

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9035
LOCATION WCR 132+83
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
6-25-10	Gallegos PC GJ 13-99H2	13	11N	62W	Weld	

CHARGE TO <u>Noble</u>	OWNER
MAILING ADDRESS	OPERATOR <u>Noble</u>
CITY	CONTRACTOR <u>HAP Rig 315</u>
STATE ZIP CODE	DISTANCE TO LOCATION
TIME ARRIVED ON LOCATION <u>3:50 p.m.</u>	TIME LEFT LOCATION <u>2:00 a.m.</u>

WELL DATA			PRESSURE LIMITATIONS	
HOLE SIZE <u>13 3/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL	INSTRUCTED
TOTAL DEPTH <u>1543.2</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG	
<u>PBTD 1495.03</u>	TUBING WEIGHT	OPEN HOLE	STRING	
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING	
CASING DEPTH <u>1538.32</u>		TREATMENT VIA	TYPE OF TREATMENT	TREATMENT RATE
CASING WEIGHT <u>36 lb</u>	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE	BREAKDOWN BPM
CASING CONDITION <u>Good</u>			<input type="checkbox"/> PRODUCTION CASING	INITIAL BPM
			<input type="checkbox"/> SQUEEZE CEMENT	FINAL BPM
			<input type="checkbox"/> ACID BREAKDOWN	MINIMUM BPM
			<input type="checkbox"/> ACID STIMULATION	MAXIMUM BPM
			<input type="checkbox"/> ACID SPOTTING	AVERAGE BPM
			<input type="checkbox"/> MISC PUMP	
			<input type="checkbox"/> 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, Per Company MAN, Circ 50 bbls H₂O with KCL, Lead Mix + pump 50% Excess To Cover 950' = 445 SACKS CEMENT at 13.1lbs 1.69 yield, Tail Mix + pump 20% Excess To Cover 588.32' + Shoe = 311 SACKS CEMENT at 15.2lbs 1.27 yield, Drop plug, Displace 115.5 Wb H₂O, Bump plug at 500 Psi OVER Lift Psi, Wait 5 min then bleed off Psi, Wash up, Rig down, H₂O Tested good, We have 756 SACKS CEMENT, 25 QTS KCL, Change to 30% Excess on Lead

JOB SUMMARY = 385 SACKS at 13.1lbs 1.69 yield

DESCRIPTION OF JOB EVENTS Safety meeting 9:51 am, Circ 10:06 am, Cement 10:15 pm, Drop plug 12:02 pm, Displace 12:03 pm

10 bbls 260 Psi 12:07 am 7.0 bbls/m 70 bbls 750 Psi 12:18 am 7.0 bbls/m
20 bbls 290 Psi 12:09 am 7.0 bbls/m 80 bbls 800 Psi 12:20 am 7.0 bbls/m
30 bbls 340 Psi 12:11 am 7.0 bbls/m 90 bbls 1000 Psi 12:27 am 7.0 bbls/m
40 bbls 430 Psi 12:13 am 7.0 bbls/m 100 bbls 1040 Psi 12:29 am 7.0 bbls/m
50 bbls 550 Psi 12:14 am 7.0 bbls/m 110 bbls 1140 Psi 12:30 am 6.0 bbls/m
60 bbls 630 Psi 12:16 am 7.0 bbls/m 115 bbls 1140 Psi 12:35 am 1.8 bbls/m
Bump Plug 1630 Psi THEN Psi DROPPED to 760 Psi
Float Collar Held at Psi Held for 5 min. at 760 Psi
USED 30% = 385 SACK ON LEAD 115.88 bbls Slurry 13.1lbs 1.69 yield
20% Excess 311 SACKS on Tail 70.34 bbls Slurry 15.2lbs 1.27 yield
30 bbls Slurry to the P.T

[Signature] [Signature] 6-25-10
 AUTHORIZATION TO PROCEED TITLE DATE