(1	reb. 19	951)	

(SUBMIT IN TRIPLICATE)

UNITED STATES DEPARTMENT OF THE INTERIOR

Land Office	Office						
Lease No	079045						
linte	Marthanat	11 amos					

NOTICE OF INTENTION TO CHANGE PLANS. NOTICE OF INTENTION TO TEST WATER SHUT-OFF. NOTICE OF INTENTION TO TEST WATER SHUT-OFF. NOTICE OF INTENTION TO SHOOT OR ACIDIZE. NOTICE OF INTENTION TO SHOOT	NOTICE OF I	INTENTION TO DRILL		SUBSEQ	UENT REPORT OF WA	TER SHUT-OFF	327 2 1 P
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL NOTICE OF INTENTION TO SHOOT OR ACIDIZE. SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR NOTICE OF INTENTION TO SHOOT OR ACIDIZE. SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR NOTICE OF INTENTION TO SHOOT OR ACIDIZE. SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR NOTICE OF INTENTION TO SHOOT OR ACIDIZE. SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR NOTICE OF INTENTION TO SHOOT OR ACIDIZE. SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR SUBSEQUENT REPORT OF READMAND. SUPSECUENT REPORT OF RE-DRILLING OR REPAIR SUBSEQUENT REPORT OF READMAND. SUPSECUENT REPORT OF READMAND. SUBSEQUENT REPORT OF READMAND. SUPSECUENT REPORT OF REPORT. SU	NOTICE OF I	INTENTION TO CHANGE PLAN	NS	SUBSEQ	UENT REPORT OF SHO	OTING OR ACID	IZING
MOTICE OF INTENTION TO REPORT OR REPAIR WELL SUBSCULENT REPORT OF READMONMENT. MOTICE OF INTENTION TO SHOOT OR ACIDETE. MOTICE OF INTENTION TO PULL OR ALITE CASING. SUBSCULENT REPORT OF READMONMENT. MOTICE OF INTENTION TO ABANDON WELL SUBSCULENT REPORT OF READMONMENT. MOTICE OF INTENTION TO PULL OR ALITE CASING. SUBSCULENT REPORT OF READMONMENT. SUBSCULENT REPORT OF READMONMENT. SUBSCULENT REPORT OF READMONMENT. MOTICE OF INTENTION TO PULL OR ALITE CASING. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO PULL OR ALITE CASING. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO PULL OR ALITE CASING. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION TO ABANDON WELL. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION. SUPPLEMENTARY WELL HISTORY. MOTICE OF INTENTION.	NOTICE OF I	INTENTION TO TEST WATER	SHUT-OFF	SUBSEQ	UENT REPORT OF ALT	ERING CASING.	1 GENERAL CONTRACTOR
NOTICE OF INTENTION TO PULL OR ALITE CASING. NOTICE OF INTENTION TO ABANDON WELL (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA (INDICATE ABOVE BY CHECK MARK NATURE OF REPORT O	NOTICE OF I	INTENTION TO RE-DRILL OR	REPAIR WELL	SUBSEQ	UENT REPORT OF RE-	DRILLING OR RÉ	PAIR
(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) (RESAVERDE - DAKOTA DUAL September 19 5 (ell No. 57-21 is located 560 ft. from Notice and 1630 ft. from Diline of sec. 21 (b) Sec. and Sec. No.) (County of Subdivision) (NOTICE OF I	INTENTION TO SHOOT OR AC	CIDIZE	i			
(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA) MESAVERDE - DAKOTA DUAL September				SUPPLEI			13.4
rell No. 57-21 is located .660 ft. from	NOTICE OF I	INTENTION TO ABANDON WE	ш		of mary wells.	A 61 2620	- Farer . Frac . X
rell No. 57-21 is located .660 ft. from		(IND)CATE	ABOVE BY CHECK	MARK NATURE OF P	PORT. NOTICE OR OT	HER DATA)	
fell No. 57-21 is located .660 ft. from		(March 12)	ADOTE DI GILLON	MAKIN HATOKE OF KI	DOKT, NOTICE, OR OT	HER DAIR)	
cell No. 57-21 is located	CESAVER	DE - DAKOTA DUAL	E.		2		10 🕶
(y Sec. 21 31% Tv (Mordian) San Juan (Pield) (Pield) (County or Subdivision) (State or Territory) (State		,	-	***************************************		ahambar.	, 19 5
(y Sec. 21 31% Tv (Mordian) San Juan (Pield) (Pield) (County or Subdivision) (State or Territory) (State	7 11 NT - !	\$793 · 1 1		(N) ₁ .	1 men c	ε (Ε),	r
Hence Heavente-Bakete. (Field) (County or Subdivision) (State or Territory) DETAILS OF WORK DETAILS OF WORK OIL COM. COM. OIL COM. COM. OIL COM. OI	'ell INO	is located	i <u>swy</u> n. n	rom_XEX	and	from (T.)	ne of sec
