

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10554

LOCATION WCR 39+18

FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-29-11	Dechant USX X 29-05	29	2N	65W	Weld	

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>9:20pm.</u>	TIME LEFT LOCATION <u>1:45 a.m.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>945</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 921.49</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>939</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

### 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, Circ 40 bbls H<sub>2</sub>O with KCL, Lead to cover 674' Mix + pump 253 SKs, 59.47 bbls Slurry at 14.8 lbs. 1.32 yield, Tail to cover 271' + shoe at 0% Excess = 100 SKs, 22.61 bbls Slurry at 15.2 lbs. 1.27 yield, Drop Plug, Displace 58.6 bbls H<sub>2</sub>O, Bump Plug at 500 Psi over Lift Psi, Wait 5 min. Then bleed off Psi, Wash up, Rig down, H<sub>2</sub>O Tested good, We have 450 SKs Lead, 200 SKs Tail 10 qts KCL,

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 11:46pm, Circ 12:21am, Cement 12:28am to 12:48am

Drop Plug 12:49am, Displace 12:50am.

10 bbls 220 Psi 12:52am 7.0 bbls/m

20 bbls 310 Psi 12:54am 7.0 bbls/m

30 bbls 420 Psi 12:55am 7.0 bbls/m

40 bbls 450 Psi 12:57am 7.0 bbls/m

50 bbls 600 Psi 12:59am 6.0 bbls/m

58.6 bbls 420 Psi 1:01am 1.0 bbls/m

Bump Plug 920 Psi at 1:01am Float Collar Held

USED 20% Excess on Lead = 253 SKs, 59.47 bbls Slurry, 0% Excess on Tail = 100 SKs, 22.61 bbls Slurry, Avg Cement 4.1 bbls/m, Left with 197 SKs Lead, 100 SKs Tail, 6 qts KCL

20 bbls Slurry to the P.T

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.