

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10340
LOCATION WCE 36715
FOREMAN MIKE ROSALCZ
LR MARKS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-17-11	Berry P 08 18-15	8	3W	67W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 124</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:45</u>	TIME LEFT LOCATION <u>2:45 Am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>497</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 444.15</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>489.51</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>241BS</u>	PACKER DEPTH		<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION			<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, Salty meeting, PSE TEST, Circulate 30 BBLs H2O / KCL 2nd Ten
Dye, pump 210 sks Cement (30% Excess) yield 1.27, at 15.21BS / or until Company stoppers use
No more than 35% Excess per Company man, Release Plug Displace 28.2 BBLs H2O Bump Plug at 150
PS over lift, wait 10 min Release PSE, Wash up, Rig Down H2O TEST

Arrive on location with 575 sks Cement 3 gal KCL 16 oz Dye Slurry 47.4
JOB SUMMARY
DESCRIPTION OF JOB EVENTS Salty meeting 12:40 Am Circulate 1:10 Am Cement 1:18 Am
Drop Plug 1:30 Am Displace 1:33 Am

10 BBLs at 5-4 BBLs/m 1:37 Am 270 PSI used 27 % Excess
20 BBLs 3-5 BBLs/m 1:40 Am 290 PSI used 207 sks Cement
28.2 BBLs 1-5 BBLs/m 1:43 Am 200 PSI Slurry 4/6.8

Bump Plug 1:43 Am 500 PSI

Left with 368 sks Cement 2 gal KCL 16 oz Dye BBLs Back 9

Robert L S
AUTHORIZATION TO PROCEED

TITLE

DATE 9-17-11

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.