

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 9270
LOCATION WCR 49+22
FOREMAN CALVIN REIMERS

TREATMENT REPORT

DATE <u>8-14-10</u>	WELL NAME <u>PIONEER Y 08-03</u>	SECTION <u>8</u>	TWP <u>2N</u>	RGE <u>64W</u>	COUNTY <u>Weld</u>	FORMATION
CHARGE TO <u>Noble</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>Noble</u>				
CITY		CONTRACTOR <u>Ensign Rig 136</u>				
STATE ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>3:45 AM.</u>		TIME LEFT LOCATION <u>9:30 am.</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>1076</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
<u>PBTD 1028.01</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>8 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>1069.65</u>		TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>2416.</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, Cica 60 bbls H₂O with KCL + Dye x 10 in 2nd 10 bbls, Lead Mix + pump tell Dye is seen at 14.8 lbs. 1.32 yield then Mix + pump 100 sack Tail at 15.2 lbs, 1.27 yield 0% Excess to cover 270' shoe, Drop plug, Displace 65.4 bbls H₂O, Bump plug at no more than 150 Psi over Lift Psi, Wait 5 min then bleed off Psi, Washup, Rig down, H₂O tested good, We have 450 sacks Lead, 200 sacks Tail, 32 oz Dye, 10 qts KCL

JOB SUMMARY

DESCRIPTION OF JOB EVENTS Safety meeting 6:52 am, Cica 7:19 am, Cement 7:40 am, Drop plug 8:21 am, Displace 8:23 am, 10 bbls 260 Psi 8:26 am 7.0 bbls/m, 20 bbls 370 Psi 8:27 am 7.0 bbls/m, 30 bbls 480 Psi 8:29 am 7.0 bbls/m, 40 bbls 600 Psi 8:31 am 7.0 bbls/m, 50 bbls 650 Psi 8:34 am 7.0 bbls/m, 60 bbls 670 Psi 8:36 am 6.0 bbls/m, 65 bbls 490 Psi 8:38 am .8 bbls/m, Bump Plug 670 Psi at 8:38 am, USED 32% Excess on Lead = 334 sacks, 0% Excess on Tail = 100 sacks, Left with 116 sack Lead, 100 sacks Tail, 22 oz Dye, 4 qts KCL, 15 bbls Slurry To The Pit

Mike [Signature]
AUTORIZATION TO PROCEED

TITLE

8-14-10

DATE