CHAR 2773: Application of C. W. The Mark for approval of the <u>HUNG-</u> CONNEL UNIT AGREENET.

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0. Application, Transcripts, SMAll Exhibits ETC.

2773

September 9, 1970

Union 011 Company of California 300 Worth Carrino Street Midland, Temas 79701

> Re: HUME QUEEN UNIT AGREEMENT TERMINATION LEA COUNTY, NEW MEXICO

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710 SEP

ATTENTION: Mr. George D. Sennett

Gentlemen:

19.4

Your request received September 1, 1970, to terminate the Hume Queen Unit Agreement pursuant to Article 18.2 of said Unit Agreement for the Development and Operation of the Hume Queen Unit, is heady approved.

Enclosed are two executed copies of the Certificate of Termination as par your request.

The effective date of the taxaduation to be as of 7:00 a. m., Outober 1, 1970.

Cary Sculy yours,

- CORDON G. CARCOM, TI, Director

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NEW MBX	EXAMINER HEARING SANTA FE , NEW MEXICO REGISTER	ON
HEARING DATE M	ARCH 20, 1963 TIME:	9 A.M.
NAME :	REPRESENTING:	LOCATION:
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	BEFORE THE OIL CONSERVATION COMMISSION Santa Fe, New Mexico March 20, 1963
	EXAMINER HEARING
; ; ; ;	E MATTER OF: Application of C. W. Trainer for a unit agreement, Lea County, New Mexico. Applicant, in the above- styled case, seeks approval of the Hume-Queen Unit Area comprising 1,240 acres of State land in Township 16 South, Range 34 East, Lea County, New Mexico.
BEFOR	E: Elvis A. Utz, Examiner. TRANSCRIPT OF HEARING
	MR. UTZ: The Hearing will come to order. The first
case	on the docket will be 2773. FR. DURRETT: Application of C. W. Trainer for a unit
0.0300	
481.66	ment, Lea County, New Mexico. FR. MORRES: I am Richard Morris of the law firm of
Cond L.	
	Nontgomery, Rederded and Andrews, Santa Fe, New Mexico,
	ring on behalf of the applicant, C. W. Trainer.
	At this simple would like to move that this case be
	Itdated with Case Number 2774, for the purpose of the
Heari	
	Mt. 1996 Job Jupper 2773 and 2774 will be con-
solid	etal for the support of Hearing, only separate orders

DEARNLEY-INEIER REPORTING SERVICE, Inc. Albuouemoue, n. m. Phone 243 6661 FARMINEY-INEIER PHONE 383.3971 FARMINGTON, N. M.

will be made for the purpose of the record. Are there any other appearances in this case?

(No response.)

You may proceed.

MR. MORRIS: We will have one witness. O. K. Gilbreth. He will be sworn at this time.

(Witness sworn.)

O. K. GILBRETH

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

DIRECT EXAMINATION

BY MR. MORRIS:

o Mr. Gilbroth, please state your masse all present profession?

A My name is O. K. Gilbreth. I am a Petroleum Engineer front. W. Trainer of Hobbs.

C Would you state for the Examiner and the Commission,
briefly, your education and background in the petroleum industry?
A 1.1. Lanked from the Solution of Oklahome in June
of 1947 with a Backsley of Balance Legree in Petroleum Engineering.
I was amployed by Gulf Old Operation to regard of 1947 and
worked in various enginesses, entertates in Jack Source and New
Mosten. I preformed field work for Only to Backsle, Source, and
Fort Worth, Fexes. And, in 1905, was termsformed to Boswell, until.

DEARNLEY-MEIER REPORTING SERVICE, Inc. ALEVADUERIOUE, N. M. PHONE 243 6601 PHONE 243 6601



August of 1961, at which time I was transferred to Midland as District Engineer. I resigned from Gulf on May 1st, 1962 to accept a position with Rathwood Richard of Hobbs. I resigned on February 18th, 1962, to attend my present position with C. W. Trainer.

Q Are you familiar with the water flood application of C. W. Trainer in Cases 2773 and 2774 before the Examiner today?

A Yes, I am. Q What does Mr. Trainer seek by these two applications? A We are seeking approval of a unit agreement covering oil producing wells drilled in the Hume-Queen in Sections 7, 8, 9 and 17 of Township 16 South, Range 34 East in the unit agreement. Unit formations being brought about by an anticipating

Q For which you are also seeking approval in this action?

A That is right.

water injection project.

Q Mr. Gilbreth, referring now to what has been marked as Exhibit A in Clor 2773, would you atobe what that shows, please?

A Exhibit A is a cap of the Jume-Queen field showing the proposed unit outline in hashered lines around the unit area include all production wells and all dry wolld drilled in the Hume-Gueen field. On the exhibits, there are some numbers shown in circles. These are the tract numbers within the units.



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Inc.



All lands within the unit are State lands and you will notice along the Eastern edge of the field in the west half of Section 9, a couple of dry holes and to the northwest of that and in the eastern corner of Section 8, there is a dry hole and then to the south in Section 17 there is a dry hole. These dry holes are to be utilized in the injection pattern and we will cover discussion of those on subsequent exhibits.

Q Your proposed unit area for the Hume-Queen unit includes all of the wells that have been completed in the Hume-Queen Pool even though some of them are dry holes?

A That is right.

Q Do you have available to submit to the Examiner at this time a copy of the unit agreement for which you are seeking approval?

A Yes, sir, we have.

Q And, has that been marked as Exhibit B in this

case?

A It has,

Q Referring briefly to that unit agroement, what is the unitized substance in the agreement?

A The unit covers the Junar Formation and is described as the Queen sand formation committee at the area now known as the Trainer, Phillips 7. To general, it is the center of the Queen.

0 In other words, it is just the production from the we-Cueen Wells that is being unitized



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PHONE 325.



PAGES That is right, the Queen formation only. A And, who is designated as unit operator? C. C. W. Trainer is designated as unit operator. A ТА**R**иїнстон, н. н. Рноне 325-11**82** Is the agreement subject to the conservation laws Q and orders, rules and regulations of this Commission? Yes, sir. One section in the agreement provides A that "This agreement shall be subject to the conservation laws of the State of New Mexico; to the valid rules, regulations, and orders of the Oil Conservation Commission of New Mexico; and to all the other applicable federal, state, and municipal laws, rules, regulations and orders." 54MTA FE, N. M. HONE 983-397 How many working interests do you have within the ହ proposed unit area? There are 22 individual working interests in this A area. And, percentagewise, how many of those working interests ଚ do you have committed to the unit at this time? We have about 87.243 per cent. A ALBUQUERQUE, N. M. PHONE 243.6691 Move any contents interests absolutely refused to join (\cdot) your unit? Not at this point. We see hopeful that all the A remainder will join. Regotlations are shall in progress with the remaining \mathbb{Q}^{+} 13 some odd per cent?

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Do you have any overriding royalty interests in this Q area? Two. A What is their status with respect to joining? и, и. -1182 Q PHONE 325-We do not know at this point. They have given no A DEARNLEY-MEIER REPORTING SERVICE, Inc. indication that they will not join. Their ratification is actively being sought at this Q time? That is true. A I believe you said that all of the area in the unit ନ୍ଦ area is State land? \$ANTA FE, N. M. PHONE \$63-3971 That is correct. А Has approval been sought of the Land Office? Q Yes, sir, it has and the Land Office has given pre-A liminary approval of the agreement in a letter dated March 8th, 1963. 6 And, is that letter marked as Exhibit C in this case? A Yes, it is, ALBUOUEROUE, M. M. PHONE 243-6691 $\mathcal{L} \in$ What is the jist of that letter, We, Glibreth? This letter states as follows: "Dear Mr. Trainer: A This is to confirm our telephone conversation of this date by which we verbally approved the changes in the unit agreement form, as submitted in your letter dated March 6, 1963. "We approve your Nume-Queen waterflood as to the project also approve the unit spreement as to form and content



Signed Mrs. Marian M. Rhea, and the letterhead is "Office of the State Commissioner of Public Land."

Q Now, what steps will be taken to get a final approval of the Land Office?

A If we can secure the approval of the Commission and the necessary working unit owners, then we will secure approval of the Land Commissioner and file the estimate for record.

Q And, at that time, will you also plan to file executed copies of the unit agreement with the Commission?

A Yes, sir, we will.

Q Generally, Mr. Gilbreth, why do you believe that it is desirable to operate this area as a unit?

A Production is declining. We feel that something is necessary to augment production. A unit operation can be more economical. It can protect correlative rights and it can protect the interest owners for the benefit of the owners and the State of New Mexico.

C Furning now, tr. Allbreth, to the aspect of our case concerning the wotcoffood sector, it is. Thellows you stated earlier, that the waterflood project is to be operated within the proposed unit asea?

A Yes, sir, that to eight.

e to you have an exhibit abowing the constructions of the Hume-fueen roof in this unit area!

have proposed a map showing

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on the top of the Queen Porosity and that has been marked Figure No. 1.

Q In Case 2774?

A Yes, sir.

Q Would you explain that in detail?

A This is a structure map on top of the Queen Porosity covering all producing and dry holes in the Hume-Queen field. All wells to be included in the waterflood are shown on this map. Notice that the structure itself is a gentle nose, trending northeast. It has a maximum enclosure of approximately 35 feet. There is a slight dip in the western part of Section 8 in the vicinity of the Shell State Ellis Well. Production in the field is characterized by radical permeability and porosity developments with the outer edges of the field being characterized by rather tight sections and the central part of the field being quite permeable. The average permeability in the field is about 10.7 per cent. The average permeability about 44 millidancies and the field has an original RVF of 14.26. That is estimated.

Earlier, T mentioned the dry holes. You can bee from this map that the dry beloe are more on last domently. One dips produce water. To appears beinly 10 for the abstace of oil saturation that governs production. Gil contact appears to be 185. It is a solution gas drive reservoir.

Do you have a cross section prepared, canterest.

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through this field that would show the relationship of these dry holes perhaps a little bit better?

A Yes, sir.

Q And, that has been marked Exhibit No. 2 in this case? A Yes, it has. Exhibit 2 doesn't really show too much. It shows that the clay is continuous throughout. The reservoir has a thickness of approximately 20 feet and that there is very little relief. It does show that the pay exists in the dry hole on the eastern extremity of the cross section, Shell State Well No. 3.

Q The fact that it doesn't show much is the fact that we are trying to show, is that right?

A That is true. This is an east-west cross section through the contral part of the field.

Q Do you have some data, Mr. Gilbreth, to show the performance of this Nume-Queen Pool to the present time?

A Yes, I have prepared a production performance curve which has been warked Exhibit No. 3.

