



BISON OIL WELL CEMENTING, INC.

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REF. INVOICE # 10388

LOCATION GUTTERSEN RANCH

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-7-11	Hippo D 27-25D	27	3N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN Rig 121</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>12:15 pm</u>	TIME LEFT LOCATION <u>3:45 pm</u>

WELL DATA

PRESSURE LIMITATIONS

HOLE SIZE	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
12 1/4				
TOTAL DEPTH 835	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
PBTD 787.4	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE 8 5/8	TUBING CONDITION		TUBING	
CASING DEPTH 830.85		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT 24 lb.	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 50 bbls. H₂O with KCL + Dye x 16 in 2nd 10 bbls, Mix + pump tell Dye is seen then pump tub only at 15.2 lbs 1.27 yield, Don't go over 15% excess without talking to company man, Drop plug, Displace 50.1 bbls. H₂O, Bump plug at 150 Psi over Lift Psi, wait 5 min. then bleed off Psi, Wash up, Rig down, H₂O Tested good, We have 650 SKs, 22 oz Dye, 20 qts KCL

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 1:36 pm, Circ 2:00 pm, Cement 2:10 pm to 2:34 pm

Drop Plug 2:36 pm, Displace 2:37 pm

10 bbls 280 Psi 2:39 pm 7.0 bbls/m

20 bbls 330 Psi 2:40 pm 7.0 bbls/m

30 bbls 320 Psi 3:01 pm 3.0 bbls/m Rig Ran out of water

40 bbls 550 Psi 3:03 pm 5.0 bbls/m

50.1 bbls 450 Psi 3:06 pm 1.0 bbls/m

Bump Plug 700 Psi at 3:06 pm Float Collar Held

USED 15% Excess = 313 SKs, 70.79 bbls Slurry

Aug Cement 2.94 bbls/m

Left with 337 SKs, 16 oz Dye, 15 qts KCL

20 bbls Slurry To The Pit

Don't Bank

AUTHORIZATION TO PROCEED

WSS

TITLE

10-7-11

DATE