53	183.53	9,189.00	-579.55	256.99	-541.68	2.68	Magn MWD		-1.74	633.97	2.04	N
9,852	90.31	182.25	9,188.29	-675.42	252.15	-637.38	1.35	Magn MWD		-0.23	720.95	-1.33	N
9,947	90.39	182.85	9,187.71	-770.33	247.93	-732.04	0.64	Magn MWD		0.08	809.24	0.63	N
10,042	91.37	181.16	9,186.25	-865.25	244.60	-826.60	2.06	Magn MWD		1.03	899.16	-1.78	N
10,138	90.42	178.46	9,184.75	-961.23	244.92	-921.74	2.98	Magn MWD		-0.99	991.94	-2.81	N



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Survey Data

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10,233	90.73	176.92	9,183.80	-1,056.14	248.75	-1,015.38	1.65	Magn MWD		0.33	1,085. 04	-1.62	N
10,328	92.12	177.88	9,181.44	-1,151.01	253.06	-1,108.90	1.78	Magn MWD		1.46	1,178. 50	1.01	N
10,423	91.68	180.06	9,178.29	-1,245.94	254.76	-1,202.82	2.34	Magn MWD		-0.46	1,271. 72	2.29	N
10,518	91.48	182.11	9,175.67	-1,340.88	252.97	-1,297.21	2.17	Magn MWD		-0.21	1,364. 53	2.16	N
10,614	88.52	180.70	9,175.67	-1,436.84	250.61	-1,392.67	3.42	Magn MWD		-3.08	1,458. 53	-1.47	N
10,709	88.04	180.78	9,178.52	-1,531.79	249.39	-1,486.99	0.51	Magn MWD		-0.51	1,551. 96	0.08	N
10,804	86.89	180.89	9,182.72	-1,626.68	248.00	-1,581.27	1.22	Magn MWD		-1.21	1,645. 48	0.12	N
10,899	88.32	180.64	9,186.69	-1,721.59	246.74	-1,675.55	1.53	Magn MWD		1.51	1,739. 18	-0.26	N
10,995	89.66	180.56	9,188.38	-1,817.57	245.73	-1,770.86	1.40	Magn MWD		1.40	1,834. 10	-0.08	N
11,089	89.89	180.13	9,188.75	-1,911.56	245.17	-1,864.15	0.52	Magn MWD		0.24	1,927. 22	-0.46	N
11,185	90.42	179.12	9,188.49	-2,007.56	245.79	-1,959.27	1.19	Magn MWD		0.55	2,022. 55	-1.05	N
11,280	92.38	178.15	9,186.17	-2,102.50	248.06	-2,053.13	2.30	Magn MWD		2.06	2,117. 08	-1.02	N
11,375	93.16	177.79	9,181.58	-2,197.33	251.42	-2,146.74	0.90	Magn MWD		0.82	2,211. 67	-0.38	N
11,470	92.60	178.23	9,176.81	-2,292.15	254.71	-2,240.35	0.75	Magn MWD		-0.59	2,306. 26	0.46	N
11,566	92.54	178.83	9,172.50	-2,388.02	257.17	-2,335.11	0.63	Magn MWD		-0.06	2,401. 83	0.63	N
11,661	93.55	179.02	9,167.46	-2,482.87	258.95	-2,428.94	1.08	Magn MWD		1.06	2,496. 34	0.20	N
11,756	91.48	179.25	9,163.29	-2,577.76	260.38	-2,522.86	2.19	Magn MWD		-2.18	2,590. 88	0.24	N
11,851	90.78	178.96	9,161.41	-2,672.73	261.87	-2,616.85	0.80	Magn MWD		-0.74	2,685. 53	-0.31	N
11,947	90.70	180.56	9,160.17	-2,768.72	262.27	-2,711.99	1.67	Magn MWD		-0.08	2,781. 11	1.67	N
12,042	90.11	181.33	9,159.50	-2,863.70	260.70	-2,806.38	1.02	Magn MWD		-0.62	2,875. 55	0.81	N
12,137	90.81	180.55	9,158.74	-2,958.69	259.14	-2,900.78	1.10	Magn MWD		0.74	2,970. 01	-0.82	N
12,232	90.98	179.92	9,157.26	-3,053.67	258.75	-2,995.03	0.69	Magn MWD		0.18	3,064. 62	-0.66	N
12,327	91.48	180.54	9,155.22	-3,148.65	258.37	-3,089.26	0.84	Magn MWD		0.53	3,159. 23	0.65	N
12,423	91.84	179.92	9,152.44	-3,244.61	257.99	-3,184.47	0.75	Magn MWD		0.38	3,254. 85	-0.65	N
12,518	91.79	180.75	9,149.43	-3,339.56	257.43	-3,278.71	0.87	Magn MWD		-0.05	3,349. 47	0.87	N
12,613	91.06	181.43	9,147.06	-3,434.51	255.63	-3,373.10	1.05	Magn MWD		-0.77	3,444. 01	0.72	N
12,709	90.73	180.34	9,145.57	-3,530.49	254.14	-3,468.47	1.19	Magn MWD		-0.34	3,539. 62	-1.14	N
12,804	90.53	179.29	9,144.52	-3,625.48	254.45	-3,562.64	1.13	Magn MWD		-0.21	3,634. 40	-1.11	N
12,899	90.28	178.85	9,143.85	-3,720.46	255.99	-3,656.63	0.53	Magn MWD		-0.26	3,729. 26	-0.46	N



