

# 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 # 10208

LOCATION WCR 31+4

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-27-11	STEWARTSON USX NW 33-01D	33	1N	66W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Saxon Rig 145
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 4:05 pm	TIME LEFT LOCATION 10:30 pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 1450	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 1400.21	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 1442.91		TREATMENT VIA			

PRESSURE SUMMARY			TYPE OF TREATMENT		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		

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, CIRC 40 bbls H<sub>2</sub>O with KCL, Lead Mix + pump 20% Excess for Total Depth = 1450' = 545 SKS, 81.7 bbls Slurry at 148 lbs. 1.32 yield, Tail Mix + pump 0% Excess = 100 SKS, 22.6 bbls Slurry to COVER 271' + shoe at 15.2 lbs. 1.27 yield, Drop plug, Displace 89.1 bbls H<sub>2</sub>O, Bump plug at 150 PSI over Lift PSI, Wait 5 min. Then bleed off PSI, Wash up, Rig down, H<sub>2</sub>O Tested good, We have 550 SKS Lead, 200 SKS Tail, 32 oz Dye, 10 QTS KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 7:30 pm, CIRC 8:28 pm, Cement 8:34 pm to 9:12 pm

Drop Plug 9:13 pm, Displace 9:14 pm

10 bbls 280 PSI; 9:17 pm 7.0 bbls/m 60 bbls 620 PSI; 9:25 pm 7.0 bbls/m

20 bbls 320 PSI; 9:18 pm 7.0 bbls/m 70 bbls 700 PSI; 9:27 pm 7.0 bbls/m

30 bbls 410 PSI; 9:20 pm 7.0 bbls/m 80 bbls 750 PSI; 9:28 pm 6.0 bbls/m

40 bbls 510 PSI; 9:22 pm 7.0 bbls/m 89.1 bbls 650 PSI 9:31 pm 1.0 bbls/m

50 bbls 590 PSI; 9:24 pm 7.0 bbls/m Bump Plug 920 PSI at 9:31 pm Float Collar Held

USED Lead 545 SKS, 128.12 bbls Slurry, Tail 100 SKS, 22.6 bbls Slurry

Lead 20% Excess on Total Hole 1450', Tail 0% Excess on 271' + shoe

Avg Cement 3.96 bbls/m

Left with 5 SKS Lead, 100 SKS Tail, 32 oz Dye, 6 QTS KCL

55 bbls Slurry to the PIT

*Signature*

AUTHORIZATION TO PROCEED

WSS

TITLE

8-27-11

DATE