C Hould you go chead and explain that, please

In this is simply a cave showing a plot of the nonthly production rate variate that. Note the curve, yes can see that the initial production was obtained in November of 1956 and development was completed by 1959 and that the field reached a maximum producing rate of 10,600 baseds for could and has been dealining in the nove recent part. It is now preducing



N. M.



about 6300 barrels a month and the wells that are on decline, are declining at the average rate of 47 per cent per year.

Q Nr. Gilbreth, I see a little kick on this graph in the most recent period of production. Is there any reason for that upswing of production there?

A Yes, when unit negotiations started, there was some effort on behalf of some of the operators to maintain their production and some mechanical adjustments were made. There were no work overs. The little kick is due strictly to mechanical work. On the more recent production figures, it looks like the wells are continuing to decline or will continue to decline quite parallel to the trend that is drawn there. Q So that doesn't show any new well or new production in the wells?

A No.

Q Do you have anything elue to bring out with respect to Exhibit 39

A well, 346 like to point out that the decline rate In this field is very high, that in the satisfy of a very few years, the entire field with be at the economic limit. At the present time, raty of the wells are approaching that stage. () and, in this shear as to individual wells by your Exhibit No. 5:

A. Mary At Law

Would you explain that exhibit, plendet



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A Exhibit No. 4 is simply a map showing the January, 1963 daily average production rate under each well in the field. I'd like to call your particular attention to the edge wells along the west and northern side of the field. The economic limit in this field is around 2.3 to 2.4 barrels per day.

Q Let me interrupt you there. The figures shown by each well, is that wells daily average production during the month of January, 1963?

A That is right.

Q Go ahead.

A You will notice around the northern and western edges of the field, there are six wells now at the economic limit. Around the southern edge, there are two other wells approaching the economic limit. Through the center of the field, the wells have better productivity and in the eastern part, in the southeast quarter and the northeast quarter, production is even higher. This again is a reflection of the better permeability and better porosity in the field. For all the producing wells, the average creditains, rold is Convery was 12.59 barrele per day. c that is the average figure for the entire field for one day?

E. 185.

13. 172 - Mast was that figure?

A 11.23 backeds per day. There are only seven producing



N. M.



(By Mr. Morris) Looking at the pool as a whole, Mr. Gilbreth, would you classify production on this level as stripper production?

A Yes, I would, although, there are three or four wells that are still capable of producing reasonable quantities of oil. By far, the great majority of the Wells are in stripper stages and with the 47 per cent per year decline, it is obvious, that something needs to be done very soon to augment production.

The weils are drilled and cased in such a manner that it appears a waterflood project could efficiently be carried out here and the operators of waterflood rights in the field have agreed to a waterflood program.

Now, what type of waterflood program has been engineered for this pool, Mr. Gilbreth?

A de are proposing a peripheral-type injection program.

9 And, is this close on Zahibit No. 5 in this case?

A. 19.6, A. 19.

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defined in the State of a second second in all the wells defined in the State of a she proposed injection wells colored in sol, war not solve the she will be Sifetan injection wells and the predation with the of the injection wells to be new related wells. The can see from the pattern itself

direct or diagonal offset and in many eases, there are two that would effect the producing well.

Q Why was it felt that a peripheral-type flood would be more efficient in this pool than some other type of flood, such as a pattern-type flood?

A There are two reasons for this. First of all, a pattern type flood in this field, because it is long and narrow, would leave several incomplete patterns and as a result would leave considerable unswept areas with considerable low efficiency. Secondly, the more permeable and porous wells are in the center of the field and the tight wells are on the edge. It is our feeling that we can use mechanical means to put pressure to the reservoir to force the area over to the more permeable producing wells. Nowever, we don't believe the reservoir is true enough for water in the center to get production out of the edge wells.

Mow, there the melle to be defilled, one of them is located in the contrast quarter of the northwest quarter of Section B ref Standback to the northwest quarter of the southeast evolve of Deriving Pb

and the second second

The second is be defined it approved to given? A line work that be made that the second and the drilled, another the tag all guess hours and the second becould the tag also be belong the tag and the second house the



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Now, concerning the casing program on these injection wells, have you been in touch with the Office of the State Engineer, Frank Irby, concerning the casing program and the injection that is proposed here?

A Yes, sir, this has been discussed very briefly with Mr. Irby and then I furnished him a tabulation where the casing is set in all the wells and where the cement is used, with a copy of that being sent to the Commission.

MR. MORRIS: We ask that the Commission take note of the casing information that previously has been submitted.

Q (By Mr. Morris) Have you received and replied from the office of the State Engineer concerning your casing program?

We received a copy of a letter Mr. Irby sent to Mr. A Porter of the CCC which reads as follows: "Dear Mr. Porter: Reference is made to the application of C. W. Trainer for approval of the Hume-Queen Waterflood Project located in Township 16 South, Range 34 East. Reference is also made to a letter from Mr. C. V. Grainer under date of March 8, 1963 which verses to this Materfluod case as Number 2774. The latter to addresses to be and a copy has been such to your office, the anthor of sactor, essenting, tubing, injection, etc., and mak family in the labber and this office to the graphics of the application, provided offers no objection puelon and insertion sector on th Adda the easing, ែរ្ំ $\{ \{ i,j\} \}$





State Engineer, by Frank E. Trby, Chief, Mater Rights Division." \bigcirc Now, Mr. Gilbreth, is your injection pattern, I mean, your casing program on your injection wells to be in conformance with the information as submitted to the State Engineering FARMINGTON, N. M. PHONE 325-1182 Office? Δ Yas, sir, it is to be. 0 And, has that letter from Mr. Tuby to Mr. Porter been marked as Exhibit 6 in this case? ۵ Mes, it has. \cap What would be your plans, Mr. Gilbreth, with respect to putting these wells on injection? Would they all be put on BANTA FE, N. M. PHONE 003-3071 injection at the same time or would they be staggered? Yes, we propose to put all the wells on injection at Δ the same time in order to carry an even flood bank. The pattern itself, of course, is similar to two line drive pattern. We feel it is necessary to earry this continuity on through. This is not damand is a percenteral-type flood to put all the wells or induction at the same bine? ALBUQUEROUE, N. M. PHONE 243-6691 Mc. 11 to wet Thet is the cathering ante of miner. Stions? the or or of for interior of oil or dry during the Have and after stations, as anticipate to the educ perfor- $\odot f'$ from 200 to 200 beem to a top. For tong do you entry she for app

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Have you given consideration to the operation of this waterflood project under Rule No. 701 of the Commission's rules and regulations?

A Yes, we have. We feel that we can operate under provisions of Rule 701. After production response is obtained, we feel that it will be necessary to curtail injection slightly for a period of approximately a year to a year and a half in order to stay within the limits. It is not a significant curtailment. According to my calculations, Rule 701 would give an allowance for the project of 700 EWPD for the seven injection wells and the nine producing wells.

Q This is information shown graphically on Exhibit No.
7?

A Teo, Exhibit No. 7 shows beannually production performance at the estimated secondary production performance. You will note shown on the curve during the year 1965, there would be sense ourself rest of production to stay within the limite of function.

the areas

ALBUOUENQUE, N. H.

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our project will recover approximately two times primary.

PAGE 18

Q Certainly, then, Mr. Gilbreth, the operation of this project would recover oil not otherwise recoverable and thereby prevent waste?

A Yes, it would.

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ALBUQUERQUE, N. M. PHONE 243.6691

Q Other than the letters that we have referred to here, were all of the other exhibits prepared by you or under your direction?

A Yes, they were.

MR. MORRIS: At this time, we offer Exhibits A, B and C in Case No. 2773 and Exhibits 1 through 7 in Case No. 2774 and that completes the Direct Examination of Nr. Gilbreth.

MR. UTZ: The exhibits as stated by counsel will be accepted by the Commission as a part of this record. Is that all you have?

NR. MORRIS: That is all I have.

MR. UTZ: Are there any questions of this witness?

CROSS EXAMINATION

BY MR. DURRETT:

Q Yes, (have a question. Does your agreement have an agreement for subsequent joinder of parties?

A do, ote, the agreement does and save the normal provision. It almost states that any subsequent addition to the unit will be on a basis negotiated by the unit operators and the new people

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A state of the Sources.

wells anywhere except the tabulations you furnished the State Engineering Office? MR. MORRIS: They are listed in the application in N. N. this case. 325-MR. UTZ: There are 15 wells listed in the application? А Yes. MR. UTZ: Are those locations correct? А Yes. MR. UTZ: Out of the 9 wells that you intend to produce here, there appears to be about 4 pretty good wells, two of which are almost top allowable wells? ANTA PC, H. H. Yes, that is true. Α NR. UTZ: How old are those Phillips State Trainer Wells? I believe they were drilled in late 1956 and early Α 1957. MR. UMZ: Are those wells increasing in producing ability along the lines that you have shown on your Exhibit ALBUQUEROUE, N. H. 30. 30 The netty are comparing in capacity, Ve. 162. The councity is still very each buy allowable but they are sight st the edge of feelture. THE BYZE MAR AND THE PARA PLAN THEY THE AS THE LARSE of decline?

DEARNLEY-MEIER REPORTING SERVICE, Inc.



what they were capable of doing last year wide open and what they are doing now wide open. MR. UTZ: Do you have any information as to what they declined to? 1 HOTON, JE 325 I don't have it with me. Δ MR. UTZ: Would you furnish that information to the Commission? Yes. A MR. MORRIS: Particularly what well? MR. UTZ: All the wells on the Phillips State Lease. I won't ask you to delve into the Shell wells. It's only 23 BANTA FE, N. M. PHONE 985-397 barrels per day. My projections on that lease indicate it should start Â dropping down very rapidly after about May. MR. UMZ: On your tabulation that you sent the State Engineer's Office, I notice 13 wells listed there. That does not include the 2 wells to be driven? A GUSS AND. Å it is another a the site of the computed in ALBUQUERQUE, N. N PHONE 243.6691 accordance, generally in accordance with the convolting program adadoi in Gaada IS geller That is true - then will be delived through, exact, ś. complet and then carforeled. MR. MMR: And the top of the control is all (adds MM

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		Â	Yes, sir.
			MR. UTZ: And that will be true on the 2 new wells?
I		A	Yes, sir.
* <u>N</u>			MR. UTZ: And you intend to inject through tubing?
		A	Yes, we feel that a good amount of pressure after
	f 111-	-up1	we figure 32,000 pounds of fill-up. We can't go to
	that	but	that is the estimate.
			ER. UTZ: All these casings run through pay?
		A	Yes, all except the Shell W No. 1. The casing has
	been.	pull	ed through that. We have to run casing again and cemen
_			MR. UTZ: Do you intend to run that casing through
. N. N. 83.397	the p	p ay ?	
g Inoha g Inoha		A	Y es , sir.
- E			NR. UTZ: And, you will get a packer above
	casi	ng?	
		A	Yes, sir.
			MR. MEZ: Will you use anything else?
		Å	Probably (meet water or treated oil but we will have
и. н. 6691	some	thing	; la che prekente.
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around 4700 barrels, is that correct? A Yes. MR. UTZ: Is that per day or month? Per month, yes. A MR. UTZ: And, on your waterflood project, you have stopped it at around 800 barrels per day? That is true. A MR. UTZ: Now, is that when you intend to abandon this project, at the 800 barrels a day? A That is when we feel that the economic limit will be reached. The economic limit under flood would be considerably higher than under primary. MR. UTZ: It would be twice as much? Yes, sir. When you get down to that stage, there Α will not be too many wells operating in that stage. There is only 27 barrels a day operating in the whole field, something in that neighborhood. MR. UTZ: Any other questions of the witness? (No response.) If there are no further questions, the witness may be excused. Are there any statements to be made in Cases No. 2773 and 2774?