Hence Heavente-Bakete. (Field) (County or Subdivision) (State or Territory) DETAILS OF WORK DETAILS OF WORK OIL COM. COM. OIL COM. COM. OIL COM. OI	M/EE/A	Sec. 21	31 x	74	M22 Dek		COTIL S
(Field) (County or Subdivision) (State or Territory) the elevation of the derrick floor above sea level is	(36 Ber	c. and Sec. No.)	(Twp.)	(Range)	(Meridian)		JOFT HIVE
DETAILS OF WORK DETAILS OF WORK OIL COM. COMST. 3 Tate names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mulding jobs, comenting points, and all other important proposed work) 759, perforanced the Dakota Zone thra 36" easing with 4 holes per foot 7779'-7' 756' 5 766'-7580' Send-unter fraced with 55,760 gallone of unter (including 2.25) lbs of cand. Maximum treating pressure 2900 PSI. Minimum treating pressure II. Final pressure 3600 PSI. Average injection rate 25 barrels per minute. 759, refraced the Dakota Zone thru previous perforations with 22,000 gallone (including flush) & 6000 lbs of sand. Maximum treating pressure 5000 PSI. Missum treating pressure 15 barrels perforated aff. I up Inkets Formation and, on 9/14/59, set retainer at 7690' & leaded hole with 60, 300 of water (including flush) and 40,000 PSI. Send-water fraced with 60,300 of water (including flush) and 40,000 PSI. Missum treating pressure 1600 PSI. 1 understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. MAXIMOD & MICHOLS COMPANY	Names	Moseyerde-Inkole				Nev	MARKEUL! Y [
DETAILS OF WORK DETAILS OF WORK OIL CON. CO state names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate multipling jobs, communing points, and all other important proposed work) 1/39, perforated the Dakota Zone thru He' casing with 4 holes per foot 7779'-7' 1/336' & 7846'-7860' Sand-water fraced with 55,760 gallone of unter (including ; 1/235 lbe of sand. Maximum treating pressure 2900 PSI. Minimum treating pressur 1/39, refraced the Dakota Zone thru previous perforations with 22,080 gallone of including flush) & 6000 lbe of sand. Maximum treating pressure 3000 PSI. Minimum treating pressure 15 barr 1/256' and perforated the Pedat Lockout Formation thru He' casing with 15 barr 1/256' and perforated the Pedat Lockout Formation thru He' casing with 15 per foot 5501'-5531', 5556'-5578' a 5564'-5609'. Sand-water fraced with 60, 500 of water (including flush) and 40,000 lbe of sand. Dajoeted 50 rubber ballo mts. Maximum treating pressure 1600 PSI. Hinimum treating pressure 1400 PSI. 1/256' understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. 2/257 Indiana. Hadding Minimum treating pressure 1400 PSI.		(Field)	(Con	inty or Subdivision)		(State or Ter	tory)
DETAILS OF WORK OIL CON. CO DIST. 3 Late names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate multiding jobs, comenting points, and all other important proposed work) 1/39, perforated the Baketa Zone thru 96° easing with 4 holes per foet 7779'-71 1/36' à 7948'-7880' Sand-water fraced with 93,760 gallens of water (including 1) 1/235 lbs of sand. Harimum treating pressure 2900 PSI. Hinimum treating pressure 1/235 lbs of sand. Harimum treating pressure 2500 PSI. Harimum treating pressure 1/235 lbs of sand. Harimum treating pressure 15 harrols per minute. 1/235 lbs of sand. Harimum treating pressure 3500 PSI. Harimum treating pressure 3500 PSI. Harimum treating pressure 3500 PSI. Hinimum treating pressure 3600 PSI. Hinimum treating pressure 3600 PSI. His pressure 3600 PSI. Harimum treating pressure 15 harrols per sand of 5 harrols and perforated the Peint Lockout Formation thru 96° easing with 10 part foet 5501'-5531', 5956'-5578' a 5504'-5609'. Sand-water fraced with 60,300 psi of water (including flush) and 40,000 lbs of sand. Injected 50 rabber halls mt. Harimum treating pressure 1600 PSI. Hinimum treating pressure 1600 PSI. 1 understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. 2 MARIMON A HIGHOLS COMPANY	he elevati	ion of the derrick flo	oor ahove sea	level is 64	05 ft	:	SEP 2.5 1959
