RAY SMITH DRILLING COMPANY

3300 REPUBLIC BANK BUILDING DALLAS, TEXAS 75201

June 16, 1967

OIL OPERATIONS FOR:
RAY SMITH-OIL PRODUCER
RAY SMITH DRILLING CO.
RAY SMITH TRUST
CHEMICAL EXPRESS, INC.
CEMENT TRANSPORTS, INC.

New Mexico Oil Conservation Commission P. O. Box 871 Santa Fe, New Mexico

Gentlemen:

Your Order No. R-3112 Shugart 18-Queen Unit Eddy County, New Mexico 67 Jun 19 AH 8 23

Same and the Commence of

We submit the following information for your consideration, and we requestion your approval for conversion of Well #6 on subject Unit from a producing status to one of injection.

Rule 701-E

5. Your Order No. R-3112 originally authorized this waterflood project.

Our reason for this converstion is that the well experienced premature water breakthrough and, after extensive testing, it was decided to convert it to injection status. It was producing 100% water.

The well has 5-1/2" casing and had been producing from open-hole. Rods and tubing were pulled, well cleaned out and a cement plug (10' of pea gravel and 13' of hydromite) was placed directly under the producing formation at a depth of 3,229' to facilite injection into the producing zone. Then we re-ran the 2-3/8" tubing on a packer which was set at a depth of 2,940' and well placed on injection service April 1, 1967.

Other pertinent data is shown below in complying with Section B of this regulation.

Rule 701-B

- 1. Attached is a plat showing the location of subject well and its relationship to the other wells in this Unit. The formation involved is the Queen Sand. See Exhibit "A" attached.
- 2. See Exhibit "B" attached.
- 3. See Exhibit "C" attached.
- 4. The formation is the Queen Sand at a depth of 3,050' to 3,095'; water is the fluid to be injected; anticipated volume is 4,400 bbls per month and average injection pressure is 1,600#; the source of water -- purchased from the Double Eagle Corporation of New Mexico.

Rule 701-B (Cont'd)

5. A copy of this letter and a complete set of the enclosed material is being sent to the State Engineer Office as shown below.

Your approval of this conversion will be genuinely appreciated, and we assure you that, in the future, your regulations will be followed in a timely manner. If there is any additional information needed, let us hear from you, and we shall endeavor to furnish it.

Very truly yours,

RAY SMITH DRILLING COMPANY

(Miss) Nell M. Heflin

NMH:s

Enclosures

cc: State Engineer Office (w/encls)

Capitol Building Santa Fe, New Mexico

W. H. Cravey - Artesia

SHUGART 18-QUEEN UNIT EDDY COUNTY, NEW MEXICO

I - Injection Well P - Producing Well

ILLEGIBLE

		art.															•			•	`				
							-			**************************************		SELF	Dir.c		-		TRANSPORTER	Nature: Weight: Bottom	Fort Re Footage Caving S Caving S Lotal I	15.54					ပ္. ႏိုင္ငံ
								•	: -		•	SELR-POTENTIAL	Marca				THE WARFS HOTE. BASS HED THE FRESH THEFFENATURES TO 3392'.	re: Dry ho ht: m Tempers	here Reading par Bowling Boorage Measured - Laving Shoe Depth Lotal Depth Reach Lotal Depth Reach	99.	· · · · · · · · · · · · · · · · · · ·				100 100 100 100 100
		-	- 	<u>i</u>	<u>.</u>				 !	<u> </u>		TIAL LO	25, 1940				NG AT 37 L CY SAL SAND 30 SAND 30 SAND 30 SAND 30 SAND 30	011 1 1•/ V1188 Resuc ture:	di series	ŀ					<u> </u>
		· · · · · · · · · · · · · · · · · · ·		· • • • • • • • • • • • • • • • • • • •		,,,			<u>.</u>			LOG_mıliivolts		: :		•	OO! PROBA T 1697' SO'-SOR' MACL OIL IN THE THE	DOWN	133 133 133	PROBLE	STATE: H	COUNTY	FICLD:	COMPANY	D)
			- · • - ·									INTER- PRETATION		î		:	BL ANG	CHAF		ROBLEM: DENCHAL	# K. X.	1173			
	50		00		0	;		00				2" HCHG	Observers:				ARX CATES AS SHO	RACTE	Started nin Indihed rus. Ture well seem Time waters of Total tent messi Mileuge mession	אב בהמסא	(C)			* * * * * * * * * * * * * * * * * * *	
ļ. -	-	-		; ; ; ,				; r= !	i	 		장	; ;æ	į			1 32 102 TOP	Diameter of hole			FILING		OOAK		, j. *
	ļ	- -			- <u>-</u> -		: 		• .] 	•	RESISTIVITY	W. Boc				1907 6.4 19070 6.4 19070 6.4	from Erz	tri Swie	;	Ċ.		7 78	ŭ	000
							• • • •	. !-	i 			אדע רכ	chon.	:		1 4	20 27 d 2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	\$ 25 \$ 25	11.00 mm	•			16.7		υ,
			-						· · · · · · ·			LOG-okm.		1	•	:	POST PORT OF THE POST POST POST POST POST POST POST POST	T-022		801		3931 ¥ 943	Parago Riserie	.13	· · · ·
1		1				i						#. m. m.						i i i	*55343				2.1		

