

**BISON OIL WELL CEMENTING, INC.**

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**TREATMENT REPORT**

DATE	5/17/12
WELL NAME	Gutherson 004-310
SECTION	S
TWP	3N
RGE	64W
COUNTY	Weld
FORMATION	

OWNER	Noble
OPERATOR	Noble
CONTRACTOR	Enggo 132
CITY	
STATE ZIP CODE	
TIME ARRIVED ON LOCATION	10:45 am

HOLE SIZE	12 1/2
TUBING SIZE	750
TUBING DEPTH	250
TUBING WEIGHT	69.6
CASING SIZE	8 5/8
CASING DEPTH	745
CASING WEIGHT	24 lbs
CASING CONDITION	Good

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

INSTRUCTIONS PRIOR TO JOB	
Rig up Safety meeting before work. Circ 40 lbs kill fluid and 10 gal dye mix. Pump 313 lbs cement at 30% excess at 1.27 yield at 15.2 lbs or until 10 min stop. Release plug. Discharge 313 lbs H2O Pump Plug 150 psi over lift psi wait 5 min release psi. Wash it rig down.	

JOB SUMMARY	
Arrived w/ 650 lbs cement 4 gal KCl 16 oz dye	
Cement 12150 lbs	
Dis 1143	

DESCRIPTION OF JOB EVENTS	
10 bbl at 1143pm 180psi	
20 bbl at 1150pm 320psi	
30 bbl at 1153pm 370psi	
40 bbl at 1156pm 450psi	
445 bbl at 2101pm 4180psi	
Bump Plug at 2101pm 460psi	

left w/ 215 sks cement 3 gal KCl	
bbls back 21	
DATE	5/17/12
TITLE	Noble WSS
AUTHORIZATION TO PROCEED	

Customers hereby acknowledge and specifically agree 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.