tate names of and expected depths to objective and all other important proposed casings; indicate muliding jobs, comenting points, and all other important proposed work) 1/39. perforated the Dakota Zone thru MF easing with 4 holes per foet 77791-71936 a 79801-79801 Sand-unter fraced with 53,760 gallone of unter (including 1,235 lbs of sand. Maximum treating pressure 2900 PSI. Minimum treating pressure II. Pinal pressure 3600 PSI. Average injection rate 25 barrals per minute. 1/59, refraced the Dakota Zone thru previous perforations with 22,080 gallone (including flush) à 6000 lbs of sand. Maximum treating pressure 3000 PSI. Minimum treating pressure 3000 PSI. Minimum treating pressure 3000 PSI. Pinal pressure 3600 PSI. Average injection rate 15 barrate. Formation sanded off. 1 up Dakota Pormation and, on 9/14/59, set retainer at 76901 A leaded hole with miner at 36401 and perforated the Peint Lockout Formation thru MF easing with 60,300 of water (including flush) and 40,000 lbs of sand. Injected 30 rebber balls mt. Maximum treating pressure 1400 PSI. 1 understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. 2 MAGENOOD & MICHOLS COMPANY	iic cicvati	ion of the defrica in	oor above sea	1 10 4 01 13 1111111			OIL CON. CO
1/59, perforated the Jaketa Zone thru Mr caming with 4 holes per foet 7779'-7'-7'-7'-7'-7'-7'-7'-7'-7'-7'-7'-7'-7'			DE"	TAILC OF M			1 20 100 000 000
1/59, perforated the Dakota Zone thru Mr caming with 4 holes per foot 7779'-7'-7'-7'-7'-7'-7'-7'-7'-7'-7'-7'-7'-7'			<i>D</i> 1.	IAILS OF W	ORK		E Tam /
235 lbe of sand. Harimum treating pressure 2900 PSI. Minimum treating pressure 2500 PSI. Minimum treating pressure 2500 PSI. Average injection rate 25 barrels per minute. 1599, refraced the Baketa Some thru previous perforations with 22,000 gallens (including flush) & 6000 lbe of sand. Maximum treating pressure 3000 PSI. Minutes treating pressure 3000 PSI. Minutes. Fermation sanded off. I up Baketa Pozmation and, on 9/14/59, set retainer at 7690' A leaded hole with miner at 3600' and perforated the Point Lockout Formation thru 36' easing with leaf foot 5501'-5531', 5556'-5576' A 5584'-5609'. Sand-water fraced with 60,300 of water (including flush) and 40,000 lbe of sand. Injected 50 rebber balls mt. Maximum treating pressure 1600 PSI. Minimum treating pressure 1400 PSI. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. BLACKWOOD A MICHOLE COMPANY	tate names of	f and expected depths to ob			-	casings; indicat	e mudding jobs, coment-
II. Pinal pressure 2600 PSI. Average injection rate 25 barrels per simite. 1/59, refraced the laketa Some thru previous perferations with 22,060 gallens (including flush) & 6000 lbs of sand. Maximum treating pressure 5000 PSI. Mis pressure 5000 PSI. Pinal pressure 2600 PSI. Average injection rate 15 barrante. Fermation sanded off. I up laketa Formation and, on 9/14/59, set retainer at 7690' A leaded hole with miner at 3640' and perferated the Paint Lockeut Formation thru 36' easing with par foot 5501'-5531', 5556'-5578' A 5584'-5609'. Sand-water fraced with 60,500 of water (including flush) and 40,600 lbs of sand. Injected 50 rubber halls mat. Maximum treating pressure 1600 PSI. Minimum treating pressure 1400 PSI. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. MAGENOOD A HIGHOLE COMPANY	tate names o	exfere ted the De	jective sands; sho ing points, and	w sizes, weights, an all other importan	d lengths of proposed t proposed work)	holes no	- foot 77701-7