-			
	1		
		-	
	-::[-	-	-
	\top		

of materiand of of sediment.

U. S. LAND OFFICE.
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT
Lease about ad for.

UNITED STATES

DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

				_							
					L	OG	OF (DIL OR (gas 1	WEL	
	TE WELL						•				
Compan	aySohe	orrerb	orn-W	inton C	0.		Addre	ss 312 Kennoä	z 31/10.		سيمطللككس
								. Physo ri			
Well N	o _	So	ec. <u>18</u>	т. 18	R.31.	_ Meri	المألف dian	Cor	untyid	Ç	
The	e informa	ition gi	ven he	Line and erewith is com all av	a com	plete :	and corred ds.	ine of Section et record of the v	well and al	il work c	ione therec
		,				• ?	Signe	ritle			
The	e summai	ry on tl	nis pag	ge is for t	he conc	lition	of the wel	l at above date.			
Comme	nced dril	ling		Feb. 5.		194 0	Finish	ed drilling	March 2	3	يم 19 ,
		*** **********************************				(Deno	ote gas by G)				
								, from			
								, from			
No. 3, f	rom							, from	t	0	,
No 1 d	from			; <u>x</u>	MPOR	TAN	WATER No. 3	R SANDS , from	Ì	0	
-								, from			
410, 2, 1	1011						G RECO				
Sizo	Weight -	Thread	s per ,	\ Ofalse\"				 	Perlo	rated	Purpose
casing		- ine			ļ			Cut and pulled from	-	То	1 1117030
0-5/8/L	24 312/01 3	or prings	3 VICTO	Lille.	700) t_on} ::o	io estacioni	Hannan noan' banan	- Conniero		l-Uurilaco Laten Draw
	435	eit in the	ricond e voli, g			Constant Constant	មួយរ៉ូខែសិក,រ៉ូន នេះសេស្រាស់នេះ	amedala <mark>te de e</mark> ste te lie ja dyngalikol morania torangenti	7 3 3 4 3	hat Signey . Sangapan	
		hiere inte	ringa	in luarni	יי איר איר מרדיר היי לעינה היי	عرقة والمرابعة	لنناه فالمسائل والمرافية		ەلىلىلىنىنىنىنىنىنىدۇك.		
	1 12 62 15M										1.2
				MUDI	DING A	AND	CEMENT	ING RECORD			
Size	Where se	et	Numbe	r sacks of cer	ment	M	ethod used	Mud gravity	Au	nount of m	ud used
-5/C	900			59		1643-14	durton-				~~~~~~
<u>:</u> <u>ـــُـــُوْ</u>	-978			20							***************************************
						-					
	,		•				ND ADAP				
Heavin	g plug—i	Materia	1			l_er	ngth		Depth set	,	
Adapte	rs-Mate	rial									
							RECOR				
Size	Shell u			plosive used		Quantit		Depth shot 0 3540-55	_	pth cleaned	
			<u>`</u>	nil G	المراد المستعدد	m.qt Mgqt	21.4 m3m44	3045-75	3,56	5	
	-,									*****	
			14 g.				USED				
-					•			t, and from			
	s were us	sed fron	n	۵	feet to	ر پرځـ. ه	714 fee	t, and from	fee	t to	feet
ible tool						y~ 4 *	rec				
ible tool				., 19	• .:	DA"		producingA;	nydi ni		1620

