

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9275  
LOCATION WCR 78+59  
FOREMAN CALVIN REIMERS

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
8-29-10	Letterly USX AB 23-09P	3	7N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>ENSIGN Rig 55</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>2:00 AM</u>	TIME LEFT LOCATION <u>11:30 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>790</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 734.42</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>776.45</u>		TREATMENT VIA	TYPE OF TREATMENT		
CASING WEIGHT <u>24 lb.</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	TREATMENT RATE	
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	BREAKDOWN BPM	
			<input type="checkbox"/> SQUEEZE CEMENT	INITIAL 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		<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
FINAL DISPLACEMENT psi	ISIP psi		<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM	
ANNULUS psi	5 MIN SIP psi		<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM	
MAXIMUM psi	15 MIN SIP psi		<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM	
MINIMUM psi			<input type="checkbox"/> MISC PUMP		
			<input type="checkbox"/> OTHER		

INSTRUCTIONS PRIOR TO JOB Rig up, Safety meeting, Per Company MAN, Circ 40 bbls H<sub>2</sub>O with KCL + Dye x 10 in 3<sup>rd</sup> = 10 bbls, Mix + pump Tell Dye is seen then pump tub + 10 bbls slurry at 15.2 lb. 1.27 yield, Drop plug, Displace 46.7 bbls H<sub>2</sub>O, Bump plug at no more than 150 Psi over Lift Psi, Wait 5 min. then bleed off Psi, Washup, Rig down, H<sub>2</sub>O tested good, We have 650 sacks cement, 42 oz Dye, 18 qts KCL, Tell Curt P. when we get to 330 sacks, Tool Pusher put paper in Float Collar,

JOB SUMMARY  
DESCRIPTION OF JOB EVENTS Safety meeting 7:07 am, Circ 9:23 am, Cement 9:31 am, Drop plug 10:15 am, Displace 10:20 am  
10 bbls 510 Psi 10:25 am 7.0 bbls/m  
20 bbls 550 Psi 10:26 am 7.0 bbls/m  
30 bbls 610 Psi 10:28 am 7.0 bbls/m  
40 bbls 600 Psi 10:30 am 6.0 bbls/m  
46.7 bbls 410 Psi 10:36 am 1.8 bbls/m

Bump Plug 610 Psi at 10:36 am, Psi held for 5 min  
USED 53% EXCESS = 393 SACKS CEMENT, 88.89 bbls SLURRY  
Left with 257 SACKS CEMENT, 32 oz. DYE, 14 qts KCL

30 bbls Slurry To The Pit

  
AUTHORIZATION TO PROCEED

TITLE

8-29-10

DATE