

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 # 10165

LOCATION WCR 51+22

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-24-11	PIONEER Y 07-07D	7	2N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN Rig 128</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:45 pm</u>	TIME LEFT LOCATION <u>11:15 pm</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>875</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 826.63</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>866.79</u>		TREATMENT VIA			

PRESSURE SUMMARY		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi	<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
FINAL DISPLACEMENT psi	ISIP psi	<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
ANNULUS psi	5 MIN SIP psi	<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
MAXIMUM psi	15 MIN SIP psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
MINIMUM psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
		<input type="checkbox"/> MISC PUMP	
		<input type="checkbox"/> OTHER	

HYD HHP = RATE X PRESSURE X 40.8			
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INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, per Company Man, Circ 50 bbls H₂O with KCL + Dye x 16 in 2nd 106 bbls, Mix + pump Tell Dye is seen then pump tub only at 15.2 lbs. 1.27 yield, Do not go over 50% EXCESS without TALKING to COMPANY MAN, Drop plug, Displace 52.6 bbls H₂O, Bump plug at 150 PSI over Lift PSI, Wait 5 min then bleed off PSI, Wash up, Rig down, H₂O Tested good, We have 700 SKS, 32 oz Dye, 10 Qts KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety Meeting 9:37 pm, Circ 9:47 pm, Cement 9:55 pm to 10:12 pm

Drop plug 10:15 pm, Displace 10:16 pm
10 bbls 300 Psi 10:18 pm 7.0 bbls/m
20 bbls 470 Psi 10:20 pm 7.0 bbls/m
30 bbls 570 Psi 10:21 pm 7.0 bbls/m
40 bbls 610 Psi 10:23 pm 7.0 bbls/m
50 bbls 560 Psi 10:31 pm 4.5 bbls/m
52.6 bbls 410 Psi 10:33 pm 1.0 bbls/m
Bump Plug 610 Psi at 10:33 pm Float Collar Held
USED 30% EXCESS = 370 SKS, 83.68 bbls Slurry
Avg Cement 4.92 bbls/m Left with 330 SKS, 16 oz Dye, 5 Qts KCL
5 bbls Slurry To The P.T

AUTHORIZATION TO PROCEED

TITLE

6-24-11

DATE