No. 3, from	m									
37 4					ANT WA					
•							from			
No. 2, from	m		to		N	o. 4, f	from	t	0	
				CA	SING RE	CORI) 			
Size W casing pe	eight -	Threads per ()	Make V	Amoun	t Kind of s	ooit	Cut and pulled from	Perion From	To	Purpose
8-5/8 3	24	8	Liu.	700						ilian flact
	Izeria biz	prindra mais,	putal as re	230977	وعوو ميون أنده	عد است	onest to sai is core Julius Chaar (La Core Bragnigh (Borena) Luctus to to core	بالترتية بالتراثي	- بولايتين	
		ha warti cad Ta faa wati c	विश्व ति । स्ट र्मुस्स	626			अस्य प्रस्ति क्षेत्र क्षेत्र क्षेत्र स्थापता । स्थापनी स्थापनी			
							IG RECORD	·	<u> </u>	·
Size 1	Where set	Numbe	er sacks of co	ment	Method u	sed '	Mud gravity	Au	nount of m	ud used
7.5/0	76.3		50	17	147.2.4.200 oaks	93		-		·
51 2-9	78		66.1		elliourte	511				
				· 						
										
					S AND AI					
Adapters-	Matcria	ul			Size					
•					ING REC					
Size	Shell used	Ex	plosive used	Q	uantity	Date	Depth shot	Der	p th c leuned	out
			77 0	100	n = 2 7	\$ZO	3540-65	-	 .	 -
					ota 4=3		3046-75	3.569	5	
able tools w	ere used	from	, 19 24 hour	feet to	J.712 DATES	feet,	and fromAnd fromAnd fromAnd foliated of which Gravity. °I	ril 22, 100%	t to was oil;	0. %
The production; .O. If gas we Rock pre	luction i % wa ell, cu. ft	fromor the first ter; and .0.	0 , 19 , 24 hour , % sedi	s was .4. iment.	DATES Put 5 bar	feet, to present to pr	and fromAndroducingAndroducing	ril 32, 100 % 36 ft. of gas bols.	was oil;	feet , 1940
The production; .O. If gas we Rock pro	luction i % wa % wa ft	fromor the first ter; and .0 per 24 hors. per sq. in	0, 19	s was .4. iment. EMPI	DATES Put 5 bar Gallons 2nd 24 h	feet, to present to pr	and fromAn roducingAn fluid of which Gravity, °I ne per 1,000 cu produced 15	ril 32, 100 % 36	was oil;	feet ., 1940
The production; O. If gas we Rock pro	luction i % wa % wa ft	from for the first ter; and _0. per 24 ho s. per sq. in	0, 19	s was .4. iment. EMPI ller	DATES Put 5 bar Gallons 2nd 24 h	feet, to present to pr	and fromAn roducingAn fluid of which Gravity, °I no per 1,000 cu produced 15	ril 22. 100 % 36	was oil;	feet ., 1940
The production; .O. If gas we Rock pro	luction i % wa % wa ft	from for the first ter; and .0 per 24 ho	0, 19	s was .4. iment. EMPI	DATES Put 5 bar Gallons 2nd 24 h	feet, to present to pr	and fromAn roducingAn fluid of which Gravity, °I ne per 1,000 cu produced 15	ril 22. 100 % 36	was oil;	feet ., 1940
The production; O. If gas we Rock pro	luction i % wa % wa ft	from for the first ter; and _0 . per 24 ho s. per sq. in	0, 19	s was .4. iment. EMPI ller	DATES Put 5 bar Gallons 2nd 24 h	feet, to prove to prove to prove to prove the provent to prove the prove	and fromAnd roducingAnd fluid of which Gravity, "I no per 1,000 cu produced 15	ril 22. 100 % 36	was oil;	feetfeet
The production; O. If gas we Rock pro	luction i % wa % wa ft	from for the first ter; and _0. per 24 ho s. per sq. in	0, 19	s was .4. iment. EMPI ller	DATES Put 5 bar Gallons 2nd 24 h LOYEES	feet, to prove to pro	and fromAnd roducingAnd fluid of which Gravity, "I no per 1,000 cu produced 15	ril 22, 100 % 36	was oil;	feetfeet
The production; On the gas we Rock program Thil We From	luction i % wa % wa ft	fromor the first ter; and _0 per 24 ho s. per sq. in	, 19	s was .4 iment. EMPI ller FORMA	DATES Put 5 bar Gallons 2nd 24 h LOYEES TION RES	to prove to	and fromAndAnd fluid of which Gravity, "I me per 1,000 cu produced 15	ril 22, 100 % 36	was oil;	feetfeet
