

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9570

LOCATION WCR 49-30

FOREMAN Colvin Remmers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-6-11	Dechant X 01-02	1	2N	65W	Weld	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	Ensign Rig 13C
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME APPLIED ON LOCATION	3:15 AM	TIME LEFT LOCATION	8:45 AM

WELL DATA				PRESSURE LIMITATIONS		
HOLE SIZE	12 1/4	TUBING SIZE	PENETRATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH	766	TUBING DEPTH	SHOTS/FT	SURFACE PRT ANNULUS LONG		
P87D 716.14		TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE	8 3/4	TUBING CONDITION		TUBING		
CASING DEPTH	759.75	TREATMENT VIA		TYPE OF TREATMENT		
CASING WEIGHT	2416	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION	Good			BREAK DOWN BPM		
				INITIAL BPM		
				[] PRODUCTION CASING		

PRESSURE SUMMARY				TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING	PSI	AVERAGE	PSI	<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	INITIAL BPM	
FINAL DISPLACEMENT	PSI	ISIP	PSI	<input type="checkbox"/> PRODUCTION CASING		FINAL BPM	
ANNULUS	PSI	5 MIN SIP	PSI	<input type="checkbox"/> SOLETE CEMENT		MINIMUM BPM	
MAXIMUM	PSI	15 MIN SIP	PSI	<input type="checkbox"/> ACID STIMULATION		MAXIMUM BPM	
MIXTURE	PSI			<input type="checkbox"/> ACID SPOTTING		AVERAGE BPM	
				<input type="checkbox"/> MISC PUMP			
				<input type="checkbox"/> OTHER			
						HYD HWP = RATE X PRESSURE X 40.8	

INSTRUCTIONS PRIOR TO JOB *Rig up, Safety meeting, Per company Man, Cica 40 bbls 1120 wt KCL + Dye 1000 254 10 bbls Mix + Pump Tell Dye is seen then pump top only at 15.2 lbs 127 gals Disprop plug Displace 436 446 1120, Bump plug at 15.85 is over lift 83, what 5 min then bleed off 83, Wash up, Rig down, 1120 tested good we have 200 sacks cement, 32 oz Dye 1445 KCL*

JOB SUMMARY

DESCRIPTION OF JOB EVENTS

*Safety meeting, 6:14 am, Cica 6.50 am, Cement at 7:06 am to 7:23 am
Drop plug 7.26 am, Displace 7.38 am
10 bbls 120 PSI, 7:32 am, 70 bbls 15.1 am
20 bbls 280 PSI, 7:34 am, 70 bbls 15.1 am
30 bbls 340 PSI, 7:36 am, 70 bbls 15.1 am
40 bbls 390 PSI, 7:38 am, 60 bbls 15.1 am
436 446 320 PSI, 7:42 am, 1.0 bbls 15.1 am
Bump Plug 450 PSI, at 7:42 am
USED 1070 sacks = 274 sacks, C1.97 1464 Slurry
Left with 426 sacks, 22 oz Dye, 10 ats KCL*

11 bbls Slurry To The PIT

AUTHORIZATION TO PROCEED	TITLE	DATE
<i>CBX</i>		1-6-11

Customer 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