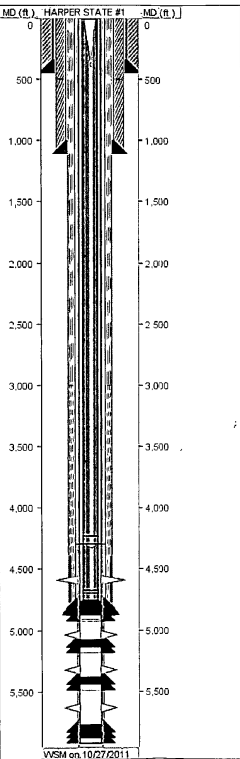


Well ID: 30-015-30831 Well Name: HARPER STATE #1 Event#: 6.00 Report Dates: 10/27/2011



PIPE SPECIFICATION

STRING NAME	SECTION NAME	JOINT COUNT	START DEPTH	END DEPTH	LENGTH	OD SIZE	ID SIZE	WT GRDNT	GRD	CONN
SURFACE	CASING	1	0.00	445.00	445.00	13.38	12.71	48.0		
INTERMEDIATE #1	CASING	1	0.00	1110.00	1110.00	8.63	7.51	49.0	H-40	
PRODUCTION	CASING	1	0.00	4870.00	4870.00	5.50	4.89	17.0	J-55	
TUBING	BULL PLUG		4762.23	4762.73	0.50	2.88				
TUBING	TUBING	2	4699.23	4762.23	63.00	2.88				
TUBING	DESANDER		4679.98	4699.23	19.25	2.88				
TUBING	SEAT NIPPLE		4678.88	4679.98	1.10	2.88				
TUBING	TUBING	12	4301.00	4678.88	377.88	2.88				
TUBING	TUBING ANCHOR		4298.00	4301.00	3.00	5.50				
TUBING	TUBING	2	4235.00	4298.00	63.00	2.88				
TUBING	2' MKR SUB		4233.00	4235.00	2.00	2.88				
TUBING	TUBING	134	12.00	4233.00	4221.00	2.88				
TUBING	DATUM		0.00	12.00	12.00	2.88				
TUBING				0.00	0.00					
PRODUCTION LINER	FLOAT SHOE		5917.32	5918.69	1.37	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CASING	1	5875.56	5917.32	41.76	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CENTRALIZER		5874.19	5875.56	1.37	4.75	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	FLOAT COLLAR		5872.82	5874.19	1.37	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CASING	1	5829.17	5872.82	43.65	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CENTRALIZER		5827.80	5829.17	1.37	4.75	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CASING	8	5485.60	5827.80	342.20	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CENTRALIZER		5484.23	5485.60	1.37	4.75	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CASING	1	5439.88	5484.23	44.35	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CENTRALIZER		5438.51	5439.88	1.37	4.75	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CASING	6	5181.93	5438.51	256.58	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CENTRALIZER		5180.56	5181.93	1.37	4.75	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CASING	1	5137.21	5180.56	43.35	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CENTRALIZER		5135.84	5137.21	1.37	4.75	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CASING	5	4921.41	5135.84	214.43	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CENTRALIZER		4920.04	4921.41	1.37	4.75	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CASING	1	4876.04	4920.04	44.00	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CENTRALIZER		4874.67	4876.04	1.37	4.75	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CASING	1	4830.14	4874.67	44.53	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	STAGE COLLAR		4827.09	4830.14	3.05	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	CASING	112	2.76	4827.09	4824.33	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	SUB		0.76	2.76	2.00	4.00	3.75	11.6	L-80	UTFJ
PRODUCTION LINER	HANGER		0.00	0.76	0.76	4.00	3.75			

CEMENTING

STRING NAME	STAGE #	LEAD TOP (est) (ft)	LEAD TOP (ver) (ft)	TAIL TOP (est) (ft)	TAIL TOP (ver) (ft)
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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	500.0	
PRODUCTION	1	4224.0	4224.0		
PRODUCTION	2	0.0	0.0	3000.0	
PRODUCTION LINER	1			4830.0	4830.0

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	01/19/2010	LOWER BLINBRY	5530.00	5730.00	0.41	108.00	
2	01/21/2010	MIDDLE BLINEBRY	5220.00	5420.00	0.41	25.00	
3	01/21/2010	UPPER BLINEBRY	4950.00	5120.00	0.41	25.00	N
4	02/09/2000	PADDOCK ZONE	4397.00	4778.50			Y
4	01/21/2010	PADDOCK ZONE	4397.00	4778.50	0.41	25.00	Y
4	09/20/2011	PADDOCK ZONE	4398.00	4790.00	0.34		N