

BISON OIL WELL CEMENTING, INC.



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Denver, Colorado 80202
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TREATMENT REPORT

DATE	3-10-12	WELL NAME	LDS 008-30P	SECTION	5	TWP	3N	RGE	69W	COUNTY	Weld	FORMATION
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CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	ENSIGN Rig 136
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	8:00pm	TIME LEFT LOCATION	1:30am

WELL DATA		PRESSURE LIMITATIONS	
TUBING SIZE	12 1/4	THEORETICAL	INSTRUCTED
TUBING DEPTH	750	SURFACE PIPE ANNULLUS LONG	
TUBING WEIGHT	878	STRING	
TUBING CONDITION	8 5/8	TUBING	
CASING DEPTH	742.5	TYPE OF TREATMENT	
CASING WEIGHT	2416	TREATMENT RATE	
CASING CONDITION	Good		

PRESSURE SUMMARY		TYPE OF TREATMENT	
BREAKDOWN or CIRCULATING	psi	AVERAGE	psi
AVERAGE	psi	MINIMUM	BPM
ISIP	psi	MAXIMUM	BPM
5 MIN SIP	psi	AVERAGE	BPM
15 MIN SIP	psi	HYD HHP = RATE X PRESSURE X 40.8	
MAXIMUM	psi		
MINIMUM	psi		

INSTRUCTIONS PRIOR TO JOB: Rigup, Safety meeting, After Company Man, Circ 40 bbls, H2O with KCL + Dye 16 in 2nd 10 bbls. Mix pump Tell Dye is seen within mix of 5% Excess. Then pump Tub only at 15.2 lbs. 127 yield. Drop plug, Displace 44.5 bbls. H2O, Bump plug at 150 psi over 4.5 ft. What 5 min. Then bleed off. Rig Washup, Rig down, H2O Tested good. We have 450 SKS, 32 oz. Dye, 10 qts KCL.

JOB SUMMARY
DESCRIPTION OF JOB EVENTS
Safety meeting 10:56 pm, Circ 11:19 pm, Cement 1:30 am to 12:00 am

Drop Plug 12:00 am Displace 12:07 am
10 bbls. 90 PSI 12:11 am 3 bbls/m
20 bbls. 160 PSI 12:15 am 3 bbls/m
30 bbls. 230 PSI 12:19 am 3 bbls/m
40 bbls. 280 PSI 12:26 am 2.6 bbls/m
44.5 bbls. 230 PSI 12:31 am 1.6 bbls/m
Bump Plug 12:31 am 370 PSI Float Collar Held
Used 5% Excess = 256 SKS, 579 bbls Slurry
Left with 194 SKS, 16 oz Dye, 6 qts KCL

AUTHORIZATION TO PROCEED	TITLE	DATE
John M. Taylor		3-10-12

Customers hereby acknowledge and specifically agree 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.

REF. INVOICE # 10713
LOCATION WCR 49+36
FOREMAN Calvin Reimers