MA. DURREAT: If the Commission please, I have some correspondence that I would like to read into the record.

MR. (712: -- You may do so.



MR. DURRETT: Thank you. I would like to state that we have received a telegram from Cities Service Oil Company, and also received a telegram from Shell Oil Company stating that they support the application in both cases. Commission has also received a letter from Pure Oil Company stating that they support the application in both cases. These letters will be placed in the file and will be available if anyone desires to read them in their entirety.

MR. UTZ: Are there any other statements to be made? The cases will be taken under advisement.

DEARNLEY-MEIER REPORTING SERVICE, Inc. Albuoueroue, N. M. PHONE 243.6691 PHONE 243.6691 PHONE 243.6691 PHONE 243.6691 PHONE 243.6691 PHONE 243.6691

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PAGE 24 STATE OF NEW MEXICO 88 COUNTY OF BERNALILLO) I, STEVEN McCRYSTAL, Court Reporter, do hereby certify that FARMINGTON, N. M. PHONE 325.1182 the foregoing and attached transcript of proceedings before the New Mexico Oil Conservation Commission of Santa Fe, New Mexico, DEARNLEY-MEIER REPORTING SERVICE, Inc. is a true and correct record to the best of my knowledge, skill and ability. IN WITNESS WHEREOF, I have affixed my hand and notarial ay of seal this , 1963. BANTA FE, N. M. PHONE 983-3971 (4) las NOTARY PUBLIC COURT REPORTER My Commission Expires: ALBUQUEROUE, N. M. PHONE 243-6691 I do heroby certify that the foregoing as a complete record of the providings in the Examiner heart 0188 No. 2. 2. 7. 3 ... heard by me one Alla 1063 New Mexico Oil Conservation Commission ... Examiner

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	EXAMINER HEARING	
	SANTA FE , NEW MEXICO	
	REGISTER	
HEARING DATE M	ARCH 20, 1963 TIME:	9 A.M.
NAME:	REPRESENTING:	LOCATION:
O KGelbreth tr	COUTRONE	Noth
C. W. Trainer	S+1f	Hobbs
T.P. ST. DEKMAR	COMPASS EXPL	DENVER
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	NEW	MEXICO OIL CONSERVATION		
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	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	2003	TUES	001.		
South Production Northly Production Doilly Avg. Production Monthly Allowable Doilly Avg. Allowable	2,178 70 5,208 168	1,791 64 4,704 168	l,848 60 5,208 168	1,785 60 5,040 168	1,322 43 5,208 168		國大臣中	°70 Jun				.
Since Discovery Since Unifization Nonthly Pipeline Runs	1,243,985 786,021 2,205	1,245,776 787,812 1,854	1,247,624 789,560 1,756	1,249,409 791,445 1,899	1,250,731 1,252,053 1,254			·				
MATER FRODUCTION, BARRELS Monthly Production Daily Avg. Production	46,121 1,488	38,224 1,365	38,798 1,252	34,505 1,150	26,190 845							
Cumulative Prod. Since Unitization Average Unit Cut	2,817,587 95 %	2,855,811 96%	2,894,609 95 %	2,929,114 95%	2,955,304 95%		÷					
<u>GAS_FREDUCTION, MOF</u> Monthly Production Gas_Sales Vented												
<u>AATER INJECTION, BARRELS</u> Monthly Injection Daily Avg. Injection Cumulative Injection Daily Avg. Inj. Fer Well	64,944 2,095 7,397,794 150	40,900 1,461 7,434,100 104	39,379 1,270 7,473,479 91	36,034 1,201 7,509,513 86	29,290 945 7,538,803 68							
<u>WELL STATUS</u> Pumping Water Injection	ک 4	14	7 4	-V 4	44							
Injectors					- 2							
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An Let Country, How Meyron 3,000 $3,492$ $3,395$ 110 3,000 126 $3,492$ $3,355$ 110 $3,000$ 126 $5,600$ $5,626$ $5,626$ $2,773$ $2,773$ $3,000$ 106 $5,626$ $5,626$ $5,626$ $5,626$ $2,773$ $2,773$ $2,773$ $3,000$ 106 $5,626$ $5,626$ $5,626$ $5,626$ $5,720$ $2,773$	<u></u>						2 -	N –	N -	N –	Producers Injectors Total Excluding Water
An Let Convert Hulf STATISTICAL For Merrice JUNE JUNE JUNE JUNE 33,000 $3,492$ $2,355$ 103 $2,703$ $2,703$ $2,713$ $2,7$					5.0	ر 4	ស៊ីហ	ស៊ីហ	ο Ω	ធីភ	Purping Purping Votor Tajection Shut In
Arr Less Country, Haw Mexico 27. Less Country, Haw Mexico 27. Space	······································	93,350 3,212 7,107,310 229		111,520 Z,597 ,903,000 257	102,400 2,405 792,480 244		105,250 3,503 590,740 270	<u>.</u>	92,900 3,318 6,381,240 255	105,300 3,429 5,282,340 264	Main Investion <u>Evenus</u> Testibly Injection 2 Try Avg. Injection 2. Try Avg. Injection 2. Try Avg. Inj. Fer Well
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Alt Less Ocumity, Now Maxico 27. STATISTICAL SINANT JUNE JULY Aus JAMARCH AFRIL IMAY JUNE JULY Aus JAMARCH I.210, 593 1,222,933 1,223,935 1,233 2,373 2,373 J.216,101 J.216,163 J.223 J.233 J.233 J.233 J.233 J.233 J.233 J.233 <td></td> <td></td> <td></td> <td>673 922</td> <td></td> <td></td> <td></td> <td>\$16 \$22,52 \$22,1 \$22,5 \$20,5 \$</td> <td>35,753 1,277 2,385,665 91%</td> <td>د. 1,363 2,359,907 91%</td> <td>Alter grantfor Pittars</td>				673 922				\$16 \$22,52 \$22,1 \$22,5 \$20,5 \$	35,753 1,277 2,385,665 91 %	د. 1,363 2,359,907 91%	Alter grantfor Pittars
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AL LET COUNTY, NOW MOXICO 77 LETATIONISTICAL SUMMER STATISTICAL SUMMER JANOCH AFRIL MAY JUNE JULY			2,795 90 5,808 183	2, 473 	2025 00055 2025 2025	دی درجار درما درمار درمار درمار درمار درمار درمار درمار مرمار مرمار مرمار مرمار مرمار ممار مرمار درمار مرمار مرمارمار ممار م	3,492 5,640 103	•1	3,684 132 8,540 305	4,094 132 9,455 305	CH Fry Dia 1, Daries Carly Avg. Bradaction Daily Avg. Bradaction Daily Trg. Allo (21) Daily Trg. Allo (21)
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	Shut In Producers Injectors Total Excluding Water Supply Water Supply	<u>WELL STATUS</u> Pumping Water Injection	WATER INJECTION, EARRELS Monthly Injection Daily Avg. Injection Cumulative Injection Daily Avg. Inj. Per Well	<u>GAS PRODUCTION, MCF</u> Monthly Production Gas Sales Vented	Unitization Average Unit Cut	WATER PRODUCTION, BARRELS Monthly Production Daily Avg. Production	Since Discovery Since Unitization Monthly Pipeline Runs	Oll FRODUCTION, BARRELS Monthly Production Daily Avg. Production Monthly Allowable Daily Avg. Allowable		
	2 2 2 -	ធី ហ	106,300 3,429 6,288,340 264	000	2,349,907 91 %	42,409 1,368	1,208,524 746,060 4,103	4,094 132 9,455 305	JAN.	
	N ² N- i	ل ا ب	92,900 3,318 6,381,240 255	000	2,385,665 91 %	35,758 1,277	1,212,208 749,744 3,544	3,684 132 8,540 305	FEB.	
	N <mark>N</mark> N-	ធ ភ	104,250 3,363 6,485,490 260	000	2,426,744	41,079 1,325	1,216,101 758,137 3,952	3,893 126 30,455 30,5	MARCH	
	2 ² 2-	ើច	105,250 3,508 6,590,740 270	000	2,468,804 92 %	42,050 1,402	1,219,593 761,629 3,499	3,492 116 5,640 188	APRIL	Lea Cour STALLS
	» <u>» </u>		100,340 3,237 6,691,080 231	000	2,513,289 93\$	44,485 1,435	1,222,949 764,985 3,406	3,356 108 5,828 188	MAY	HUME CUEEN UNIT ea County, New Mexico STATUSTICAL SUMMARY 1969
	2 <mark>2</mark>	- U	102,400 3,413 6,793,480 244	000	2,555,319	42,030 1,401	1,226,242 768,278 3,305	3,293 110 5,640 188	JUNE	
	N	ا 4	111,520 3,597 6,905,000 257	000	2,599,994 94%	44,675 1,441	1,229,220 771,256 2,773	2,976 96 5,828 188	JULY	
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									OCT.	Union Oil U 210 Lovin
-									1104.	n Oil Company of Cal Unit Operator 210 East Ave. "O" Lovington, Nev Mext
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WELL STATUS Pumping Water Injection Shut In Producers Injectors Total Excluding Water Supply Water Supply	ION. BARRELS njection Injection Injection Inj. Per Well	WATER PRODUCTION. BARRELS Monthly Production Daily Avg. Production Cumulative Prod. Since Unitization Average Unit Cut GAS PRODUCTION. MCE Monthly Production	OLL FRODUCTION, BARRELS Monthly Production Daily Avg. Production Monthly Allowable Daily Avg. Allowable Cumulative Production Since Discovery Since Unitization Monthly Pipeline Runs	
N ^N N- 55		42,409 1,368 2,349,907 918	4,094 132 9,455 305 1,208,524 746,060 4,103	JAN.
			3,684 132 8,540 305 1,212,208 1,212,208 749,744 3,544	FEB.
N ^N N - 5151				MARCH
N ^N N- 50	0 0 105,250 3,508 6,590,740 270	42,060 1,402 2,468,804 92 \$ 0	3,492 116 5,640 188 1,219,593 761,629 3,499	Lea Cour SIATLS
N	0 0 100,340 3,237 6,691,080 231	44,485 1,435 2,513,289 93 %	3,356 108 5,828 188 1,222,949 764,985 3,406	HUME CUEEN UNLT ea County, New Mexico STATISTICAL SUMMARY 1969 RIL MAY JI
			(<u>N</u> -2	UNE
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				Aug.
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				Union Oil (210 Leving OCT.
				Oil Company of Ca Unit Operator 210 East Ave. "O Lovington, New Mex CT. NOV.
				California or "o" Mexino Mexino
	jection 13 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	CTION: EMPRILE 42,400 33,758 41,079 42,060 44,485 p: Froduction 1,366 1,277 1,325 1,402 1,435 unit Cut 2,349,907 2,385,665 2,425,774 2,425 1,402 1,435 Unit Cut 0 0 0 0 0 0 0 nit Fourtion 2,385,665 2,425,774 2,468,800 2,513,289 1,435 Unit Cut 0 1	Fronzistan Fronzistan 4,094 (Journal) 3,692 (Journal) 3,893 (Journal) 3,492 (Journal) 3,395 (Journal) 3,395 (Journal) Allowable variation (Josepter) 9,455 (Journal) 0,460 (Journal) 0,460 (Journal) 0,460 (Journal) 3,492 (Journal) 3,395 (Journal) 3,492 (Journal) 3,395 (Journal) 3,495 (Journal) 3,495 (Journal) 3,495 (Journal) 3,495 (Journal) 2,448 (Journal) 4,4485 (Journal) 4,4485 (Journal)

