Case. Number. 112135

Application, Transcripts

5m all Exhibts.

ETC.

209 SIMMS BLDG. - 3.0. BOX 1092 . PHONE 243-6691 . ALBUQUERQUE, NEW MEXICO

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
September 30, 1970

EXAMINER HEARING

IN THE MATTER OF:

Application of Blackrock Oil)
Company for a dual completion)
and salt water disposal, Lea)
County, New Mexico.

Case No. 4435

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING



INDEX

Page

O. DOYLE BUTLER
Testimony by the Witness

. **3**

EXHIBITS

Offered and

Admitted

Applicant's Exhibits Nos. 1 thru 6

Marked

We will call the next Case, No. 4435. MR. NUTTER: MR. HATCH: Case No. 4435. Application of Blackrock Oil Company for a dual completion and salt water disposal, Lea County, New Mexico.

(Witness sworn.)

O. DCYLE BUTLER

called as a witness, having been first duly sworn, was examined and testified as follows:

THE WITNESS: I am O. Doyle Butler, Midland, Texas, President of Blackrock Oil Company. I have 6 Exhibits to tender.

(Whereupon, Applicant's Exhibits Nos. 1 thru 6, were marked for identification.)

THE WITNESS: The Exhibits submitted with this Application are: No. 1, C-107 Application for Multiple Completion. No. 2, Revised C-108, Application for Disposal of Salt Water. No. 3, Diagrammatic Sketch of Dual Completion. No. 4, Area plat. No. 5, Diagrammatic Sketch of Salt Water Injection Equipment. No. 6, Electric Log of Interval.

With regard to this Application, a maximum operating pressure of 1900 P.S.I. was determined based on the down-hole equipment. This is a correction to the pressure noted on the original C-108 that was submitted. This pressure was calculated as follows: Since no temperature

survey was run on this well, the data from the east offset PAGE 4 In the east offset, $4\frac{1}{2}$ inch casing was set at 9905 feet in a 7 and 7/8 inch hole and cemented with 375 sacks of in-core 50-50 pause, 2 percent gell. A temperature survey indicated the top was cemented 8100 feet. This was 1805 feet of fill or 4.8 feet per sack of cement.

The subject well, Mobil-Atlantic Federal No. 1 set $4\frac{1}{2}$ inch casing at 9905 feet in a 7 and 7/8 inch hole and was cemented with 220 sacks of 50-50 pause, 2 percent gell. Using the 4.8 feet per sack fill value, this would be 1056 feet of fill or a cement top of 8849 feet. is also a correction to the calculated value noted on the original Form C-108 that was submitted.

During the primary cementing on this well, approximately 100 barrels of fresh water was pumped ahead of the cement for well-bore filter cake removal. Assuming that the disposed water will be injected into the zone at 4980 feet, the external hydrostatic pressure on the $4\frac{1}{2}$ inch casing at the top of the cement would consist of zero to 4980 feet, pressure exerted by Pennsylvanian Formation water, and from 4980 to 8849 feet, fresh water that was pumped ahead of this cement. This is 4980 times .34, times 1.075, specific gravity, Pennsylvanian water equals 2323 P.S.I. plus 8849 feet, minus 4980 feet times

434 is equal to 1679 P.S.I. This total is 4002 P.S.I.

The external flap is a $4\frac{1}{2}$ inch 11-6 N-80 Casing at 5930 P.S.I. resulting in the maximum operating pressure of 1900 P.S.I. This, of course, assumes the casing is completely dry internally.

A second precautionary measure, if you will refer to Exhibit 5, is a pressure release return line. This line is to be used anytime the well is being worked on while the packer is unseated. The return line is open which allows the well to back-flow into the salt water receiving tank.

On August 26, 1970, with the permission of the New Mexico Oil Conservation Commission District Supervisor, injection tests were run by the $4\frac{1}{2}$ inch by 8 and 5/8 inch casing annulus. The initial rate was 2.5barrels per minute or 3600 barrels per day at 1600 P.S.I. 500 gallons of non-emulsion acid was pumped and the rate after acidizing was 2.8 barrels per minute or 4032 barrels per day at 1200 P.S.I.

Apparently the Mobil-Atlantic Federal No. 1 produces 200 barrels of oil and 40 barrels of water daily. And the Mobil-Atlantic Federal No. 2 produces 400 barrels of oil and 20 barrels of water daily. Therefore, our daily injection of salt water is estimated to be 60 barrels

243-6691 . ALBUQUERQUE, NEW MEXICO 87101 256-1294 . ALBUQUERQUE, NEW MEXICO 87108 K 1092 • PHONE 2 of water per day. At this rate, the injection pressure should remain below 1200 P.S.I.

Also, a closed system will be utilized for injection and, in addition, an inhibitor will also be injected with the salt water.

It should be noted that there is a San Andres Salt Water Disposal Well located in Unit "I" Section 10, Township 9 South, Range 36 East. This well has a surface injection pressure of between 2200 and 2400 P.S.I., however, this well is injecting salt water into an open-hole section that is only 300 feet below the 8 and 5/8 inch casing shoe, and it is probably not injecting into this zone noted on our log between 4960 to 5000 feet which is approximately 800 feet below the 8 and 5/8 inch casing shoe.

The anticipated zone of injection is the Lower San Andres as noted on the log from 4960 to 5000 which has 100 percent water saturation in a very high porosity.

In conclusion, it is believed a disposal as outlined will be safe and will not in any way endanger or interfere with production from the subject or surrounding wells.

MR. NUTTER: What did you say the production is, Mr. Butler, on that No. 1 well?

THE WITNESS: The No. 1 is producing 200 barrels of oil and 40 barrels of water.

MR. NUTTER: And the other one is making 400 barrels of oil and 20 of water?

THE WITNESS: Right. The other one is still flowing. The No. 1 well went on pump last month.

MR. NUTTER: What formations have any porosity that would be open here?

THE WITNESS: The only possibility would be the Abo and we drill-stem tested this in the well to the east, and I don't think it would be open because it is about 9000 feet and I believe our cement would cover it.

MR. NUTTER: What would be exposed here in this open-hole interval from 453 to 9205? We must put something in the Order, see, because they are exposed and they could take water.

THE WITNESS: San Andres, Glorieta, Clear Fork. I believe that would be -- well, your Wolfcamp -- you are getting right down close to the Abo now, but the Abo is covered with cement. We also drill-stem tested the Abo in the east well and got no recovery whatsoever.

MR. NUTTER: So the only thing would be the San Andres and the Glorieta?

THE WITNESS: Yes, I am relatively sure.

PECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS,

```
MR. NUTTER: And that is where the water will go?
```

THE WITNESS: Right.

MR. NUTTER: Are there any other questions of this witness?

He may be excused.

(Witness dismissed.)

MR. NUTTER: Do you have anything further,

Mr. Butler?

THE WITNESS: No, sir.

MR. NUTTER: Does anyone have anything they

wish to offer in Case No. 4435?

We will take the case under advisement.

MR. NUTTER: Do you want to offer your Exhibits?

THE WITNESS: Yes.

MR. NUTTER: Applicant's Exhibits Nos. 1 through

6 will be admitted in evidence.

(Whereupon, Applicant's Exhibits Nos. 1 thru 6 were offered and admitted in evidence.)

MR. NUTTER: We will take the case under

advisement.

The Hearing is adjourned.

(Whereupon, the Hearing was adjourned at

approximately 5:31 F.M.)