1/59, refraced the Paketa Some thru previous perferations with 22,060 gallens (including flush) à 6000 lbs of sand. Maximum treating procesure 3000 PSI. Mis pressure 3000 PSI, Final pressure 3600 PSI. Average injection rate 15 bars into. Fermation and, on 9/14/59, set retainer at 7690' à leaded hole with miner at 5640' and perferated the Paint Locksut Formation thru 36' easing with par fort 5501'-5531', 5556'-5578' à 5584'-5609'. Sand-water fraced with 60,300 of water (including flush) and 40,600 lbs of sand. Injected 50 rubber balle mt. Maximum treating pressure 1600 PSI. Minimum treating pressure 1400 PSI. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. ELAGEWOOD & HIGHOLS COMPANY	tate names of	erferated the De 7848'-7860' Sen	jective sands; sho ing points, and kota Sone idevator fi	w sizes, weights, an all other importantiant series	d lengths of proposed t proposed work)	boles pe	r foot 77791-7
(including flush) & 6000 lbe of sand. Maximum treating processes 5000 PSI. His processes 5000 PSI. Final processes 2600 PSI. Average injection rate 15 barrante. Formation and, on 9/14/59, set retainer at 7690' & leaded hole with miner at 5640' and perforated the Paint Lockeut Formation thru 56' easing with par foot 5501'-5531', 5956'-5578' & 5584'-5609'. Sand-water fraced with 60,300 of water (including flush) and 40,000 lbe of sand. Injected 50 rubber balls mt. Maximum treating processes 1600 PSI. Minimum treating processes 1400 PSI. Junderstand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. MAGEWOOD & HIGHOLS COMPANY	tate names of 1/59, pri 7036' & 235 1bc	orforated the De 7844'-7880' Sea 5 of each. Mari	ijective sands; sho ing points, and akota Zone id-unter fi	w sizes, weights, an all other importan that he could be compared with	d lengths of proposed t proposed work) Aming with 4 35,760 malle a 2900 PRI.	holes pe us of wat	r foot 7779'-7
mte. Fermation sanded off. I up Daketa Pormation and, on 9/14/59, set retainer at 7690' A leaded hole with miner at 7640' and perforated the Point Lockeut Formation thru %6' easing with our foot 5501'-5531', 5556'-5576' A 5564'-5609'. Sand-water fraced with 60,500 of water (including flush) and 40,600 lbs of sand. Injected 50 rebber balls mt. Maximum treating pressure 1600 PSI. Hinimum treating pressure 1400 PSI. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Shagewood A HIGHOLS COMPANY	1/59, p 7036	orforated the De 7944'-7880' San 8 of eard, Hari Mai procesure 260	jective sands; sho ing points, and akota Zone td-water fr issue trea ti to PEL. Av	w sizes, weights, an all other important thank Sign or mood with the process.	d lengths of proposed t proposed work) asing with 4 35,750 galle 2900 PSI.	holes pe no of uni Minimum	r foot 77791-7 or (including : treating proces
up Baketa Formation and, on 9/14/59, set retainer at 7690' A leaded hole with miner at 5640' and perferated the Peint Lockeut Formation thru M' easing with per foet 5501'-5531', 5556'-5578' A 5564'-5609'. Sand-water fraced with 60,300 of water (including flush) and 40,600 lbs of sand. Injected 50 rebber balls mt. Maximum treating pressure 1600 PEI. Hinimum treating pressure 1400 PEI. 1 understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. ELAGEWOOD A HIGHOLS COMPANY	1/59, p 7036	orforated the De 7944'-7880' San 8 of each. Hazi hal procoure 260 ofraced the Dake	jective sands; sho ing points, and akota Zene td-water fi imm type ti 10 PSI. Ay	w sizes, weights, an all other important that Siff or mood with in process.	d lengths of proposed t proposed work) asing with 4 55,760 galle 2900 PRI.	holes pe ne of wat Minimum 5 barrels	r foot 7779'-7' or (including treating press per minute.