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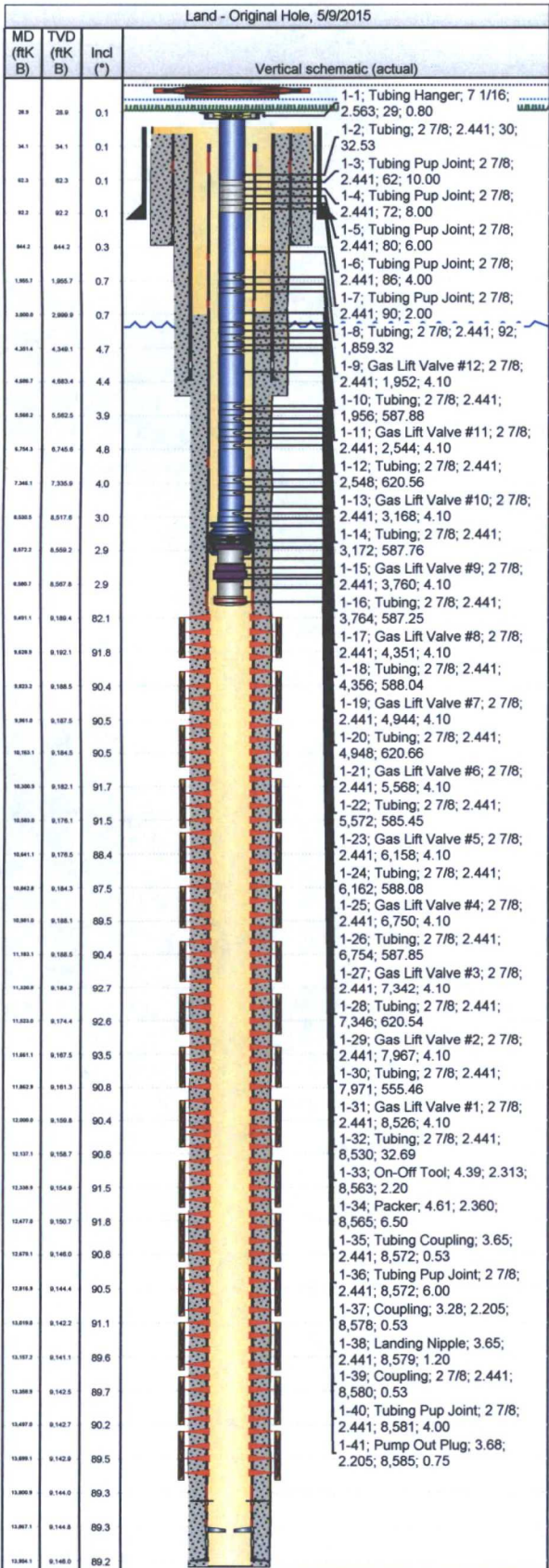
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12,994	91.17	179.95	9,142.65	-3,815.45	256.99	-3,750.70	1.49	Magn MWD		0.94	3,824. 09	1.16	N
13,090	90.73	179.88	9,141.06	-3,911.43	257.13	-3,845.87	0.46	Magn MWD		-0.46	3,919. 88	-0.07	N
13,185	89.14	178.09	9,141.16	-4,006.41	258.81	-3,939.84	2.52	Magn MWD		-1.67	4,014. 76	-1.88	N
13,280	89.72	177.97	9,142.11	-4,101.35	262.08	-4,033.57	0.62	Magn MWD		0.61	4,109. 72	-0.13	N
13,376	89.64	178.13	9,142.64	-4,197.29	265.34	-4,128.30	0.19	Magn MWD		-0.08	4,205. 67	0.17	N
13,471	90.22	178.83	9,142.76	-4,292.26	267.86	-4,222.15	0.96	Magn MWD		0.61	4,300. 61	0.74	N
13,566	90.19	179.03	9,142.42	-4,387.24	269.64	-4,316.12	0.21	Magn MWD		-0.03	4,395. 52	0.21	N
13,661	89.69	180.00	9,142.52	-4,482.24	270.44	-4,410.22	1.15	Magn MWD		-0.53	4,490. 39	1.02	N
13,756	89.24	180.56	9,143.41	-4,577.23	269.98	-4,504.49	0.76	Magn MWD		-0.47	4,585. 19	0.59	N
13,852	89.36	180.49	9,144.58	-4,673.22	269.10	-4,599.79	0.14	Magn MWD		0.13	4,680. 96	-0.07	N
13,912	89.16	180.63	9,145.35	-4,733.21	268.51	-4,659.36	0.41	Magn MWD		-0.33	4,740. 82	0.23	N
13,976	89.16	180.63	9,146.29	-4,797.20	267.81	-4,722.91	0.00	Magn MWD		0.00	4,804. 67	0.00	N



