

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 # 11031

LOCATION 53-40

FOREMAN Kirk Kallhoff
Pete, Leon, Pablo

TREATMENT REPORT

DATE <u>5-27-12</u>	WELL NAME <u>Gutherson Doll-bq HW</u>	SECTION <u>15</u>	TWP <u>3N</u>	RGE <u>64W</u>	COUNTY <u>weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign 132</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>8:00pm</u>		TIME LEFT LOCATION <u>1:00am</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>761</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 710.51</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>754.52</u>	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE	
CASING WEIGHT <u>3615</u>	PACKER DEPTH	<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
CASING CONDITION <u>good</u>		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
		<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
		<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	

PRESSURE SUMMARY			
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
FINAL DISPLACEMENT	psi	15 MIN SIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB Pigup, safety meeting, Permen clear 60 BBLs Rel H2O 2nd 1000 Dye, mix!
Pump 411 SKs cement at 30% excess at 1.27 yield at 152 lbs cement till cement stops, Release
Plug Disp 583 BBLs H2O, Pump Plug at 150psi cur-Lift Psi, wait 5min Release Psi, washup
Pig down, H2O back
Arrived w/ 750 SKs cement 4 gal Rel 16oz Dye 92.9 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safety meeting 11:25pm clear 11:37pm cement 11:46pm stop cement 12:09am
Drop Plug 12:12am Displace 12:12am
10 BBLs at 6 BBLs/min 12:14am 250psi used 28% excess
20 BBLs at 6 BBLs/min 12:15am 350psi used 40% SKs cement
30 BBLs at 6 BBLs/min 12:17am 450psi 92 BBLs slurry
40 BBLs at 6 BBLs/min 12:19am 500psi
50 BBLs at 3.5 BBLs/min 12:21am 400psi
583 BBLs at 1.0 BBL/min 12:23am 400psi
Bump Plug 12:23am 990psi
Bumped Plug 2 BBLs early

LPW/343 SKs cement 2 gal 2gts Rel 6oz Dye BBLs Back 20

T. A. Bann WSS 5-27-12
AUTHORIZATION TO PROCEED TITLE DATE