

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11452
LOCATION Wells Ranch
FOREMAN Mike Rosalee

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
3-16-12	Wells Ranch USX AA 35-6512	35	6	63	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>HHP 315</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>7:30 AM</u>	TIME LEFT LOCATION <u>11:30 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>633</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>582.77</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>9 5/8</u>	TUBING CONDITION			TUBING	

TREATMENT VIA			TYPE OF TREATMENT		TREATMENT RATE	
CASING DEPTH <u>627.77</u>			<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
CASING WEIGHT <u>36 LBS</u>	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
CASING CONDITION <u>GOOD</u>			<input type="checkbox"/> SOOZE CEMENT		FINAL BPM	

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	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PSZ TEST 1000 SPACER 50 BBLs H2O 1ST 10 SAPP KCL, 2ND 10 SOAP
Dye KCL mix + Pump 341 SKS Cement (30% EXCESS) 1.27 gals at 15-2 LBS or until Company men
stopper us, Release Plug Displace 45 BBLs H2O, Bump 250 PSZ over 1.5 ft wait 5 min Release PSZ
Wash up Rig Down Slurry 77.12

Arrive with 750 SKS Cement 100 LBS SAPP 4 gal SOAP 16 gals KCL 1602 Dye H2O TEST GOOD
JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 9:00 AM SPACER 9:33 AM Cement start 9:44 AM
Cement Finish 10:06 AM DROP Plug 10:09 AM Displace 10:09 AM

10 BBLs C+ 5-3 BBLs/m 10:12 AM 240 PSI used 6 % EXCESS
20 BBLs C+ 5-3 BBLs/m 10:14 AM 240 PSI used 279 SKS Cement
30 BBLs C+ 5-3 BBLs/m 10:16 AM 340 PSI 6310 Slurry
40 BBLs C+ 3-0 BBLs/m 10:19 AM 290 PSI Flow collar held
45 BBLs C+ 1-0 BBLs/m 10:22 AM 230 PSI
Bump Plug 1-0 BBLs/m 10:22 AM 740 PSI

BBLs Back to P.T
(6)
Left with SKS Cement 25 LBS SAPP 3 1/2 gal SOAP 11 gals KCL & Dye

MA AUTHORIZATION TO PROCEED WSS TITLE 3-16-12 DATE