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	JAN.	FEB.	MARCH	AFRIL	MAY	JUNE	, אחרג	AUG.	SEPT.	001.	1:0V.	
CIL FRODUCTION, BARRELS Nonthiv Production	4,094	3,684	569 , 2	3,492								
Daily Avg. Production	9,455	A-540	9.455	5.640								
Daily Avg. Allowable	305	305	305	188								
Cumulative Production		• •		1								
Since Discovery	1,208,524	1,212,208	101,216,101 758,137	1,219,593 761,629								
Monthly Pipeline Runs	4,103	3,544	3,952	3,499							 -	
WATER PRODUCTION, BARRELS	A3 A00	א ת ת ס										
Daily Avg. Production Cumulative Prod. Since	368 و ا	1,277	+1,077 1,325	42,000 1,402			. <u></u>			-	50 50 10	MAY 28 11 8 8
	2,349,907 91 %	2,385,665 91 %	2,426,744 91 %	2,468,804 92 \$								
GAS PRODUCTION. MCF Monthly Production Gas Sales Vented	000	600	000	000						•	· · · · · · · · ·	
WATER INJECTION, BARRELS Monthly Injection Daily Avg. Injection Cumulative Injection Datly Avg. Inj. Per Well	106,300 3,429 6,288,340 264	92,900 3,318 6,381,240 255	104,250 3,363 6,485,490 260	105,250 3,508 6,590,740 270		······································	<u></u>					
WELL STATUS Pumping	آن آن	- -	ើល	ت ت								
Producers			_	-								
Injectors	2	2	2	2		<u> </u>						
Supply	21	21	21	21								
Water Supply	2	2	2	2		-						
					5							
	lotal Excluding Water Supply Ther Supply	ectors	WELL STATUS Pumping Water Injection Shut In	<u>WATER INJECTION, BARRELS</u> Monthly Injection Daily Avg. Injection Cumulative Injection Daily Avg. Inj. Per Well	<u>GAS PRODUCTION, MCF</u> Monthly Production Gas Sales Vented	Cumulative Prod. Since Unitization Average Unit Cut	WATER PRODUCTION, BARRELS Monthly Production Daily Avg. Production	Cumulative Producti on Since Discov ery Since Unitization Monthly Pipelin e Runs	<u>OIL PRODUCTION, BARRELS</u> Monthly Production Daily Avg. Production Monthly Allowable Daily Avg. Allowable			
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	21 2	0 20	л -	92,807 2,994 5,047,225 214	000	1,825,184 84 %	43,030 1,388	1,134,450 671,986 7,939	7,916 255 13,144 424	JAN.		
_	21	0-	ড় ড	101,731 3,508 5,148,956 234	000	1,871,265 85 \$	46,081 1,589	1,142,742 680,278 8,307	8,292 286 12,296 424	FEB.		
Unitized:	21 2	0-	ភ ី ហ	113,094 3,648 5,262,050 243	000	1,916,565 84 \$	45,300 1,461	1,150,820 688,356 ?,999	8,078 261 13,144 424	MAR.		
Kay L,	21 2	0-	55	100,736 3,358 5,362,786 224	000	1,954,648 84 \$	38,283 1,276	1,158,015 695,551 7,260	7,195 240 9,150 305	APR.	S.	
1963	21 2	0-	ចីថ	108,866 3,512 5,471,652 234	00 0	1,995,925 86 \$	41,077	1,164,934 702,470 6,803	6,919 223 9,455 305	MAY	HUME OUEEN UNIT 32 County, New Mexico STATISTICAL SUMMARY	
	21 2		1- 5	102,388 3,413 5,574,040 244	000	2,037,107 85 %	41,182 1,373	1,172,004 709,540 7,062	7,070 236 9,150 305	JUNE	<u>I UNI T</u> SUMMARY	
Water Injec	21 2		្រី ប 4 ប	104,351 3,356 5,678,401 2.40	000	2,081,839 87 %	44,782 I,445	1,178,847 716,383 6,978	96 3055-30 555-30	JULY	ोन छ 4 6	
Water Injection 2ogan:	21 2		- 7 4	.95,251 3,073 5,773,652 220	000	2,128,103 89 %	46,214 1,491	1,184,701 722,237 5,683	5,854 189 9,455 305	AUG.		
Way 24, 1963	21		م 4	107,620 3,587 5,881,272 256	000	2,173,58 <u>3</u> 90 1	45,480 1,516	1,189,922 727,458 4,857	5,221 174 9,150 305	SEPT.	Union Oil. 21 Lovi	
063	21		ب ک	106,415 3,433 5,987,687 245	000	2,218,022 90 %	44,439 1,434	1,194,873 732,409 5,424	4,951 160 9,455 305	OCT.	Union Oil.Company of California Unit Operator 210 East Ave. "O" Lovington, New Mexico	
										NOV.	California ntor "0" Mexico	
						<u></u>				DEC.		

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	Supply	Frequeers Injustors Total (Excluding Nater	ELL STATUS Pumping Weter injection Shut in		ATER INTECTION, BARRELS Monthly Injection Daily rog. Injection Conclustive Injection Daily Ave. Intection Par-	AS <u>rectustion</u> , <u>Hor</u> Montuly Production Set Siles Vented	Averess Chit Out	ATER INCLUSION, STARELS Monthly Production Opiny Average Production Curulative Production Stare	Stace Discovery Stace Unitization Monthly Figeling Runs	Nonthly Production Daily Average Production Nonthly Allowable Daily Average Allowable Cumulative Production	11 100000000000000000000000000000000000
Unitized: May	N -	00	ی ټر ۵	243	100,134 2,230 2,919,223	52 52 0	1,143,239	72,044 2,324	1,034,408 571,964 12,327	11,513 371 27,404 884	, Jan.
- May 1, 1963	N <mark>N</mark>	00	۵ يا	269	97,531 37,531 3,499 4,017,204	, 52 0	1,212,475	69,237 2,473	1,044,278 581,334 9,638	9,870 352 24,752 234	-
	21	0 -	7	259	104,274 3,364 4,121,473	27 27 0	1,287,520 89%	75,104 2,423	1,053,245 591,401 9,796	9,567 309 27,404 884	Mar
dator	22	0-	13	207	80,635 2,688 4,202,113	23 23	1,359,434 88%	71,904 2,397	1,063,940 601,496 10,178	10,095 336 26,520 884	Lea Cou <u>STAT</u>
or Injection	2-	00	14	187	81,066 2,615 4,283,179	000	1,432,453 89%	72,974 2,354	1,073,160 610,716 9,172	9,220 297 27,404 284	May
	21	00	7] 4	269	113,086 3,770 ,396,265	000	1,494,888 86%	62,430 2,031	613,902 7,960	8,186 273 12,720 424	Dec 27 An
1	22	00	4	224	97,169 3,134 4,493,434	000	1,565,280 803	70,401 2,271	1,089,051 627,217 3,552	0,315 268 13,144 424	y lut
	N	0.0	1. 7	25S	111,021 3,501 4,604,455	000	1,652,879 302	67,590 2,180	1,027,402 634,950 7,715	7,77.1 250 13,144 424	Union Ci I 210 Lov
	2 12	ON	<u>⊼</u> տ	(J) (J) (D)	65,391 2,180 2,005,016	000	\$\$05,020,1 \$\$05,020,1	32,170 1,072	1,105,207 642,763 7,605	7, 805 260 12, 720 424	urt Guapary Said Oper 210 Cast Ave Lovington, Ru Lovington, Ru
	N N	ON	7 . VI	2:5	95,215 3,071 5,052	000	1,705,922 35,2	40,074	1,112,573 650,107 7,179	7,541 257 13,144 425	A Cultion as recent recar A Most co
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	Supply) Supply Water Supply	Producers lajectors	<u>LL_STATUS</u> Fumping Water injection Shut In	c]	WATER LUJECTION, BARRELS Nonthly Injection Daily Avg. Injection Cumulative Injection Daily Avg. Injection Per	<u>AS FRODUCTION, NOF</u> Monthly Production Gas Sales Vented	Unitization Average Unit Cut	<u>WATER FREDUCTION, BARRELS</u> Monthly Production Daily Average Froduction Cumulative Production Since	Since Discovery Since Unitization Monthly Pipeline Runs	Sonthly Production Daily Average Production Monthly Allowable Daily Average Allowable Cumulative Production	FRODUCTION, FARRELS
Unitized:	2-2-	00	8	248	100,134 3,230 3,919,223	53 0	1,143,239 86%	72,044 2,324	1,034,408 571,964 12,327	11,513 371 27,404 884	
: May 1. 1963	21	00	3 E	269	97,981 3,499 4,017,204	, 52 0	1,212,476 87%	69,237 2,473	1,044,278 581,834 9,638	9,870 352 24,752 884	1.601
	21	0-	۲ کرا	259	104,274 3,364 4,121,478	27 27 0	1,287,580 89%	75,104 2,423	1,053,845 591,401 9,796	9,567 309 27,404 884	Mar.
A lation	22	0-	7	207	80,635 2,688 4,202,113	23 23 0	1,359,484 88%	71,904 2,397	1,063,940 601,496 10,178	10,095 336 26,520 864	Mpr
	212	00	۲4 ۲4	187	81,066 2,615 4,283,179	000	1,432,458 892	72,974 2,354	1,073,160 610,716 9,172	9,220 297 27,404 884	Mav/
	NN	00	F J	269	113,086 3,770 4,396,265	000	1,494,883 88%	62,430 2,081	1,081,346 618,902 7,960	8, 186 273 12, 720 424	oun
Mar. 37 1057	21	00		224	97,169 3,134 4,493,434	000	ر265,283 ا 89%	70,401 2,271	1,089,651 627,217 8,552	8,315 265 13,144 424	July
	2	00	44	256	111,021 3,581 4,604,455	000	1,632,879 90%	67,590 2,180	1,097,402 634,958 7,716	7,741 250 13,144 424	Aug.
	21	ON	م 4	156	65,391 2,180 4,669,846	000	1,665,049 80%	32,170 1,072	1,105,207 642,763 7,805	7,805 260 12,720 424	Sept.
						•					Oct.

