

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10572

LOCATION Wells Ranch

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-25-11	Wells Ranch CUSX MA 25-CT-01 HN 25		6N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>H&P Rig 343</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>6:45 a.m.</u>	TIME LEFT LOCATION <u>5:00 p.m.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>583</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 535.18</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>577.94</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 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, CIR 40 bbls. with KCL + Dyex 16 in 2nd 10 bbls, Mix + pump Tell Dyex is seen then pump 10 bbls Slurry + tub, Don't go over 33% excess with out TALKING to Company Man, Drop plug, Displace 41.3 bbls H₂O, Bump plug at 200 Psi over Lift Psi, wait 5 min. Then bleed off Psi, Wash up, Rig down, H₂O Tested good, We have 700 sks, 32 oz Dyex, 12 Qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 2:20 pm, CIR 3:26 pm, Cement 3:33 pm to 3:59 pm

Drop Plug 4:00 pm, Displace 4:01 pm

10 bbls 300 Psi 4:03 pm 7.0 bbls/m

20 bbls 390 Psi 4:04 pm 7.0 bbls/m

30 bbls 480 Psi 4:06 pm 7.0 bbls/m

41.3 bbls 220 Psi 4:09 pm 1.0 bbls/m

Bump Plug 520 Psi at 4:09 pm Float Collar Held

USED 32% excess = 319 sks, 72.15 bbls Slurry

Avg Cement 2.77 bbls/m

Left with 381 sks, 16 oz Dyex, 8 Qts KCL

12 bbls Slurry To The P.T

Gary S. J.
AUTHORIZATION TO PROCEED

CO-Rep
TITLE

11-25-11

DATE