STATE OF NEW MEXICO) COUNTY OF SANTA FE

I, RICHARD L. NYE, Court Reporter, do hereby certify that the foregoing and attached Transcript of Hearing/ before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

My commission expires April 8, 1971.

I do hereby certify that the foregoing is a complete record of the proceedings in the Paracipar bearing

New Mexico Oil Convervation Commission

1120 SIMMS BLDG. • P.O. BOX 1092 • PHONE 243-6611 • ALBUQUERQUE, NEW MEXICO 87101 1400 FIRST NATIONAL BANK EAST • PHONE 256-1294 • ALBUQUERQUE, NEW MEXICO 87108

Blackrock Gil Company

1000 V & J TOWER - MIDLAND, TEXAS 79701 - 915 683-5691

April 22, 1971

O. DOYLE BUTLER

President

PEGGY L. HOLDEN
Office Manager

: 33

TH APR

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Case No. 4435 Order No. R-4039

Gentlemen:

In accordance with provision of Order No. R-4039, the attached corrosive return report is submitted.

Yours very truly,

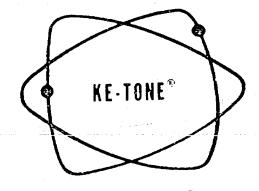
BLACKROCK OIL COMPANY

. Doyle Butler

ODB:jh

Attachment

TELÉPHONE: HOBBS 393-7751



UNITED CHEMICAL CORPORATION

OF NEW MEXICO

601 NORTH LEECH

P. Q. BOX 1499

HOBBS, NEW MEXICO 88240

April 20, 1971

Blackrock Oil Company V & J Tower Midland, Texas 79701

Attention: Mr. Doyle Butler

Dear Mr. Butler:

A coupon was removed from the Mobil Atlantic Federal #1 on April 8, 1971. The corrosion rate on this coupon was 0.001 MPY. The coupon had been exposed for 112 days.

The corrosion coupon indicates excellent corrosion protection in this system. The coupon is enclosed for your inspection.

Yours very truly,

UNITED CHEMICAL CORP. of N.M.

Wayne Roberts

Manager of Technical Services

WR/1t

cc: Mr. Alvin Watson

unnunununununun Makes Water Work unununununununun



OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87801 GOVERNOR
DAVID F. CARGO
CHAIRMAN

LAND COMMISSIONER ALEX J. ARMIJO MEMBER

STATE GEOLOGIST

A. L. PORTER, JR.
SECRETARY - DIRECTOR

October 6, 1970

Mr. Doyle Butler, President	Re:	Case No.	4435
Blackrock Oil Company		Order No	R-4039
1000 V & J Tower Midland, Texas 79701		Applicant:	*
idiand, Texas /5/01		Blackrock (Oil Company

Dear Sir:

Enclosed herewith are two copies of the above-referenced Commission order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

ALP/ir		
Copy of c	order also sent to:	
Hobbs OCC	<u> </u>	
Artesia C	occ	
Aztec OCC	<u>:</u>	
Other	State Engineer Office	- A

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

> CASE No. 4435 Order No. R-4039

APPLICATION OF BLACKROCK OIL COMPANY FOR A DUAL COMPLETION AND SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on September 30, 1970, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 6th day of October, 1970, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Blackrock Oil Company, seeks authority to complete its Mobil Atlantic Well No. 1, located in Unit D of Section 10, Township 9 South, Range 36 East, NMPM, Lea County, New Mexico, as a dual completion to produce oil from the Allison-Pennsylvanian Pool through 2 3/8-inch tubing and to dispose of produced salt water down the annulus between the 8 5/8-inch intermediate casing string and the 4 1/2-inch production casing string into the San Andres formation in the open-hole interval from 4300 feet to 5045 feet and possibly other formations between the 8 5/8-inch casing shoe at 4153 feet and the top of the cement at 9205 feet.
- (3) That the produced salt water should be continuously treated prior to injection to prevent casing corrosion and that coupon corrosion tests should be conducted continuously on said well and the results thereof filed quarterly with the Commission until further notice from the Secretary-Director of the Commission

-2.. CASE No. 4435 Order No. R-4039

(4) That approval of the dual completion and salt water disposal as set out above will prevent the drilling of unnecessary wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Blackrock Oil Company, is hereby authorized to complete its Mobil Atlantic Well No. 1, located in Unit D of Section 10, Township 9 South, Range 36 East, NMPM, Lea County, New Mexico, as a dual completion to produce oil from the Allison-Pennsylvanian Pool through 2 3/8-inch tubing and to dispose of produced salt water down the annulus between the 8 5/8-inch intermediate casing string and the 4 1/2-inch production casing string into the San Andres formation in the open-hole interval from 4300 feet to 5045 feet and possibly other formations between the 8 5/8-inch casing shoe at 4153 feet and the top of the cement at 9205 feet;

PROVIDED HOWEVER, that the produced salt water shall be continuously treated prior to injection and coupon corresion tests shall be conducted continuously on said well and the results thereof filed quarterly with the Commission until further notice from the Secretary-Director of the Commission;

PROVIDED FURTHER, that the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Assistant, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSTRUCTION COMMISSION

DAVID F. CARGO, Charrman

ALEX J. ARMIJO Member

A. L. PURTER, Jr., Member & Secretary

Docket No. 22-70

DOCKET: EXAMINER HEARING - WEDNESDAY - SEPTEMBER 30, 1970

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM, STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO

The following cases will be heard before Elvis A. Utz, Examiner, or Daniel S. Nutter, Alternate Examiner:

CASE 4416: (Continued from the September 16, 1970, Examiner Hearing)

Application of Robert L. Parker Trust for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a cooperative waterflood project in the Langlie Mattix Pool on its George L. Erwin Lease by the injection of water through its Erwin Well No. 2 located in Unit L of Section 35, Township 24 South, Range 37 East, Lea County, New Mexico.

CASE 4422: (Continued from the September 2, 1970, Examiner Hearing)

Application of Atlantic Richfield Company for amendment of Order No. R-3588, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-3588, which order authorized the disposal of produced salt water into the Yates and Seven Rivers formation in the perforated and open-hole interval from 3110 feet to 3300 feet in the Sinclair ARC Federal Well No. 1 located in Unit O of Section 9, Township 20 South, Range 33 East, West Teas Pool, Lea County, New Mexico. Applicant now seeks authority to dispose into said zones in the interval from 3010 feet to 3300 feet.

CASE 4222: (Réopened)

In the matter of Case 4222 being reopened pursuant to the provisions of Order No. R-3850, which order established 80-acre spacing units for the West Sawyer-San Andres Pool, Lea County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 40-acre spacing units and present evidence as to whether or not the subject pool is in fact an associated reservoir.

- CASE 4429: Application of Union Texas Petroleum Corporation for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Langlie-Jal Unit Area comprising 3,748 acres, more or less, of federal, state, and fee lands in Townships 24 and 25 South, Range 37 East, Langlie-Mattix Pool, Lea County, New Mexico.
- CASE 4430: Application of Union Texas Petroleum Corporation of a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in its Langlie-Jal Unit by the injection of water into the Seven Rivers and Queen formations through 46 wells in Townships 24 and 25 South, Range 37 East, Langlie-Mattix Pool, Lea County, New Mexico.

