

REF. INVOICE # 9538

LOCATION WOR 74-65

FOREMAN Daniel Saltzman

DATE	WELL NAME	SECTION	TWP	RGE	COUNTY	FORMATION
12-9-10	NCLP PC AA-04-12	4	6N	63W	Weld	

CHARGE TO	Noble	OWNER	
MAILING ADDRESS		OPERATOR	Noble
CITY		CONTRACTOR	Cade 22
STATE ZIP CODE		DISTANCE TO LOCATION	
TIME ARRIVED ON LOCATION	3:18 AM	TIME LEFT LOCATION	8:45

WELL DATA

PRESSURE LIMITATIONS

HOLE SIZE	12 1/4	TUBING SIZE	PERFORATIONS	THEORETICAL		INSTRUCTED	
TOTAL DEPTH	748.10	TUBING DEPTH	SHOTS/FT	SURFACE PIPE ANNULUS LONG			
PATD		TUBING WEIGHT	OPEN HOLE	STRING			
CASING SIZE	8 5/8	TUBING CONDITION		TUBING			
CASING DEPTH		TREATMENT VIA	TYPE OF TREATMENT			TREATMENT RATE	
CASING WEIGHT	24#	PACKER DEPTH	[] SURFACE PIPE			BREAKDOWN BPM	
CASING CONDITION	906d		[] PRODUCTION CASING			INITIAL BPM	

PRESSURE SUMMARY

BREAKDOWN or CIRCULATING	psi	AVERAGE	psi	[] ACID BREAKDOWN	MINIMUM BPM
FINAL DISPLACEMENT	psi	SIP	psi	[] ACID STIMULATION	MAXIMUM BPM
ANNULUS	psi	5 MIN SIP	psi	[] ACID SPOTTING	AVERAGE BPM
MAXIMUM	psi	15 MIN SIP	psi	[] MISC PUMP	
MINIMUM	psi			[] OTHER	HYD HHP = RATE X PRESSURE X 40 B

INSTRUCTIONS PRIOR TO JOB Rig up, Safety Meeting, PSI test, Circ 40 bbls of H₂O w/ KCL 2nd 10 w/ 16oz Dye
mix + pump 317 SKs of Cement @ 30% Excess @ 15.2 lb @ 1.27 yield, or until stopped BY
Cp man, Drop Plug Displace 44.2 bbls of H₂O Pump Plug @ 150 psi over left psi exert 5 min
Release psi washup Rig Down H₂O test ok
Arrived w/ 500 SKs of Cement 32oz Dye 5 gal KCL 71.7 bbls of Slurry

JOB SUMMARY

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DESCRIPTION OF JOB EVENTS

Saffy meeting 6:47AM C/cr 7:07AM Cement 7:21AM
Drop Plug 7:43AM Displace 7:513am

10 bbls	5.0/m	100 psi	7:47 AM	Used 300 lbs of Cement
20 bbls	5.0/m	150 psi	7:58 AM	22% Excess
30 bbls	5.0/m	320 psi	7:53 AM	62.8 bbls of Slurry
40 bbls	2.5/m	340 psi	8:00 AM	
44.2 bbls	1.0/m	270 psi	8:06 AM	
Bump plug		400 psi	8:06	

left w 200 sks of Cement 4 gal Red 16oz Dye
7 Bbls of Slurry Back



AUTHORIZATION TO PROCEED

TITLE

12-~~AA~~-10
DATE

DATE _____