

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11212

LOCATION 68-69

FOREMAN Kirk Kallhoff
Iron Scott

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-13-12	<u>Wells Ranch AA 14-66-14N</u>	<u>14</u>	<u>6N</u>	<u>63W</u>	<u>Weld</u>	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&P 315</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:30 am</u>	TIME LEFT LOCATION <u>10:30 am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>682</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 632.14</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>676.93</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>3615</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
CASING CONDITION <u>good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
PRESSURE SUMMARY			<input type="checkbox"/> SOOZE CEMENT	FINAL BPM	
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, PSI test, Per cement ^{Pump spacer} 50 BBLs KIL H2O 2nd 10wt Dye, mix & Pump 2 BBLs cement at 30% excess at 127 yield at 15.2 lbs or until cement stops up, Release Plug Disp 48.8 BBLs H2O, Pump Plug at 200psi over L.Ft PSI, wait 5 min Release PSI, wash up Rig Down.
H2O test OK

Arrived w/ 6000 lbs cement 4 gal Red 16oz Dye
83.2 BBLs slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 8:05am spacer 8:38am cement 8:48am stop cement 9:11am Drop Plug 9:14am Displace 9:14am

10 BBLs At 5 BBLs/m 9:16am 250psi
20 BBLs At 5 BBLs/m 9:18am 350psi
30 BBLs At 5 BBLs/m 9:20am 400psi
40 BBLs At 3.5 BBLs/m 9:21am 300psi
48.8 BBLs At 1 BBL/m 9:25am 250psi
Pump Plug 9:25am 550psi
PSI test casing to 1000 lbs 20 min

Used 34% excess
used 382 yds cement
86.4 BBLs slurry

L.Ft w/ 210 yds cement 2 gal 30 lbs Red 6oz Dye

BBLs Back 11

Iron Scott
AUTHORIZATION TO PROCEED

W.S.S
TITLE

7-13-12
DATE