The production; O. If gas we Rock pro Thil We FROM	luction i % wa % wa ft	from for the first ter; and _0 per 24 ho .s. per sq. in	, 19	s was .4 iment. EMPI ller FORMA	DATES Put 5 bar Gallons 2nd 24 h LOYEES TION RES	to prove to prove to prove to prove to prove to prove the prove the provent to pro	and fromAnd roducingAnd fluid of which Gravity, "I no per 1,000 cu produced 15	ril 22, 100 % 36	was oil;	feetfeet
The production; On the production; On the production of the produc	luction i % wa % wa ft	from from for the first ter; and _0 . per 24 ho .s. per sq. in for	, 19	s was .4 iment. EMPI ller FORMA	DATES Put 5 bar Gallons 2nd 24 h LOYEES TION RES	to prove to	and fromAnd reducingAnd fluid of which Gravity, "I me per 1,000 cu produced 15	ril 22, 100 % 36	was oil;	feetfeet
The production; O. If gas we Rock pro Thil We FROM	luction if % was all, cu. ft consolly	from from for the first ter; and _0 . per 24 ho .s. per sq. in for	, 19	s was . A iment. EMPI EMPI EILER FORMA L FEET	DATES Put 5 barr Gallons 2nd 24 h LOYEES TION REG	correct for the property of th	and fromAnd roducingAnd fluid of which Gravity, "I no per 1,000 cu produced 15	ril 22, 100 % 36	was oil;	feet ., 1940
The production; O. If gas we Rock pro T.H. Dr. Thil Wr. FROM 0 50 50 200 250 455 605	luction if % was all, cu. ft consolly	from	, 19	s was . A iment. EMPI EMPI EILER FORMA L FEET	DATES Put 5 bar Gallons 2nd 24 h LOYEES TION RES	correction of the property of	and fromAnd roducingAnd fluid of which Gravity, "I me per 1,000 cu produced 15	ril 22, 100 % 36	was oil;	feetfeet
The production; On the production; On the production of the produc	luction if % was all, cu. ft consolly	from	, 19	s was . A iment. EMPI EMPI EILER FORMA L FEET	DATES Put 5 barr Gallons 2nd 24 h LOYEES TION RES	to prove to prove to prove to prove to prove the constant of t	and fromAnd roducingAnd fluid of which Gravity, "I me per 1,000 cu produced 15 FORMATION findy whale. d	ril 22. 100. % 36	was oil;	feetfeet
The production; On If gas we Rock pro Thil We FROM O 50 90 130 200 250 455 656 650 665	luction if % was all, cu. ft consolly	from	, 19	s was . A iment. EMPI EMPI EILER FORMA L FEET	DATES Put 5 barr Gallons 2nd 24 h LOYEES TION RES RO	to prove to prove to prove to prove to prove to prove the prove the prove the provent to prove the provet	and fromAnd roducingAnd fluid of which Gravity, "I me per 1,000 cu produced 15	ril 22, 100 % 36	was oil;	feet ., 1940
The production; On the production; On the production; On the production of the produ	luction if % was all, cu. ft consolly	from	, 19	s was . A iment. EMPI EMPI EILER FORMA L FEET	DATES Put 5 barr Gallons 2nd 24 h LOYEES TION RES	corrections of the correction	and fromAnd roducingAnd fluid of which Gravity, "I no per 1,000 cu produced 15	ril 22. 100. % 36	was oil;	feet ., 1940
The production; O. If gas we Rock pro T.H. Dr. Thil We FROM O 50 50 200 250 455 605 655 670 655 700	luction if was all, cu. ft essure, lb	from	, 19	s was . A iment. EMPI EMPI EILER FORMA L FEET	DATES Put 5 barr Gallons 2nd 24 h LOYEES TION RES Re	to prove to prove to prove to prove to prove the provent of the pr	and fromAnd roducingAnd fluid of which Gravity, "I no per 1,000 cu produced 15	ril 22. 100. % 36	was oil;	feet ., 1940
The production; On If gas we Rock pro This Dr. From Phil We From 50 50 50 50 250 455 655 670 655 700 710	luction if was all, cu. ft essure, lb	from	, 19	s was . A iment. EMPI EMPI EILER FORMA L FEET	DATES Put 5 barr Gallons 2nd 24 h LOYEES TION RES RO	corrections of the corrections o	and fromAnd roducingAnd fluid of which Gravity, "I me per 1,000 cu produced 15	feed ril 22 100 % 36	was oil;	feet ., 1940
