

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE #

9636

LOCATION

Hwy 34 & 55

FOREMAN

Grant Lowe

TREATMENT REPORT

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

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 760	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 708.31	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 751.71		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		[] 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

INSTRUCTIONS PRIOR TO JOB: Rig up, Safety meeting, per Co. Man, circulate 45 bbls H₂O 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 H₂O, bump plug @ 150 psi over lift psi, wait 5 min, bleed off pres, wash up, rig down, H₂O tested good, ~~50~~ we have 650 sacks, 26 oz dye, 15 gts KCL

JOB SUMMARY
DESCRIPTION OF JOB EVENTS: Safety meeting 6:04 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, avg cement 4.28 bbls/m, left with 328 sacks, 16 oz dye, 10 gts KCL, 6 bbls slurry to pit

AUTHORIZATION TO PROCEED	TITLE	DATE 3-13-11
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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