

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11039
LOCATION 78+65
FOREMAN Kirk Kallhoff
Tucker, Pablo, LCO

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6/9/12	Grisby AG 19-62 HCU	30	7N	63W	Weld	
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&P 322</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>1:30 pm</u>		TIME LEFT LOCATION <u>7:00 pm</u>				

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
<u>13 3/4</u>				
TOTAL DEPTH <u>624</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
PBTD <u>576.61</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>619.15</u>		TREATMENT VIA	TYPE OF TREATMENT	
CASING WEIGHT <u>32.16</u>	PACKER DEPTH		1 SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION <u>Good</u>			1 PRODUCTION CASING	INITIAL BPM
			1 SQUEEZE CEMENT	FINAL BPM
			1 ACID BREAKDOWN	MINIMUM BPM
			1 ACID STIMULATION	MAXIMUM BPM
			1 ACID SPOTTING	AVERAGE BPM
			1 MISC PUMP	
			1 OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up Safety meeting PST test for co-man Circ 40 bbls KCL H2O 2nd 10 w/dye
mix & pump 337 sks cement at 30% excess at 1.27 yield at 15.2 lbs or until co-man stops us. Release
Plug disp 44.5 bbls H2O bump plug 150 psi over PST psi wait 5 min release psi wash up rig down
H2O test ok

Arrived w/ 750 sks cement 4 gal KCL 16oz dye

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 5:08pm Circ 5:29pm Cement 5:42pm
Stop cement 6:02pm Drop plug 6:04pm Disp 6:04pm

10 bbls at 6.375/lm 6:07pm 300psi
20 bbls at 6.375/lm 6:08pm 400psi
30 bbls at 6.375/lm 6:10pm 500psi
40 bbls at 3.575/lm 6:11pm 300psi
44.5 bbls at 1.81/lm 6:13pm 250psi
Bump plug at 6:13pm 550psi

used 21 % excess
used 3/4 sks cement
71 bbls slurry

Left w/ 436 sks cement 3 gal KCL 6oz dye

BBLS Back 14

[Signature]
AUTHORIZATION TO PROCEED

CO-MAN
TITLE

6/9/12

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.