

BISON OIL WELL CEMENTING, INC.

1547 Gaylord Street
Denver, Colorado 80206
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net



INVOICE #

11722

LOCATION

WCR 66+43

FOREMAN

Calvin Reimers

TREATMENT REPORT

DATE 3-7-13	WELL NAME SWANSON FARM 4-28-E6	SECTION 28	TWP 6N	RGE 65W	COUNTY Weld
BILL TO Noble	CONSULTANT Chris H.				
OWNER Noble	RIG NAME & NUMBER Ensign Rig 322				
MAILING ADDRESS	DISTANCE TO LOCATION 15 miles		UNITS ON LOCATION 3106/3203		
CITY	TIME REQUESTED 8:00am		TIME ARRIVED ON LOCATION 7:20am.		
STATE, ZIP	TIME LEFT LOCATION 3:30pm.				

WELL DATA

HOLE SIZE	TUBING SIZE 2 3/8	PERFORATIONS
TOTAL DEPTH	TUBING DEPTH 2961' / 655'	SHOTS/FT
CASING SIZE	TUBING WEIGHT 4.7	OPEN HOLE
CASING DEPTH	TUBING CONDITION Good	TREATMENT VIA
CASING WEIGHT	PACKER DEPTH	
CASING CONDITION		
Max Rate		
Max Pressure	2000	

Cement Makeup

Cement Blend	NEAT G		
Cement - Specs	lbs 15.8	Yield 1.15	Water Requirements 5.0
Annulus Factor	Capacity Factor 1.00387		

TYPE OF TREATMENT

<input type="checkbox"/> Surface Pipe	<input type="checkbox"/> Production	<input type="checkbox"/> Squeeze
<input type="checkbox"/> MISC Pump	<input checked="" type="checkbox"/> P&A	

HYD HHP = RATE X PRESSURE / 40.8

% Excess

BBL to Pit

N/A

DESCRIPTION OF JOB EVENTS

MIRU, Safety meeting, BREAK CIR, Mix + pump 100 SKS AT 15.8 lbs, 1.15 yield, Displace 8.4 bbls. H₂O
Washup, Wait 2 hrs., 2nd Plug, BREAK CIR, Mix + pump to SURFACE AT 15.8 lbs, 1.15 yield, Displace
1/4 bbl., Washup, wait to Top off

X

Authorization To Proceed

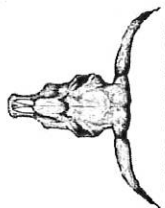
Title

X 3-7-13
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.

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DESCRIPTION OF JOB EVENTS

Safety Meeting	Displace 1			Displace 2			Displace 3			Displace 4			Displace 5		
	Time	BLS	PSI	Time	PSI	BLS	Time	PSI	BLS	Time	PSI	BLS	Time	PSI	BLS
MIRU	7:40am	0	60	10:41am	500	10			10			10			10
CIRCULATE	7:09am	8410	720	10:41am	500	20			20			20			20
Drop Plug		20	70	0		30			30			30			30
		30				40			40			40			40
		40				50			50			50			50
M & P		50				60			60			60			60
		60				70			70			70			70
Time	Sacks	70				80			80			80			80
9:28am/9:36am	100	80				90			90			90			90
1:38pm/1:55pm	294	90				100			100			100			100
2:40pm/2:44pm	26	100				110			110			110			110
		110				120			120			120			120
		120				130			130			130			130
		130				140			140			140			140
		140				150			150			150			150

tes:

Safety meeting 8:53am, Cick 9:46am 420 9:09am, Cement 9:28am 100 sks, 20.48 bbls slurry, Displace 9:36am 8:46am
Start Pull Pipe 9:45am, End Pull Pipe 10:38am, 2nd Plug, Cick 9:46am 1:32pm, Cement 1:38pm 294 sks, 60.21 bbls slurry,
Displace 1:46pm 1:55pm, Start Pull Pipe 2:01pm, End Pull Pipe 2:15pm, 26 sks 5.32 bbls slurry To Top off

Total used 420 sks, 86.02 bbls slurry

X
Work Performed
X
Title
X
Date 3-7-13