I up Daketa Pozmation and, on 9/14/59, set retainer at 7690' à leaded hole with miner at 3640' and perforated the Peint Lockeut Formation thru 56' easing with per foot 5501'-5531', 5956'-5578' à 5584'-5609'. Sand-water fraced with 60,300 of water (including flush) and 40,600 lbe of sand. Injected 50 rubber balls mt. Maximum treating pressure 1600 PEL. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. MAGEWOOD & HIGHOLS COMPANY	1/59, p 7036 4 ,235 lbs EI. Pis 1/59, m (Include	orforated the De 7946'-7880' Sam o of each. Hazi mal pressure 250 ofraced the Dake inc flush) & 600	jective sands; sho ing points, and akota Zone id-water f; laws treati 10 PSI. Av	w sizes, weights, an all other important thank Siff or mood with in present than process.	d lengths of proposed t proposed work) asing with 4 55,760 galle 2900 PSI. tion subo 2 porfore tig	holes pe ne of wat Minimum 5 barrels ne with 2	r foot 7779'-7' er (including treating proces per minute. 2,000 gallens
per foot 5501'-5531', 5556'-5576' A 5564'-5609'. Sand-water fraced with 60,500 of water (including flush) and 40,600 lbs of sand. Injected 50 rubber balls mt. Maximum treating pressure 1600 PSI. Hisimum treating pressure 1400 PSI. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. SLACKWOOD A HIGHOLS COMPANY	1/59, po 1036 a 235 lbs EL. PLI 5/59, po (Include by proce	erforated the Re 7840'-7860' Sea 9 of each. Hari nal pressure 260 efraced the Dake ing flush) & 600 pure 5000 PSI.	jective sands; sho ing points, and sketa Zome id-water fr imm treati 10 PSI. Av ita Zome th 10 1be of a Pinal pres	w sizes, weights, an all other important thank Siff or mood with in present than process.	d lengths of proposed t proposed work) asing with 4 55,760 galle 2900 PSI. tion subo 2 porfore tig	holes pe ne of wat Minimum 5 barrels ne with 2	r foot 7779'-7' er (including treating proces per minute. 2,000 gallens
of water (including flush) and 40,000 lbs of sand. Injected 50 rebber balls mt. Maximum treating pressure 1600 PHI. Hinimum treating pressure 1400 PHI. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. MACKWOOD A HICHOLS COMPANY	1/59, pr 1036 & 235 lbs U. Pis 1/59, m (include to proces	orforated the In 7840'-7860' San 9 of each. Hari nal pressure 260 ofraced the Bake ing flush) & 600 ware 3000 PSI, Formation conded	jective sands; sho ing points, and skota Zone td-water fr imm treati 10 PSI. Av ta Zone th 10 lbe of a Pinal proc i off,	w sizes, weights, an all other important third 'M'' o meed with the meed	d lengths of proposed t proposed work) nating with 4 33,760 galle 2900 PRI. Otion rate 2 perforation man treating PSI. Average	holes pe ne of wat Minimum 5 barrols ne with 2 pressure 1 injecti	r foot 7779'-7' er (including treating proces per minute. 2,000 gallens
of water (including flush) and 40,000 lbs of sand. Injected 50 rebber balls mt. Maximum treating pressure 1600 PHI. Hinimum treating pressure 1400 PHI. I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. MACHWOOD A HICHOLS COMPANY	l/59, pr 036' & 235 lbs I. Pis /59, pr include g proces nto, I	orforated the Ze 7844-7860 Sax e of each. Hazi and pressure 250 afraced the Zake ing flush) & 600 ware 5000 PSI, Formation sanded	jective sands; sho ing points, and skota Zone id-water fr imms treati 10 PSI. Av ita Zone th 10 lbe of a Pinal pres l off,	w sizes, weights, an all other important that \$60 and the mood with the processor and provide the provide that the provide the	d lengths of proposed t proposed work) Asing with 4 35,760 galle 9 2900 PSI. Otion rate 2 perforation tracting PSI. Average	holes pe ne of wat Minimum 5 barrels ne with 2 pressure 1 injecti	r foet 7779'-7' er (including ; treating press per minute. 2,080 gallens (3000 PSI, Mi
