

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9292

LOCATION WCR 47+48

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-10-10	HANSCOME G 11-99 HZ	12	4N	65W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H.P. Rig 315</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>10:30am</u>	TIME LEFT LOCATION <u>6:00pm</u>

WELL DATA

PRESSURE LIMITATIONS

HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
13 3/4				
TOTAL DEPTH 735	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
PBTD 685.2	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE 9 5/8	TUBING CONDITION		TUBING	
CASING DEPTH 728.35		TREATMENT VIA		

CASING WEIGHT 36 lb.	PACKER DEPTH	TYPE OF TREATMENT	TREATMENT RATE
CASING CONDITION <u>Good</u>		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM

PRESSURE SUMMARY

PRESSURE SUMMARY				<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT	psi	ISIP	psi	<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MAXIMUM	psi	15 MIN SIP	psi	<input type="checkbox"/> MISC PUMP	
MINIMUM	psi			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40 S

HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Circ 50 bbls H₂O with KCL + Dye x 10 in 2nd 10 bbls, Mix pump 0% to 30% excess at 152 lbs. 1.27 yield tell Dye is seen wait 5 min then pump tub only, Drop plug, Displace 52.9 bbls H₂O, Bump plug at 500 Psi over Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H₂O Tested good, We have 700 sacks cement, 26 oz. Dye, 15 qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 3:08pm, Circ 4:02pm, Cement 4:17pm, Drop plug 4:49pm, Displace 4:53pm
10 bbls 370 Psi 4:57pm 70 bbls/m
20 bbls 430 Psi 4:58pm 70 bbls/m
30 bbls 510 Psi 5:00pm 70 bbls/m
40 bbls 520 Psi 5:02pm 70 bbls/m
50 bbls 440 Psi 5:06pm 45 bbls/m
52.9 bbls 310 Psi 5:10pm 10 bbls/m
Bump Plug 860 Psi at 5:10pm Psi held for 5 min
USED 20% Excess = 366 Sacks, 82.7 bbls Slurry
Left with 334 Sacks cement, 16 oz. Dye, 10 qts KCL
Avg. Cement 150 Psi
Avg Displace 450 Psi 10 bbls Slurry To The Pit

AUTHORIZATION TO PROCEED

TITLE

10-10-10

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