

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9226

LOCATION Cr 55-80

FOREMAN Kirk Kallho RF
mike R, Tucker L, Grant L

TREATMENT REPORT

DATE 8-8-10	WELL NAME Shale USX AB11-12P	SECTION 11	TWP 7N	RGE 64W	COUNTY weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 126				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 10:00pm		TIME LEFT LOCATION 12:15am				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 800.4	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 774.12	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 792.22		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 2416	PACKER DEPTH		[] SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			[] PRODUCTION CASING		INITIAL BPM
			[] SQUEEZE CEMENT		FINAL BPM
			[] ACID BREAKDOWN		MINIMUM BPM
			[] ACID STIMULATION		MAXIMUM BPM
			[] ACID SPOTTING		AVERAGE BPM
			[] MISC PUMP		
			[] 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, Psidest, circ 50 BBLs H2O 2nd 10yd Dye mix Pump 339
SKS cement at 30% Excess at 1.27 yd at 15.2 lbs or until cement stops w/ Release Plug Displace
49.3 BBLs H2O, Bump plug at 150 psi over L.F.D Psi wait 5 min Release Psi, wash up Rig Down
H2O test ok

Arrived w/ 575 SKS cement 4 gallons Kcl 16oz Dye 764 BBLs slurry

JOB SUMMARY
DESCRIPTION OF JOB EVENTS Safety meeting 10:37pm circ 10:53pm cement 11:05pm

Drop Plug 11:37pm Displace 11:37pm

used 190 Excess
used 264 SKS cement
64.7 BBLs slurry

10 BBLs at 5.5 BBLs/m 11:30pm 480psi
20 BBLs at 5.5 BBLs/m 11:32pm 480psi
30 BBLs at 5.5 BBLs/m 11:34pm 590psi
40 BBLs at 3.5 BBLs/m 11:36pm 520psi
49.3 BBLs at 1.0 BBLs/m 11:41pm 380psi
Bump Plug 11:41pm 540psi

L.F.D w/ 311 SKS cement 2 gallons 3gts Kcl 6oz Dye 13 BBLs Back 10

[Signature]

Coman

8-8-10

AUTHORIZATION TO PROCEED

TITLE

DATE

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.