

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9576
LOCATION WCR 54+ Hwy 257
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
1-17-11	Booth N 25-31D	25	5N	6TW	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN Rig 55</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>11:50pm.</u>	TIME LEFT LOCATION <u>2:45 Am.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>673</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 624.47</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>667.62</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>24lb.</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>Good</u>			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM	
			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM	
			<input type="checkbox"/> SOEZE 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	ISIP	psi
ANNULUS	psi	5 MIN SIP	psi
MAXIMUM	psi	15 MIN SIP	psi
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man Cick 40 bbls. H₂O with KCL + Dye 10 in 2nd 10 bbls. Mix pump Tell Dye is seen then pump Tub only at 15.2 lbs. 1.2 Tyield, Drop plug Displace 39.7 bbls. H₂O, Bump plug at 150 Psi OVER Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H₂O Tested good, We have 650 sks, 26 oz. Dye, 15 Qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 1:20am, Cick 1:34am, Cement 1:41am to 1:53am

Drop plug 1:54am, Displace 1:55am

10 bbls 250 Psi 1:58am 7.0 bbls/m

20 bbls 300 Psi 2:00am 7.0 bbls/m

30 bbls 350 Psi 2:01am 6.0 bbls/m

39.7 bbls 300 Psi 2:04am 1.0 bbls/m

Bump Plug 500 Psi at 2:04am

USED 10% Excess = 241 Sacks, 54.51 bbls Slurry

Left with 409 Sacks cement, 16 oz Dye, 11 Qts KCL

5 bbls Slurry To The Pit

M. S. S. S.
AUTHORIZATION TO PROCEED

TITLE

1-17-11

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