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. The Grand Survey before operations may be commenced. The Grand Survey before operations may be commenced.	l/59, project to 1235 lbs li. Pin ly59, m linelwis mbe. It up Inite to 125 lbs	erforated the Re 7840'-7860' Sen 8 of each. Hazi mal pressure 260 ofraced the Bake ing flush) à 600 mare 3000 PSI, Formation sanded teta Pormation a	jective sands; sho ing points, and akota Zone id-water fr imm treati to PSI. Av its Zone th to like of a Pinal proc i off, and, on 9/1	waizes, weights, an all other important three Ser e mood with ing presour remage injective provious and. Manistrus 2600	d lengths of proposed t proposed work) nating with \$ 35,760 galle 2900 PSI. Itien rate 2 perforation man treating PSI. Average	holes pe ne of wat Minimum 5 barrels ne with 2 pressure 5 injecti 7690' & 1	r foot 7779'-7' or (including ; treating proces per minute. 2,080 gallens 3000 PSI. Mis on rate 15 barr
I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced. Discretely the Geological Survey before operations may be commenced. Discretely the Geological Survey before operations may be commenced.	l/59, pr 1036' 4 1235 lbs II. Pis 1/59, se (imeludi te press te pr	erforated the Re 7840'-7860' Sea 8 of each. Hazi mal procesure 260 ofraced the Rake ing flush) & 600 mare 5000 PSI. Formation sanded tets Formation a 1 '5640' and per 1 '5601'-5512'.	ing points, and ing points, and akota Zone id-water fr imm treati 10 PSI. Av ita Zone th 10 lbe of a Pinal pres 1 off, and, on 9/1 iforated th	waizes, weights, an all other important time \$60 or mood with ing pressure remage injective provious and. Maris remay 2600 in Point Los A State of the all	d lengths of proposed t proposed work) Assing with 4 35,760 galle 2900 PSI. Ities rate 2 perforation mus treating PSI. Average retainer at	holes pe ne of wat Minimum 5 barrels ne with 2 pressure 5 injection 7690' A 1 ion thru	r foot 7779'-7' or (including ; treating press; per simute. 2,080 gallens; 3000 PSI. Mista rate 15 bars maded hole with Miss caring with
ompany BLACEWOOD & HICHOLS COMPANY	l/59, property to the last of	erforated the Re 7840'-7860' Sea 8 of each. Hazi and pressure 260 efraced the Rake ing flush) & 600 sure 5000 PSI. Fermation sanded teta Posmation a 11 5640' and per 1 5501'-5531', 5 ter (including f	ing points, and ing points, and akota Zone id-water frame treati 10 PSI. Ayota Zone th 10 lbe of a Pinal president, on 9/1 iforated th 1556'-5576'	waizes, weights, an all other important time \$60° or mood with ing pressure reruge injective previous and. Maria seure 2600 in Print Los A 55641-56	d lengths of proposed t proposed work) Assing with 4 35,760 galle 2900 PSI. Ities rate 2 perforation must treating PSI. Average retainer at bloom Formation 1091. Sande	holes pe ne of wat Minimum 5 barrels ne with 2 pressure 1 injection 7690' A 1 ion thru	r foot 77791-71 or (including ; treating press; per simte. 2,080 gallens; 3000 PSI. Mison sute 15 bars maded hole with 36" ensing with sed with 60,300
nipany	/59, pi /836 & /235 lbe II. Pis /59, pe /moludi to proce mto. I i up hai miner a per foot of wat	erforated the Re 7840'-7860' Sea 8 of each. Hazi mal pressure 260 ofraced the Rake ing flush) & 600 mare 5000 PSI. Fernation maded tets Formation a 1 5640' and per 1 5901'-5531', 5 ler (including faximum treating	ing points, and ing points, and akota Zone id—water frame treating PSI. Avota Zone the Dinal president off. Indiana treating process of the contract off. Indiana process of the contract off. Indiana process of the contract of the contr	w size, weights, an all other important that \$60° o meed with hing presents range injective previous and. Manistrus 2600 i A/59, set : a 5584'-56 49,000 lbe 600 PEI.	d lengths of proposed to proposed work) Asing with 4 33,760 galles 9 2900 PSI. Ities rate 2 perforation must treating PSI. Average retainer at stout Formation of send. In Grissen treation Grissen treation Grissen treation Grissen treation Grissen treation description of send. In	holes pe ne of wat Minimum 5 barrels ne with 2 pressure 1 injection 7690' A 1 ion thru mater fran Ljected 5 king press	r foot 7779'-7' or (including ; treating press; per simte. 2,080 gallens; 3000 PSI. Mison rate 15 bars anded hole with 56" easing with red with 60,300 rubber halls pure 1400 PSI.
