

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 6-2-11
LOCATION WCR 55+34
FOREMAN Daniel Saltzman

TREATMENT REPORT

DATE <u>6-2-11</u>	WELL NAME <u>Tania D 11-28</u>	SECTION <u>2</u>	TWP <u>3N</u>	RGE <u>6W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&P 343</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>7:24 AM</u>		TIME LEFT LOCATION <u>12:30</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>770.0</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>737.64</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>764.12</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24#</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"/> SQUEEZE 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, psi test, Circ 40 bbls of H₂O w KCL, 2nd 10 w 100% Dye, mix & pump 32.6 sks of Cement @ 30% EXCESS @ 152' @ 1.27 yield or until stopped by Co man, Drop Plug Displace 46.9 bbls of H₂O Bump Plug @ 150 psi over 1.4 ft psi wait 5 min Release psi wash up Rig Down

Arrival w 600 sks of Cement 5 gal KCL, 32 oz Dye 73.7 bbls of Slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 10:26 AM Circ 10:52 AM Cement 11:02 AM
Drop Plug 11:21 AM Displace 11:21 AM

10 bbls	6.0/m	260 psi	11:26 AM	used 264 sks of Cement 6% EXCESS 59.7 bbls of Slurry
20 bbls	6.0/m	490 psi	11:27 AM	
30 bbls	6.0/m	560 psi	11:28 AM	
40 bbls	3.5/m	500 psi	11:30 AM	
46.9 bbls	1.0/m	350 psi	11:32 AM	
Bump Plug 610 psi 11:32 AM				

Left w 336 sks of Cement 4 gal KCL, 22 oz Dye 10 bbls of Slurry Back

J.R.

6-2-11

AUTHORIZATION TO PROCEED

TITLE

DATE

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