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CEMENTING, INC.

REF. INVOICE # 8562

LOCATION 37th St. + Two Rivers Pkwy

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-26-09	BENSLEY J 29-210	29	5N	66W	Weld	

CHARGE TO Noble	OWNER	RECEIVED OCT 28 2011 COCOC
MAILING ADDRESS	OPERATOR Noble	
CITY	CONTRACTOR Ensign Rig 12C	
STATE ZIP CODE	DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION 7:00 pm	TIME LEFT LOCATION 11:15 pm.	

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 500	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 448.34	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 491.94		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb.	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION Good			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
			<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> 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, Circ 30 bbls H₂O with KCL + Dye in 2nd 10 bbls + Last 5 bbls, Mix + pump 50% Excess = 222 Sacks CEMENT at 145 lbs. 1.4 yield or tell Dye is seen, Drop plug, Displace 28.5 bbls H₂O, Bump plug at NO MORE THAN 150 PSI OVER Lift PSI, Wait 5 min then bleed off PSI, Wash up, Rig down, WE HAVE 600 Sacks CEMENT, 8 oz Dye, 13 qts KCL

55.35 bbls Slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 9:51 pm, ~~Circ~~ Circ 10:12 pm, CEMENT 10:18 pm
Drop plug 10:28 pm, Displace 10:30 pm.

10 bbls 290 Psi 10:34 pm 7.0 bbls/m
20 bbls 300 Psi 10:37 pm 6.0 bbls/m
285 bbls 130 Psi 10:41 pm .8 bbls/m

Bump Plug 320 Psi at 10:41 pm

Left with 378 Sacks CEMENT, 2 oz. Dye, 10 qts KCL

10 bbls Slurry To The Pit

AUTHORIZATION TO PROCEED

Company REP
TITLE

9-26-09

DATE