Tubing Summary

Well Name SALADO DRAW 19-26-33 FED 004H	Lease Salado Draw 19-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent	
Ground Elevation (ft) 3,189.00	Original RKB Elevation (ft) 3,216.00	Current RKB Elevation 3,221.60, 2/28/2015	Mud Line Elevation (ft)	Water Depth (ft)
Current KB to Ground (ft) 32.60	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		N		8,585.3		8,572.4			
Run Date		Run Job		Pull Date		Pull Job			
5/9/2015		Complete, 3/26/2015 00:00							
Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
1	Tubing Hanger	7 1/16	2.563				0.80	29.0	29.8
1	Tubing	2 7/8	2.441	6.50	L-80		32.53	29.8	62.3
1	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		10.00	62.3	72.3
1	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		8.00	72.3	80.3
1	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		6.00	80.3	86.3
1	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		4.00	86.3	90.3
1	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		2.00	90.3	92.3
57	Tubing	2 7/8	2.441	6.50	L-80		1,859.32	92.3	1,951.6
1	Gas Lift Valve #12	2 7/8	2.441				4.10	1,951.6	1,955.7
18	Tubing	2 7/8	2.441	6.50	L-80		587.88	1,955.7	2,543.6
1	Gas Lift Valve #11	2 7/8	2.441				4.10	2,543.6	2,547.7
19	Tubing	2 7/8	2.441	6.50	L-80		620.56	2,547.7	3,168.3
1	Gas Lift Valve #10	2 7/8	2.441				4.10	3,168.3	3,172.4
18	Tubing	2 7/8	2.441	6.50	L-80		587.76	3,172.4	3,760.1
1	Gas Lift Valve #9	2 7/8	2.441				4.10	3,760.1	3,764.2
18	Tubing	2 7/8	2.441	6.50	L-80		587.25	3,764.2	4,351.5
1	Gas Lift Valve #8	2 7/8	2.441				4.10	4,351.5	4,355.6
18	Tubing	2 7/8	2.441	6.50	L-80		588.04	4,355.6	4,943.6
1	Gas Lift Valve #7	2 7/8	2.441				4.10	4,943.6	4,947.7
19	Tubing	2 7/8	2.441	6.50	L-80		620.66	4,947.7	5,568.4
1	Gas Lift Valve #6	2 7/8	2.441				4.10	5,568.4	5,572.5
18	Tubing	2 7/8	2.441	6.50	L-80		585.45	5,572.5	6,157.9
1	Gas Lift Valve #5	2 7/8	2.441				4.10	6,157.9	6,162.0
18	Tubing	2 7/8	2.441	6.50	L-80		588.08	6,162.0	6,750.1
1	Gas Lift Valve #4	2 7/8	2.441				4.10	6,750.1	6,754.2
18	Tubing	2 7/8	2.441	6.50	L-80		587.85	6,754.2	7,342.1
1	Gas Lift Valve #3	2 7/8	2.441				4.10	7,342.1	7,346.2



Well Name SALADO DRAW 19-26-33 FED 004H	Lease Salado Draw 19-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent	
Ground Elevation (ft) 3,189.00	Original RKB Elevation (ft) 3,216.00	Current RKB Elevation 3,221.60, 2/28/2015	Mud Line Elevation (ft)	Water Depth (ft)
Current KB to Ground (ft) 32.60	Current KB to Mud Line (ft)	Current KB to Csg Flange (ft)	Current KB to Tubing Head (ft)	

