

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10557

LOCATION WCR 39+18

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE <u>11-3-11</u>	WELL NAME <u>Dechant USX X 29-06</u>	SECTION <u>29</u>	TWP <u>2N</u>	RGE <u>65W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign Rig 126</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>10:00 AM</u>		TIME LEFT LOCATION <u>3:00 PM</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>970</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>POTD 922.06</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>962.76</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM
			<input type="checkbox"/> SQUEEZE 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

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company Man, Circ 40 bbls H₂O with KCL, Mix + pump Lead to cover 699' at 20% Excess = 263 SKs, 61.82 bbls Slurry at 14.8 lbs. 1.32 yield, Mix + pump Tail to cover 271' + shoe at 0% Excess = 100 SKs, 22.61 bbls Slurry at 15.2 lbs. 1.27 yield, Drop plug, Displace 58.7 bbls H₂O, Bump plug at 500 Psi over Lift Psi, Wait 5 min. then bleed off Psi, Washup, Rig down, H₂O Tested good, We have 400 SKs Lead, 200 SKs Tail, 16 Qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 12:32 pm, Circ 1:21 pm, Cement 1:28 pm to 2:01 pm, Drop Plug 2:02 pm, Displace 2:03 pm

10 bbls 260 Psi 2:05 pm 7.0 bbls/m

20 bbls 330 Psi 2:06 pm 7.0 bbls/m

30 bbls 430 Psi 2:08 pm 7.0 bbls/m

40 bbls 510 Psi 2:11 pm 7.0 bbls/m

50 bbls 600 Psi 2:12 pm 6.0 bbls/m

58.7 bbls 390 Psi 2:15 pm 1.0 bbls/m

Bump Plug 930 Psi at 2:15 pm Float Collar Held Avg Cement 2.55 bbls/m

USED Lead 20% Excess = 263 SKs, 61.82 bbls Slurry, Tail 100 SKs, 22.61 bbls Slurry

Left with 137 SKs Lead, 100 SKs Tail, 12 Qts KCL,

20 bbls Slurry To The PiT

hntc Inc

AUTHORIZATION TO PROCEED

TITLE

11-3-11

DATE

Customers hereby acknowledge and specifically agree 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.