The production; On the production; On the production; On the production of the produ	luction if was all, cu. ft essure, lb	from	, 19	s was . A iment. EMPI EMPI EILER FORMA L FEET	DATES Put 5 barr Gallons 2nd 24 h LOYEES TION RES RO	corresponding to the property of the property	and fromAnd roducingAnd fluid of which Gravity, "I no per 1,000 cu produced 15	feed ril 22 100 % 36	was oil;	feet ., 1940
The production; On If gas we Rock pro This Dr. From Phil We From 50 50 50 50 250 455 655 670 655 700 710	luction if % was all, cu. ft essure, lb	from	, 19	s was . A iment. EMPI EMPI EILER FORMA L FEET	DATES Put 5 barr Gallons 2nd 24 h LOYEES TION RES RO	corrections of the correction	and fromAnd roducingAnd fluid of which Gravity, "I no per 1,000 cu produced 15 Formation of the character	feed ril 22 100 % 36	was oil;	feet ., 1940
The production; O. If gas we Rock pre This Day 120 200 250 455 605 670 655 700 710 135 120 150 150 150 150 150 150 150 150 150 15	luction if % washing the same of the sa	from	, 19	s was . A iment. EMPI EMPI EILER FORMA L FEET	DATES Put 5 barr Gallons 2nd 24 h LOYEES TION RES RO	corrections of the property of	and fromAnd roducingAnd fluid of which Gravity, "I no per 1,000 cu produced 15 FORMATO	feed ril 22 100 % 36	was oil;	feet ., 1940
The production; O. If gas we Rock pre This Day 130 200 250 455 655 670 655 700 710 1.135 1.150	luction if % washin, cu. ft essure, lb character	from	, 19	s was .4 iment. EMPI Iller FORMA L FEET	DATES Put 5 barr Gallons (2nd 24 h LOYEES TION RES Re	corrections of the property of	and fromAnd roducingAnd fluid of which Gravity, "I no per 1,000 cu produced 15 Formation of the character	feed ril 22 100 % 36	was oil;	feet ., 1940
The production; O. If gas we Rock pro Thil We FROM O 50 90 130 200 250 455 605 650 655 670 655 700 710 135 1,170 1,520	luction if % was all, cu. ft essure, lb	from for the first ter; and .0. per 24 ho s. per sq. in 50 90 130 200 250 455 605 670 605 670 605 670 605 670 605 670 605 670 605 670 605 670 695 700 710 520 520 520 520 520 520 520 520 520 52	, 19	s was . A iment. EMPI EMPI EILER FORMA L FEET	DATES Put 5 barr Gallons 2nd 24 h LOYEES TION RES Re	to provide to provide the control of	and fromAnd foliation of fluid of which Gravity, I me per 1,000 cu produced 15	feed ril 22 100 % 36	was oil;	feetfeet
The production; O. If gas we Rock pre Phil We FROM O 50 200 250 455 655 670 655 700 710 1,170	luction if % was all, cu. ft essure, lb conactly alkor	from	, 19	s was .4 iment. EMPI Iller FORMA L FEET	DATES Put 5 barr Gallons (2nd 24 h LOYEES TION RES RO	correction of the property of	and fromAnd foliation of the content of the	feed ril 22 100 % 36	was oil;	feet ., 1940
The production; O. If gas we Rock pre Thil We Phil We	luction if % was all, cu. ft essure, ll	ro 50 90 130 200 250 455 630 605 670 695 700 135 190 135 135 135 135 135 135 135 135 135 135	, 19	s was .4 iment. EMPI Iller FORMA L FEET	DATES Put Subarr Gallons And 24 h LOYEES TION RES Rec Rec Rec Rec Rec Rec Rec Re	correction of the property of	and fromAnd foliation of the content of the	feed ril 22 100 % 36	was oil;	feet ., 1940
The production; O. If gas we Rock pre Phil We FROM O 50 200 250 455 655 670 655 700 710 1,170	luction if % washing the same, like and like	ro 50 130 200 250 455 605 630 605 630 605 630 605 630 605 630 605 630 630 630 630 630 630 630 630 630 630	, 19	s was .4 iment. EMPI Iller FORMA L FEET	DATES Put Subarr Gallons And 24 h LOYEES TION RES Rec Rec Rec Rec Rec Rec Rec Re	correction of the property of	and fromAnd foliation of the content of the	feed ril 22 100 % 36	was oil;	feet ., 1940