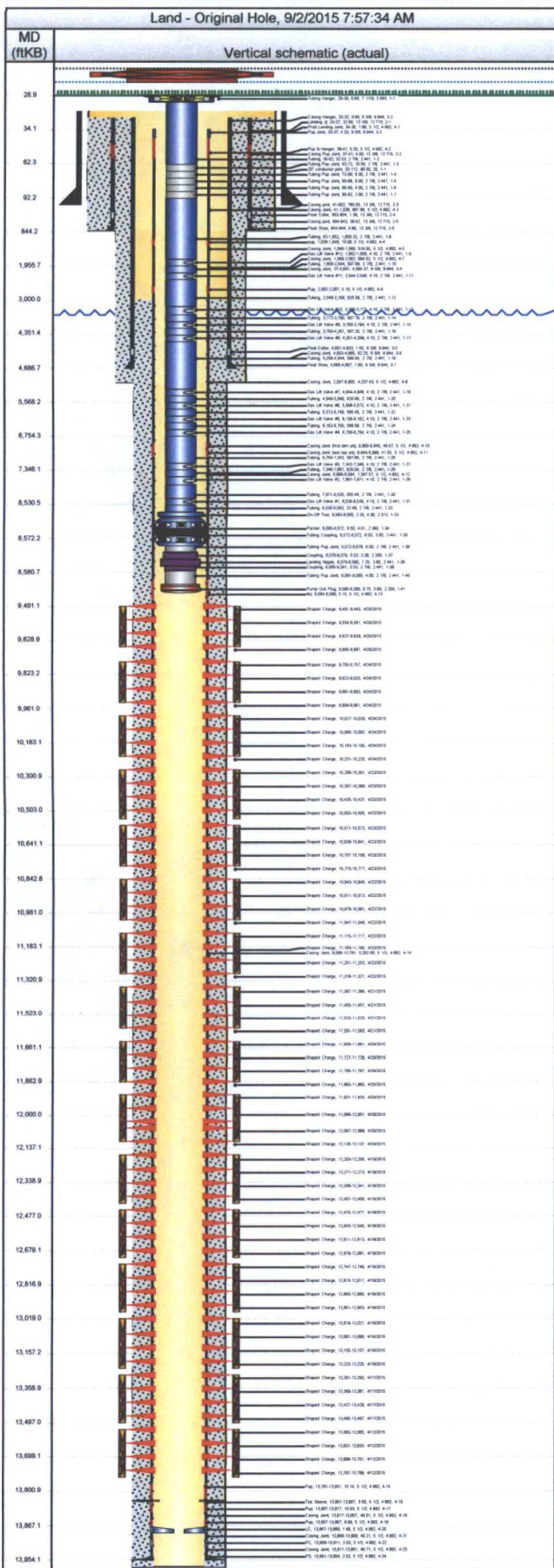
Land - Original Hole, 5/9/2015													
MD (ftKB)	TVD (ftKB)	Incl (°)		Jts	Item Des	OD (in)	ID (in)	Wt (lb/ft)	Grade	Top Thread	Len (ft)	Top (ftKB)	Btm (ftKB)
Vertical schematic (actual)													
38.9	38.9	0.1	1-1; Tubing Hanger, 7 1/16; 2.563; 29; 0.80	19	Tubing	2 7/8	2.441	6.50	L-80	Top Thread	620.54	7,346.2	7,966.7
36.1	36.1	0.1	1-2; Tubing; 2 7/8; 2.441; 30; 32.53	1	Gas Lift Valve #2	2 7/8	2.441				4.10	7,966.7	7,970.8
82.3	82.3	0.1	1-3; Tubing Pup Joint; 2 7/8; 2.441; 62; 10.00	17	Tubing	2 7/8	2.441	6.50	L-80		555.46	7,970.8	8,526.3
82.2	82.2	0.1	1-4; Tubing Pup Joint; 2 7/8; 2.441; 72; 8.00	1	Gas Lift Valve #1	2 7/8	2.441				4.10	8,526.3	8,530.4
84.2	84.2	0.3	1-5; Tubing Pup Joint; 2 7/8; 2.441; 80; 6.00	1	Tubing	2 7/8	2.441	6.50	L-80		32.69	8,530.4	8,563.1
1,885.7	1,885.7	0.7	1-6; Tubing Pup Joint; 2 7/8; 2.441; 86; 4.00	1	On-Off Tool	4.387	2.313				2.20	8,563.1	8,565.3
1,889.9	1,889.9	0.7	1-7; Tubing Pup Joint; 2 7/8; 2.441; 90; 2.00	1	Packer	4.61	2.360				6.50	8,565.3	8,571.8
1,914.1	1,914.1	4.7	1-8; Tubing; 2 7/8; 2.441; 92; 1,859.32	1	Tubing Coupling	3.646	2.441				0.53	8,571.8	8,572.3
1,988.7	1,988.7	4.4	1-9; Gas Lift Valve #12; 2 7/8; 2.441; 1,952; 4.10	1	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		6.00	8,572.3	8,578.3
1,989.3	1,989.3	3.9	1-10; Tubing; 2 7/8; 2.441; 1,956; 587.88	1	Coupling	3.28	2.205				0.53	8,578.3	8,578.8
1,750.3	1,745.9	4.8	1-11; Gas Lift Valve #11; 2 7/8; 2.441; 2,544; 4.10	1	Landing Nipple	3.646	2.441				1.20	8,578.8	8,580.0
7,346.1	7,335.9	4.0	1-12; Tubing; 2 7/8; 2.441; 2,548; 620.56	1	Coupling	2 7/8	2.441				0.53	8,580.0	8,580.6
8,585.6	8,517.8	3.0	1-13; Gas Lift Valve #10; 2 7/8; 2.441; 3,168; 4.10	1	Tubing Pup Joint	2 7/8	2.441	6.50	L-80		4.00	8,580.6	8,584.6
8,572.2	8,588.2	2.9	1-14; Tubing; 2 7/8; 2.441; 3,172; 587.76	1	Pump Out Plug	3.68	2.205				0.75	8,584.6	8,585.3
8,585.7	8,587.8	2.9	1-15; Gas Lift Valve #9; 2 7/8; 2.441; 3,760; 4.10										
8,611.1	8,189.4	82.1	1-16; Tubing; 2 7/8; 2.441; 3,764; 587.25										
8,628.9	8,182.1	91.8	1-17; Gas Lift Valve #8; 2 7/8; 2.441; 4,351; 4.10										
8,632.2	8,185.5	90.4	1-18; Tubing; 2 7/8; 2.441; 4,356; 588.04										
9,361.8	8,187.3	90.5	1-19; Gas Lift Valve #7; 2 7/8; 2.441; 4,944; 4.10										
10,183.1	8,184.5	90.5	1-20; Tubing; 2 7/8; 2.441; 4,948; 620.66										
10,388.9	8,182.1	91.7	1-21; Gas Lift Valve #6; 2 7/8; 2.441; 5,568; 4.10										
10,833.8	8,176.1	91.5	1-22; Tubing; 2 7/8; 2.441; 5,572; 585.45										
10,841.1	8,176.5	88.4	1-23; Gas Lift Valve #5; 2 7/8; 2.441; 6,158; 4.10										
10,853.9	8,184.3	87.5	1-24; Tubing; 2 7/8; 2.441; 6,162; 588.08										
10,961.9	8,188.1	89.5	1-25; Gas Lift Valve #4; 2 7/8; 2.441; 6,750; 4.10										
11,183.1	8,183.3	90.4	1-26; Tubing; 2 7/8; 2.441; 6,754; 587.85										
11,308.9	8,184.2	92.7	1-27; Gas Lift Valve #3; 2 7/8; 2.441; 7,342; 4.10										
11,833.8	8,174.4	92.6	1-28; Tubing; 2 7/8; 2.441; 7,346; 620.54										
11,841.1	8,187.5	93.5	1-29; Gas Lift Valve #2; 2 7/8; 2.441; 7,967; 4.10										
11,862.9	8,181.3	90.8	1-30; Tubing; 2 7/8; 2.441; 7,971; 555.46										
12,086.9	8,189.8	90.4	1-31; Gas Lift Valve #1; 2 7/8; 2.441; 8,526; 4.10										
12,101.1	8,186.7	90.8	1-32; Tubing; 2 7/8; 2.441; 8,530; 32.69										
12,308.9	8,154.9	91.5	1-33; On-Off Tool; 4.39; 2.313; 8,563; 2.20										
12,471.9	8,180.7	91.8	1-34; Packer; 4.61; 2.360; 8,565; 6.50										
12,479.1	8,148.9	90.8	1-35; Tubing Coupling; 3.65; 2.441; 8,572; 0.53										
12,816.9	8,144.4	90.5	1-36; Tubing Pup Joint; 2 7/8; 2.441; 8,572; 6.00										
13,019.9	8,142.2	91.1	1-37; Coupling; 3.28; 2.205; 8,578; 0.53										
13,197.3	8,141.1	89.6	1-38; Landing Nipple; 3.65; 2.441; 8,579; 1.20										
13,388.9	8,142.5	89.7	1-39; Coupling; 2 7/8; 2.441; 8,580; 0.53										
13,487.9	8,142.7	90.2	1-40; Tubing Pup Joint; 2 7/8; 2.441; 8,581; 4.00										
13,686.1	8,142.9	89.5	1-41; Pump Out Plug; 3.68; 2.205; 8,585; 0.75										
13,886.9	8,144.0	89.3											
13,987.1	8,144.8	89.3											
13,986.1	8,148.0	89.2											

