

BISON OIL WELL CEMENTING, INC.



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LOCATION Otis CO

FOREMAN Justin Linklaw

TREATMENT REPORT

DATE 3-4-11	WELL NAME Hickert 32-34	SECTION 34	TWP 2S	RGE 49W	COUNTY Washington	FORMATION
CHARGE TO Mike Davis		OWNER				
MAILING ADDRESS		OPERATOR				
CITY		CONTRACTOR Fort Rig 5				
STATE ZIP CODE		DISTANCE TO LOCATION 60 min				
TIME ARRIVED ON LOCATION 4:45 AM Reg 6:00 PM		TIME LEFT LOCATION 9:30 PM				

WELL DATA			PRESSURE LIMITATIONS		
HOLE SIZE 12 1/4"	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED
TOTAL DEPTH 605	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG		
	TUBING WEIGHT	OPEN HOLE	STRING		
CASING SIZE 8 1/8"	TUBING CONDITION		TUBING		
CASING DEPTH 594	16 1/4 550	TREATMENT VIA	TYPE OF TREATMENT		TREATMENT RATE
CASING WEIGHT 24 lb	PACKER DEPTH		<input checked="" type="checkbox"/> SURFACE PIPE		BREAKDOWN BPM
CASING CONDITION good			<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

INSTRUCTIONS PRIOR TO JOB MIRU Safety Circ MAP 434 434 bbls of B3 Lite Yield 1.13 Mix 124 124 bbls of H₂O/H₂O
reg 4.78 gal/sk @ 15.2 Dropplug Displace 35 bbls of H₂O Shutin

Water good Additional sk due to change in TD
Annulus 4127 Capacity .0637 100% excess

JOB SUMMARY

DESCRIPTION OF JOB EVENTS MIRU Safety Circ MAP Dropplug Displace Shutin
4:45 AM 7:25 7:37 PM 7:39 PM 8:10 PM 8:25 PM 8:45 PM

Displace
8:25 PM 10 100
8:35 PM 20 300
8:40 PM 25 300
8:45 PM 30 300
8:45 PM 35 300

30 bbls to pit

AUTHORIZATION TO PROCEED *David A. Linklaw* CO HWD DATE 3-4-11