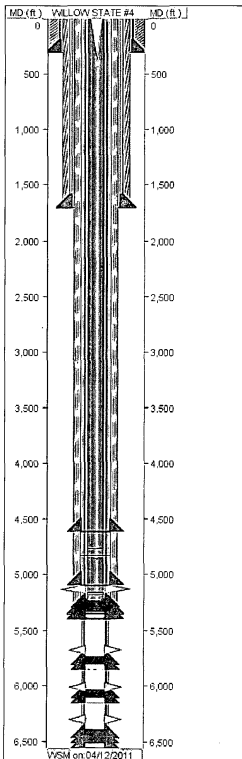


Well ID: 30-015-32844

Well Name: WILLOW STATE #4

Event#: 3.00

Report Dates: 04/12/2011



PIPE SPECIFICATION

STRING NAME	SECTION NAME	JOINT COUNT	START DEPTH	END DEPTH	LENGTH	OD SIZE	ID SIZE	WT GRDNT	GRD	CONN
SURFACE	CASING		0.00	300.00	300.00	13.38	12.71	48.0	H-40	
INTERMEDIATE #1	CASING		0.00	1701.00	1701.00	9.63	8.54	53.5	L-80	
PRODUCTION	FLOAT SHOE		5394.50	5396.00	1.50	5.50	4.89	17.0	J-55	
PRODUCTION	CASING	1	5352.50	5394.50	42.00	5.50	4.89	17.0	J-55	
PRODUCTION	FLOAT COLLAR	1	5351.00	5352.50	1.50	5.50	4.89	17.0	J-55	
PRODUCTION	CASING	1	5109.00	5351.00	242.00	5.50	4.89	17.0	J-55	
PRODUCTION	MARKER JOINT	1	5095.00	5109.00	14.00	5.50	4.89	17.0	J-55	
PRODUCTION	CASING	1	4617.00	5095.00	478.00	5.50	4.89	17.0	J-55	
PRODUCTION	DV TOOL	1	4614.00	4617.00	3.00	5.50	4.89	17.0	J-55	
PRODUCTION	CASING	1	0.00	4614.00	4614.00	5.50	4.89	17.0	J-55	
TUBING	BULL PLUG		5248.59	5249.26	0.67	2.88	2.44	6.5	J-55	
TUBING	TUBING	2	5187.23	5248.59	61.36	2.88	2.44	6.5	J-55	
TUBING	DESANDER		5169.01	5187.23	18.22	2.88	2.44	6.5	J-55	
TUBING	SEAT NIPPLE		5167.91	5169.01	1.10	2.88	2.44	6.5	J-55	
TUBING	TUBING	11	4835.37	5167.91	332.54	2.88	2.44	6.5	J-55	
TUBING	TUBING ANCHOR		4832.69	4835.37	2.68	5.50	4.89	17.0	L-80	
TUBING	TUBING	2	4771.05	4832.69	61.64	2.88	2.44	6.5	J-55	
TUBING	MARKER JOINT		4769.05	4771.05	2.00	2.88	2.44	6.5	J-55	
TUBING	TUBING	156	0.00	4769.05	4769.05	2.88	2.44	6.5	J-55	
PRODUCTION LINER	FLOAT SHOE		6558.55	6560.00	1.45	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CASING	1	6514.21	6558.55	44.34	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CENTRALIZER		6512.84	6514.21	1.37	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	FLOAT COLLAR		6511.19	6512.84	1.65	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CASING	1	6466.83	6511.19	44.36	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CENTRALIZER		6465.46	6466.83	1.37	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CASING	7	6154.84	6465.46	310.62	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CENTRALIZER		6153.47	6154.84	1.37	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CASING	1	6109.12	6153.47	44.35	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CENTRALIZER		6107.75	6109.12	1.37	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CASING	6	5853.66	6107.75	254.09	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CENTRALIZER		5852.29	5853.66	1.37	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CASING	1	5809.46	5852.29	42.83	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CENTRALIZER		5808.09	5809.46	1.37	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CASING	10	5386.80	5808.09	421.29	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CENTRALIZER		5385.43	5386.80	1.37	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CASING	1	5342.78	5385.43	42.65	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CENTRALIZER		5341.41	5342.78	1.37	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CASING	1	5298.79	5341.41	42.62	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	STAGE TOOL		5295.74	5298.79	3.05	4.00	3.43	11.6	L80	UTFJ
PRODUCTION LINER	CASING	125	10.68	5295.74	5285.06	4.00	3.43	11.6	L80	UTFJ

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MAY 10 2011

NMOCD ARTESIA

PIPE SPECIFICATION											
STRING NAME	SECTION NAME	JOINT COUNT	START DEPTH	END DEPTH	LENGTH	OD SIZE	ID SIZE	WT GRDNT	GRD	CONN	
PRODUCTION LINER	KB			10.68	10.68						
PRODUCTION LINER					0.00						

CEMENTING					
STRING NAME	STAGE #	LEAD TOP (est) (ft)	LEAD TOP (ver) (ft)	TAIL TOP (est) (ft)	TAIL TOP (ver) (ft)
SURFACE	1	0.0	0.0		
INTERMEDIATE #1	1	0.0	0.0		
PRODUCTION	1	4617.0	4617.0		
PRODUCTION	2	0.0	0.0		
PRODUCTION LINER	1	5295.0	5295.0		

BHA STRING				
DRILL EQUIP CODE	DESCRIPTION	LENGTH	OD SIZE	ID SIZE

PERFORATION							
ZONE	JOB REPORT DATE	ZONE NAME	TOP DEPTH	BOTTOM DEPTH	HOLE SIZE	PEN SIZE	SQUEEZED
1	07/23/2003	LOWER BLINEBRY	5012.00	5257.00			N
1	03/25/2011	LOWER BLINEBRY	6200.00	6400.00	0.34	18.50	N
2	03/26/2011	MIDDLE BLINEBRY	5900.00	6121.00	0.41	18.50	N
3	03/26/2011	UPPER BLINEBRY	5550.00	5800.00	0.41	18.50	N