CASE 3774: Application of EXECT
A. HAMSON for a dual completion,
Lea County, New Mexico.

Case Number 3

Application Transcripts.

Small Exhibits

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BEFORE THE OIL COMMERVATION COMMISSION OF THE STATE OF MEN MEXICO

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

> CASE No. 3774 Order No. R-3422

APPLICATION OF ERMEST A. HAMSON FOR A DUAL COMPLETION, LEA COUNTY, MEN MEXICO.

ORDER OF THE COMUSSION

BY THE COMMISSION:

This cause came on for hearing at 8 a.m. on May 22, 1968, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 29th day of May, 1968, the Commission, a querum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

PIEDS:

- (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, Ernest A. Hanson, seeks authority to complete his Max Gutman Well No. 5, located in Unit W of Section 19, Township 22 South, Range 38 East, HMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Drinkard Pool and the East Brunson-Granite Wash Youl through parallel strings of 2 1/16-inch tubing, with sevaration of sones by a packer set at approximately 7300 feet.
- (3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.
- (4) That approval of the subject application will prevent waste and protect correlative rights.

-2-CABE No. 3774 Order No. R-3422

IT IS THEREFORE ORDERED:

(1) That the coplicant, Ernest A. Hanson, is hereby authorised to complete his Max Gutman Well No. 5, located in Unit N of Section 19, Township 22 South, Range 38 East, MCPM, Unit N of S

provided HOMEVER, that the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order;

PROVIDED FURTHER, that the applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the East Brunson-Granite Wash Pool.

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

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

STATE OF MEN MEXICO

OIL CONSTRUCTION COMMISSION

LAVID F. CARGO, Chairman

GUTTON B. HAYS, Member

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

GOVERNOR DAVID F. CARGO CHAIRMAN

State of New Mexico Bil Conservation Commission

LAND COMMISSIONER GUYTON S. HAYS MEMBER



P. O. BOX 2006 SANTA FE STATE GEOLOGIST A. L. PORTER, JR. SECRETARY - DIRECTOR

May 29, 1968

Mr. Jason Kellahin Kellahin & Fox Attorneys at Law Post Office Box 1769 Santa Fe, New Mexico Re: Case No. 3762
Order No. R-3422 & R-3423
Applicant:
Ernest A. Hanson &
Enannick Oil Co.

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	
Carbon copy of drder also sent to:	
Hobbs OCC	
Artesia OCC	
Astec OCC	
Other	

CASE 3751 CONTINUED FROM PAGE -1-

tubing and gas from the Morrow formation through 2-inch tubing. Applicant also seeks an exception to the tubing requirements of Commission Rule 107 in that said 1.38-inch tubing would be set more than 250 feet above the uppermost wolfcamp perforation. Applicant further seeks approval for the non-standard location for said well in the South Corbin-Morrow Gas Pool if the E/2 of said Section 29 is dedicated to the well as proposed, or in the alternative, applicant seeks approval for a non-standard gas proration unit for the well comprising the E/2 NW/4 and the NE/4 of said Section 29.

CASE 3771:

Application of Pennzoil Company for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the South Corbin-Wolfcamp Oil Pool, Lea County, New Mexico, including a provision for 160-acre spacing and proration units.

CASE 3772:

Application of George L. Buckles Company for three waterflood projects, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute three waterflood projects by the injection of water into the Queen Sand of the Langlie-Mattix Pool in Township 25 South, Range 37 East, Lea County, New Mexico, as follows:

A waterflood project comprising all of Section 3 and the E/2 NE/4 and NE/4 SE/4 of Section 4, with injection to be through eight wells located in Units A, F, J, L, M, O, & P of Section 3, and Unit H of Section 4;

A waterflood project comprising the S/2 S/2 of Section 10, the W/2 SW/4 of Section 11, the W/2 NW/4 of Section 14, and the NE/4 and NE/4 NW/4 of Section 15, with injection to be through ten wells located in Units M & O of Section 10, Unit M of Section 11, Unit D of Section 14, and Units A, B, C, G, and H of Section 15.