Examiner Hearing - September 30, 1970

Docket No. 22-70

(Reopened)

In the matter of Case 4173 being reopened pursuant to the provisions of Order No. R-3811-A, which order extended 80-acre spacing units and a limiting gas-oil ratio of 4000 cubic feet of gas per barrel of oil for the Hobbs-Drinkard Pool, Lea County, New Mexico, for a period of 90 days. All interested parties may appear and show cause why said pool should not be developed on 40-acre spacing, why the limiting gas-oil ratio should not revert to 2000 to one, and/or why all casing-

head gas produced by wells in the pool should not be reinjected.

CASE 4420: (Continued and Readvertised)

Application of Xplor Company for the creation of a new gas pool and special rules therefor, a dual completion, and authority to commingle, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new Pennsylvanian gas pool for its Cleveland Well No. 1 located in Unit G of Section 23, Township 12 South, Range 32 East, Lea County, New Mexico, and for the promulgation of special rules therefor, including a provision for 160-acre spacing units. In the alternative, applicant seeks approval of a nor standard 160-acre gas proration unit comprising the NE/4 of said Space ion 23 to be dedicated to said well. Applicant also seeks authority dually complete said well in such a manner as to produce oil from the East Caprock-Devonian Pool and gas from said Pennsylvanian formation and to commingle on the surface the liquids from said zones.

- CASE 4431: Application of William A. and Edward R. Hudson for unorthodox well locations and a dual completion, Lea County, New Mexico. Applicants, in the above-styled cause, seek authority to drill a well at an unorthodox location (off pattern) 660 feet from the South line and 1980 feet from the West line of Section 15, Township 17 South, Range 32 East, Lea County, New Mexico, for the production of oil from the Baish-Wolfcamp and Maljamar-Abo Pools and to dually complete said well in the subject pools.
- CASE 4432: Application of MWJ production Company for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the rules governing the Baum-Upper Pennsylvanian Pool to permit the drilling of an oil well at an unorthodox location 2310 feet from the South line and 990 feet from the West line of Section 5, Township 14 South, Range 33 East, Lea County, New Mexico.
- <u>CASE 4433</u>: In the matter of the hearing called by the Oil Conservation Commission upon its own motion to permit Allied Chemical Corporation to appear and show cause why said corporation should be permitted to institute its proposed waterflood project in its Milnesand (San Andres) Unit Area, Milnesand-San Andres Pool, Roosevelt County, New Mexico, by the injection of fresh water; said corporation testified in the hearing that authorized said waterflood project that produced salt water be used for waterflooding purposes.

CASE 4423: (Continued from the September 2, 1970, Examiner Hearing)

Application of Union Oil Company of California for compulsory pooling, Roosevelt Courty, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests down to and including the San Andres formation underlying the N/2 NE/4 of Section 20, Township 8 South, Range 38 East, Bluitt-San Andres Associated Pool, Roosevelt County, New Mexico. Said acreage to be dedicated to a well to be drilled at an orthodox location in the NW/4 NE/4 of said Section 20. Also to be considered will be the cost of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well.

CASE 4434:

Application of Union Oil Company of California for the creation of a new gas pool and special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new gas pool for its Pipeline Federal Well No. 1 located in Section 4, Township 19 South, Range 34 East, Lea County, New Mexico. Applicant further seeks the promulgation of special rules therefor, including a provision for 640-acre spacing and proration units and fixed well location requirements.

CASE 4435:

Application of Blackrock Oil Company for a dual completion and salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete its Mobil Atlantic Well No. 1 located in Unit D of Section 10, Township 9 South, Range 36 East, Lea County, New Mexico, in such a manner as to produce oil from the Pennsylvanian formation through tubing and to dispose of produced salt water into the San Andres formation from 4300 feet to 5045 feet and possibly other formations between the 8 5/8-inch casing shoe at 4153 feet and the top of the cement at 9205.

70 SEP 25 AH 8 27

OIL CONSERVATION COMMISSION

OIL CONSERVATION COMMISSION BOX 871	DAT	TE <u>Sept. 22, 1970</u>
SANTA FE, NEW MEXICO	Re	Proposed NSP Proposed Truple Proposed NSL Proposed NFO Proposed DC X
Gentlemen:		
I have examined the applica	tion dated 9	/11/70
	obil Atlantic Federa	
Operator	Lease and Well No.	S-T-R
and my recommendations are as fo	llows:	
O.KJ.D.R.	:	
O.KJ.W.R.	SI SI	

Ydurs very truly,

NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION

Form C+107 5-1-61

Operator				County			Date		•
Blackrock Oil Company				Lease	Lea	·	Septe	ember 9,	1970
1000 V & J Tower, Midland, Texas 79701 Location Unit					Atlantic J	Fed.	Range		
of Well D		10	1.	9S			36~£		
1. Has the New Mexico Oil Con-	ervatio	Commission ha	retofore a	wthorized	the multiple cor	inpletion of a	a well in these	same pools	s or in the same
zones within one mile of the 2. If answer is yes, identify one	subject :	well? YES		NO X					
3. The following facts are submi	tted:		pper		=	mediate one		Lowe Zone	· ·
a. Name of Pool and Formation) fi	San An					Penn	sylvania	
b. Top and Bottom of		1,300-5						-9861	
Pay Section		Open h	-		C		Perf	orations	
(Perforations)		•					1 .		
c. Type of production (Oil or	Gas)	Salt W	later D	isposa			Oil		
d. Method of Production				. [
(Flowing or Artificial Li			ion Pur	np			liydr	aulic Pu	mping
4. The following are attached. (1	dease o	heck YES of NU) <u>)</u>						** ***
X c. Waivers consectors have bee	f all leadenting to n furnis of the on. (If such the lease ion,	ses offsetting approach multiple hed copies of the well or other action had been actioned by the second which this was box 633, Million Buildir	pplicant's completion to applicate applicate at a label	lease. In from each tion.* log with the time the toget Texas land, '	ch offset operate ops and bottoms application is fi her with their co 79701	or, or in lieu s of produci ited it shall orrect mailin	ing zones and be submitted g address.	intervals of as provided	f perforation in- by Rule 112-A.)
				1 1					1
6. Were all operators listed in 1 date of such notification					of this applicati	lon? YES_	Х_ ко	If answ	er is yes, give
CERTIFICATE: 1, the under Company \under under my supervision and direction	1 (00	ompany), and the	at I am au	Presidation are true	y said company	to make this	s repertiand the best of my k	hat this repo	ort was prepared
				*		DR.	Signature	~ ~ ~	Date have
No.					~		_		Butler
*Should waivers from all offset a sion will hold the application f day period, no protest nor requa	ir a peri	ind of twenty (20	0) days fre	na date o	f receipt by the	Commission	a's Santa Fe o	ffice. If, of	vation Commis- ter said twenty-

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard protation unit in One or more of the producing zones, then separate application for approval of the same should be filled simultaneously with this application.