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Lea Courty, New Merico STATISTICAL SUMMARY 1957

Union Oil Company of California Unit+Operator 210 East Ave. Mom Lovington, New Mexico

	Supply) Nator Supply	Producers Injectors Tetal (Excluding Water	<u>Putping</u> Putping Autor Injection Shut In	4e11	<u>AATER LUFECTION, EARRELS</u> Nonthly Injection Doily Avg. Injection Cumulative Injection Doily Avg. Injection Per	<u>PAS FRODUCTION, NCF</u> Monthly Freduction Gus Sales Vented	Unitization Average Unit Cut	ATER FRODUCTION, DARRELS Monthly Production Doily Average Froduction Cumulative Production Since	Since Discovery Since Unitization Monthly Fipeline Runs	aily Producting Average Anthly Average Anthly Allowed Ally Average	IL FRODUCTION. PARRELS
Unitized:	22	00	85	248	100,134 3,230 3,919,223	52 52	1,143,239 86,5	72,044 2,324	1,034,408 571,964 12,327	11,513 371 27,404 884	Jan,
May 1, 1963	N ²	00		269	97,981 3,499 4,017,204	, 52 0	1,212,476	69,237 2,473	1,044,278 581,834 9,638	9,870 352 24,752 884	Feb
53	2	0-	۲ ۲	259	104,274 3,364 4,121,478	27 27 0	1,287,530 89 \$	75, 104 2, 423	1,053,845 591,401 9,796	9,567 309 27,404 884	Mar.
Nater	21	0-	7	207	80,635 2,688 4,202,113	23 0	1,359,484 88%	71,904 2,397	1,063,940 601,496 10,178	10,095 336 26,520 884	Apr.
er Injection Began:	21	00	7	187	81,066 2,615 4,283,179	000	1,432,453 897	72,974 2,354	1,073,160 610,716 9,172	9,220 297 27,404 284	Мау
Í	N N	00	<u>۲-4</u>	269	113,086 3,770 4,396,265	000	1,494,88:3 88;5	62,430 2,081	1,081,345 618,902 7,960	8, 186 273 12, 722 424	June
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Lea County, New Mexico STATISTICAL SUMMARY 1967

Union Oil Company of California Unit Operator 210 East Ave. "O" Lovington, New Mexico

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HUME QUEEN UNIT Lea County, New Mexico STATISTICAL SUMMARY 1967

Union Oil Company of Callfornia Unit Operator 210 East Avenue "C" Lovington, New Mexico

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HUME QUEEN UNIT Lea County, New Nexico STATISTICAL SUMMARY 1967

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Unitized: May 1, 1963 Nator Injection Degan: May 24, 1963

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HUME QUEEN UNIT STATISTICAL SUMMARY DECEMBER, 1966

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1.	<u>Oil Production</u>	December	November
	Monthly Production	10,504	10,244
	Daily Average Production	339	341
	Monthly Allowable	27,404	26,460
	Daily Average Allowable	882	882
	Cumulative Production Since		
	Unitization	560,451	549,947
п.	Water Production		
	Monthly Production	58,192	47,497
	Daily Average Production	1,877	1,532
	Cumulative Production Since		
	Unitization	1,071,195	500,1060 ا
	Average Unit Cut	85	82
ш.	Gas Production		
	Monthly Production	47	248
	Sold To Phillips	47	248
	Vented	0	0
۱۷.	Hater Injection		
	Monthly Volume Injected	82,155	93,567
	Daily Average injected volume	2,650	3,119
	Cumulative Volume Injected	3,819,089	3,736,934
	No. of Injection Wells	13	13
	Daily Average Injection Volumo		
	Per Well	204	240
۷.	<u>Well Status</u>		
	Pumping	8	8
	Shut In	0	0
	Water Injection	+3	13
	Total (Excluding Water Supply And		
	Abandoned)	21	21
	Water Supply	2	2

HUME QUEEN UNIT REPORT OF OPERATIONS SEPTEMBER, 1966

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UNION OIL COMPANY OF CALIFORNIA

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HUME ÇUEEN UNIT STATISTICAL SUMMARY SEPTEMBER, 1966

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١.	<u>Oil Production</u>	August	<u>Septembar</u>
	Monthly Production Daily Average Production Monthly Allowable Daily Average Allowable Cumulative Production Since Unitization	11,010 355 27,342 882 515,346	12,738 424 20,286 676 528,084
н.	water Production		
	Monthly Production Daily Average Production Cumulative Production Since	33,325 1,075	65,1 3 6 2,171
	Unitization Average Unit Cut	881,868 75	94 7, 004 84
111.	<u>Gas</u> Production		
	Monthly Production Sold To Phillips Vented	200 200 0	314 314 0
1V.	water Injection		
	Monthly Volume Injected Daily Average Injected Volume Cumulative Volume Injected No. of Injection Wells Daily Average Injection Volume Per Well	108,641 3,505 3,485,131 13 270	67,520 2,250 3,548,174 13 173
<i>V</i> .	Nell Status		
	Pumping Shut In Water Injection	8 0 13	8 0 13
	Total (Excluding Water Supply And Abandoned) Water Supply	21 2	21 2

HUME QUEEN UNIT

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AUGUST, 1966

UNION OIL COMPANY OF CALIFORNIA

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HUME QUEEN UNIT STATISTICAL SUMMARY AUGUST, 1966

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ł.	<u>Oil Production</u>	July	August
	Monthly Production Daily Average Production Monthly Allowable Daily Average Allowable Cumulative Production Since Unitization	11,478 370 27,342 382 504,336	11,010 355 27,342 882 515,346
11.	Water Production		
·	Nonthly Production Daily Average Production Cumulative Production Since	47,642 1,537	33,325 1,075
	Unitization Average Unit Cut	848 , 543 80	88 1,8 68 75
111.	Gas Production		
	Monthly Production Sold To Phillips Vented	732 732 0	200 200 0
ιν.	Later Injection		
	Monthly Volume Injected Daily Average Injected Volume Cumulative Volume Injected No. of Injection Wells Daily Average Injection Volume Per Well	74,697 2,409 3,376,490 13 185	108,641 3,505 3,485,131 13 2 7 0
ν.	Lett Status		
	Pumping Shut In Nater Injection Total (Excluding Water Supply And	8 0 13	8 0 13
	Abandoned) Water Supply	21 2	21 2

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April 16, 1963

Mr. C. W. Trainer P. O. Box 2222 Hobbs, New Mexico

> Re: Hume Queen Unit, Lea County, New Mexico

. . . .

2773

Dear Mr. Trainer:

The Commissioner of Public Lands has approved as of April 16, 1963, the flume Queen Unit, Lea County, New Mexico.

We are enclosing five originally approved Certificates of this Agreement, also Official Receipt in the amount of twenty (\$20.00) dollars which covers the filing fee.

Very truly yours,

E. S. JOHNNY WALKER COMMUNITORIE OF PUBLIC LANDS

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(Mars.) Marine M. Rhea, Supervisor and e Division

BSW/mar/e

oaxul a

cc: Oil Commission Commission Suble Mc, new McLice

DOVERNOR JACK M. CAMPBELL CHAIRMAN

State of New Mexico Gil Conservation Commission



R. D. BOX 871 BANTA FE March 27, 1963 STATE BEOLDSIST A. L. PORTER, JR. SECRETARY - DIRECTOR

Mr. Richard S. Morris Re: (Seth, Montgomery, Federici & Andrews (Attorneys at Law Box 828 Santa Fe, New Mexico

Case No. 2773 and 2774 Order No. R-2454 and R-2455 Applicant:

C. W. Trainer

.**

Dear Sir:

LAND COMMISSIONER

E. S. JOHNNY WALKER

MEMBER

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

ir/

Carbon copy of order also sent to: Hobbs OCC _____ Artesia OCC _____ Astec OCC _____ OTHER_____

BEFORE THE OIL CONSERVATION CONMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING CALLED BY THE OIL COMBERVATION CONNISSION OF NEW NEXICO FOR THE FURPOSS OF CONSIDERING:

CASE No. 2773 Order No. R-2454

APPLICATION OF C. W. TRAINER FOR APPROVAL OF THE HUME-QUEEN UNIT AGREEMENT, LEA COUNTY, NEW MEXICO.

ORDER OF THE CONMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on March 20, 1963, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 27 th day of March, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, 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, C. W. Trainer, seeks approval of the Hume-Queen Unit Agreement, covering 1,240 acres, more or less, of State land in Township 16 South, Range 34 East, NMPM, Lea County, New Mexico.

(3) That approval of the proposed Hume-Queen Unit Agreement will in principle tend to promote the conservation of oil and gas and the prevention of waste.

IT IS THEREFORE ORDERED:

(1) That the Hume-Queen Unit Agreement is hereby approved.

(2) That the plan under which the unit area shall be operated shall be embraced in the form of a unit agreement for the -2-CASE No. 2773 Order No. R-2454

development and operation of the Rume-Queen Unit Area, and such plan shall be known as the Hume-Queen Unit Agreement Plan.

(3) That the Hume-Queen Unit Agreement Plan is bereby approved in principle as a proper conservation measure, provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any menner, any right, duty, or obligation which is now, or may hereafter be, vested in the Oil Conservation Commission of New Mexico by law relative to the supervision and control of operations for the exploration and development of any lands committed to the Hume-Queen Unit, or relative to the production of oil or gas therefrom.

(4) (a) That the unit area shall be:

NEW MEXICO PRINCIPAL MERIDIAN

LEA COUNTY, NEW MEXICO TOWESHIP 16 SOUTH, RANGE 34 EAST Section 7: E/2, E/2 SW/4 Section 8: All Section 9: W/2 W/2 Section 17: NW/4 NE/4

containing, 1,240 acres, more or less.

