

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9636  
 LOCATION Hwy 34 & 55  
 FOREMAN Grant Lowe

## TREATMENT REPORT

DATE <b>3-13-11</b>	WELL NAME <b>Klein B15-13D</b>	SECTION <b>16</b>	TWP <b>5N</b>	RGE <b>64W</b>	COUNTY <b>Weld</b>	FORMATION
CHARGE TO <b>Noble</b>			OWNER			
MAILING ADDRESS			OPERATOR <b>Noble</b>			
CITY			CONTRACTOR <b>H&amp;P 343</b>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <b>12:50 AM</b>			TIME LEFT LOCATION			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <b>12 1/4</b>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <b>760</b>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<b>PBTD 708.31</b>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <b>8 5/8</b>	TUBING CONDITION		TUBING		
CASING DEPTH <b>751.71</b>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <b>24 lb</b>	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <b>Good</b>			<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 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, per Co. Man, circulate 45 bbls H<sub>2</sub>O with KCL + Dye x 10 in 2nd 10 bbls, Mix and pump til dye is seen, Mix 10 bbls slurry + tub @ 15.2 lbs 1.27 yield, drop plug, displace 45.1 bbls H<sub>2</sub>O, bump plug @ 150 psi over lift psi, wait 5 min, bleed off pres, wash up, rig down, H<sub>2</sub>O tested good, ~~50~~ we have 650 sacks, 26 oz dye, 15 gts KCL**

JOB SUMMARY  
 DESCRIPTION OF JOB EVENTS **Safety meeting @ 4 AM, Circ @ 6:43 AM, Cement @ 6:52 AM to 7:09 AM, Drop plug 7:12 AM, Displace 7:13 AM, 10 bbls - 250 psi, 7:16 AM, 7.0 bbls/m, 20 bbls - 420 psi, 7:17 AM, 7.0 bbls/m, 30 bbls - 500 psi, 7:19 AM, 7.0 bbls/m, 40 bbls - 500 psi 7:21 AM, 6.0 bbls/m, 45.1 bbls - 320 psi, 7:23 AM, 1.0 bbls/m, Bump plug 420 psi @ 7:23 AM, Float collar held used 30% excess = 322 sacks, 72.83 bbls/slurry average cement 4.28 bbls/m left with 328 sacks, ~~10~~ 16 oz dye, 10 gts KCL 6 bbls slurry to pit**

 AUTHORIZATION TO PROCEED  
 TITLE  
 DATE **3-13-11**

Customers hereby acknowledges and specifically agrees to the terms and conditions on this work order, including, without limitation, the provisions on the reverse side hereof which include the release and indemnity