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)



Wellbore Schematic

Well Name SALADO DRAW 19-26-33 FED 004H	Lease Salado Draw 19-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
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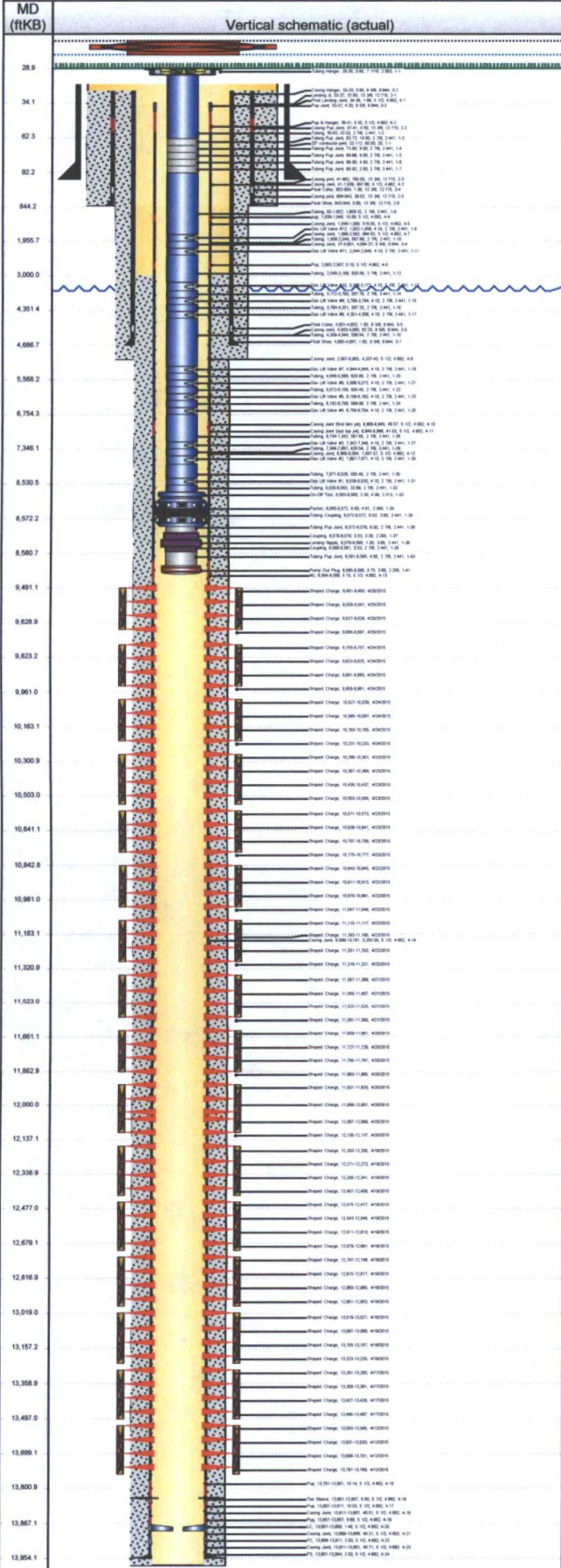
Job Details						
Job Category		Start Date		Rig/Unit End Date		
Completion		3/25/2015		3/29/2015		
Completion		3/29/2015		3/30/2015		
Completion		3/30/2015		4/14/2015		
Completion		4/14/2015		4/26/2015		
Completion		4/15/2015		4/26/2015		
Completion		4/26/2015		5/5/2015		
Completion		5/5/2015		5/7/2015		
Completion		5/7/2015		5/8/2015		
Completion		5/8/2015		5/9/2015		
Completion		5/9/2015		5/18/2015		
Completion		5/22/2015		5/22/2015		
Completion		5/28/2015		6/1/2015		
Casing Strings						
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Set Depth (MD) (ftKB)	
Conductor	20				112	
Surface	13 3/8	48.00	H-40	STC	844	
Intermediate Casing 1	9 5/8	40.00	HCK-55	LTC	4,687	
Production Casing	5 1/2	17.00	HCP-110		13,954	
Tubing Strings						
Tubing set at 8,585.3ftKB on 5/9/2015 00:00						
Tubing Description		Run Date		String Length (ft)	Set Depth (MD) (ftKB)	
Tubing		5/9/2015		8,556.31	8,585.3	
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
Tubing Hanger		7 1/16			0.80	29.8
Tubing	1	2 7/8	6.50	L-80	32.53	62.3
Tubing Pup Joint	1	2 7/8	6.50	L-80	10.00	72.3
Tubing Pup Joint	1	2 7/8	6.50	L-80	8.00	80.3
Tubing Pup Joint	1	2 7/8	6.50	L-80	6.00	86.3
Tubing Pup Joint	1	2 7/8	6.50	L-80	4.00	90.3
Tubing Pup Joint	1	2 7/8	6.50	L-80	2.00	92.3
Tubing	57	2 7/8	6.50	L-80	1,859.32	1,951.6
Gas Lift Valve #12	1	2 7/8			4.10	1,955.7
Tubing	18	2 7/8	6.50	L-80	587.88	2,543.6
Gas Lift Valve #11	1	2 7/8			4.10	2,547.7
Tubing	19	2 7/8	6.50	L-80	620.56	3,168.3
Gas Lift Valve #10	1	2 7/8			4.10	3,172.4
Tubing	18	2 7/8	6.50	L-80	587.76	3,760.1
Gas Lift Valve #9	1	2 7/8			4.10	3,764.2
Tubing	18	2 7/8	6.50	L-80	587.25	4,351.5
Gas Lift Valve #8	1	2 7/8			4.10	4,355.6
Tubing	18	2 7/8	6.50	L-80	588.04	4,943.6
Gas Lift Valve #7	1	2 7/8			4.10	4,947.7
Tubing	19	2 7/8	6.50	L-80	620.66	5,568.4
Gas Lift Valve #6	1	2 7/8			4.10	5,572.5
Tubing	18	2 7/8	6.50	L-80	585.45	6,157.9
Gas Lift Valve #5	1	2 7/8			4.10	6,162.0
Tubing	18	2 7/8	6.50	L-80	588.08	6,750.1
Gas Lift Valve #4	1	2 7/8			4.10	6,754.2
Tubing	18	2 7/8	6.50	L-80	587.85	7,342.1
Gas Lift Valve #3	1	2 7/8			4.10	7,346.2
Tubing	19	2 7/8	6.50	L-80	620.54	7,966.7
Gas Lift Valve #2	1	2 7/8			4.10	7,970.8
Tubing	17	2 7/8	6.50	L-80	555.46	8,526.3
Gas Lift Valve #1	1	2 7/8			4.10	8,530.4
Tubing	1	2 7/8	6.50	L-80	32.69	8,563.1



