

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 12594

LOCATION 76-59

FOREMAN Kirk Kallhoff
Jesse Mills Patrick

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
11-30-11	Lang USX AB 35-19 D	35	7N	64W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR Ellison 12.1
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 10:30am	TIME LEFT LOCATION 2:30pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 881	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 83.11	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 875.96		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2416	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[] PRODUCTION CASING		INITIAL BPM
PRESSURE SUMMARY			[] SQUEEZE CEMENT		FINAL BPM
BREAKDOWN or CIRCULATING psi	AVERAGE psi		[] ACID BREAKDOWN		MINIMUM BPM
FINAL DISPLACEMENT psi	ISIP psi		[] ACID STIMULATION		MAXIMUM BPM
ANNULUS psi	5 MIN SIP psi		[] ACID SPOTTING		AVERAGE BPM
MAXIMUM psi	15 MIN SIP psi		[] MISC PUMP		
MINIMUM psi			[] OTHER		HYD IHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, safely, meeting, Post test, Performan, Cier Seals Rel H2O 2nd 10m Dye, mix Pump
373 sks cement at 1127 yield at 152155 cement 1100 man steps us, cement then Seals excess, Release Plug
Disp 52.8 BBls H2O, Pump Plug At 150 psi over 1150 psi, wait 5 min Release psi wash up Rig Down.
H2O test OK
Arrived w/ 650 sks cement 4 gal Rel 16oz Dye 84.3 BBls slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS safely, meeting 12:41pm Cier 1:02pm cement 1:14pm
Drop Plug 1:35pm Displace 1:35pm
10 BBls At 5.0 BBls/m 1:39pm 230 psi used 6% Excess
20 BBls At 5.0 BBls/m 1:41pm 280 psi used 307 sks cement
30 BBls At 5.0 BBls/m 1:43pm 390 psi 69.4 BBls slurry
40 BBls At 5.0 BBls/m 1:47pm 540 psi
50 BBls At 2.5 BBls/m 1:51pm 410 psi
52.8 BBls At 1.0 BBls/m 1:52pm 370 psi
Pump Plug 1:52pm 510 psi

LP 11/343 sks cement 2 gal 30 ts Rel 6oz Dye BBls Rel 1-3

Signature: [Signature] AUTHORIZATION TO PROCEED WSS TITLE 11-30-11 DATE