

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10329

LOCATION 70 + 55

FOREMAN Mike Rosalce
LP mark

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-2-11	TYEUSX A 15-040				Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon 143
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 2:45 AM	TIME LEFT LOCATION 6:45

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 915	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 868.95	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 909.78		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 211BS	PACKER DEPTH		1 SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION Good			[] PRODUCTION CASING	INITIAL BPM	
			[] SQUEEZE CEMENT	FINAL BPM	
			[] ACID BREAKDOWN	MINIMUM BPM	
			[] ACID STIMULATION	MAXIMUM BPM	
			[] ACID SPOTTING	AVERAGE BPM	
			[] MISC PUMP		
			[] OTHER	HYD HHP = RATE X PRESSURE X 40.8	

PRESSURE SUMMARY		
BREAKDOWN or CIRCULATING psi	AVERAGE psi	
FINAL DISPLACEMENT psi	ISIP psi	
ANNULUS psi	5 MIN SIP psi	
MAXIMUM psi	15 MIN SIP psi	
MINIMUM psi		

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSI test, Circulate 50 BBls H₂O/KCL mix and 10 Dye mix and Pump 387 sks Cement (30% excess) yield 1.27 15-2 1BS or until 1 Company man stops us. No more than 30% Excess per Company man, Release Plug, Displace 55.3 BBls H₂O, Pump Plug at 150 PSI over left. Wait 5 min Release PSI. Wash up Rig Down. H₂O Test Good.
Arrived with 650 sks Cement 4 gal KCL 16 oz Dye 87.5 Slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 4:15 am Circulate 4:50 am Cement 5:02 am
Drop Plug 5:28 am Displace 5:28 am

10 BBls at 5-0 BBm 5:31 am PSI 230	Used 22% Excess
20 BBls at 5-0 BBm 5:33 am 260 PSI	Used 364 sks Cement
30 BBls at 5-0 BBm 5:35 am 400 PSI	82.3 Slurry
40 BBls at 5-0 BBm 5:37 am 490 PSI	
50 BBls at 3-5 BBm 5:40 am 460 PSI	
55.3 BBls at 1-0 BBm 5:42 am 380 PSI	
Pump Plug 5:42 am 560 PSI	

Left locating with 286 sks Cement 2 gal 3 Qtz KCL & Dye 17 BBls Back to surface

[Signature]
AUTHORIZATION TO PROCEED

TITLE

9-2-11

DATE