

BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102
Denver, Colorado 80202
Phone: 303-296-3010
Fax: 303-298-8143
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 10393

LOCATION WCR 55+72

FOREMAN Calvin Reimers

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
10-16-11	Vega USX A 03-05	3	6N	64W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>Cade Rig 21</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>4:10 AM</u>	TIME LEFT LOCATION <u>8:45 AM</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>680</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 631.13</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>674.36</u>	TREATMENT VIA		TYPE OF TREATMENT	TREATMENT RATE	
CASING WEIGHT <u>24 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 40.8	

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 40 bbls H₂O with KCL + Dye 16 in 2nd 10 bbls, Mix + pump tell Dye is seen then pump tub only at 15.2 lbs 1.27 yield, Don't go over 30% Excess with out Talking to Company Man, Drop plug, Displace 40.2 bbls H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min. Then bleed off Psi, Wash up, Rig down, H₂O Test ad good, We have 700 SKs, 32 oz Dye, 22 Qts KCL,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety Meeting 7:11 am, CIRC 7:22 am, CEMENT 7:30 am to 7:50 am

Drop Plug 7:51 am, Displace 7:52 am

10 bbls 280 Psi 7:53 am 7.0 bbls/m

20 bbls 350 Psi 7:55 am 7.0 bbls/m

30 bbls 490 Psi 7:56 am 7.0 bbls/m

40.2 bbls 300 Psi 8:00 am 1.0 bbls/m

Bump Plug 500 Psi at 8:00 am Float Collar Held

USED 20% Excess = 266 SKs, 60.16 bbls Slurry

Aug Cement 3 bbls/m

Left with 434 SKs, 16 oz Dye, 18 Qts KCL

3 bbls Slurry To The PIT

AUTHORIZATION TO PROCEED

TITLE

DATE

10-16-11

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