Form C-108 Revised 3-1-68

September 28, 1970 (Date)

NEW MEXICO OIL CONSERVATION COMMISSION

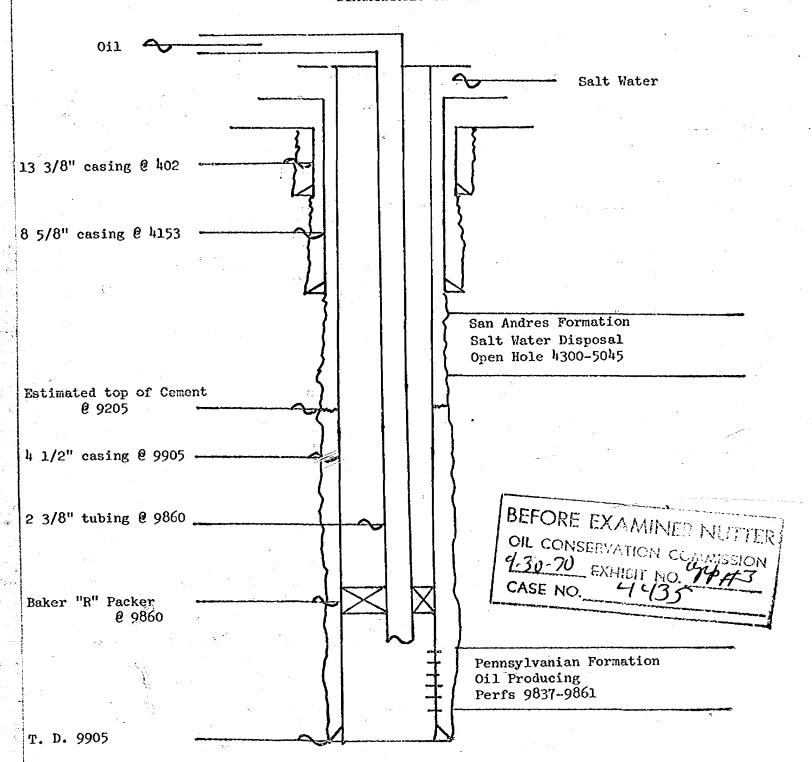
REVISED

[OPERATOR				HUN 	INTO A POROU	2 FORM	AI IUN
Blackrock Oil Compan		1000 V & J Tower, Midland, Texas 79701					
LEASE NAME	WELL NO.	FIELD				COUNTY	
Mobil Atlantic Fed.	Mobil Atlantic Fed.			Allison Penn. Lea			
LOCATION UNIT LETTER D) ; w	ELL IS LOCATED	660 FEET FR	IOM THE	North	NE AND	660 FEET FROM TO
LINE, SECTION 1	0 το	O-8	RANGE 36-F		нмрм.		,
NAME OF STRING	SIZE	SETTING DEPTH	AND TUBING DAT		TOP OF CEME	NT 1	TOP DETERMINED BY
SURFACE CASING				-	10. 0. 02.	1 /	TOP DETERMINED BY
	13 3/8	402	400		1 Circulate	a \	Observed
INTERMEDIATE	8 5/8	4153	3 50		2281		Calculated
LONG STRING	4 1/2	9905	220		8849		Calculated
TUBING			NAME, MODEL AND D				
NAME OF PROPOSED INJECTION FORMAT	2 3/8	9860	Baker Mode		" <u>@ 9860'</u>	BOTTOM	F FORMATION
San Andres			4300'				451
IS INJECTION THROUGH TUBING, CASING	7 · 4	ļ	S OR OPEN HOLE? PR		(NTERVAL(S) OF INJE	CTION	
4 1/2" x 8 5/8" casi		Open S			300 - 5045		
IS THIS A NEW WELL DRILLED FOR DISPOSAL?	011	Production (P	enn . Format	ion)	ILLED!	ZONE OTH	ever been perforated in a er than the proposed inject? Yes
Penn. 9837-9861, 220				н			
DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA		DEPTH OF BOTTOM OF	F NEXT HIGHER	<u></u>	DEPTH OF TOP	OF NEXT L	9837
ANTICIPATED DAILY MINIMUM INJECTION VOLUME [BBLS.]	I MAXIMUM		ED TYPE SYSTEM	IS INJ	ECTION TO BE BY GRAV		APPROX. PRESSURE (PSI)
ANSWER YES OR NO WHETHER THE FOLL	OWING WATERS A	000 Clo	Sed to be disposed of	NATUR	Pressur		1900 (Max.)
ERALIZED TO SUCH A DEGREE AS TO BE STOCK, IRRIGATION, OR OTHER GENERAL	USE -		Yes	SAL Z	Yes		No
NAME AND ADDRESS OF SURFACE OWNER	At .	4.1	- 6				
Allied Farms Develop	ment Co.	Inc., Box 12	38, Levellan	id, T	exas 79336		
Mobil Oil Corporatio			•	•	-		
Tenneco Oil Company,	-)7 ∩1	BEFORE	EXA	MINER NUTTE
	_				OF CONSTRUCTION COMMISSION		
BTA 0il Producers, 104 S. Pecos, Midland, Texas 79701					CASE MONIO AND. HIS		
			·		0113E 140.	1.15	The state of the s
HAVE COPIES OF THIS APPLICATION BEE SENT TO EACH OF THE FOLLOWING?	N SURFACE OW	KER	EACH OPERAT	OR WITE	IN ONE-HALF MILE		3.
SENT TO EACH OF THE FOLLOWING?	1	Yes	OF THIS WELL		es		
ARE THE FOLLOWING ITEMS ATTACHED THIS APPLICATION (SEE RULE 701-B)	TO PLAT OF ARE		ELECTRICAL			DIAGRAMM	MATIC SKETCH OF WELL
<u> </u>		Yes	1	Y	es	l 	Yes

NOTE: Should waivers from the surface owner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.

President (Title)

DIAGRAMATIC SKETCH

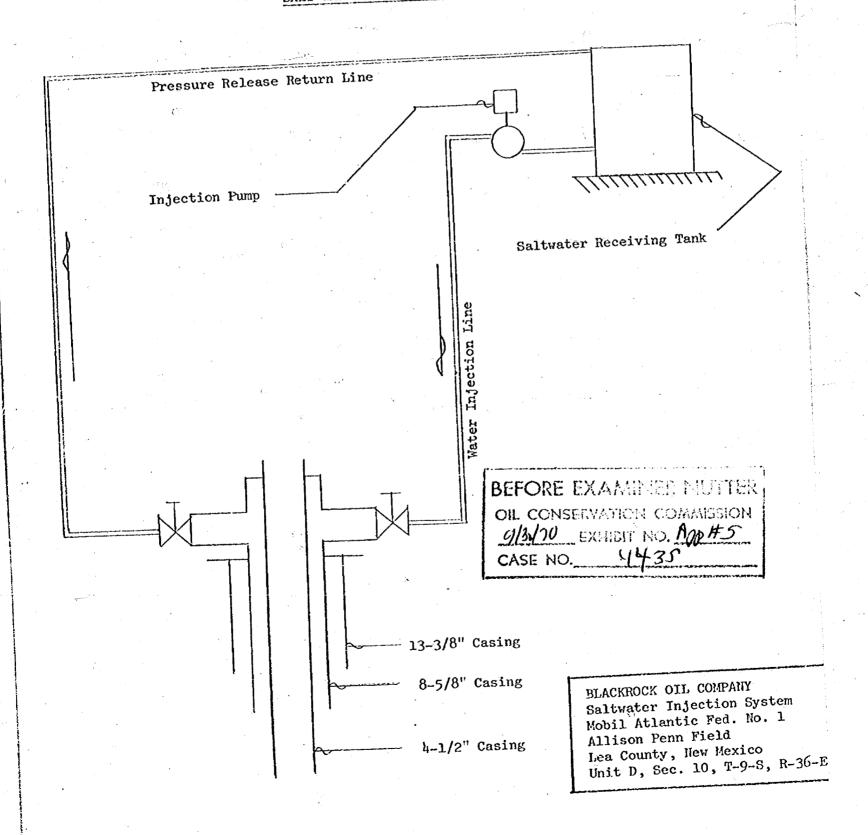


Blackrock Oil Company
Proposed Dual Completion
Mobil Atlantic Fed. No. 1
Allison Penn Field
Lea County, New Mexico
Unit D, Sec. 10, T-9-S, R-36-E