A waterflood project comprising the NE/4 of Section 22, with injection to be through three wells located in Units B, G, and H of Section 22;

Numerous of the above-described water injection wells are proposed to be located at unorthodox locations, often 5 to 15 feet from the corners and/or boundaries of their respective 40-acre tracts.

PLEASE NOTE THAT THIS HEARING WILL START AT 8 O'CLOCK A.M.

Docket No. 16-68

DOCKET: EXAMINER HEARING - WEDNESDAY - MAY 22, 1968

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

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

- CASE 3769: Application of Texas Pacific Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the South Leonard (Queen) Unit Area comprising 640 acres, more or less, of Federal and Fee lands in Township 26 South, Range 37 East, Lea County, New Mexico.
- CASE 3770:

 Application of Texas Pacific Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in its South Leonard (Queen) Unit Area by the injection of water into the Queen formation through five wells located in Sections 13, 23, and 24, Township 26 South, Range 37 East, South Leonard-Queen Pool, Lea County, New Mexico.
- CASE 3751: (Continued and readvertised from the April 24, 1968, Examiner Hearing):

Application of Pennzoil Company for a dual completion, tubing exception, and a non-standard gas well location or non-standard gas proration unit. Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its Hudson Federal 29 Well No. 1 located 660 feet from the North line and 1980 feet from the East line of Section 29, Township 18 South, Range 33 East, South Corbin Field, Lea County, New Mexico, in such a manner as to produce oil from the Wolfcamp formation through 1.38-inch ID

CASE 3773:

Application of Mabee Royalties, Inc., and Yuronka and Chandler, for an amendment to Orders Nos. R-3263 and R-3388, Lea County, New Mexico. Applicants, in the above-styled cause, seek the amendment of Orders Nos. R-3263 and R-3388 to designate Mabee Royalties, Inc., as operators of the S/2 SW/4 and NE/4 SW/4 of Section 7, Township 22 South, Range 38 East, Lea County, New Mexico, rather than John Yuronka and Robert E. Chandler, who were originally designated as operators of said compulsorily pooled lands.

CASU 3774:

Application of Ernest A. Hanson for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of his Max Gutman Well No. 5 located in Unit N of Section 19, Township 22 South, Range 38 East, Lea County, New Mexico, in such a manner as to permit the production of Drinkard and East Brunson-Granite Wash oil through parallel strings of tubing.

CASE 3775:

Application of Cities Service Oil Company for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to Grill its State "AE" Well No. 2-Y at an unorthodox location 1420 feet from the South line and 990 feet from the West line of Section 36, Township 16 South, Range 36 East, Lovington-Abo Pool, Lea County, New Mexico. Said well will be bottomed no closer than 1420 feet to the South line nor farther than 990 feet from the West line of said Section 35, and will be drilled as a replacement for applicant's State "AE" Well No. 2 on the same 40-acre tract, which well must be abandoned due to a casing failure.

CASE 3776:

Application of J. M. Huber Corporation for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Union-State Unit Area comprising 1360 acres, more or less, of State lands in Township 15 South, Range 32 East, Lea County, New Mexico.

CASE 3701 (Reopened):

In the matter of Case No. 3701 being reopened at the request of Coastal States Gas Producing Company to consider the amendment of the special pool rules for the Baum-Wolfcamp Pool, Lea County, New Mexico, to provide for 160-acre spacing and proration units with the assignment of 80-acre allowables.