---(over)---

Weilifdrilled to 3,714- pluggodabacket o 7,565 er and bound grown

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the recisions for the work and its results. If there were any changes made in the easing, state fully, and it my continuous "sidestacked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of whots. If plugs or bridges were put in to test for water, state hind of material used, position, and results of pumping or balling.

13,245)[
See For the form of the form o) <u>L</u> C
FROM TO TOTAL FEET FORMATION	
FORMATION RECORD	., Driller
	יייוויייעני
EMPLOYEES Driller Driller	Driller
Mook pressure, Ibs. per sq. in.	
If gas well, cu. ft. per 24 hours Gallons gasoline per 1,000 cu. ft. of gas	*
emulsion; 2 % water; and 2 % sediment. Gravity, B6.	
	\G
The production for the first 24 hours was the barrels of fluid of which the 70 was oil:	
Put to producing	4 (1)
Cable tools we e used fromfeet tofeet, and fromfeet to	100t
Motary tools were used from feet to feet to	
LOOFS DEED	
The state of the s	
Size pael used Exposive used On aftr Date Deptu shot Defen channel of	oue .
Achpine Marchial SHOOTING RECORD Control	
Heaving plug Material Bepth set Bepth set	
YEUGS AID ADAPTERS AND ADAPTERS	

	······
casery; Where set Number sucks of coment. A haland used . Mind granty . Amount of rand n	74Q
PROPERTY DESCRIPTION OF THE PROPERTY DESCRIPTION OF THE PROPERTY DESCRIPTION OF THE PROPERTY O	element of the
COTEMPIST PROTON GIPE	0-6745
HISTORY OF OIL OR GAS WELL	

PORMATION

TOTAL FELL

RAY SMITH DRLG COMPANY SHUGART-18 QUEEN UNIT EDDY LOUNTY, NEW MEXICO. DIAGRAM OF UNIT WELL #6 PACKER @ 2940' 100 SACKS 3050 PUEEN SAUD 3095

SFOCC Jim Kapteina

Xerox Gry to This

Nerox of this

This

This

This

The properties the service of the service of

RAY SMITH DRILLING COMPANY

3300 REPUBLIC BANK BUILDING
DALLAS, TEXAS 75201

June 16, 1967

OIL OPERATIONS FOR: RAY SMITH-OIL PRODUCER
RAY SMITH DRILLING CO.
RAY SMITH TRUST
CHEMICAL EXPRESS, INC.
CEMENT TRANSPORTS, INC.

RECEIVED

New Mexico Oil Conservation Commission P. O. Box 871 Santa Fe, New Mexico

111 P 1 1957

Gentlemen:

D. C. C.

MAIN OFFICE ONG

Your Order No. R-3112 Shugart 18-Queen Unit Eddy County, New Mexico

767 Jun 19 AH 8 23

We submit the following information for your consideration, and we requestion your approval for conversion of Well #6 on subject Unit from a producing status to one of injection.

Rule 701-E

· 5. Your Order No. R-3112 originally authorized this waterflood project.

Our reason for this converstion is that the well experienced premature water breakthrough and, after extensive testing, it was decided to convert it to injection status. It was producing 100% water.

The well has 5-1/2" casing and had been producing from open-hole. Rods and tubing were pulled, well cleaned out and a cement plug (10' of pea gravel and 13' of hydromite) was placed directly under the producing formation at a depth of 3,229' to facilite injection into the producing zone. Then we re-ran the 2-3/8" tubing on a packer which was set at a depth of 2,940' and well placed on injection service April 1, 1967.

Other pertinent data is shown below in complying with Section B of this regulation.

Rule 701-B

- 1. Attached is a plat showing the location of subject well and its relationship to the other wells in this Unit. The formation involved is the Queen Sand. See Exhibit "A" attached.
- 2. See Exhibit "B" attached.

MAIN OFFICE JUICE.

3. See Exhibit "C" attached.

%7 Jun 22 PM 1 21

water is the fluid to be injected; anticipated volume is 4,400 bbls per month and average injection pressure is 1,600#; the source of water -- purchased from the Double Eagle Corporation of New Mexico.

27 Jun 21 188 5 22

Ray Smith Drilling Company 3300 Republic Bank Euilding Dallas, Texas 75201

Gentlemen:

Receipt of a copy of your application to the New Mexico Oil Conservation Commission which seeks authority to convert well #6 in your Shugart 18-Queen Unit, Eddy County, New Mexico to water injection service is gratefully acknowledged.

FEI/ma
cc-Oil Conservation Comm.

Yours truly,

S. E. Reynolds State Engineer

Bys

Frank E. Irby Chief Water Rights Div.