40-71-19-19-57 40-71-19-19-57 913 3212-57- 96-71-8 Union Prod.	Ø A 18015 17 - 5522	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	Roswell-LaSaile U.S. Cit Serv 15(5)	H Beebe elat 14	runson 109748 11
Roden Dil Fed Silver & 109761	J. O. Neill I H etal 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6	The Market Constall	Attornation of the control of the co	Shell 3 1 71 6146435 Lignum Oil 34	Orbini, French, Chenna Shearn-fed 1
<u>v</u> , s.	Marathon Large 10 Co. 100 Co.	## State Fig 1-11-23 Cities Serv 0.15 0.15 8-1/72 0.15	BBL Lidiz PETCO 61	Fleet Est, et al U.S. Américan 2J. Petrofina Laise Star 12:1-72 (Mobil) 12:1-72 0378425	U.S. Honsen
one O.P. O'P. O'	Mesens 1 Co on the first	St (Mobil) C E Pead Bates Fed 109 34	•2	91A 23 9232 KGS	102312 (Ereson 1
1 (Shell See 3 1-11) (See 3 1-1	Blackrock O		CHILDREN A CHILDREN A	u.s. U.s.	0553816 4440 5559KS 0553816 KGS 782 Roden 175 Brothum 175 Brothum
Shell) 1073000 12 1-73 0556301 5348513		BEFORE EXA	CONTRACTOR	(Aztee)	U.S. Fed Selman COWet Shell 1 - 13 - 75 Noostol 1 - 5 - 72 States 2 - 5 - 71 Occurs 0 - 5 - 71 Occurs
30	Lea County,	New Mexico EX-	1135 1435	Ne-0-Tex Alt-Rich Azlec (ed) 1-33-72 13-72 26-72 3-72 3-72 3-72 3-72 3-72 3-72 3-72 3	25
tene Findberstone ins Podel 29 62 Company Comp	subject wel Pennsylvani	l are producing an formation, w	from the ith the	874 Annescre 1 2 71 18 77 10 88 5 10 88 5 10 8 8 78 11 2 71 10 88 5 10 8 8 78 11 2 71 10 88 5 10 8 8 78 11 10 8 8 78 11 10 10 10 10 10 10 10 10 10 10 10 10	Minute: 1873 Shell Shell Shell Shell Shearn Shell Shearn Shell Shearn Shell Shearn Shea
MTA (O F. Featherstone)	I, Sec. 10,	of the well locate T-9-S, R-36-E, Salt Water Dispo	which is a	Skelly etal Little Yelre) 1 - 2 - \$1(2) C3831 Atian*ic	Attentic psungal
3[Pecon688LId"	Fenn Disc, IR	al BTA .z	M28:1	U.S. Fair of Fair of States of U.J. Sprenson	102667 ATT TE STATE OF THE STAT
Cosden of Feathers force 10 148.5 4 60	Cotol SI	P293 0449694 814 0449694 814 ************************************	ивр ссс 300	4992 10578 Atlanta 1 3935 Feed Control of the Contr	esse 3 Allison di State All
BTA 044694 PIB7	BIA 22 rigor O iller rigor O449694 P27 II 61131 300pt 2 to 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	238 (1 M) BIA (2 M) C M (2 M) (2 M) (2 M) (3 M)	Mobil 1/2 (Sinclair)	Constal States 100 ctus 12 ctus	Amia Dil 1035
BIA 6 BIA BIA 1 IM Horris 1911-73 IM SEC. 15 0213-534 STO 9875	**Northcott 655 (618.5 61) **Northcott 655 (618.5 61) **PIN 9 4 18	### Bond 685LH4 "	009300 3 	26 26 1 (Cocha) *Leg-51*fill > 'Surcey-51' Nantic Tergs 1 Kelly Beil 12 13 13 Pocific 6 20 - 77 14 15 15 17 16 6 16 - 77 14 15 18 18 18 18 18 18 18 18 18 18 18 18 18	10-13 tickey King Fe Amici Oil 2500 Sovenson 10-1-17 10-17 1
Abbill Warris 685 Lto Pilling US Wi Holdy Genn Win Educks	0449694 WEN Drig. "Bond 66521d." 10495 U.S., MI 10495 Why. E. Bonds, S	Och Lay Er Great Naters' Life ins Co.	Wilder Ld Corp 4 Mebil's Singleir Careldellands 3335	(Add) (Hightig) 364 51-1 Address Stote First scotton	Cos-Fed Gucaic 1655 Mobil Addical Cone Of Cos-Fed U.S., MI 103731 FRIFTED Baldridge 123731
PIA	Bra 10 3750 874 1-1-73 Publico 0.314-05-73 Pub	65TA 6 361 1735 7 6075 567	Pieckrock (Mr. 19) Pieckr	Gulf (Mobil) 2	(156) Sinctoir Mobil Mobil 1555 069300
7267 Soffles 687 Ltd. Fed. 7 Lero Bottles 3 BTA 3-26-23	10226180 Haragan 695 Ltd 8 034205E 3TA BYA	Danisy Company Compa	Tenness (Green) Bray, GM Con-	Fed Ahriis U.S. MI Childe a Fed a Shall testen I Middle a Fed a Fill Chairfort, Fill Macre Ethorson	12
BTA 1 3 ris Bornes 687 Ltd TipH. Earges	SSEAN 0554783 SSEAN 0554783 INSTRUMENT OF PREVIOUS STATES OF PREVIOU	Cosh 691Ltd. L L Con Bon Lay E.Grest Not'l Life Ins Mins Childs		R.G. [Mills]	U.S. MI Mantie Baldridge(S)
ensgar RC Fork 19 23 o Amer. 25 132 Journal 25 132 Journal 25 132 Journal 26 13 132 Journal 26 13 132 Journal 27 15 15 Journal 27 15 15 15 Journal 28 17 17 17 17 17 17 17 17 17 17 17 17 17	Services 6 tol 11 Hours Services 11 tol 11 Hours Services 11 tol 11 Feb.	O post Tenneco 1 7 20 - 75 1 K-\$117	BTO Mobil	Whitehall Warren ExDye Getty 0:1 "Love joy" Getty #1 Plan H.D. Terry, 131	Mobil 5 H B P 087300 U.S., Al
557611	JC Bown gill rs MI Empre Cost Por Anier Bush Cost Por Anier Bush Cost Por Anier Bush Cost Por Anier	'enreco - 16 872 73 IR.Lowe Est) 872 73 II-31-74 7:00.77 K-3561 7:10-77 K-3561 1:03	15 Gulf	Fish H.O. Terry, 15) Els Cri 10 172 WB Bernhill 2961 NGS 8 4 4 69 Tidenter 8 3 69	HB. Terry, (5) Wastern Mobil 1/2 Reserves, Western Roll 603 US MI (85350
MI Mory J.L. WE Ford Reed Withs Pan Amer.	Pan Amer	1931 1.103 10. \$ hove (e)	Sonto Fe Ry. U.D.Sonyer, S HLV'eson etal	Worlehall M.Mirken, U.S.M.L. etol, M.L. U.O. Sanger, etal	W.B. Barthill 8. 4 67 8. 76 71 U.O. Somereta free Bidingsess W.B. Barthill Somereta W.B. Barthill
81:77 5 1 76 24:5 0559en 65 USW Tenneco 8-29 73	Wist-1:11	Marcos Sartofe as To locis of Call of		2951 109735 6 7 75 (5 30703) 6 7 7 59 (5 30703) 8 16 7 71 New Stearton 9 2 7 71 New Stearton 9 105 10 Reserve	g 4.69 To: 130 2/41 19-16
P. Duke etol, M	(5.1/46)1) - 20	21	22 <u>M.L.Vinsov</u> els	Mabil 0ilber	Lean Double J.D. Jones Co. U.C. Sonyer Fred Bolderiges