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

Form C-10 5-1-61

			- Ö	ace 3774		
Operator		County	Date			
Ernest A. Hanson		Lease	Well No	April 24, 1968		
P. O. Box 1515, R	oswell, N. M.	Max Gutman		5		
Lecation Unit Sec	tion Tow	nsh!p	Range			
of Well	19	22-South		38-East		
 Has the New Mexico Oil Conservation 		1/	of a well is	n these same pools or in the same		
zones within one mile of the subject		NO X				
If answer is yes, identify one such in	· · · · · · · · · · · · · · · · · · ·			o.: <u>Hanson - #1 Gutma</u>		
(Granite Wash & Bline	bry MC #177	9 Hanson - #2 Gutma	in (Pa	ddock & Drinkard)		
3. The following facts are submitted:	Uppei	Intermediate		Lower		
	Zone	Zone		Zone		
a. Name of Pool and Formation	Drinkard			Granite Wash		
b. Top and Bottom of		Withen 1m	6.7			
Pay Section	6392-69631	Carl Bruns	02 - 3/1	7356-73911		
(Perforations)						
c. Type of production (Oil or Gas)	011			011		
d. Method of Production	Flowing	į		Flowing		
(Flowing or Artificial Lift) 4. The following are attached. (Please	<u> </u>			FIOMING		
izers and/or turboliz diameters and setting X b. Plat showing the loc of operators of all le C. Waivers consenting tors have been furni A. Electrical log of the dicated thereon. (If some set of the lease marathon Oil Co., P. Gulf Oil Corp., P. O	ers and location thereof, question and type of action of all wells on applicates as offsetting applicant's less of multiple completion shed copies of the applicate well or other acceptable less that on which this well is located to the control of the applicate on which this well is located to the control of the applicate on which this well is located to the control of the applicate on which this well is located to the control of the applicate on which this well is located to the control of the application of the applicat	from each offset operator, or in lion.* og with tops and bottoms of produce time application is filed it should be together with their correct main dland, Texas well, New Mexico	perforated I such other offset least ieu thereoucing zone all be sub-	intervals, tubing strings, including a information as may be pertinent es, and the names and addresse f, evidence that said offset operates and intervals of perforation in mitted as provided by Rule 112-A.		
Texaco, Inc., P. 0. American Petrofina C Texas Pacific Oil Co Wolfson Oil Co., 320	e., P. O. Box 1	311, Big Spring, To		- 198 Apr 26 AH 8 5		
6. Were all operators listed in Item 5 a						
	eil 24, 1968			. Il auswei is yes, giv		
CERTIFICATE: I, the undersigned, under my supervision and direction and	company), and that I am aut	horized by said company to make	this report	; and that this report was prepare		
		Many 7	Signatu	5-9,68		

*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.

1120 SIMMS BADGI, O.P. G. BOX 1672 O PHONG 343-6491 O ALBHOUSHOUR, HEW MESHOD

BEFORE THE
OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
May 22, 1968

EXAMINER HEARING

IN THE MATTER OF:

Application of Ernest A. Hanson for a dual completion, Lea County, New Mexico.

Case No. 3774

BEFORE: Daniel S. Nutter, Examiner

TRANSCRIPT OF HEARING



MR. NUTTER: We will call Case 3774.

MR. HATCH: Case 3774. Application of Ernest A. Hanson for a dual completion, Lea County, New Mexico.

MR. KELLAHIN: If the Examiner please, Jason Kellahin, Kellahin and Fox, appearing for the applicant. I have one witness I would like to have sworn.

(Witness sworn.)

MR. KELLAHIN: If the Examiner please, the exhibits to be used in this case were attached to the application, and we would like to have those admitted as the exhibits in this case.

MR. NUTTER: I presume you are referring to the schematic diagrams and the plats?

MR. KELLAHIN: That's right.

MR. NUTTER: These will be admitted as exhibits.

(Whereupon, Exhibits 1 and 2 were marked for identification.)

HARRY F. SHAM

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

DIRECT EXAMINATION

BY MR, KELLAHIN:

Q State your name, please.

- A Harry F. Sham.
- Q By whom are you employed and in what position?
- A Exploration Manager for Ernest A. Hangon
- Q Where are you located?
- A Roswell, New Mexico.
- Q Have you testified before the Oil Conservation
 Commission and made your qualifications a matter of record?
 - A Yes, sir.

MR. KELLAHIN: Are the witness's qualifications acceptable?

MR. NUTTER: Yes, they are.