Wellbore Schematic

Well Name SALADO DRAW 19-26-33 FED 004H	Lease Salado Draw 19-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
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Land - Original Hole, 9/2/2015 7:57:34 AM



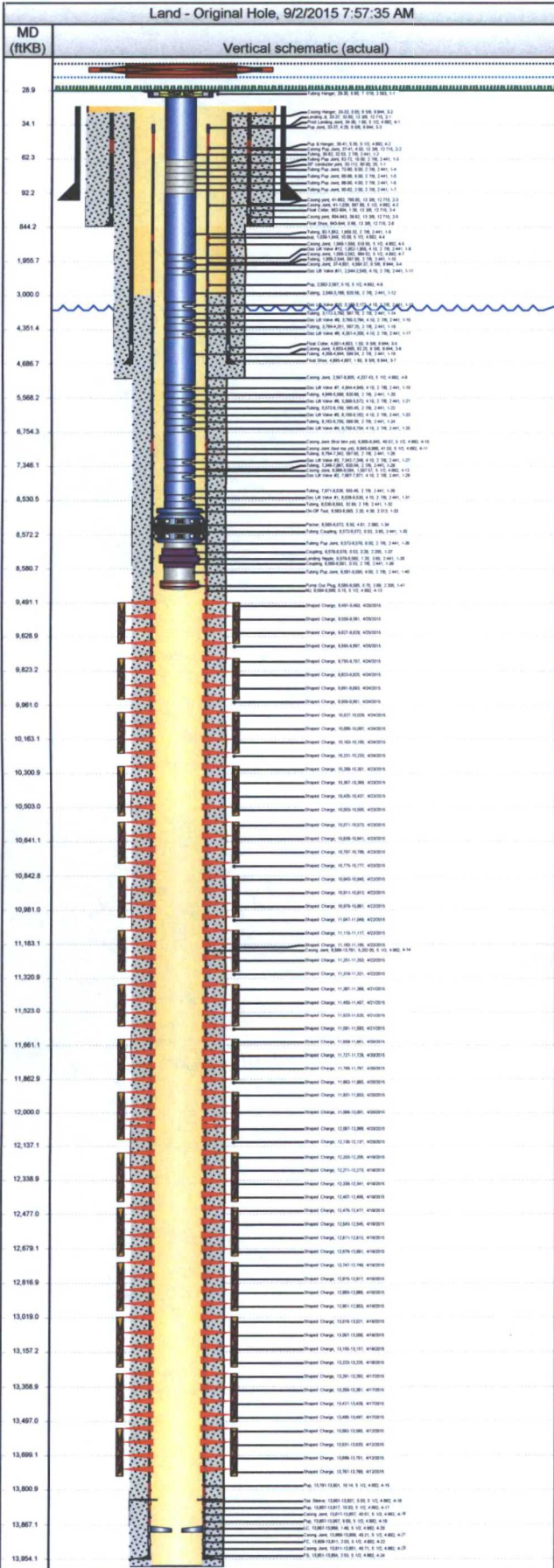
Item Des	Jts	OD (in)	Wt (lb/ft)	Grade	Len (ft)	Btm (ftKB)
On-Off Tool	1	4.387			2.20	8,565.3
Packer	1	4.61			6.50	8,571.8
Tubing Coupling	1	3.646			0.53	8,572.3
Tubing Pup Joint	1	2 7/8	6.50	L-80	6.00	8,578.3
Coupling	1	3.28			0.53	8,578.8
Landing Nipple	1	3.646			1.20	8,580.0
Coupling	1	2 7/8			0.53	8,580.6
Tubing Pup Joint	1	2 7/8	6.50	L-80	4.00	8,584.6
Pump Out Plug	1	3.68			0.75	8,585.3