DIAGRAMATIC SKETCH

SALT WATER INJECTION SYSTEM



O. DOYLE BUTLER

Consulting Petroleum Engineer 1000 VAJ TOWER MIDLAND, TEXAS 79701

BLACKROCK OIL COMPANY

Property Management CPHONE 683-5691

17

September 10, 1970

Case 4435

Mr. A. L. Porter Secretary-Director New Mexico Oil Conservation Commission Box 2088 Santa Fe, New Mexico 87501

> Administrative Approval for Multiple Completion and Salt Water Disposal Blackrock Oil Company Mobil Atlantic Fed. No. 1 Allison Penn Field Lea County, New Mexico

Dear Sir,

In accordance with Rule 112-A (IV) and by the provision of Rule 112-A (II)(a), being the Paul DeCleva, Bagley State No. 1, Unit D, Section 34, T-11-S, R-33-E, it is respectfully requested that administrative approval for Multiple Completion be granted for the above noted well.

Also in accordance with Rule 701-C it is requested that administrative approval be granted for an exception to Rule 701-A for Salt Water Disposal.

Attached are Forms C-107, C-108, Diagramatic Sketch of Multiple Completion, Plat and Electric log. Copies of this letter and attachements are being mailed this date to all offset operators and the surface owner or lessee. Should any further information be required, please advise.

Yours very truly,

BLACKROCK OIL COMPANY

O. Doyle Butler

ODB:ph CC: NMOCC - Hobbs

USGS - Hobbs (2)

DOCKET MAKED

Dets 9-18-70

NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION

Form C-107
S-1-61
XX

	,				
perator	County		Date w	Cace 4435	
Blackrock Oil Company	Lea			tember 9, 1970	
ddress	Lease	100	Well No.		
1000 V & J Tower, Midle		Mobil Atl	lantic Fed.	1	
of Well D		9-S	-	Range	10
			·		
Has the New Mexico Oil Conservation zones within one mile of the subject. If answer is yes, identify one such in	well? YES	NO_X	r.		se same pools or in the
. The following facts are submitted:	Unna		11		
and	Upper Zone		Intermediate Zone		Lower Zone
a. Name of Pool and Formation	San Andres			Pen	nsylvanian
b. Top and Bettom of	4300-5045				7-9861
Pay Section	Open hole	l		, , ,	forations
(Perforations)		1 .		1	
c. Type of production (Oil or Gas)	Salt Water Di	sposal		Oil	
d. Method of Production	41		\mathcal{L}		
(Flowing or Artificial Lift)	Injection Pum	р		Hyd	raulic Pumping
The following are attached. (Please of	heck YES of NO)		\mathcal{H}^{\prime}		
b. Plat showing the loca of operators of all least X c. Waivers consenting to	tion of all wells on applic ses offsetting applicant's l such multiple completion	f packers and si ant's lease, al ease, from each offs	ide door chokes, and Il offset wells on c	such other info ffset leases, a	ormation as may be pertin and the names and address
b. Plat showing the loca of operators of all lead [X] c. Waivers consenting to tors have been furnish d. Electrical log of the dicated thereon. (If su	tion of all wells on applic ses offsetting applicant's less offsetting applicant's less of such multiple completion hed copies of the applicate well or other acceptable location log is not available at the control which this well is located by the control of th	f packers and si ant's lease, all ease. from each offs ion.* og with tops an the time applica- ed together with Texas 797	ide door chokes, and If offset wells on content of productions of production is filed it shall their correct mail	such other info ffset leases, a eu thereof, evi cing zones an Il be submitted	ormation as may be pertired the names and address dence that said offset of differential intervals of perforation
b. Plat showing the loca of operators of all lease X c. Waivers consenting to tors have been furnish d. Electrical log of the dicated thereon. (If su List all offset operators to the lease Mobil Oil Corporation,	tion of all wells on applic ses offsetting applicant's less offsetting applicant's less of such multiple completion hed copies of the applicate well or other acceptable less hot available at the constitution which this well is locate Box 633, Midland,	f packers and significant's lease, all ease, from each offsion. og with tops are the time applicated together with Texas 797 and, Texas	ide door chokes, and If offset wells on content of productions of production is filed it shall their correct mail	such other info ffset leases, a cu thereof, evi cing zones and It be submitted ing address.	ormation as may be pertined the names and address dence that said offset of dintervals of perforation
X	tion of all wells on applic ses offsetting applicant's less offsetting applicant's less of such multiple completion hed copies of the applicate well or other acceptable less hot available at the constitution which this well is locate Box 633, Midland,	f packers and significant's lease, all ease, from each offsion. og with tops are the time applicated together with Texas 797 and, Texas	ide door chokes, and all offset wells on comment of productions of production is filed it should be their correct mail [701]	such other info ffset leases, a cu thereof, evi cing zones and It be submitted ing address.	dence that said offset op
b. Plat showing the loca of operators of all lead of operators of all lead to the lead of	tion of all wells on applic ses offsetting applicant's less offsetting applicant's less of such multiple completion hed copies of the applicate well or other acceptable less hot available at the constitution which this well is locate Box 633, Midland,	f packers and significant's lease, all ease, from each offsion. og with tops are the time applicated together with Texas 797 and, Texas	ide door chokes, and all offset wells on comment of productions of production is filed it should be their correct mail [701]	such other info ffset leases, a cu thereof, evi cing zones and It be submitted ing address.	ormation as may be pertined the names and address dence that said offset or district of perforation
b. Plat showing the loca of operators of all lease X c. Waivers consenting to tors have been furnish Electrical log of the dicated thereon. (If sue the lease Mobil Oil Corporation, Tenneco Oil Company, William STA Oil Producers, 104 in the located the second	tion of all wells on applic ses offsetting applicant's less offsetting applicant's less of such multiple completion hed copies of the applicate well or other acceptable less hot available at the constitution which this well is locate Box 633, Midland,	f packers and significant's lease, all ease, from each offsion. og with tops are the time applicated together with Texas 797 and, Texas	ide door chokes, and all offset wells on comment of productions of production is filed it should be their correct mail [701]	such other info	ormation as may be pertired the names and address dence that said offset of differential intervals of perforation
X	tion of all wells on applicates offsetting applicant's less offsetting applicant's less of the applicate of the applicate well or other acceptable less to log is not available at the constant on which this well is located box 633, Midland, less Box 633, Midland, less Pecos, Midland, over notified and furnished eptember 9, 1970	f packers and significant's lease, all ease, all ease, from each offs ion.* og with tops are the time applicated together with Texas 797 and, Texas 797 and, Texas 797 and the time applicated together with the	ide door chokes, and If offset wells on conset operator, or in light and bottoms of production is filed it should be action in the correct mail of	such other info ffset leases, a eu thereof, evi cing zones and It be submitted ing address. X NO the Black	rock Oil
X	tion of all wells on applicates offsetting applicant's less offsetting applicant's less of the applicate of the applicate well or other acceptable less on which this well is located box 633, Midland, less B	f packers and significant's lease, all ease, all ease, from each offs ion.* og with tops are the time applicated together with Texas 797 and, Texas 797 and, Texas 799 a copy of this president thorized by said	ide door chokes, and If offset wells on content of production is filed it should be set operator, or in limited it should be set of their correct mail (701) The set operator, or in limited it should be set of their correct mail (701) The set operator, or in limited it should be set of their correct mail (701) The set operator, or in limited it should be set of their correct mail (701) The set operator, or in limited it should be set of their correct mail (701) The set operator, or in limited it should be set of their correct mail (701) The set operator, or in limited it should be set of their correct mail (701) The set operator, or in limited it should be set of their correct mail (701) The set operator, or in limited it should be set of their correct mail (701) The set operator, or in limited it should be set of their correct mail (701) The set operator, or in limited it should be set of their correct mail (701) The set operator of the set of their correct mail (701) The set of the set of their correct mail (701) The set of the set of the set of the set of their correct mail (701) The set of	such other info ffset leases, a eu thereof, evi cing zones and It be submitted ing address. X NO the Black nis report; and	rock Oil that this report was prepared.