D A BAY 1686	/59, pi /836' & /235 lbe II. Pis /59, pe imbo, s i up Dai miner a per foot of wat mt, Ma	erforated the Re 7840'-7860' See 9 of each. Hazi nal pressure 260 efraced the Rake ing flush) & 600 rare 5000 PSI, Formation sanded teta Pormation a 1 5640' and per 2 5501'-5531', 5 ber (including f aximum treating of that this plan of work me	ing points, and ing points, and akota Zone id-water frame treati 10 PSI. Avota Zone th 10 lbe of a Pinal president, on 9/1 Forated th 1956'-5976' lunk) and pressure lust receive approximate control	waizes, weights, an all other important times \$60 or an arrange in jector and arrange in jector	d lengths of proposed to proposed work) Asing with 4 33,760 galles 9 2900 PSI. Ities rate 2 perforation must treating PSI. Average retainer at stout Formation of send. In Grissen treation Grissen treation Grissen treation Grissen treation Grissen treation description of send. In	holes pe ne of wat Minimum 5 barrels ne with 2 pressure 1 injection 7690' A 1 ion thru mater fran Ljected 5 king press	r foot 7779'-7' or (including ; treating press; per simte. 2,080 gallens; 3000 PSI. Mison rate 15 bars anded hole with 56" easing with red with 60,300 rubber halls pure 1400 PSI.
	1/59, pr 1036 a 1235 lbs 12. Pis 1/59, pr 1/59,	orforated the Ze 7844-7860' Sam 9 of each. Hasi nal pressure 360 afraced the Rake ing flush) & 660 were 3000 PSI, Fermation enaded teta Posmation a 11 5640' and per 1 5501'-5531', 5 ler (including f trimes treating of that this plan of work ma ELAGREGOON & N	ing points, and ing points, and akota Zone id-water frame treati 10 PSI. Avota Zone th 10 lbe of a Pinal president, on 9/1 Forated th 1956'-5976' lunk) and pressure lust receive approximate control	waizes, weights, an all other important times \$60 or an arrange in jector and arrange in jector	d lengths of proposed to proposed work) Asing with 4 33,760 galles 9 2900 PSI. Ities rate 2 perforation must treating PSI. Average retainer at stout Formation of send. In Grissen treation Grissen treation Grissen treation Grissen treation Grissen treation of send. In	holes pe ne of wat Minimum 5 barrels ne with 2 pressure 1 injection 7690' A 1 ion thru mater fran Ljected 5 king press	r foot 7779'-7' or (including ; treating press; per simte. 2,080 gallens; 3000 PSI. Mison rate 15 bars anded hole with 56" easing with red with 60,300 rubber halls pure 1400 PSI.
DERAMOO, COLORADO Ry by Delega Long	/59, po 036' & 235 lbs I. Pis /59, se include g proces no. I up Inst aimer of of wat at. He understan	erforated the Re 7840'-7860' Sea 9 of each. Hazi nal pressure 260 ofraced the Rake ing flush) & 600 rare 5000 PSI. Formation sanded tota Pormation a 14 5640' and per 1 5501'-5531', 5 ler (including f aximum treating d that this plan of work ma REAGEWOOD & N P.O. 20X 1237	ing points, and ing points, and akota Zone id-water for the lame treating PSI. Avois Zone the principal process of the lame treating	w size, weights, an all other important that \$6° e record with ing present in jet in previous previous previous and, Maria seure 2600 in A 5584'-56 49,000 lbe 600 PSI, all in writing by the IFAMY	d lengths of proposed to proposed to proposed work) Asing with 4 33,760 galles 9 2900 PSI. 9 tien rate 2 9 perforation mus treating PSI. Average retainer at stout Formation of send. In Geological Survey be	holes pe ne of wat Minimum 5 barrels ne with 2 pressure 1 injection 7690' A 1 ion thru mater fran Ljected 5 king press	r foot 7779'-7' or (including ; treating press per simte. 2,080 gallens 3000 PSI. Mis on rate 15 bars maded hole with Sér easing with ood with 60,300 0 rubber balls may be commenced.

Original Signed By Delasso Lee GPO 8 520 40 Minal pressure Zero PSI. Average injection rate 50 barrols per minute. Set retainer at 5490' and perforated the Henefee & Cliffhouse Somes thru 36' easing with 2 holes per feet \$291'-5304', 5309'-5315', \$343'-5360', 5399'-542', \$439'-545', \$439'-546'. Send-vator fraced with 63,000 gallous of water (including flush) and 40,000 lbs of send. Injected 70 rubber balls during treatment. Hazimum treating pressure 1750 FSI. Hinimum treating pressure 1700 FSI. Final pressure Some FSI Average injection rate 45.4 barrols per minute.