(b) That the unit area may be enlarged or contracted as provided in said plan; provided, however, that administrative approval for expansion or contraction of the unit area must also be obtained from the Secretary-Director of the Commission.

(5) That the unit operator shall file with the Commission an executed original or executed counterpart of the Hume-Queen Unit Agreement within 30 days after the effective date thereof. In the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

(6) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico, and shall terminate <u>ipso facto</u> upon the termination of said unit agreement. The last unit operator shall notify the Commission immediately in writing of such termination. -3-CASE No. 2773 Order No. R-2454

(7) That jurisdiction of this cause is retained for the antry of such further orders as the Commission may deem mecessary,

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

> STATE OF NEW MEXICO OIL COMPENSATION CONCLUSION

M Campbol Rel Chairman CAMPBELL, JA

sucher

E. S. WALKER, Member

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



esr/

DRAFT

JMD/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:

CASE No. 2773 Order No. R-<u>245</u>

APPLICATION OF C. W. TRAINER FOR APPROVAL OF THE HUME-QUEEN UNIT AGREEMENT, LEA COUNTY, NEW MEXICO.

OFDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on March 20 , 1963, at Santa Fe, New Mexico, before <u>Elvis A. Utz</u> Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this <u>day of March</u>, 1963, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz , 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, <u>C. W. Trainer</u>, seeks approval
of the <u>Hume-Queen</u> Unit Agreement, covering <u>1</u>,240 acres,
more or less, of State land in Township 16 South, Range 34 East,
NMPM, Lea County, New Mexico.

(3) That approval of the proposed <u>Hume-Queen</u>

Unit Agreement will in principle tend to promote the conservation of oil and gas and the prevention of waste.

IT IS THEREFORE ORDERED:

(1) That the <u>Hume-Queen</u> Unit Agreement is hereby approved.

-2-CASE No. _2773_

(2) That the plan under which the unit area shall be operated shall be embraced in the form of a unit agreement for the development and operation of the <u>Hume-Queen</u> Unit Area, and such plan shall be known as the <u>Hume-Queen</u> Unit Agreement Plan.

(3) That the <u>Hume-Queen</u> Unit Agreement Plan is hereby approved in principle as a proper conservation measure; provided, however, that notwithstanding any of the provisions contained in said unit agreement, this approval shall not be considered as waiving or relinquishing, in any manner, any right, duty, or obligation which is now, or may hereafter be, vested in the Oil Conservation Commission of New Mexico by law relative to the supervision and control of operations for the exploration and development of any lands committed to the <u>Hume-Queen</u> Unit, or relative to the production of oil or gas therefrom.

(4) (a) That the unit area shall be:

NEW MEXICO PRINCIPAL MERIDIAN

LEA COUNTY, NEW MEXICO TOWNSHIP 16 SOUTH, RANGE 34 EAST

Dection 7: E/2, E/2 SW/4 Dection 8: all Pection 9: W/2 W/2 Dection 17: NW/4 NE/4

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containing 1,240 acres, more or less.

(b) That the unit area may be enlarged or contracted as provided in said plan; provided, however, that administrative approval for expansion or contraction of the unit area must also be obtained from the Secretary-Director of the Commission.

(5) That the unit operator shall file with the Commission an executed original or executed counterpart of the <u>Hume-</u> <u>Queen</u> Unit Agreement within 30 days after the effective date -3-CASE No. <u>2773</u>

<u>-</u> 4

thereof. In the event of subsequent joinder by any party or expansion or contraction of the unit area, the unit operator shall file with the Commission within 30 days thereafter counterparts of the unit agreement reflecting the subscription of those interests having joined or ratified.

(6) That this order shall become effective upon the approval of said unit agreement by the Commissioner of Public Lands for the State of New Mexico, and the Director of the United States Geologi cal-Survey, and shall terminate ipso facto upon the termination of said unit agreement. The last unit operator shall notify the Commission immediately in writing of such termination.

(7) 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.

> STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

JACK M. CAMPBELL, Chairman

E. S. WALKER, Member

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

Care 2773 Heard 3-20-63 Rec. 3-21-63 1. Signt C.W. Drainen opproved of this Kreme-Queen cinit beggreement. 2. Unit area to consist 7 a arege as 3. Stand unit order athemerie. This A. Def

No. 10-63

DOCKET: EXAMINER HEARING - WEDNESDAY - MARCH 20, 1963

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, as alternate examiner:

- CASE 2773: Application of C. W. Trainer for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Hume-Queen Unit Area comprising 1,240 acres of State land in Township 16 South, Range 34 East, Lea County, New Mexico.
 - <u>CASE 2774</u>: Application of C. W. Trainer for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Queen formation, Hume-Queen Pool, Lea County, New Mexico, through 15 wells located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East.
 - CASE 2775: Application of Cima Capitan, Inc. et al, for a waterflood project, Eddy County, New Mexico. Applicants, in the abovestyled cause, seek authority to institute a waterflood project by the injection of water into the Grayburg-San Andres formation, Red Lake Pool, Eddy County, New Mexico, through 13 wells located in Sections 22 and 27, Township 17 South, Range 28 East.
- CASE 2776: Application of International Oil & Gas Corporation for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Queen formation, High Lonesome Pool, Eddy County, New Mexico, through one injection well located in Section 15, Township 16 South, Range 29 East.
- CASE 2777: Application of Consolidated Oil & Gas, Inc., for an unorthodox location, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval of its Apache Well No. 2-16 at an unorthodox location 790 feet from the North line and 1850 feet from the West line of Section 16, Township 26 North, Range 3 West, Blanco Mesaverde Pool, Rio Arriba County, New Mexico.

CASE 2778: Application of Tenneco Oil Company for a unit agreement, San Juan County, New Mexico. Applicant, in the above-styled -2-Docket No. 10-63

> cause, seeks approval of the Central Totah Gallup Unit Area comprising 2,738 acres of Federal and Fee lands in Townships 28 and 29 North, Range 13 West, San Juan County, New Mexico.

CASE 2737: (Continued from January 23, 1963 Examiner Hearing)

Application of Gulf Oil Corporation for special pool rules, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the establishment of special pool rules for the White City-Pennsylvanian Gas Pool, Eddy County, New Mexico, including provisions for 640-acre spacing therein. This case was continued to the March 20, 1963 examiner hearing by Order No. R-2429.

CASE 2761: (Continued)

Application of Compass Exploration, Inc., for the creation of a Gallup Gas Pool, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks an order deleting certain acreage from the South Blanco-Tocito Pool and redesignating portions of said acreage to comprise a new Gallup gas pool for its Northwest Lindrith Well No.1-3, located in Unit K of Section 3, Township 26 North, Range 7 West, Rio Arriba County, New Mexico.

CASE 2746: (Continued)

In the matter of the hearing called by the Oil Conservation Commission on its own motion to permit Continental National Insurance Group and all other interested parties to appear and show cause why the Kenneth V. Barbee Well No. 1, located 1980 feet from the South line and 660 feet from the East line of Section 9, Wownship 11 South, Range 25 East, NMPM, Chaves County, Wew Mexico, should not be plugged in accordance with a a Commission-approved plugging program.

iqg/

No. 10-63

SUPPLEMENTAL DOCKET - EXAMINER HEARING - WEDNESDAY, MARCH 20, 1963

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

The following case will be heard before Elvis A. Utz, Examiner, or Daniel S. Nutter, as alternate examiner:

CASE 2779: Application of Marathon Oil Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the North Indian Basin Unit Area, comprising 5786 acres, more or less, of State and Federal Lands in Townships 20¹; and 21 South, Range 23 East, Eddy County, New Mexico.

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BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION

APPLICATION OF C. W. TRAINER : for approval of the Hume-Queen: Unit Agreement, Lea County, : New Mexico :

case no. $\angle 777$

APPLICATION

Comes now C. W. TRAINER by his attorneys, Seth, Montgomery, Federici & Andrews, and applies to the New Mexico Oil Conservation Commission for approval of the Hume-Queen Unit Agreement, and in support of his application states:

1. That the proposed Hume-Queen Unit Comprises 1240 acres of State land in Township 16 South, Range 34 East, Lea County, New Mexico, as follows:

> Section 7: E/2, E/2 SW/4 Section 8: All Section 9: W/2 W/2 Section 17: NW/4 NE/4

2. That the proposed unit includes all wells that have been completed in the Hume-Queen Pool.

3. That the Commissioner of Public Lands has given tentative approval to the inclusion of the above listed lands in the proposed unit.

4. That approval of the proposed unit agreement will be in the best interests of conservation, will protect correlative rights and will aid in the prevention of waste by making feasible a waterflood project in the unit area. The waterflood project is the subject of a companion application.

WHEREFORE, it is requested that this application be set for hearing before the Commission or one of its examiners, and that following said hearing the Commission enter its order approving this application.

SETH, N & ANDREWS Herr Ву Attorneys for W. TRAINER.

COLNEY MAN 3/8/63 21

1.13 FIG : J II 11 00 BEFORE THE NEW MEXICO OIL CONSERVATION CONDISION

APPLICATION OF C. W. TRAINER : for approval of the Nume-Queen: Unit Agreement, Lee County, : New Mexico :

CASE NO. ________

APPLICATION

Comes now C. W. TRAINER by his attorneys, Seth, Montgomery, Federici & Andrews, and applies to the New Mexico Gil Conservation Commission for approval of the Hume-Queen Unit Agreement, and in support of his application states:

1. That the proposed Hume-Queen Unit Comprises 1240 acres of State land in Township 16 South, Range 3⁴ Hast, Lea County, New Mexico, as follows:

> Section 7: E/2, E/2 SW/4 Section 8: All Section 9: W/2 W/2 Section 17: NW/4 NE/4

2. That the proposed unit includes all wells that have been completed in the Hume-Queen Pool.

3. That the Commissioner of Public Lands has given tentative approval to the inclusion of the above listed lands in the proposed unit.

4. That approval of the proposed unit agreement will be in the best interests of conservation, will protect correlative rights and will aid in the prevention of waste by making feasible a waterflood project in the unit area. The waterflood project is the subject of a companion application.

WHEREFORE, it is requested that this application be set for hearing before the Commission or one of its examiners, and that following said hearing the Commission enter its order approving this application.

SETH, MONFOOMERY, FEDERACI & ANDREWS Attorneys for C. W. TRAINER. By

HIS FEB 1 - 11 11 08 BEFORE THE NEW MEXICO OIL COMBERVATION COMMISSION

APPLICATION OF C. W. TRAINER : for approval of the Hume-Queen: Unit Agreement, Les County, : New Mexico :

CASE NO.

