

BISON OIL WELL CEMENTING, INC.



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REF INVOICE # 9833

LOCATION 68-69

FOREMAN Kirk Kallho
miller CR Jessie

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
4-26-11	Wells Ranch AE 30-68 H/V	29	6N	L2W	Weld	

CHARGE TO Noble	OWNER
MAILING ADDRESS	OPERATOR Noble
CITY	CONTRACTOR H&P 315
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION 4:45am	TIME LEFT LOCATION 1:00pm

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 13 3/4	TUBING SIZE	PERFORATIONS		THEORETICAL	INSTRUCTED
TOTAL DEPTH 595	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 541.06	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 9 5/8	TUBING CONDITION		TUBING		

TREATMENT VIA			TYPE OF TREATMENT		TREATMENT RATE	
CASING DEPTH 590.74			SURFACE PIPE		BREAKDOWN BPM	
CASING WEIGHT 36 lb	PACKER DEPTH		[] PRODUCTION CASING		INITIAL BPM	
CASING CONDITION good			[] SQUEEZE CEMENT		FINAL 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 HHP = RATE X PRESSURE X 40.8

INSTRUCTIONS PRIOR TO JOB Rig up, set plug, making Psi test, circ 10 bbls sapp, 10 bbls soap, 40 bbls VCL H2O 2nd 10w/Dye, mix E Pump 321 sks cement at 30% Excess at 1.27 yield at 15.2 lbs or until cement stops us, Release Plug, Displace 41.8 BBLs H2O Pump Plug at 150 psi over Lift Psi, wait 5 min Release Psi wash up Rig Down

H2O test OK

Arrived w/ 575 sks cement 4 gal VCL 16oz Dye 75 lbs sapp 1/2 gal soap

72.4 BBLs slurry

JOB SUMMARY

DESCRIPTION OF JOB EVENTS set plug making 10:45am circ 11:18am cement 11:32am

Drop Plug 11:59am Displace 11:59am

10 BBLs @ 5.5 BBLs/m 12:02pm 320psi
20 BBLs @ 5.5 BBLs/m 12:04pm 370psi
30 BBLs @ 5.5 BBLs/m 12:06pm 420psi
40 BBLs @ 1.0 BBLs/m 12:09pm 210psi
41.8 BBLs @ 1.0 BBLs/m 12:12pm 240psi
Bump Plug 12:12pm 500psi

Used 40% Excess
used 345 sks cement
78 BBLs slurry

L2W/230 sks cement 3 gal VCL 6oz Dye

BBLs Back 21

[Signature]
AUTHORIZATION TO PROCEED

WSS
TITLE

4-26-11

DATE