

# BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9773

LOCATION Hwy 392 & 61

FOREMAN Grant Lowe

## TREATMENT REPORT

DATE 4-5-11	WELL NAME NCLP PL AA 08-19	SECTION 8	TWP 6N	RGE 63W	COUNTY Weld	FORMATION
CHARGE TO Noble			OWNER			
MAILING ADDRESS			OPERATOR Noble			
CITY			CONTRACTOR Saxon Rig #143			
STATE ZIP CODE			DISTANCE TO LOCATION			
TIME ARRIVED ON LOCATION 9:18 am			TIME LEFT LOCATION 1:45 pm			

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 625	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD 577.58	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 5/8	TUBING CONDITION		TUBING		
CASING DEPTH 241.15	620-65	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lbs	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

INSTRUCTIONS PRIOR TO JOB: Rig up, Safety meeting per Co man, Press test to 500 lbs, Circ 30 bbls H<sub>2</sub>O with KCL, dyex's 16oz in 2nd 10 bbls, mix and pump cement 15.2 lbs @ 1.27 qd, pump until dye is seen, then pump tub only, release plug, displace 36.7 bbls, do not pump over 3 bbls/min bump plug @ 150 psi over lift press, wait 5 min, release press, Washup rig down. H<sub>2</sub>O tested good Arrived with, 700 sks, 32oz dye, 16 gts KCL

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting @ 9:55 am, Circulate @ 11:31 am, Cement @ 12:17 pm to 12:37 pm

Drop plug @ 12:38 pm, displace @ 12:39 pm

10 bbls 150 psi @ 12:43 pm @ 3.0 bbls/min

20 bbls 210 psi @ 12:45 pm @ 3.0 bbls/min

30 bbls 290 psi @ 12:48 pm @ 3.0 bbls/min

36.7 bbls 210 psi @ 12:52 pm @ 1.0 bbls/min

Bump plug 430 psi @ 12:52 pm, Float Collar held

We used 265 sks, 16 oz dye, 59.93 bbls slurry - 30% excess

We left with, 435 sks, 16 oz dye, 12 gts KCL

Aug. - Cement - 2.99 bbls/min

displace - 3.0 bbls/min

H<sub>2</sub>O ahead - 3.0 bbls/min

14 bbls slurry to pit

*[Signature]*

AUTHORIZATION TO PROCEED

*[Signature]*

TITLE

4-5-11

DATE