

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10767
LOCATION WELL 71477
FOREMAN PATRONY

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-18-11	SCHNEIDER 1131-25D	31	7N	66W	WELD	

CHANGE TO <u>NOBLE</u>	OWNER
MAILING ADDRESS	OPERATOR <u>NOBLE</u>
CITY	CONTRACTOR <u>ENGLE 126</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>7:22 pm</u>	TIME LEFT LOCATION <u>12:45 am</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>17 1/2</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>889</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PPAD 874145</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		

TREATMENT VIA			TYPE OF TREATMENT	TREATMENT RATE
CASING DEPTH <u>892</u>			<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING WEIGHT <u>24 #</u>	PACKER DEPTH		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
CASING CONDITION <u>GOOD</u>			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM

PRESSURE SUMMARY				
BREAKDOWN or CIRCULATING psi	AVERAGE psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> MISC PUMP	
MINIMUM psi			<input type="checkbox"/> OTHER	HYD HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up safety meeting. Per company man circ 5000 lbs H₂O well
Dye in 2nd JO, mix + pump till dye is seen then pump tub out at 15.2 LBS 127440
Don't go over 30% excess without talking to company man, drop plug displace
55.7 BBLS H₂O Blup plug 150 PSI over lift pressure wait 5 mins. Release PSI
Washup rig down 1420 tested good. We have 6000 lbs 2000 PSI 300 Dye

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety 10:23 am Circ 11:03 Cement 11:15 to 11:30
Drop plug 11:32 Displace 11:34
10 11:37 200 PSI
20 11:39 210 PSI
30 11:41 280 PSI
40 11:43 340 PSI
50 11:45 360 PSI
55 11:50 300 PSI
Used 0% excess = 289 SKS 45 BBLS slurry

6 BBLS 10 PIT

[Signature]
AUTHORIZATION TO PROCEED

Co-MAN
TITLE

12/18/11
DATE