

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10187

LOCATION WCR 396+275

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-22-11	FINE RIVERS K 09-30D	4	4N	66W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>SAXON Rig 145</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>4:30 AM.</u>	TIME LEFT LOCATION <u>4:00 PM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>586</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTP 535.78</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH <u>579.21</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>2416.</u>	PACKER DEPTH	<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
CASING CONDITION <u>Good</u>		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
		<input type="checkbox"/> SOEZE 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 IHP = RATE X PRESSURE X 40.8	

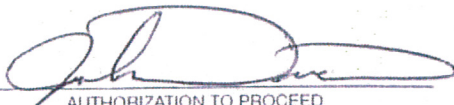
PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING psi	AVERAGE psi		
FINAL DISPLACEMENT psi	ISIP psi		
ANNULUS psi	5 MIN SIP psi		
MAXIMUM psi	15 MIN SIP psi		
MINIMUM psi			

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Circ 30 bbls H₂O with KCL + Dye x 16 in 2nd 10 bbls, Mix & pump tell Dye is seen then pump tub only at 152 lbs 127 yield, Don't go over 50% excess without talking to Company Man, Drop plug, Displace 34.1 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min, Then bleed off Psi, Washup, Rig down, H₂O Tested good, We have 705 SKs, 32 oz Dye, 10 Qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 1:52 pm, Circ 2:37 pm, Cement 2:43 pm to 3:01 pm
Drop Plug 3:03 pm, Displace 3:04 pm
10 bbls 470 Psi 3:07 pm 7.0 bbls/m
20 bbls 510 Psi 3:09 pm 7.0 bbls/m
30 bbls 440 Psi 3:10 pm 4.5 bbls/m
34.1 bbls 300 Psi 3:12 pm 1.0 bbls/m
Bump Plug 530 Psi at 3:12 pm Float Collar Held
USED 57 1/2 % EXCESS = 300 SKs, 6785 bbls Slurry
Avg Cement 3.76 bbls/m
Left with 405 SKs, 1602 Dye, 7 Qts KCL

17 bbls Slurry To The P.T



Co-Man

7-22-11

AUTHORIZATION TO PROCEED

TITLE

DATE