

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11054
LOCATION 37+22
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TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7/1/12	Thomson USX 67-290	6	2N	65W	Weld	
CHARGE TO		OWNER				
MAILING ADDRESS		OPERATOR				
CITY		CONTRACTOR				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION		TIME LEFT LOCATION				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
12 1/4					
TOTAL DEPTH	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
1055					
PBTD	TUBING WEIGHT	OPEN HOLE	STRING		
1000					
CASING SIZE	TUBING CONDITION		TUBING		
8 3/8					
CASING DEPTH		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
1045					
CASING WEIGHT	PACKER DEPTH		SURFACE PIPE		BREAKDOWN BPM
241 lb			[] PRODUCTION CASING		INITIAL BPM
CASING CONDITION			[] SQUEEZE CEMENT		FINAL BPM
Good			[] ACID BREAKDOWN		MINIMUM BPM

PRESSURE SUMMARY			[] ACID STIMULATION		MAXIMUM BPM
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	[] ACID SPOTTING	AVERAGE BPM
FINAL DISPLACEMENT	psi	ISIP	psi	[] MISC PUMP	
ANNULUS	psi	5 MIN SIP	psi	[] OTHER	HYD HHP = RATE X PRESSURE X 40.8
MAXIMUM	psi	15 MIN SIP	psi		
MINIMUM	psi				

INSTRUCTIONS PRIOR TO JOB Rig up Safety meeting PST test Per co-man Circ 30 bbls KLL H2O w/out dye
mix & pump 283 sks cement at 15% excess yield 1.32 at 14.5 lbs per the lead then mix & pump 100 sks yield 1.27
at 15.2 lbs per the tail Release Plug disp 63.7 bbls H2O bump Plug 150 psi over 1 1/4 psi waits min release pri
washup rig down H2O test ok

Arrived w/ 750 sks cement 9:01 KLL

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 7:23 AM Circ 8:30 AM Cement 8:42 AM
Stopement 8:42 AM 9:10 Drop plug 9:10 AM Rise 9:10 AM
10 bbls at 3-0 BB/s/h 9:19 AM 140 PSI
20 bbls at 3-0 BB/s/h 9:23 AM 140 PSI
20 bbls at 3-0 BB/s/h 9:26 AM 180 PSI
40 bbls at 3-0 BB/s/h 9:29 AM 280 PSI
50 bbls at 3-0 BB/s/h 9:35 AM 350 PSI
60 bbls at 3-4 BB/s/h 9:38 AM 380 PSI
63.7 bbls at 1-5 BB/s/h 9:43 AM 380 PSI
Bump Plug at 1-5 BB/s/h 9:43 AM 500 PSI
used 15 % excess
used 283 sks cement lead
used 100 sks cement tail
66.53 bbls slurry lead
22.6 bbls slurry tail

left w/ 267 sks cement 9:43 KLL 885 Back 9

Lloyd Rowell

7/1/12