Perforations						
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion	
4/25/2015	9,491.0	9,493.0	6.0	12	Bone Spring, Original Hole	
4/25/2015	9,559.0	9,561.0	6.0	12	Bone Spring, Original Hole	
4/25/2015	9,627.0	9,629.0	6.0	12	Bone Spring, Original Hole	
4/25/2015	9,695.0	9,697.0	6.0	12	Bone Spring, Original Hole	
4/24/2015	9,755.0	9,757.0	6.0	12	Bone Spring, Original Hole	
4/24/2015	9,823.0	9,825.0	6.0	12	Bone Spring, Original Hole	
4/24/2015	9,891.0	9,893.0	6.0	12	Bone Spring, Original Hole	
4/24/2015	9,959.0	9,961.0	6.0	12	Bone Spring, Original Hole	
4/24/2015	10,027.0	10,029.0	6.0	12	Bone Spring, Original Hole	
4/24/2015	10,095.0	10,097.0	6.0	12	Bone Spring, Original Hole	
4/24/2015	10,163.0	10,165.0	6.0	12	Bone Spring, Original Hole	
4/24/2015	10,231.0	10,233.0	6.0	12	Bone Spring, Original Hole	
4/23/2015	10,299.0	10,301.0	6.0	12	Bone Spring, Original Hole	
4/23/2015	10,367.0	10,369.0	6.0	12	Bone Spring, Original Hole	
4/23/2015	10,435.0	10,437.0	6.0	12	Bone Spring, Original Hole	
4/23/2015	10,503.0	10,505.0	6.0	12	Bone Spring, Original Hole	
4/23/2015	10,571.0	10,573.0	6.0	12	Bone Spring, Original Hole	
4/23/2015	10,639.0	10,641.0	6.0	12	Bone Spring, Original Hole	
4/23/2015	10,707.0	10,709.0	6.0	12	Bone Spring, Original Hole	
4/23/2015	10,775.0	10,777.0	6.0	12	Bone Spring, Original Hole	
4/22/2015	10,843.0	10,845.0	6.0	12	Bone Spring, Original Hole	
4/22/2015	10,911.0	10,913.0	6.0	12	Bone Spring, Original Hole	
4/22/2015	10,979.0	10,981.0	6.0	12	Bone Spring, Original Hole	
4/22/2015	11,047.0	11,049.0	6.0	12	Bone Spring, Original Hole	
4/22/2015	11,115.0	11,117.0	6.0	12	Bone Spring, Original Hole	
4/22/2015	11,183.0	11,185.0	6.0	12	Bone Spring, Original Hole	
4/22/2015	11,251.0	11,253.0	6.0	12	Bone Spring, Original Hole	
4/22/2015	11,319.0	11,321.0	6.0	12	Bone Spring, Original Hole	



Wellbore Schematic

Well Name SALADO DRAW 19-26-33 FED 004H	Lease Salado Draw 19-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
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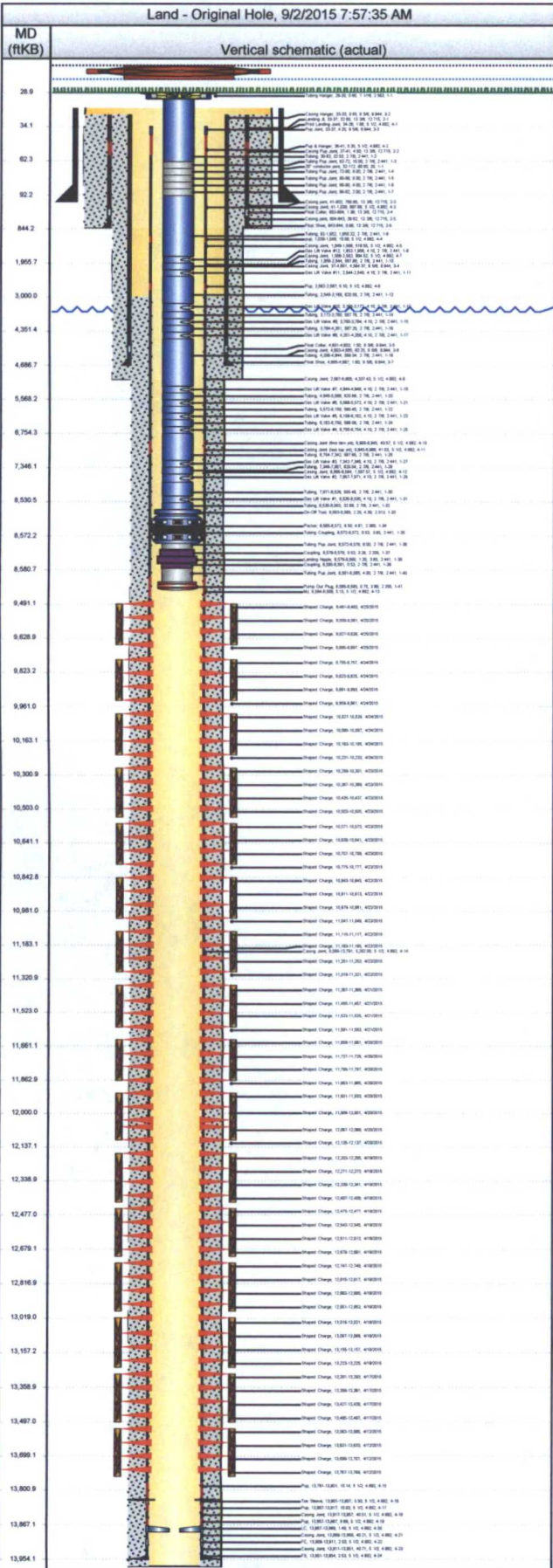


