

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9781

LOCATION WCR 50+59

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE <u>4-18-11</u>	WELL NAME <u>MARLEY C 01-180</u>	SECTION <u>1</u>	TWP <u>4N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>ENsign Rig 128</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>3:30 AM</u>		TIME LEFT LOCATION <u>7:45 AM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>602</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 537.35</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>597.45</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb.</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	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> MISC PUMP	
MINIMUM	psi			<input type="checkbox"/> OTHER	

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Circ 30 bbls H₂O with KCL + Dye x 10 in 2nd 10 bbls, Mix + pump tell dye is seen then pump tub only at 15.2 lbs. 1.27 yield, Drop plug, Displace 35.5 bbls H₂O, Bump plug at 150 Psi over Lift Psi wait 5 min. then bleed off Psi, Wash up, Rig down, H₂O tested good, We have 700 SKs, 32 oz Dye, 20 qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 6:07 am, Circ 6:23 am, CEMENT 6:32 am, to 6:48 am

Drop plug 6:50 am, Displace 6:51 am

10 bbls 300 Psi 6:54 am 7.0 bbls/m

20 bbls 400 Psi 6:55 am 7.0 bbls/m

30 bbls 420 Psi 6:57 am 6.0 bbls/m

35.5 bbls 290 Psi 6:59 am 1.0 bbls/m

Bump Plug 530 Psi at 6:59 am Float Collar Held

USED 82% EXCESS = 357 SKs, 80.74 bbls Slurry

Avg Cement 5.04 bbls/m

Left with 343 SKs, 22 oz Dye, 17 qts KCL

13 bbls Slurry To The Pit

[Signature]

[Signature]

4-18-11

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.