

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9244

LOCATION WCR 55+80

FOREMAN Daniel Saltzman

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-22-10	Dillard USX AB 05-15P	5	7N	64W	Weld	
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Cade 21</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>3:20 AM</u>		TIME LEFT LOCATION <u>9:10 AM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>899.10</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PAID 838.88</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>882.06</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24#</u>	PACKER DEPTH		[X] 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

INSTRUCTIONS PRIOR TO JOB Rig up, Saffy meeting, Psi test to 500 psi, Circ 50 bbls of H₂O w/ KCL 2 10/w 16oz Dye, mix & pump 30% excess 380 SKs of Cement @ 15.2 lb @ 1.27 yield or until stopped by CD man, Drop Plug Displace 53.4 bbls of H₂O Pump Plug @ 150 psi over lift psi, wait 5 min Release psi Wash up Rig Down H₂O test OK Arrived w 550 SKs of Cement 5 gal KCL 32oz Dye 85.9 bbls of Slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Saffy meeting 7:13 AM Circ 7:25 Cement 7:40 AM Drop Plug 8:10 AM Displace 8:01 AM

10 bbls	5.0 /m	170 psi	8:10 AM	used 293 SKs of cement 0% excess 66.2 bbls of Slurry
20 bbls	5.0 /m	200 psi	8:12 AM	
30 bbls	5.0 /m	300 psi	8:14 AM	
40 bbls	5.0 /m	410 psi	8:17 AM	
50 bbls	2.5 /m	800 psi	8:19 AM	
53.4 bbls	1.0 /m	410 psi	8:26 AM	
<u>Pump Plug 510 psi 8:26 AM</u>				

Left w 257 SKs 3 gal 32oz Dye 4 bbls to pit

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.