Perforations					
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
4/21/2015	11,387.0	11,389.0	6.0	12	Bone Spring, Original Hole
4/21/2015	11,455.0	11,457.0	6.0	12	Bone Spring, Original Hole
4/21/2015	11,523.0	11,525.0	6.0	12	Bone Spring, Original Hole
4/21/2015	11,591.0	11,593.0	6.0	12	Bone Spring, Original Hole
4/20/2015	11,659.0	11,661.0	6.0	12	Bone Spring, Original Hole
4/20/2015	11,727.0	11,729.0	6.0	12	Bone Spring, Original Hole
4/20/2015	11,795.0	11,797.0	6.0	12	Bone Spring, Original Hole
4/20/2015	11,863.0	11,865.0	6.0	12	Bone Spring, Original Hole
4/20/2015	11,931.0	11,933.0	6.0	12	Bone Spring, Original Hole
4/20/2015	11,999.0	12,001.0	6.0	12	Bone Spring, Original Hole
4/20/2015	12,067.0	12,069.0	6.0	12	Bone Spring, Original Hole
4/20/2015	12,135.0	12,137.0	6.0	12	Bone Spring, Original Hole
4/19/2015	12,203.0	12,205.0	6.0	12	Bone Spring, Original Hole
4/19/2015	12,271.0	12,273.0	6.0	12	Bone Spring, Original Hole
4/19/2015	12,339.0	12,341.0	6.0	12	Bone Spring, Original Hole
4/19/2015	12,407.0	12,409.0	6.0	12	Bone Spring, Original Hole
4/19/2015	12,475.0	12,477.0	6.0	12	Bone Spring, Original Hole
4/19/2015	12,543.0	12,545.0	6.0	12	Bone Spring, Original Hole
4/19/2015	12,611.0	12,613.0	6.0	12	Bone Spring, Original Hole
4/19/2015	12,679.0	12,681.0	6.0	12	Bone Spring, Original Hole
4/18/2015	12,747.0	12,749.0	6.0	12	Bone Spring, Original Hole
4/18/2015	12,815.0	12,817.0	6.0	12	Bone Spring, Original Hole
4/18/2015	12,883.0	12,885.0	6.0	12	Bone Spring, Original Hole
4/18/2015	12,951.0	12,953.0	6.0	12	Bone Spring, Original Hole
4/18/2015	13,019.0	13,021.0	6.0	12	Bone Spring, Original Hole
4/18/2015	13,087.0	13,089.0	6.0	12	Bone Spring, Original Hole
4/18/2015	13,155.0	13,157.0	6.0	12	Bone Spring, Original Hole
4/18/2015	13,223.0	13,225.0	6.0	12	Bone Spring, Original Hole
4/17/2015	13,291.0	13,293.0	6.0	12	Bone Spring, Original Hole
4/17/2015	13,359.0	13,361.0	6.0	12	Bone Spring, Original Hole



Wellbore Schematic

Well Name SALADO DRAW 19-26-33 FED 004H	Lease Salado Draw 19-26-33 Fed	Field Name WILDCAT (HOBBS)	Business Unit Mid-Continent
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Perforations					
Date	Top (ftKB)	Btm (ftKB)	Shot Dens (shots/ft)	Entered Shot Total	Zone & Completion
4/17/2015	13,427.0	13,429.0	6.0	12	Bone Spring, Original Hole
4/17/2015	13,495.0	13,497.0	6.0	12	Bone Spring, Original Hole
4/12/2015	13,563.0	13,565.0	6.0	12	Bone Spring, Original Hole
4/12/2015	13,631.0	13,633.0	6.0	12	Bone Spring, Original Hole
4/12/2015	13,699.0	13,701.0	6.0	12	Bone Spring, Original Hole
4/12/2015	13,767.0	13,769.0	6.0	12	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
Packer	8,565.0	8,574.0	5/9/2015		Production PKR
Composite Frac Plug (drop ball)	9,725.0	9,727.0	4/25/2015	5/5/2015	Stage 16
Composite Frac Plug (drop ball)	9,993.0	9,995.0	4/24/2015	5/5/2015	Stage 15
Composite Frac Plug (drop ball)	10,265.0	10,267.0	4/24/2015	5/5/2015	Stage 14
Composite Frac Plug (drop ball)	10,537.0	10,539.0	4/23/2015	5/5/2015	Stage 13
Composite Frac Plug (drop ball)	10,809.0	10,811.0	4/23/2015	5/5/2015	Stage 12
Composite Frac Plug (drop ball)	11,081.0	11,083.0	4/22/2015	5/5/2015	Stage 11
Composite Frac Plug (drop ball)	11,353.0	11,355.0	4/22/2015	5/6/2015	Stage 10
Composite Frac Plug (drop ball)	11,625.0	11,627.0	4/21/2015	5/6/2015	Stage 9
Composite Frac Plug (drop ball)	11,897.0	11,899.0	4/20/2015	5/6/2015	Stage 8
Composite Frac Plug (drop ball)	12,169.0	12,170.5	4/20/2015	5/6/2015	Frac Stimulation Plug
Composite Frac Plug (drop ball)	12,441.0	12,442.0	4/19/2015	5/6/2015	Frac Stimulation Plug
Composite Frac Plug (drop ball)	12,713.0	12,714.5	4/19/2015	5/6/2015	Frac Stimulation Plug
Composite Frac Plug (drop ball)	12,975.0	12,976.0	4/18/2015	5/6/2015	Frac Stimulation Plug
Composite Frac Plug (drop ball)	13,257.0	13,259.0	4/18/2015	5/6/2015	Frac Stimulation Plug
Composite Frac Plug (drop ball)	13,529.0	13,530.0	4/17/2015	5/6/2015	Frac Stimulation Plug