

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9807
LOCATION 44R 55+36
FOREMAN Daniel S. Heman

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-6-11	Cody 003-28	3	3N	64W	Weld	
CHARGE TO <u>Noble</u>			OWNER			
MAILING ADDRESS			OPERATOR <u>Noble</u>			
CITY			CONTRACTOR <u>ENGIN 55</u>			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION <u>9:51am</u>			TIME LEFT LOCATION <u>2:45pm</u>			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>710.1</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>660.36</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>703.61</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>21#</u>	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>good</u>			[] 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

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. Psi test. Circ 92 bbls of H₂O w/ KCL 2% 10 w/ Pac Dye, mix & pump 300
Stk of Cement @ 30% Excess @ 15.2" @ 1.27 yield, or until stopped By Co Man, Drop Plug Displace 42 bbls
of H₂O Bump Plug @ 150 psi over last psi wait 5 min Release psi and shut Rig Down

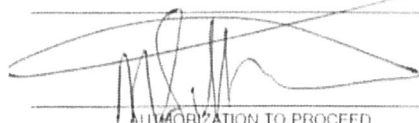
Arrived w 600 Stk of Cement 9a / KCL 32oz Dye 6 bbls of Slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 12:58 pm Circ 1:15 pm Cement 1:26 pm
Drop Plug 1:51 am Displace 1:51 pm

10 bbls	6.0 / m	260 psi	1:54 pm	Used 231 Stk of Cement 0% Excess 52.2 bbls of Slurry
20 bbls	6.0 / m	340 psi	1:56 pm	
30 bbls	6.0 / m	480 psi	1:58 pm	
40 bbls	1.0 / m	340 psi	2:01 pm	
42 bbls	1.0 / m	360 psi	2:03 pm	
Bump Plug		520 psi	2:03 pm	

Left w 369 Stk of Cement 3g / KCL 22oz Dye 8 bbls of Slurry Back



AUTHORIZATION TO PROCEED

TITLE

DATE

5-6-11

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