APPLICATION

Comes now C. W. TRAINER by his attorneys, Seth, Montgomery, Pederici & Andrews, and applies to the New Mexico Oil Conservation Commission for approval of the Hume-Queen Unit Agreement, and in support of his application states:

1. That the proposed Hume-Queen Unit Comprises 1240 acres of State land in Township 16 South, Range 34 East, Lea County, New Mexico, as follows:

> Section 7: E/2, E/2 SW/4 Section 8: All Section 9: W/2 W/2 Section 17: NW/4 ME/4

2. That the proposed unit includes all wells that have been completed in the Hume-Queen Pool.

3. That the Commissioner of Public Lands has given tentative approval to the inclusion of the above listed lands in the proposed unit.

4. That approval of the proposed unit agreement will be in the best interests of conservation, will protect correlative rights and will aid in the prevention of waste by making feasible a waterflood project in the unit area. The waterflood project is the subject of a companion application.

WHEREFORE, it is requested that this application be set for hearing before the Commission or one of its examiners, and that following said hearing the Commission enter its order approving this application.

SETH, MONTGOMERY, FROERICI & ANDREWS



State of New Mexico

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Commissioner of Jublic Lands

E. S. JOHNNY WALKER Commissioner



P. O. BOX 791 SANTA FE, NEW MEXICO

March 8, 1963

C. W. Trainer P. O. Box 2222 Hobbs, New Mexico

> Re: Hume Queen Waterflood Unit. Lea County, New Mexico

Dear Mr. Trainer:

This is to confirm our telephone conversation of this date by which we verbally approved the changes in the Unit Agreement Form, as submitted in your letter dated March 6, 1963.

We approve your Hume Queen Waterflood as to the project and also approve the Unit Agreement as to form and content.

Very truly yours,

E. S. Johnny Walker COMMISSIONER OF PUBLIC LANDS BY: (Mrs.) Marian M. Rhea Supervisor, Unit Division

ESW/mmr/e

BEFORE EXAMINER UTZ OIL CONSERVATION COMMISSION (1 EXHIBIT NO. CASE NO. 2723

C. W. TRAINER

P. G. BOX 2222

PHONE EX 7-1518

HOBBS, NEW MEXICO July 18, 1963

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

> Re: NMOCC Case No. 2773 and Order No. R-2454, Hume Queen Unit Agreement Hume Queen Field Lea County, New Mexico

Attention: Mr. A. L. Porter, Secretary

Dear Mr. Porter:

Attached you will find a copy of the Hume Queen Unit Agreement and copies of revised Exhibits A and B for the Agreement. These are being submitted in accordance with the provisions of Order R-2454. We wish to apologize for not submitting this information earlier but we failed to do so through an oversight.

We wish to point out that the Original Exhibit A has now been revised two times and both revisions are so marked. The second revision of Exhibit A was necessitated by a conveyance from Shell Oil Company wherein they transferred part of their interest in Tracts 4, 5, and 7 to several parties. The one revision of Exhibit B was necessitated by Burk Royalty Company refusal to join the Unit on the Effective Date.

All qualifications were met and the Unit became effective on May 1, 1963.

Yours very truly,

1 aune C. W. Trainer Hume Queen Unit Operator

OKG:vp Encls.

C. W. TRAINER

P. O. BOX 3223

205 NORTH LINAM STREET HOBBS, NEW MEXICO

July 18, 1963

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

> Re: NMOCC Case No. 2773 and Order No. R-2454, Hume Queen Unit Agreement Hume Queen Field Lea County, New Mexico

PHONE EX 7-1518

.13

Attention: Mr. A. L. Porter, Secretary

Dear Mr. Porter:

Attached you will find a copy of the Hume Queen Unit Agreement and copies of revised Exhibits A and B for the Agreement. These are being submitted in accordance with the provisions of Order R-2454. We wish to apologize for not submitting this information earlier but we failed to do so through an oversight.

We wish to point out that the Original Exhibit A has now been revised two times and both revisions are so marked. The second revision of Exhibit A was necessitated by a conveyance from Shell Oil Company wherein they transferred part of their interest in Tracts 4, 5, and 7 to several parties. The one revision of Exhibit B was necessitated by Burk Royalty Company refusal to join the Unit on the Effective Date.

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C. W. Trainer Hume Queen Unit Operator

OKG:vp Encls.

UNIT AGREEMENT HUME QUEEN UNIT LEA COUNTY, NEW MEXICO

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UNIT AGREEMENT HUME QUEEN UNIT LEA COUNTY, NEW MEXICO

THIS AGREEMENT, entered into as of the $27^{\frac{14}{2}}$ day of $\frac{144}{24}$. 1963, by the parties who have signed the original of this instrument, a counterpart thereof, or other instrument agreeing to be bound by the provisions hereof;

WITNESSETH:

MHEREAS, In the interest of the public welfare and to promote conservation and increase the ultimate recovery of oil, gas, and associated minerals from the Hume Queen Field, in Lea County, State of New Mexico, and to protect the rights of the owners of interests therein, it is deemed necessary and desirable to enter into this agreement to unitize the Oil and Gas Rights in and to the Unitized Formation in order to conduct a secondary recovery, pressure maintenance, or other recovery program as herein provided; and

WHEREAS, The Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature, Laws of 1951, Chapter 7, Article 2, Section 41 New Mexico Statutes, 1953, Annotated to consent to or approve this agreement on behalf of the State of New Mexico, insofar as it covers and includes lands and mineral interest of the State of New Mexico; and

WHEREAS, the Oil Conservation Commission of the State of New Mexico is authorized by law (Chap. 72, Laws of 1935, as amended by Chap 193, Laws of 1937, Chap. 166, Laws of 1941, and Chap. 168, Laws of 1949) to approve this agreement and the conservation provisions hereof;

NOW, THEREFORE, In consideration of the premises and of the mutual agreements herein contained, it is agreed as follows:

ARTICLE 1

DEFINITIONS

As used in this agreement, the terms herein contained shall have the following meaning:

1.1 Unit Area means the lands described by Tracts in Exhibit A and shown on Exhibit B as to which this agreement become effective or to which it may be extended as herein provided.
1.2 Unitized Formation means that subsurface portion of the Unit Area commonly known or described as follows: The Queen Sand Formation encountered in the drilling of the J. Don Hudgens Phillips State No. 3 now known as the C. W_t Trainer Phillips State No. 3 well between the depths of Three Thousand Nine Hundred and Twenty Two (3922) feet and Three Thousand Nine Hundred and Forty Four (3944) feet as shown by the Gamma Ray-Neutron Log of said well which is located 1980 feet from South line and 660 feet from East line of Section 8, Township 16 South, Range 34 East, Lea County, New Mexico.

1.3 Unitized Substances means all oil, gas, gaseous substances, sulphur contained in gas, condensate, distillate, and all associated and constituent liquid or liquefiable hydrocarbons within or produced from the Unitized Formation.

1.4 <u>Working Interest</u> means an interest in Unitized Substances by virtue of a lease, operating agreement, fee title, or otherwise, including a carried interest, which interest is chargeable with and obligated to pay or bear, either in cash or out of production or otherwise, all or a portion of the cost of drilling, developing, producing, and operating the Unitized Formation. Any interest in Unitized Substances which is a Working Interest as of the date the owner thereof executes or ratifies this Agreement shall thereafter be treated as a Working Interest for all purposes of this Agreement.

1.5 <u>Royalty Interest means a right to or interest in any portion of</u> the Unitized Substances or proceeds thereof other than a Working Interest.

1.6 Royalty Owner means a party hereto who owns a Royalty Interest.

1.7 <u>Working Interest Owner</u> means a party hereto who owns a Working Interest. The owner of oil and gas rights that are free of lease or other instrument conveying the Working Interest to another shall be regarded as a Working Interest Owner to the extent of seven-eights (7/8) of his interest in Unitized Substances, and as a Royalty Owner with respect to his remaining one-eighth (1/8) interest therein.

1.8 <u>Tract</u> means each parcel of land having a common ownership described as such and given a Tract number in Exhibit A. 1.9 Unit Operating Agreement means that Agreement entitled "Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico" of the same effective date as the effective date of this Agreement and which is entered into by Working Interest Owners.

1.10 Unit Operator means the Working Interest Owner designated by Working Interest Owners under the Unit Operating Agreement to develop and operate the Unitized Formation, acting as operator and not as a Working Interest Owner.

1.11 <u>Tract Participation</u> means the percentage shown on Exhibit A for allocating Unitized Substances to a Tract under this agreement.

1.12 Unit Participation of each Working Interest Owner means the sum of the percentages obtained by multiplying the Working Interest of such Working Interest Owner in each Tract by the Tract Participation of such Tract.

1.13 <u>Outside Substances</u> means all substances obtained from any source other than the Unitized Formation and which are injected into the Unitized Formation.

1.14 <u>Total Tract Production</u> means the total oil production from the Unitized Formation under each Tract from January 1, 1962, to November 1, 1962, inclusive as reported to the Oil Conservation Commission of the State of New Mexico by operators of the individual Tracts.

1.15 <u>Total Unit Area Production means the summation of the oil prod</u>uction defined in Section 1.14 of all Tracts in the Unit Area.

1.16 <u>Tract Well Factor</u> means the total well points for all wells on a Tract where a producer equals 3 points, a cased dry hole equals 2 points, and an uncased dry hole equals 1 point.

1.17 <u>Total Unit Area Well Factor</u> means the summation of the Tract Well Factors as defined in Section 1.16 for all Tracts in the Unit Area.

1.18 <u>Tract Cumulative Production</u> means the total cumulative oil production from the Unitized Formation under each Tract to November 1, 1962, as reported to the Oil Conservation Commission of the State of New Mexico by operators of the individual Tracts. 1.19 <u>Total Unit Area Cumulative Production</u> means the summation of the cumulative oil production defined in Section 1.18 of all Tracts in the Unit Area.

1.20 <u>Oil and Gas Rights</u> means the right to explore, develop, and operate lands within the Unit Area for the production of Unitized Substances, or to share in the production so obtained or the proceeds thereof.

1.21 Unit Operations means all operations conducted by Working Interest Owners or Unit Operator pursuant to this agreement and the Unit Operating Agreement for or on account of the development and operations of the Unitized Formation for the production of Unitized Substances.

1.22 Unit Equipment means all personal property, lease and well equipment, plants, and other facilities and equipment taken over or otherwise acquired for the joint account for use in Unit Operations.

1.23 Unit Expense means all cost, expense, or indebtedness incurred by Working Interest Owners or Unit Operator pursuant to this agreement and the Unit Operating Agreement for or on account of Unit Operations.

