

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9047
LOCATION WCR 80+55
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-29-10	Letterly USX AB 23-99H2	23	7N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Code Rig 22</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>8:25pm.</u>	TIME LEFT LOCATION <u>4:15am</u>

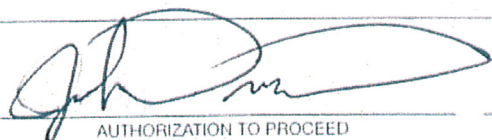
WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>805</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 753.2</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>797.05</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 S	

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 60 bbls 11" 40 with KCL + Dye x 10 in 2nd
10 bbls; Mix + pump 30% EXCESS = 434 Sacks cement, 98.16 bbls Slurry at 15.2 lbs, 1.27 yield or tell
Dye is seen, Drop plug, Displace 58.2 bbls H2O, Bump plug at no more than 150 Psi over Lift Psi,
Wait 5 min then bleed off Psi, Washup, Rig down, H2O Tested good, We have 600 Sacks
CEMENT, 32 oz. Dye, 22 Qts KCL,

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 1:35 am, CIRC 1:46 am, Cement 1:57 am

Drop plug 1:56 am, Displace 3:00 am
10 bbls 410 Psi 3:07 am 7.0 bbls/m
20 bbls 440 Psi 3:08 am 7.0 bbls/m
30 bbls 500 Psi 3:10 am 7.0 bbls/m
40 bbls 610 Psi 3:12 am 7.0 bbls/m
50 bbls 610 Psi 3:15 am 6.0 bbls/m
58.2 bbls 450 Psi 3:19 am 1.8 bbls/m
Bump Plug 600 Psi at 3:19 am Psi held for 5 min.
USED 367 Sacks cement, 83 bbls Slurry 10% EXCESS
Left with 233 Sacks cement 22 oz Dye, 16 Qts KCL
11 bbls Slurry To The Pit


AUTHORIZATION TO PROCEED

TITLE

7-29-10

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