- Q (By Mr. Kellahin) Mr. Sham, are you familiar with the application of Ernest A. Hanson in Case No. 3774?
 - A Yes, sir.
- Q Briefly, what is proposed by Mr. Hanson in this application?
- A Briefly, the application asks for approval to dually complete the Ernest A. Hanson No. 5 Max Gutman well out of the Drinkard at 6392 to 6963 and the Grunite Wash at 7356 to 91.
 - Q Has that completion been made already?
 - A Yes.
- Q Attached to the application filed in this case were certain exhibits. Would you go through the exhibits attached

to the application and describe them?

A The first exhibit, I believe, is the disgrammatic sketch, which simply shows the casing strings and the tubing where the packer is set, and the perforations with relation to the tubular goods.

- Q The production from the two zones will be through tubing in each case?
 - A Yes, sir.
- Q Is this a conventional type of completion that has been approved by the Commission?
 - A Yes, sir.
- Q Are there other dual completions in the area similar to this?
- A Yes, we have two dual completions on the same lease. However, they are a combination of different zones. However, both of these zones are dualled on the same lease with other zones.
 - Q What other zones are involved there?
- A Well, on our No. 1 Gutman, the Granice Wash was completed with the Blinebry and on the No. 2 Gutman the Drinkard was completed with the Paddock formation.
- Q Attached to the application is a plat showing the location of the well and offsetting ownership, is there not?

- A Yes, sir. This simply shows the operators surrounding us and the location of the well in relation to our lease.
- Q Has the packer leakage test been made on this well as yet?
- A No. At the present time the Drinkard is shut-in and the Granite Wash is being produced. As soon as we can produce both zones we will tun the packer leakage test.
- Q Do you have any information on the pressures in the two zones?
- A Yes. The Granite Wash has a shut-in pressure of 900 pounds and flows, is presently flowing on an intermitter which ranges between 900 and 100 pounds.

MR. NUTTER: 900 pounds, that's at surface?

THE WITNESS: Yes, that's surface pressure. The

Drinkard has a shut-in pressure of 1500 pounds.

- Q (By Mr. Kellahin) That also is a surface shut-in pressure?
 - A Yes, that's a surface shut-in pressure.
- Q As soon as the packer leakage test has been performed, you will file the proper forms with the Commission?
 - A Yes.
- Q Do you have any information on the fluid characteristics of the two zones? Is there any substantial

difference in them?

A No. Actually both zones are approximately 40 gravity oil and there's just almost no difference in the oils themselves unless it would be color. One is a yellow oil, the other is a green oil, but we have never had them analyzed. They're basically the same, however.

MR. KELLAHIN: We offer in evidence the exhibits attached to the application.

MR. NUTTER: Applicant's exhibits is how they have been identified, will be admitted in evidence.

(Whereupon, Exhibits 1 and 2 were offered and admitted in evidence.)

CROSS EXAMINATION

BY MR. NUTTER:

- Q What are the GOR's here?
- A We have not run GOR's at this time. We will run both the GOR's and the packer leakage test at the same time.
 - Q I see.

MR. NUTTER: Are there any other questions of Mr. Sham? He may be excused.

(Witness excused.)

MR. NUTTER: Do you have anything further, Mr. Kellahin?

MR. RELLAHIN: That's all I have, Mr. Nutter.

MR. NUTTER: Does anyone have anything they wish
to offer in Case 3774? We will take the case under
advisement.

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WITNESS		PAGE
HARRY F. SHAM Direct Examination by Mr. Cross Examination by Mr.		2 6
EXHIBITS Exhibits No. 1 & 2	MARKED 2	OFFERED AND ADMITTED

STATE OF NEW MEXICO COUNTY OF BERNALILLO)

I, ADA DEARNLEY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability.

Witness my Hand and Seal this 10th day of June, 1968.

My Commission Expires:

June 19, 1971.