*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in One or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

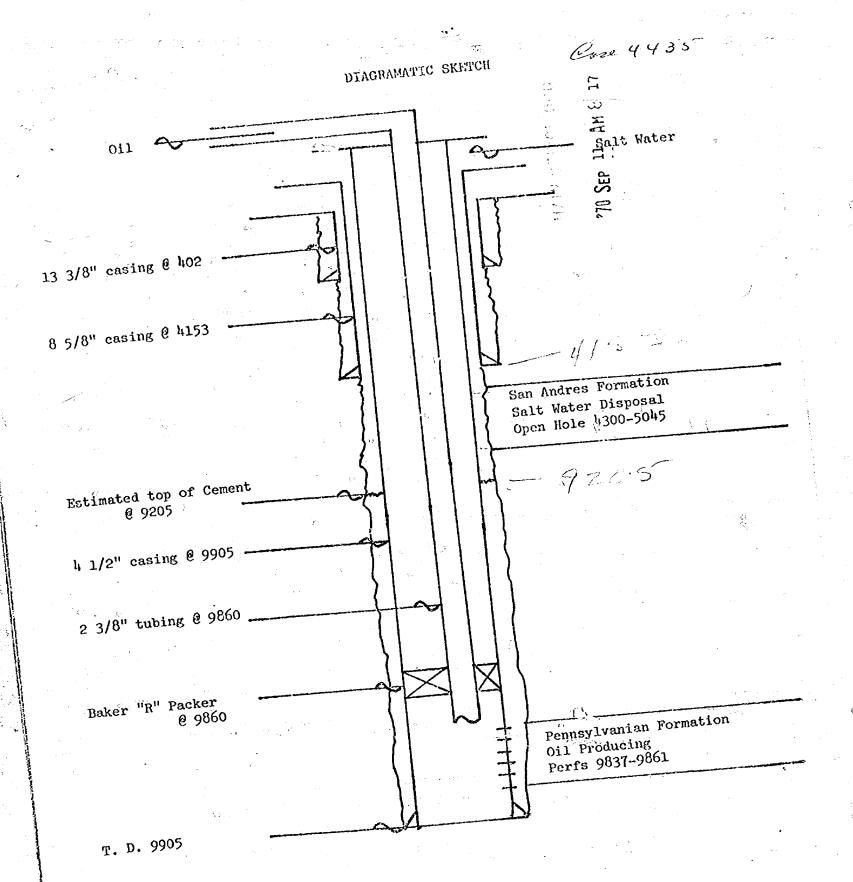
NEW MEXICO OIL CONSERVATION COMMISSION

NEW MEXICO OIL CONSERVATION COMMISSION E CAPPLICATION TO DISPOSE OF SALT WATER BY INJECTION INTO A POROUS FORMATION Care 4435

[0050]					
OPERATOR	. , , , , , , , , , , , , , , , , , , ,	in the same of	ADDRESS		
Blackrock Oil Comp	THELL NO.	1,1000 V	& J Tower, Mid	land Texas 79701	
Mobil Atlantic Fed	•	1	Allison	Penn.	Lea Lea
- manga .	D we	LL IS LOCATED 66	60 FEET FRO	M THE North	LINE AND 660 FEET FROM THE
	3.0	MSHIP 9-8	_{панде} 36-Е	NMPM.	TEET FROM THE
			AND TUBING DATA		
NAME OF STRING	SIZE	SETTING DEPTH	SACKS CEMEN	T TOP OF CEM	ENT TOP DETERMINED BY
SURFACE CASING	13 3/8	402	¥òo	Circulate	d Observed
INTERMEDIATE	25 5/ 0		/		
<u> </u>	8 5/8	4153	/ 350	2281	Calculated
LONG STRING	1. 3.70	0005	/ 000	0005	Calculated
TUBING	4 1/2	9905	NAME, MODEL AND DE	PTH OF TUBING PACKER	- carearasea
The second secon	2 3/8	9860	Baker Model	"R" @ 9860'	
NAME OF PROPOSED INJECTION FORMATIO		4.1	TOP OF FORMA	,	BOTTOM OF FORMATION
San Andres	R ANNULUS?	PERFORATIONS	430 5 OR OPEN HOLE! PRO	OPOSED INTERVAL(S) OF IN	5045'
4 1/2" x 8 5/8" casin	\	Open		4300 - 5045	
IS THIS A NEW WELL DRILLED FOR DISPOSAL?	\ \ \ \ \	NO, FOR WHAT PURPO	1		HAS WELL EVER BEEN PERFORATED IN AN
NO	Oil\P	roduction (Pe	enn. Formatio	on)	TION ZONE? Yes
006	•				Ç.
Penn. 9837-9862, 220 DEPTH OF BOTTOM OF DEEPEST FRESH WATER ZONE IN THIS AREA	Sacks Cel	DEPTH OF BOTTOM OF	NET HIGHER	DEPTH OF T	OP-OF-NEXT-LOWER
355	6	OIL OR GAS ZONE IN	None	9	ZONE IN THIS AREA 837
ANTICIPATED DAILY MINIMUM INJECTION VOLUME	600	Close	ED TYPE SYSTEM	Pressure	AVITY OR APPROX. PRESSURE (PSI)
170			TO BE DISPOSED OF		- ARE WATER ANALYSES ATTACHED?
ANSWER YES OR NO WHETHER THE FOLLO ERALIZED TO SUCH A DEGREE AS TO BE U STOCK, IRRIGATION, OR OTHER GENERAL			Yes	Yes	No.
NAME AND ADDRESS OF SURFACE OWNER			M. T.		
Allied Farms Develp	ment Co.,	Inc., Box 12	230, Levellar	nd, Texas 7933	<u> </u>
Mobil Oil Corporati					
, and the second	, DOR O.	7			
Tenneco Oil Company	, Wilco B	uilding Mid	land, Texas	79701	
BTA Oil Producers,	104 S. Pe	cos, Migland	, Texas 7970)1	Carl Berger
					No.
				** · · · · · · · · · · · · · · · · · ·	·
HAVE COPIES OF THIS APPLICATION BEEN SENT TO EACH OF THE FOLLOWING?	SURFACE OWN	IER .	EACH OPERATO	R WITHIN ONE-HALF MILE	
**************************************	į	Yes		Yes	
ARE THE FOLLOWING ITEMS ATTACHED T THIS APPLICATION (SEE RULE 701+B)	PLAT OF ARE		ELECTRICAL L	•	DIAGRAMMATIC SKETCH OF WELL
A CONTRACTOR OF THE CONTRACTOR		Yes		Yes	Yes
I hereby cert	ify that the inf	ormation above is	true and complete	to the best of my know	vledge and belief.

