

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9215

LOCATION cr 51-80

FOREMAN Kirk Kanhauf

Mike R Tucker & Grant L

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-14-10	Kohlhoff USX AE 17-04 P	17	7N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>9:30pm</u>	TIME LEFT LOCATION <u>8:00am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>870.2</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>816.16</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>860.26</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2415</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"/> 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, PSI test, circ 50 BBls Kd H2O 2nd 10w/ Dye, mix & Pump
368 sks cement at 30% excess at 1.27 yield at 15.2 lbs or until roman steps w/s. Release Plug
Displace 51.9 BBls H2O, Pump Plug at 150psi over L.F.L. PSI, wait 5min Release PSI, wash up
rig down
Arrived w/ 575 sks cement 4 sellons Kd 16oz Dye
831 BBls slurry

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Safety meeting, 5:55am circ 6:30am cement 6:42am
Drop Plug 7:07am Displace 7:07am

10 BBls At 4.5 BBls/m 7:10am 330psi
20 BBls At 4.5 BBls/m 7:12am 380psi
30 BBls At 4.5 BBls/m 7:15am 500psi
40 BBls At 4.5 BBls/m 7:18am 590psi
50 BBls At 1.0 BBls/m 7:22am 320psi
51.9 BBls At
Bump Plug no per colman

used 1096 excess
used 314 sks cement
70.3 BBls slurry

LFT w/
BBls Back 17
Randy Bayle
Rig Supervisor (Noble)
7-14-10
 AUTHORIZATION TO PROCEED TITLE DATE