I do hereby sertify that the feregoing is a complete record of the proceedings in the Erapiner hearing of Case No

DIAGRAMMATIC SKETCH OF THE MULTIPLE COMPLETION

Ernest A. Hanson - #5 Max Gutman

Granite Wash	Drinkard 8-5/8" casing @ 1180° w/450 sx. (Cmt. circ. to surf.)
40° Ar	Drinkard perfs. @ 6392-6963' Otis 5-1/2" Perma-Trieve Packer set @ 7300' 2-1/16" tubing set @ 7356-7391' PBTD @ 7419' TD @ 7447' PEFORE EXAMINER NUTTER EXAMINER NUTTER EXHIBIT NO. STATE STATE PERM 9 Set Set STATE STATE PRINT 9 Set STATE PRINT 9 Set PRINT 9 PRINT 9 Set PRINT

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AtlanticHichfieldCompany

North American Producing Division New Mex Arizona District Post Office Box 1978 Roswell, New Mexico 88201 Telephone 505 622 4041

W. P. Tomlinson District Engineer

April 8, 1968

CO-OWNERS NORTH CROSSROADS UNIT

Ro: Salt Water Disposal Facilities

Gentlemen:

We plan to request a hearing before the New Mexico Oil Conservation Commission to obtain a permit to dispose of produced water in the Bough "C" Formation in our State "AE" No. 2 well, located 1980' FSL, 560' FWL, Section 36, Township 8 South, Range 36 East, Allison Penn. Pool, Roosevelt County, New Mexico.

Attached are a plat, well log, cross-section and well bore diagram of our planned completion. We plan to inject water down tubing, with a packer set at approximately 9600', into existing Bough "C" perforations 9662' to 9672'. We expect to inject approximately 150 BWPD into this well. It is our conclusion that the injection of this volume of water back into the producing horizon will have no effect on existing producing wells. The nearest active producer is Atlantic Richfield Company's State "AE" No. 1 well which is two locations to the north of the subject well.

Since you have leases in the area or are co-owners in this lease, we request that you waive objection by signing a copy of this letter in the space provided below and returning it to us.

Your cooperation in this matter will be appreciated.

Yours very truly,

W. P. Tomlinson

JLT: jcb

Agreed and Accepted this

Representing:

MAILING LIST

Gulf Oil Corporation P. O. Box 1938 Roswell, New Mexico 88201

Mobil Oil Comporation P. O. Box 633 Midland, Texas 79701

Skelly Oil Company P. O. Box 730 Hobbs, New Mexico 88240

Chase Petroleum Company 405 North Marienfeld Midland, Texas 79701

Texas Pacific Oil Company P. O. Box 4067 Midland, Texas 79701 P. O. Box 310 Roswell, New Mexico 88201

Sunray D-X Oil Company 1101 Wilco Building Midland, Texas 79701

Yates Petroleum Corporation 207 South 4th Street Artesia, New Mexico 88210

Shell Oil Company P. O. Box 1509 Midland, Texas 79701

Great Western Drilling Company P. O. Box 1659 Midland. Texas 79701 AtlanticRichtieldCompany

North American Producing Division New Mey Arizona District Post Offic Box 1978 Roswell, New Mexico 88201 Telephone 505 622 4041





W. P. Tomlinson District Engineer

April 8, 1968

CO-OWNERS NORTH CROSSROADS UNIT

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Yours very truly,

W. P. Tomlinson

JLT:jcb

Agreed and Accepted, this 17th day of April , 1968.

зу: ____

Representing: GREAT WESTERN DRILLING COMPANY



SHELL OIL COMPANY

WESTERN DIVISION P. O. BOX 1509 MIDLAND, TEXAS 79701

April 17, 1968

Atlantic Richfield Company P. O. Box 1978 Roswell, New Mexico 88201

Attention: Mr. W. P. Tomlinson

Gentlemen:

Attached is the approved waiver for salt water disposal into the producing interval in the Allison Pool, Roosevelt County, New Mexico. Shell Oil Company has no objection to the disposal of produced water in the manner described in your letter of April 8, 1968.

Yours very truly,

J. E. R. Sheeler

Division Production Manager

Attachments

GAM: CW

AtlanticRichfieldCompany

North American Producing Division
New Mc Arizona District
Post Office Box 1978
Roswell, New Mexico 88201
Telephone 505 622 4041

W. P. Tomlinson District Engineer

April 8, 1968

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Yours very truly,

W. P. Tomlinson

JLT:jcb

Agreed and Accepted this 17 day of April , 1968.

