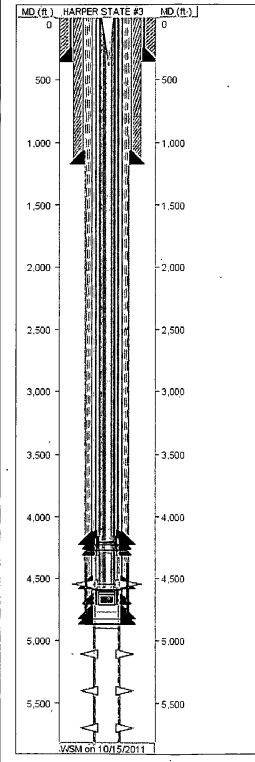


Well ID: 30-015-31002

Well Name: HARPER STATE #3

Event#: 6.00

Report Dates: 10/15/2011



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	350.00	350.00	13.38	12.71	48.0	H-40	
INTERMEDIATE #1	CASING		0.00	1171.00	1171.00	8.63	7.92	32.0	J-55	
PRODUCTION	FLOAT SHOE		4868.50	4870.00	1.50	5.50	4.89	17.0	J-55	
PRODUCTION	CASING	1	4826.50	4868.50	42.00	5.50	4.89	17.0	J-55	
PRODUCTION	FLOAT COLLAR	1	4825.00	4826.50	1.50	5.50	4.89	17.0	J-55	
PRODUCTION	CASING	1	4600.00	4825.00	225.00	5.50	4.89	17.0	J-55	
PRODUCTION	MARKER JOINT	1	4584.00	4600.00	16.00	5.50	4.89	17.0	J-55	
PRODUCTION	CASING	1	4229.00	4584.00	355.00	5.50	4.89	17.0	J-55	
PRODUCTION	DV TOOL	1	4226.00	4229.00	3.00	5.50	4.89	17.0	J-55	
PRODUCTION	CASING	1	0.00	4226.00	4226.00	5.50	4.89	17.0	J-55	
TUBING	BULL PLUG		4714.58	4714.96	0.38	2.88	2.44	6.5	J-55	8-
TUBING	MUD ANCHOR	3	4627.34	4714.58	87.24	2.88	2.44	6.5	J-55	8-
TUBING	CAVINS		4608.04	4627.34	19.30	2.88	2.44	6.5	J-55	8-
TUBING	SEAT NIPPLE		4607.24	4608.04	0.80	2.88	2.44	6.5	J-55	8-
TUBING	TUBING	2	4547.32	4607.24	59.92	2.88	2.44	6.5	J-55	8-
TUBING	FIKE TBG DRAIN		4546.77	4547.32	0.55	2.88	2.44	6.5	J-55	8-
TUBING	TUBING	9	4272.67	4546.77	274.10	2.88	2.44	6.5	J-55	8-
TUBING	TUBING ANCHOR		4269.67	4272.67	3.00	5.50	4.89	17.0	J-55	8-
TUBING	TUBING	2	4210.65	4269.67	59.02	2.88	2.44	6.5	J-55	8-
TUBING	MARKER SUB		4208.65	4210.65	2.00	2.88	2.44	6.5	J-55	8-
TUBING	TUBING	141	0.00	4208.65	4208.65	2.88	2.44	6.5	J-55	8-
PRODUCTION LINER	FLOAT SHOE		5820.95	5822.32	1.37					
PRODUCTION LINER	CASING	1	5776.00	5820.95	44.95					
PRODUCTION LINER	CENTRALIZER		5774.63	5776.00	1.37					
PRODUCTION LINER	FLOAT COLLAR		5773.26	5774.63	1.37					
PRODUCTION LINER	CASING	1	5729.81	5773.26	43.45					
PRODUCTION LINER	CENTRALIZER		5728.44	5729.81	1.37					
PRODUCTION LINER	CASING	15	5057.30	5728.44	671.14					
PRODUCTION LINER	CENTRALIZER		5055.93	5057.30	1.37					
PRODUCTION LINER	CASING	1	5011.31	5055.93	44.62					
PRODUCTION LINER	CENTRALIZER		5009.94	5011.31	1.37					
PRODUCTION LINER	CASING	6	4750.67	5009.94	259.27					
PRODUCTION LINER	CENTRALIZER		4749.30	4750.67	1.37					
PRODUCTION LINER	CASING	1	4706.35	4749.30	42.95					
PRODUCTION LINER	CENTRALIZER		4704.98	4706.35	1.37	4.00	3.29	11.6		
PRODUCTION LINER	CASING	9	4309.65	4704.98	395.33	4.00	3.29	11.6		
PRODUCTION LINER	CENTRALIZER		4308.28	4309.65	1.37	4.00	3.29	11.6	N-80	
PRODUCTION LINER	CASING	1	4263.11	4308.28	45.17	4.00	3.29	11.6	N-80	
PRODUCTION LINER	CENTRALIZER		4261.74	4263.11	1.37	4.00	3.29	11.6	N-80	
PRODUCTION LINER	CASING	1	4216.64	4261.74	45.10	4.00	3.29	11.6	N-80	

PIPE SPECIFICATION										
STRING NAME	SECTION NAME	JOINT COUNT	START DEPTH	END DEPTH	LENGTH	OD SIZE	ID SIZE	WT GRDNT	GRD	CONN
PRODUCTION LINER			4213.59	4216.64	3.05	4.00	3.29	11.6	N-80	
PRODUCTION LINER	CASING	96	4.10	4213.59	4209.49	4.00	3.29	11.6	N-80	
PRODUCTION LINER		3	2.50	4.10	1.60	4.00	3.29	11.6	N-80	
PRODUCTION LINER				2.50	2.50					

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	800.0	
PRODUCTION	1	4225.0	4226.0	4225.0	4225.0
PRODUCTION	2	0.0	0.0	2500.0	
PRODUCTION LINER	1			4771.0	4771.0

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	12/10/2008	LOWER BLNBRY	5600.00	5800.00	0.41	18.50	N
2	12/19/2008	MIDDLE BLNBRY	5300.00	5500.00	0.41	18.50	N
3	12/20/2008	UPPER BLNBRY	5010.00	5210.00	0.41	18.50	N
4	07/25/2000	PADDOCK ZONE	4371.00	4780.00			Y
4	09/23/2011	PADDOCK ZONE	4370.00	4720.00	0.41	18.50	N