

# BISON OIL WELL CEMENTING, INC.



1738 Wynkoop St., Ste. 102  
Denver, Colorado 80202  
Phone: 303-296-3010  
Fax: 303-298-8143  
E-mail: bisonoil1@qwestoffice.net

REF. INVOICE # 9213

LOCATION cr 55-80

FOREMAN Kirk Hallhoff  
Mike R. Thacker L. Grant

## TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
7-9-10	Dillard AB 10-06	10	7-N	64W	Weld	
CHARGE TO Noble		OWNER				
MAILING ADDRESS		OPERATOR Noble				
CITY		CONTRACTOR Ensign 128				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION 6:30am		TIME LEFT LOCATION 12:00pm				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 814.1	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBD 762.99	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 7/8	TUBING CONDITION		TUBING		
CASING DEPTH 806.87		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 32 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

### 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, Psit test, circ 40 bbls H2O and 104 dye mix Pump 344 SKS cement at 30% Excess at 1.27 yd at 15.2 IS or until cement stops us, Release Pkg Displace 46.4 BBLs H2O, Pump Pkg at 150 psi or lift psi, wait 5 min Release psi, wash up Rig down

H2O test ok

Arrived w/ 750 SKS cement 45 gallons Kel 16oz Dye 77.7 BBLs slurry

### JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 10:07am Circ 10:22am cement 10:31am

Drop Pkg 11:04am Displace 11:04am

used 307 SKS cement

10 BBLs At 5.5 BBLs/m 11:07am 350 psi

used 1540 Excess

20 BBLs At 5.5 BBLs/m 11:09am 440 psi

68.8 BBLs slurry

30 BBLs At 5.5 BBLs/m 11:11am 560 psi

40 BBLs At 3.5 BBLs/m 11:14am 420 psi

46.4 BBLs At 1.0 BBLs/m 11:16am 420 psi

Pump Pkg 11:16am 610 psi

Lft w/ 443 SKS cement 35 gallons Kel 602 Dye

BBLs Back 9

*[Signature]*  
AUTHORIZATION TO PROCEED

*[Signature]*  
Rig Supervisor  
TITLE

7-9-10

DATE