

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10562

LOCATION WER 49-48

FOREMAN Pat Nowlin

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-9-11	DICTRIE 607-181D	7	4N	64W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ensign 128
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 6:50 AM	TIME LEFT LOCATION 11:45

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 638	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 588.94	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		

CASING DEPTH 632.12	TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT 24 LB	PACKER DEPTH	<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION 600D		<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
		<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 5ATTX meeting, per company man Eric HOBBS H20V REL
Dye in 2nd 10, mix & Pump Till Dye is seen then pump only 15.2 LBS 1127X100, Dye 60
over 30% excess vlm out taking to company man DROPPING DISPLACE 37.5 BBL H20
Pump plug at 150 PSI over lift pressure wait 5 mins then BLEED off PSI
Wash WP Rig DOWN H20 (STC) 600D : we have 650 SHS 322 Dye 8815 KCL

JOB SUMMARY

DESCRIPTION OF JOB EVENTS 5ATTX meeting 10:15 CIRC 10:28 CEMENT 10:34-10:56
DROPPING 10:57 DISPLACE 10:58
10 250 PSI 11:00 7 BBLm.
20 400 11:02 7 BBLm.
30 480 11:06 6 BBLm.
37.5 480 11:09 1 BBLm.
Bump plug 480 PSI 11:09 float collar H20
used 200% excess = 249 SHS 56.3 BBLs slurry.
Aug cement 2.56 BBLs minute
Left with 401 SHS 16025 Dye 4 QTS KCL
6 BBLs slurry to pit-

 Consultant

AUTHORIZATION TO PROCEED

TITLE

11-9-11

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.