

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 11245
LOCATION NCR 66+43
FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-4-12	FIVE ME 21-74-1HC	28	6N	65W	Weld	
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>H&P Rig 322</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>5:00 pm</u>		TIME LEFT LOCATION <u>10:30 pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
13 3/4					
TOTAL DEPTH <u>792</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PPBTD 747.79</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>786.65</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>36 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 RIP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, per Company Man, Psi Test to 1000 Psi, Circ 60 bbls H₂O with KCL Dye
x 16 in 2nd 10 bbls, Mix pump till good Op is seen at 15.2 lbs 1.27 yield, Drop plug, Displace 57.8 bbls H₂O, Dump
plug at 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Casing Psi Test 1000 Psi for 15 min then bleed
off Psi, Wash up, Rig down, H₂O Tested good, We have 750 sks, 32.02 Dye, 15 Qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 7:50 pm, Circ 8:24 pm Cement 8:37 pm to 8:56 pm

Drop Plug 9:00 pm, Displace 9:02 pm

10 bbls 330 Psi 9:06 pm 6.0 bbls/min

20 bbls 330 Psi 9:08 pm 6.0 bbls/min

30 bbls 430 Psi 9:09 pm 6.0 bbls/min

40 bbls 500 Psi 9:11 pm 6.0 bbls/min

50 bbls 460 Psi 9:14 pm 4.5 bbls/min

57.8 bbls 330 Psi 9:17 pm 1.0 bbls/min

Drop Plug 520 Psi at 9:17 pm Float Collar Held

Casing Psi Test 9:22 pm 1000 Psi 9:28 pm 900 Psi per Company Man bleed off

Used 10% Excess = 361 sks, 81.65 bbls Slurry

8 bbls Slurry To The Pit

Left with 389 sks, 16 oz Dye, 9 Qts KCL,

AUTHORIZATION TO PROCEED

TITLE

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