

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11046

LOCATION 34-53

FOREMAN Kirk Kallhoff
mark mike P. Lewis

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-21-12	Guthersen D30-64-1NW	29	3N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 121</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>9:00am</u>	TIME LEFT LOCATION <u>6:30pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>863</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>867.7</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
CASING DEPTH <u>853</u>		TREATMENT VIA	<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM		
CASING WEIGHT <u>36 lb</u>	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM		
CASING CONDITION <u>good</u>			<input type="checkbox"/> SQUEEZE 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, Psitast, Per roman Cicer 60 BBLS Kel H2O, 2nd 10w/ Dye mix & Pump 466 SKS cement at 30% Excess, at 1.27 yd/lb at 15.2 lbs, or until stopped By roman Release Plug Disp 62.4 BBLS H2O, Bump Plug At 150psi out Lift Psi, wait 5min Release Psi, wash up Rig Down H2O test OK
Arrival w/ 750 SKS cement 4 gal Kel 16oz Dye 105.4 BBLS slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 4:24pm cicer 4:44pm cement 5:00pm stop cement 5:21pm
Drop Plug 5:26pm Displace 5:26pm
10 BBLS At 5 BBLS/m 5:28pm 200psi Used 140 Excess
20 BBLS At 5 BBLS/m 5:30pm 270psi Used 364 SKS cement
30 BBLS At 5 BBLS/m 5:32pm 370psi 82.3 BBLS slurry
40 BBLS At 5 BBLS/m 5:35pm 460psi
50 BBLS At 5 BBLS/m 5:39pm 520psi
60 BBLS At 2.5 BBLS/m 5:42pm 330psi
62.4 BBLS At 1 BBLS/m 5:44pm 350psi
Bump Plug 5:44pm 660psi

LFTw/ 386SKS cement 2gal 2gts Kel & Dye BBLS Back 15

Dennis Rohlf CO-REP 6-21-12
AUTHORIZATION TO PROCEED TITLE DATE