

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10588

LOCATION 49-30

FOREMAN Kirk Kuhl-FF
Jessy, Pat

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-16-11	Dechant D 30-20D	30	3 N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign 128</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>12:15am</u>	TIME LEFT LOCATION <u>7:00am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>793</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>741.39</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

CASING DEPTH <u>786.84</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb</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, Pstest, Permen Circ 40 BBS KCL H2O, 2-104/Dye, mix & Pump
336 sks cement at 30% Excess at 1.27 yield at 15.2 lbs or until cement slurry is, run in then 50% Excess,
Release Plug, Disp 47.2 BBS ^{H2O}, Pump Plug at 150 psi over LIFT psi, wait 5 min Release psi,
wash up this down H2O test OK
Arrived w/ 750 sks cement 4 gal Rd 16oz Dye 75.9 BBS slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 5:00am circ 5:24am cement 5:32am
Drop Plug 6:08am Displace 6:08am
10 BBS at 5.5 BBS/lm 6:10am 260psi used 50% Excess
20 BBS at 5.5 BBS/lm 6:12am 340psi used 387 sks cement
30 BBS at 5.0 BBS/lm 6:14am 360psi 87.5 BBS slurry
40 BBS at 3.0 BBS/lm 6:17am 320psi
47.2 BBS at 1.0 BBS/lm 6:22am 300psi
Pump Plug 6:22am 560psi

Lstn/363 sks cement 3 gal KCL 6oz Dye BBS Back 10

John Mayhew Co Man. 11-16-11
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.