

BISON OIL WELL CEMENTING, INC.



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REF. INVOICE # 10292
LOCATION WCR 24+19
FOREMAN Calvin Reimers

TREATMENT REPORT

DATE <u>10-19-12</u>	WELL NAME <u>Shaley 3B-4H</u>	SECTION <u>4</u>	TWP <u>2N</u>	RGE <u>67W</u>	COUNTY <u>Weld</u>	FORMATION
CARRIER TO <u>ENCANA</u>		OWNER				
MAILING ADDRESS		OPERATOR <u>ENCANA</u>				
CITY		CONTRACTOR <u>ENSIGN RIG 124</u>				
STATE / ZIP CODE		DISTANCE TO LOCATION				
TIME ARRIVED ON LOCATION <u>3:30 pm</u>		TIME LEFT LOCATION <u>9:00 pm</u>				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE <u>12 1/4</u>	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH <u>817</u>	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
PBTD <u>762.2</u>	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE <u>9 5/8</u>	TUBING CONDITION		TUBING		
CASING DEPTH <u>807</u>		TREATMENT WA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT <u>4016</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 HP = RATE x PRESSURE x 4.01

INSTRUCTIONS PRIOR TO JOB: Rig up, Safety meeting, Per Company Man, P.S. check at 500 Psi, Circ 60 wts H₂O with KCL & Dye in 2nd 10 bbls, Mix & pump till good Dye is seen then pump Tub only at 15.2 lbs 1.27 yield, Drop plug, Displace 57.7 bbls H₂O, Bump plug at 150 Psi, over 1.1 ft Psi, Wait 5 min. Then bleed off P.S., Washup, Rig down. H₂O Tested good, We have 600 SKS, 32 oz Dye, 12 Qts KCL, Per Company Man USE 292 SKS,

JOB SUMMARY

DESCRIPTION OF JOB EVENTS: Safety Meeting 6:25 pm, Circ 7:07 pm, Cement 7:21 pm, to 7:37 pm

Drop Plug 7:42 pm, Displace 7:43 pm

10 bbls 380 Psi 7:46 pm 6.0 bbls/min

20 bbls 480 Psi 7:48 pm 6.0 bbls/min

30 bbls 570 Psi 7:50 pm 6.0 bbls/min

40 bbls 630 Psi 7:52 pm 6.0 bbls/min

50 bbls 570 Psi 7:54 pm 4.5 bbls/min

57.7 bbls 370 Psi 7:57 pm 1.0 bbls/min

Bump Plug 570 Psi at 7:57 pm

USED 37 1/2 % Excess = 292 SKS, 66.04 bbls Slurry

Left with 308 SKS, 16 oz Dye, 6 Qts KCL

35 bbls Slurry To The Pit

AUTHORIZATION TO PROCEED

Co Man

TITLE

10-19-12

DATE

Customer hereby acknowledges and specifically agrees to the terms and conditions on this work order, including without limitation, the provisions on the reverse side hereof which include the release and indemnity.