

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10626
LOCATION WCR 76+58
FOREMAN Mick Rosale
LR Mark

TREATMENT REPORT

DATE 11-26-11	WELL NAME Lang USX AB 35-03	SECTION 33	TWP 7	RGE 64W	COUNTY Weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 121				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 5:45 AM		TIME LEFT LOCATION 11:30				

WELL DATA

HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS
TOTAL DEPTH 866	TUBING DEPTH	SHOTS/FT
PBTD 815.6	TUBING WEIGHT	OPEN HOLE
CASING SIZE 8 5/8	TUBING CONDITION	TREATMENT VIA
CASING DEPTH 861.03	PACKER DEPTH	
CASING WEIGHT 241BS		
CASING CONDITION Good		

PRESSURE LIMITATIONS

SURFACE PIPE ANNULUS LONG	THEORETICAL	INSTRUCTED
STRING		
TUBING		

TYPE OF TREATMENT

TREATMENT RATE

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING psi	AVERAGE psi	<input type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
FINAL DISPLACEMENT psi	ISIP psi	<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
ANNULUS psi	5 MIN SIP psi	<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
MAXIMUM psi	15 MIN SIP psi	<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
MINIMUM psi		<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

INSTRUCTIONS PRIOR TO JOB Rig op, Sattymeting, PSE TEST 500 PSE, Circulate 50 BBls H2O/KCL H2O
210 Dye, mix Pump 366 sks (30% excess) yield 1.27 qt 15-21BS or until Compensator
topped us, Release Plug + Displace 51.9 BBls H2O, Bump Plug at 150 PSI our lift wait 5 min
Release PSE, WASH up Rig Down
Arrived with 575 sks Cement 12 gts KCL 16 oz Dye Slurry
HO TEST Good 82.1
JOB SUMMARY
DESCRIPTION OF JOB EVENTS Sattymeting 8:55 AM Circulate 9:20 AM Cement 9:30
ROP Plug 10:08 AM Displace 10:08 AM

BBls at 5-5 BBls/m 10:10 AM 310 PSE
BBls at 5-5 BBls/m 10:12 AM 350 PSE
BBls at 5-5 BBls/m 10:14 AM 470 PSE
BBls at 5-5 BBls/m 10:16 AM 550 PSE
1 BBls at 2-5- BBls/m 10:20 AM 300 PSE
1.9 BBls at 1-0 BBls/m 10:24 AM 300 PSE
Bump Plug 1-0 BBls/m 10:24 540 PSE
Flow collar held
BBls BACK
4 with 275 SK Cement 7 gts KCL 16 oz Dye
10

Michael Maged
AUTHORIZATION TO PROCEED
TITLE
DATE 11-26-11

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.