

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10722

LOCATION Wells Ranch

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
9-14-12	Wells Ranch AE 03-6511N	8	6N	62W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Ensign Rig 136</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>10:30 pm.</u>	TIME LEFT LOCATION <u>3:15 am.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>735</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 6843</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>727</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>36 lb</u>	PACKER DEPTH		TREATMENT RATE		
CASING CONDITION <u>Good</u>			[] SURFACE PIPE		
			[] PRODUCTION CASING		
			[] SQUEEZE CEMENT		
			[] ACID BREAKDOWN		
			[] ACID STIMULATION		
			[] ACID SPOTTING		
			[] MISC PUMP		
			[] OTHER		

PRESSURE SUMMARY				TREATMENT RATE	
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	[] SURFACE PIPE	BREAKDOWN BPM
FINAL DISPLACEMENT	psi	ISIP	psi	[] PRODUCTION CASING	INITIAL BPM
ANNULUS	psi	5 MIN SIP	psi	[] SQUEEZE CEMENT	FINAL BPM
MAXIMUM	psi	15 MIN SIP	psi	[] ACID BREAKDOWN	MINIMUM BPM
MINIMUM	psi			[] ACID STIMULATION	MAXIMUM BPM
				[] ACID SPOTTING	AVERAGE BPM
				[] MISC PUMP	
				[] OTHER	HYD 1000 = RATE X PRESSURE X 40 B

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Psi Check to 500 Psi, Ck 50 bbls H₂O w. H₂KCL + Dye X 16 in 2nd 10 bbls, Mix + pump tell Dye is seen by Company Man then pump tub only at 15.21 bbls. 1.27 yield, Drop plug, Displace 52.89 bbls H₂O, Bump plug at 150 Psi over, Lift Psi, wait 5 min then bleed off Psi, Wash up, Rig down, We have 700 SKs cement, 10 qts KCL, 32 oz Dye.

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 1:08 am, Ck 1:31 am, Cement 1:40 am to 2:00 am

Drop Plug 2:01 am, Displace 2:03 am

10 bbls 300 Psi 2:06 am 6.0 bbls/m

20 bbls 380 Psi 2:08 am 6.0 bbls/m

30 bbls 470 Psi 2:10 am 6.0 bbls/m

40 bbls 520 Psi 2:12 am 6.0 bbls/m

50 bbls 350 Psi 2:14 am 2.5 bbls/m

52.8 bbls 300 Psi 2:16 am 1.0 bbls/m

Bump Plug 530 Psi

USED 10% EXCESS 335 SKs 75.77 bbls Slurry

Float Collar Held, 14 bbls Slurry To The Pit

Left with 365 SKs, 5 qts KCL, 16 oz Dye

J. Waller Well Site Supervisor

AUTHORIZATION TO PROCEED

TITLE

9-14-12

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