

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9223

LOCATION wells Ranch

FOREMAN Kirk R. Haller  
Mike R. Tucker, Grant L.

## TREATMENT REPORT

DATE 7-31-10	WELL NAME wells Ranch USX AA11-16P	SECTION 11	TWP 6N	RGE 63W	COUNTY weld	FORMATION
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 55				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 8:00 pm		TIME LEFT LOCATION 11:30 pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 650.2	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 600.4	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 644.5		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		[X] 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

INSTRUCTIONS PRIOR TO JOB: Rig up, safety meeting, Ps. test, circ 40 bbls H2O and 10 w/Dye, mix & pump 275 sks cement at 30% excess at 1.27 yield at 15.2 lbs or until co/man stops us. Release Plug Displace 38.2 Bbls H2O, Bump Plug at 150 psi over LHP Psi, wait 5 min Release Psi, wash up Rig down H2O test OK

Arrived w/ 575 sks cement 4 gallons Kcl 16oz Dye

62.1 Bbls slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS: Safety meeting 10:03pm circ 10:19pm cement 10:29pm  
Drop Plug 10:47pm Displace 10:47pm

10 Bbls At 5.5 Bbls/m 10:50pm 410psi  
20 Bbls At 5.5 Bbls/m 10:52pm 570psi  
30 Bbls At 3.5 Bbls/m 10:53pm 510psi  
38.2 Bbls At 1.0 Bbls/m 11:00pm 320psi  
Bump Plug 11:00pm 540psi

used 114% excess

used 236 sks cement  
53 Bbls slurry

LPH w/

Bbls Back 12

AUTHORIZATION TO PROCEED

"DA MAN"

TITLE

7-31-10

DATE