(Title) (Date)

NOTE: Should waivers from the surface owner and all operators within one-half mile of the proposed injection well not accompany this application, the New Mexico Oil Conservation Commission will hold the application for a period of 15 days from the date of receipt by the Commission's Santa Fe office. If at the end of the 15-day waiting period no protest has been received by the Santa Fe office, the application will be processed. If a protest is received, the application will be set for hearing, if the applicant so requests. SEE RULE 701.



Blackrock Oil Company
Proposed Dual Completion
Mobil Atlantic Fed. No. 1
Allison Penn Field
Lea County, New Mexico
Unit D, Sec. 10, T-9-S, R-36-E

ause 4435 Rosacil Lasalle ⊕! A 10015 7- 5515 CISELY DE CONTROL OF C She!! 3 | 11 6:40 | 135 Sunsetings Solve Bon Sanse J 1.0 Heili 11 Lignum Oil 3, Fieel Est etal Hoter Corp. Roden Dil rid Silver of 109761 Im Petr. 1 gries Serv 15 Lords 1 8-1-72 15 Lords 2 350 16 10 123 5 350 16 10 123 5 350 16 10 123 5 350 16 10 123 5 350 16 10 123 5 350 17 10 123 5 350 4040 c 5 8 57? W.A.Helby 6-1-74 c553816 19-jen 1 16.8 Goge Knox 151 W. Davis(S) Blackrock Oil Company Mobil Atlantic Fed. No. 1 (\$2166) and Unit D, Sec. 10, T-9-S, R-36-E Ne O-Tex Aclec fed Allison Penn Field Lea County, New Mexico Shelli NOTE: All wells within one mile of 618 A12869/Lfd 1098/5 (Irefe Terrill 8.3 subject well are producing from the Matter 150 1244

102 204

102 204

103 204

104 204

105 204

105 204

105 204

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 205

105 FA Feetherstone Pennsylvanian formation, with the dus. exception of the well located in Unit Skelfy, efol n inie Yelee) I, Sec. 10, T-9-S, R-36-E, which is a Atlantic U.S. San Andres Salt Water Disposal well. 8TA 1 (O.F. Feotherstone 1 051R45 Pen Disc, R. Open (Cobot) File State -Mebil HBP BTA , 2 10 5825 04496 94 17 695 Cosden of Lidd Featherstone 170 9880 OF STORY OF Trice 637 636 636 U.S. Mobil , 1/2 (Sinclair) y.s._ BA364 (104) 0449694 (104) 1 Amiri Oil Fed To.J.

Amiri Oil Fed To.J.

Amiri Oil Fed To.J.

1063-00 KGS 1053

1164-Cor-Fed Automa 393

Wobil Addfed Cort

Vobil Addfed Cort

11Certed U.S., MI 1533

13Alfred Boldridge BTA 22 p301 (0) 17 0449634 P22 0449694 PIST 069300 Book St. Don Lay Wilder Ld Corp Ado) Atlantis Mobil 1/2 Singlair C449694 WEK Drigged

Bend 685 Ltd., 10 4515

U.S., MI DAS 35, Wm. E. Bonds. Sinctor
Levit Mobil
Selfer 069300 oleros (Histor) 2 B'A

1135.7

125.7

125.67

125.67

125.67

125.67

125.67

125.67 Harris 685 : 40 US W. Gibrallorieta) (rried)

Gibrallorieta) (rried)

Financo

SobMergii daluu and

SobMergii daluu U.S. MI Childe s-Fra 93TA Sud Cestes

Internationical

Magee Eligate

3 30 73 Sent National Offe Bel-Apothe Morco-Fed BTA 0349058 10236180 102301685Ltd U.S. MI Montis Ealdridge(5) Page | Bettles 081 Ltd | Lara Battles | Fed | -7 BTA | 3 -26-73 | 01 | 014 ETA BIA R.G. Mills Sincloir Matil 1/2 H B P 069300 Cosh 691118 L L Bear Don Loy E. Great Not Thire In: Mins Divided 1 Marren E.Dye interest (Pankment) Coliver sas Lid. Collacit Borres 687Lld Mobil Top Freud (5)

Top American (5)

Top Previd (5)

Top Previd (5) BTE Sentafe U.S., MI Tenrieco 1 - 20 - 75 K - 5117 Jip H. Far ich H.D.Terry,(5) QCHank Fan Mobil 1/2
rs, Western Nal 644
US MI 065300 H.b. Terry. (5) W & Barnhill SecoProd. Vincon 1012.396 bari Ime: 1555811 16 87432 Terneco 1 7:18:77 (R.Lowe Est) 1. 21 - 74 K-3581 U O SONYETE -18 36 P.J. ichier U.S.MI. etol.M. Senta Fe Ri U.D. Sanyer. W B Bernhili 6 . 7 . 7) 6 . 7 . 69 8 . 6 . 71 9 . 70 Reserv HL Vinsen, eta Gulf. etal 2951 109 KG5 (Sunroy) (Sunroy) Pon Amer Victories, 8 -13 10 etc. of Fleto etc. 11 13 etc. 10 Freuit (3) 0559811 (Matren)

DRAFT

GMH/esr

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL CONSERVATION COMMISSION OF NEW MEXICO FOR THE PURPOSE OF CONSIDERING:

Sur

APPLICATION OF BLACKROCK OIL COMPANY FOR A DUAL COMPLETION AND SALT WATER DISPOSAL, LEA COUNTY, NEW MEXICO. CASE No. 4435

Order No. R-4039

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on September 30, 1970, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter

NOW, on this <u>day of October</u>, 1970, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Blackrock Oil Company, seeks authority to complete its Mobil Atlantic Well No. 1, located in Unit D of Section 10, Township 9 South, Range 36 East, NMPM, Lea County, New Mexico, as a dual completion to produce oil from the Pennsylvanian formation through 2 18 -inch tubing and to dispose of produced salt water down the annulus between the 8 18 -inch intermediate casing string and the 4 -inch production casing string into the San Andres formation in the open-hole interval from 4300 feet to 5045 feet and possibly other formations between the 8 5/8-inch casing shoe at 4153 feet and the top of the cement at 9205 feet.

(3) That coupon corrosion tests should be conducted continuously on said well and the results thereof filed quarterly with the Commission until further notice from the Secretary-Director of the Commission.

(4) That approval of the dual completion and salt water disposal as set out above will prevent the drilling of unnecessary wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

authorized to complete its Mobil Atlantic Well No 1, located in Unit D of Section 10, Township 9 South, Range 36 East, NMPM,

Lea County, New Mexico, as a dual completion to produce oil from the Pennsylvanian formation through 2 — inch tubing and to also of produced salt water down the annulus between the — inch intermediate casing string and the — inch production casing string into the San Andres formation in the open-hole interval from 4300 feet to 5045 feet and possibly other formations between the 8 5/8-inch casing shoe at 4153 feet and the top of the cement at 9205 feet;

PROVIDED HOWEVER, that coupon corrosion tests shall be conducted continuously on said well and the results thereof filed quarterly with the Commission until further notice from the Secretary-Director of the Commission;

PROVIDED FURTHER, that the applicant shall submit monthly reports of its disposal operations in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.