

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8978
LOCATION Hwy 392 + 59
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-28-10	LAPP A 24-30D	13	6N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSGIN Rig 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>10:50 pm</u>	TIME LEFT LOCATION <u>1:45 am.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>586.2</u>	TUBING DEPTH	SHOTS/FT			
<u>PBTD 558.8</u>	TUBING WEIGHT	OPEN HOLE			
CASING SIZE <u>8 5/8</u>	TUBING CONDITION				
CASING DEPTH <u>576.8</u>		TREATMENT VIA			
CASING WEIGHT <u>2416</u>	PACKER DEPTH				
CASING CONDITION <u>Good</u>					

PRESSURE SUMMARY			TYPE OF TREATMENT		TREATMENT RATE	
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> PRODUCTION CASING		INITIAL BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> SQUEEZE CEMENT		FINAL BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID BREAKDOWN		MINIMUM BPM	
MINIMUM psi			<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	

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, PER Company Man, CIRC 35 bbls H₂O with KCL + Dye in 2nd 10 bbls, Mix + pump till Dye is seen then pump tub only, at 15.2 lbs 1.27 yield, Drop plug, Displace 35.5 bbls H₂O, Bump plug at no more than 150 PSI over lift PSI, wait 5 min. then bleed off PSI, Wash up rig down, H₂O tested OK, WE HAVE 650 SACKS CEMENT, 2602 Dye, 20 qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 12:03 am, CIRC 12:31 am, CEMENT 12:38 am, Drop plug 12:51 am, Displace 12:52 am

10 bbls 240 Psi 12:56 am 7.0 bbls/m
20 bbls 350 Psi 12:57 am 7.0 bbls/m
30 bbls 400 Psi 1:00 am 6.0 bbls/m
35.5 bbls 230 Psi 1:03 am .8 bbls/m

Bump Plug 360 Psi at 1:03 am Psi Held for 5 min
USED 10% EXCESS = 210 SACKS CEMENT, 47.49 bbls Slurry
Left with 440 SACKS CEMENT, 1602 Dye, 16 qts KCL
6 bbls Slurry To The P.T

Charles Clum

AUTHORIZATION TO PROCEED

TITLE

4-28-10

DATE