By: Holleler

Representing: Shell Oil Company

AtlanticRichtiefdCompany

North American Producing Division New Mey - Arizona District Post Off - Box 1978 Roswell, New Mexico 88201 Telephone 505 622 4041





W. P. Tomlinson District Engineer

April 8, 1968

CO-OWNERS NORTH CROSSROADS UNIT

Re: Salt Water Disposal Facilities

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Yours very truly,

W. P. Tomlinson

JLT:jcb

Agreed and Accepted this // day of aguil, 1968.

Representing: Texas Pacific Oil Company

MAILING LIST

Gulf Oil Corporation P. O. Box 1938 Roswell, New Mexico 88201

Mobil Oil Corporation P. O. Box 633 Midland, Texas 79701

Skelly Oil Company P. O. Box 730 Hobbs, New Mexico 88240

Chase Petroleum Company 405 North Marienfeld Midland, Texas 79701

Texas Pacific Oil Company P. O. Box 4057 Midland, Texas 79701 John M. Kelly P. O. Box 310 Roswell, New Mexico 88201

Sunray D-X Oil Company 1101 Wilco Building Midland, Texas 79701

Yates Petroleum Corporation 207 South 4th Street Artesia, New Mexico 88210

Shell Oil Company P. O. Box 1509 Midland, Texas 79701

Great Western Drilling Company P. O. Box 1659 Midland, Texas 79701 AtlanticRichHeldCompany

North Apperican Producing Division New Md 3-Arizona District Post Office Box 1978 Roswell, New Mexico 88201 Telephone 505 622 4041



W. P. Tomlinson District Engineer

April 8, 1968

CO-OWNERS NORTH CROSSROADS UNIT

Re: Salt Water Disposal Facilities

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W. P. Tomlinson JLT: jcb Agreed and Accepted this ____ day of _____, 1968. Representing: SUNRAY DX OIL COMPANY

Sunnay DX Oil Co. no longer has the lease on the NE/4 Sec . 36 T-8-S, R-38E. Haberael, D. Hetry Division Engineer_

AtlanticRichfieldCompany

North American Producing Division New Mexiq-Arizona District Post Offic Box 1978 Roswell, New Mexico 88201 Telephone 505 622 4041



W. P. Tomlinson District Engineer

April 8, 1968

CO-OWNERS NORTH CROSSROADS UNIT

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Yours very truly,

W. P. Tomlinson

JLT:jcb

Agreed and Accepted this 9 day of APAIL, 1968.

MAILING LIST

Guif Oil Corporation P. O. Box 1938 Roswell, New Mexico 88201

Mobil Oil Corporation P. O. Box 633 Midland, Texas 79701

Skelly Oil Company P. O. Box 730 Hobbs, New Mexico 88240

Chase Petroleum Company 405 North Marienfeld Midland, Texas 79701

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Great Western Drilling Company P. O. Box 1659 Midland, Texas 79701 AtlanticRichtieldCompany

North American Producing Division
New Mey Arizona District
Post Offic Box 1978
Roswell, New Mexico 88201
Telephone 505 622 4041

W. P. Tomlinson District Engineer

April 8, 1968

CO-OWNERS NORTH CROSSROADS UNIT

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Your cooperation in this matter will be appreciated.

Yours very truly,

. Tomlinson

JLT: jcb

Agreed and Accepted this 10th day of April , 1968.

District Production Manager
Representing: GULF OIL CORPORATION

MATLING LIST

Gulf Oil Corporation P. O. Box 1938 Roswell, New Mexico 88201

Mobil Oil Corporation
P. O. Box 633
Midland, Texas
79701

Skelly Oil Company P. O. Box 730 Hobbs, New Mexico 88240

Chase Petroleum Company 405 North Marienfeld Midland, Texas 79701

Texas Pacific Oil Company
P. O. Box 4067
Midland, Texas
79701

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Midland, Texas
79701