

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 8335

LOCATION WCR 68+69

FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
5-12-09	Wells Ranch USX AA 13-08	13	6N	63W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>CADE 21</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>3:00pm.</u>	TIME LEFT LOCATION <u>5:45pm.</u>

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>602.68</u>	TUBING DEPTH	SHOTS/FT		SURFACE PIPE ANNULUS LONG	
<u>PBTD 555.60</u>	TUBING WEIGHT	OPEN HOLE		STRING	
CASING SIZE <u>8 5/8</u>	TUBING CONDITION			TUBING	
CASING DEPTH <u>597.68</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	
PRESSURE SUMMARY			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM	
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, Circ 30 bbls. H₂O with KCL + DYE in 2nd 10 bbls, Mix + pump 30% Excess = 231 Sacks cement at 14.5 lbs. 1.4 yield or tell DYE IS SEEN, Drop plug, Displace 35.3 bbls. H₂O, Bump plug at 150 Psi over Lift Psi, Wait 5 min. Then bleed off Psi, Washup, Rig down, We have 600 Sacks cement, 12 oz. Dye, 8 qts KCL
57.59 bbls Slurry

JOB SUMMARY
 DESCRIPTION OF JOB EVENTS Safety meeting 4:20 pm, Circ 4:27 pm, CEMENT 4:33 pm
Drop plug 4:44 pm, Displace 4:51 pm

10 bbls. 100 Psi 4:55 pm 7.0 bbls/m
20 bbls. 260 Psi 4:57 pm 7.0 bbls/m
30 bbls. 300 Psi 4:59 pm 6.0 bbls/m
35.3 bbls 200 Psi 5:00 pm 1.0 bbls/m

Bump Plug 440 Psi at 5:00 pm
We USED 200 Sacks 49.8 bbls Slurry 13% Excess
Left with 400 Sacks cement, 11 oz Dye, 5 qts KCL
5 bbls Slurry To The Pit

AUTHORIZATION TO PROCEED

Co-Man
 TITLE

5-12-09
 DATE