

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9216

LOCATION Wells Ranch

FOREMAN Rick Halladay

mile R Tanker L Grand L

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-16-10	Wells Ranch AA-26-07x	26	6N	63W	Weld	

CHARGE TO <i>Noble</i>	OWNER
MAILING ADDRESS	OPERATOR <i>Noble</i>
CITY	CONTRACTOR <i>Ensign 55</i>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <i>9:30pm</i>	TIME LEFT LOCATION <i>1:00am</i>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <i>12 1/4</i>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <i>575.1</i>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <i>518.71</i>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <i>8 7/8</i>	TUBING CONDITION		TUBING		

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
CASING DEPTH <i>562.62</i>	TREATMENT VIA		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
CASING WEIGHT <i>2415</i>	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
CASING CONDITION <i>Good</i>			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM		

BREAKDOWN of 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 *Risup, safety meeting, PBTD, circ 30 BBls H2O 2nd W/Dye mix Pump 243 sls*
sls cement at 30% excess at 127yd at 15.2 lbs or until cement stops us, please plug Displace
33 BBls H2O, Pump Plug at 150psi (see LIT) PSI well sum rather PSI wash up Rig down
H2O test ok
Arrived w/ 575 sls cement 4 gallons Red 16oz Dye
54.9 BBls sls

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS *Safety meeting 11:46pm circ 11:56pm cement 12:03am*
Drop Plug 12:22 am Displace 12:22 am

10 BBls at 5.5 BBls/m 12:26am 460psi
20 BBls at 5.5 BBls/m 12:28am 560psi
30 BBls at 2.5 BBls/m 12:32am 330psi
33 BBls at 1.0 BBls/m 12:35am 280psi
Pump Plug 12:35am 460psi
used 243 sls cement
used 30% excess
54.9 BBls sls

LPTW/ 332 sls cement 3 gallons 16oz Red 16oz Dye
BBls Back 13

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