1.24 Unless the context otherwise clearly indicates, words used in the singular include the plural, the plural include the singular, and the neuter gender include the masculine and the feminine.

ARTICLE 2

EXHIBITS

2.1 <u>Exhibits</u>. Attached hereto are the following exhibits which are incorporated herein by reference:

2.1.1 Exhibit A, which is a schedule that describes each

Tract in the Unit Area and shows its Tract Participation.

2.1.2 <u>Exhibit B</u>, which is a map that shows the boundary lines of the Unit Area and the Tracts therein.

2.2 <u>Reference to Exhibits.</u> When reference herein is made to an exhibit, the reference is to the Exhibit as originally attached or, if revised, to the latest revision.

2.3 Exhibits Considered Correct. An exhibit shall be considered to be correct until revised as herein provided.

2.4 <u>Correcting Errors.</u> The shapes and descriptions of the respective Tracts have been established by using the best information available. If it subsequently appears that any Tract, because of diverse royalty or working interest ownership on the effective date hereof, should be divided into more than one Tract, or that any mechanical miscalculation has been made, Unit Operator, with the approval of Working Interest Owners, may correct the mistake by revising the exhibits to conform to the facts. The revision shall not include any re-evaluation of engineering or geological interpretations used in determining Tract Participation. Each such revision of an exhibit shall be effective at 7:00 a.m. on the first day of the calendar month next following the filing for record of the revised exhibit or on such other date as may be determined by Working Interest Owners and set forth in the revised exhibit.

2.5 <u>Filing Revised Exhibits.</u> If an exhibit is revised pursuant to this agreement, Unit Operator shall certify and file the revised exhibit with the Commissioner of Public Lands of the State of New Mexico and for record with the County Clerk of Lea County, New Mexico.

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ARTICLE 3

CREATION AND EFFECT OF UNIT

3.1 <u>Oil and Gas Rights Unitized.</u> Subject to the provisions of this agreement, all Oil and Gas Rights of Royalty Owners in and to the lands described in Exhibit A, and all Oil and Gas Rights of Working Interest Owners in and to said lands, are hereby unitized insofar as the respective Oil and Gas Rights pertain to the Unitized Formation, so that Operations may be conducted as if the Unitized Formation had been included in a single lease executed by all Royalty Owners, as lessors, in favor of all Working Interest Owners, as lessees, and as if the lease had been subject to all of the provisions of this agreement.

3.2 <u>Personal Property Excepted.</u> All lease and well equipment, materials, and other facilities heretofore or hereafter placed by any of the Working Interest Owners on the lands covered hereby shall be deemed to be and shall remain personal property belonging to and may be removed by the Working Interest Owners. The rights and interests therein as among Working

-5-

Interest Owners are covered by the Unit Operating Agreement.

3.3 Amendment of Leases and Other Agreements. The provisions of the various leases, agreements, division and transfer orders, or other instruments covering the respective Tracts or the production therefrom are amended to the extent necessary to make them conform to the provisions of this agreement, but otherwise shall remain in effect.

3.4 <u>Continuation of Leases and Term Royalties</u>. Unit Operations conducted on any part of the Unit Area shall be considered with respect to leases and term royalties as follows:

> 3.4.1 Operations, including drilling operations, conducted with respect to the Unitized Formation on any part of the Unit Area, or production from any part of the Unitized Formation, except for the purpose of determining payments to Royalty Owners, shall be considered as operations upon or production from each Tract, and such operations or production shall continue in effect each lease or term royalty interest as to all lands covered thereby just as if such operations had been conducted and a well had been drilled on and was producing from each Tract.

> 3.4.2 Any lease embracing lands of the State of New Mexico which is made subject to this Agreement shall continue in force beyond the term provided therein as to the lands committed hereto until the termination hereof.

> 3.4.3 Any lease embracing lands of the State of New Mexico having only a portion of its land committed hereto, shall be segregated as to the portion committed and that portion not committed, and the terms of such lease shall apply separately as to such segregated portions commencing as of the effective date hereof. Notwithstanding any of the provisions of this agreement to the contrary, any lease embracing lands of the State of New Mexico having only a portion of its land committed hereto shall continue in full force and effect beyond the term provided therein as to all lands embraced in such lease (whether within or without the Unit Area), (i) if, and for so long as Unitized Substances are

capable of being produced in paying quantities from some part of the lands embraced in such lease committed to this agreement, or (ii) if, and for so long as some part of the lands embraced in such State lease are allocated Unitized Substances; or (iii) if, at the expiration of the secondary term, the lessee or the Unit Operator is then engaged in bona fide drilling or reworking operations on some part of the lands embraced therein and for so long as such operations are being diligently prosecuted, and if they result in the production of Unitized Substances, said lease shall continue in full force and effect as to all the lands embraced therein, as provided in (i) and (ii) above.

3.5 <u>Titles Unaffected by Unitization</u>. Nothing herein shall be construed to result in the transfer of title to the Oil and Gas Rights by any party hereto to any other party or to Unit Operator. The intention is to provide for the cooperative development and operation of the Tracts and for the sharing of Unitized Substances as herein provided.

3.6 <u>Injection Rights.</u> Royalty Owners hereby grant unto Working Interest Owners the right to inject into the Unitized Formation any substances in whatever amounts Working Interest Owners deem expedient for Unit Operations, including the right to drill and maintain injection wells on the Unit Area and to use producing or abandoned oil or gas wells or wells that have never been produced for such purposes.

3.7 <u>Development Obligation</u>. Nothing herein shall relieve Working Interest Owners from the obligation to develop reasonably as a whole the lands and leases committed hereto.

ARTICLE 4

PLAN OF OPERATIONS

4.1 <u>Unit Operator.</u> Working Interest Owners are as of the effective date of this Agreement entering into the Unit Operating Agreement designating C. W. Trainer as Unit Operator. Unit Operator shall have the exclusive right to conduct Unit Operations. The operations shall conform to the provisions of this Agreement and the Unit Operating Agreement. If there is any conflict between such Agreements this Agreement shall govern.

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4.2 Operating Methods. To the end that the quantity of Unitized Substances ultimately recoverable may be increased and waste prevented, Working Interest Owners shall, with diligence and in accordance with good engineering and production practices, engage in methods of operation of the Unit Area which from time to time will in their judgment be conducive to that end within practicable economic limits, including water flooding operations and such other pressure maintenance, repressuring and secondary recovery operations as may be deemed by them to be necessary or proper to achieve that end.

4.3 <u>Change of Operating Methods.</u> Nothing herein shall prevent Working Interest Owners from discontinuing or changing in whole or in part any method of operations which, in their opinion, is no longer in accord with good engineering or production practices. Other methods of operation may be conducted or changes may be made by Working Interest Owners from time to time if determined by them to be feasible, necessary, or desirable to increase the ultimate recovery of Unitized Substances.

ARTICLE 5

TRACT PARTICIPATION

5.1 <u>Tract Participation</u>. The Tract Participation of each Tract is shown on Exhibit A. The participation percentages shown in Exhibit A were determined in accordance with the following formula:

Total Tract Production Total Unit Area Production	х	25
plus		
Tract Well Factor Total Unit Area Well Factor	X	25
plus		
Tract Cumulative Production Total Unit Area Cumulative Production	х	50

= Tract Participation Percentage

5.2 <u>Relative Tract Participations.</u> If the Unit Area is enlarged or reduced, the revised Tract Participations of the Tracts remaining in the Unit Area and which were within the Unit Area prior to the enlargement or reduction shall remain in the same ratio one to another.

ARTICLE 6

ALLOCATION OF UNITIZED SUBSTANCES

6.1 <u>Allocation to Tracts.</u> All Unitized Substances produced and saved shall be allocated to the several Tracts in accordance with the respective Tract Participations effective during the period that the Unitized Substances were produced. The amount of Unitized Substances allocated to each Tract, regardless of whether it is more or less than the actual production of Unitized Substances from the well or wells, if any, on such Tract, shall be deemed for all purposes to have been produced from such tract.

6.2 <u>Distribution Within Tracts.</u> The Unitized Substances allocated to each Tract shall be distributed among, or accounted for to, the parties entitled to share in the production from such Tract in the same manner, in the same proportions, and upon the same conditions as they would have participated and shared in the production from such Tract, or in the proceeds thereof, had this agreement not been entered into, and with the same legal effect. If any Oil and Gas Rights in a Tract hereafter become divided and owned in severalty as to different parts of the Tract, the owners of the divided interest, in the absence of an agreement providing for a different division, shall share in the Unitized Substances allocated to the Tract, or in the proceeds thereof, in proportion to the surface acreage of their respective parts of the Tract.

6.3 Taking Unitized Substances in Kind. The Unitized Substances allocated to each Tract shall be delivered in kind to the respective parties entitled thereto by virtue of the ownership of Oil and Gas Rights therein or by purchase from such owners. Such parties shall have the right to construct, maintain, and operate within the Unit Area all necessary facilities for that purpose, provided that they are so constructed, maintained, and operated as not to interfere with the Unit Operations. Any extra expenditures incurred by Unit Operator by reason of the delivery in kind of any portion of the Unitized Substances shall be borne by the receiving party. If a Royalty Owner has the right to take in kind a share of Unitized Substances and fails to do so, the Working Interest Owner whose Working Interest is subject to such Royalty Interest shall be entitled to take in kind such share of the Unitized Substances,

6.4 Failure to Take in Kind. If any party fails to take in kind or separately dispose of its share of Unitized Substances, Unit Operator shall have the right, but not the obligation, for the time being and subject to revocation at will by the party owning the share, to purchase for its own account or sell to others such share at not less than the average market price for all such sales from the Unitized Formation; provided that, all contracts of sale by Unit Operator of any other party's share of Unitized Substances shall be only for such reasonable periods of time as are consistent with the minimum needs of the industry under the circumstances, but in no event shall any such contract be for a period in excess of one year. The proceeds of the Unitized Substances so disposed of by Unit Operator shall be paid to the party entitled thereto. If, under the provisions of this paragraph, Unit Operator contracts to sell in interstate commerce any gas not taken in kind or separately disposed of by the owning party, Unit Operator shall give such owning party ninety (90) days notice of such sale.

6.5 <u>Responsibility for Royalty Settlements</u>. Any party receiving in kind or separately disposing of all or part of the Unitized Substances allocated to any Tract or receiving the proceeds therefrom shall be responsible for the payment thereof to the persons entitled thereto, and shall indemnify all parties hereto, including Unit Operator, against any liability for all royalties, overriding royalties, production payments, and all other payments chargeable against or payable out of such Unitized Substances or the proceeds therefrom.

ARTICLE 7

PRODUCTION AS OF THE EFFECTIVE DATE.

7.1 <u>Oil in Lease Tanks.</u> Unit Operator shall gauge all lease and other tanks within the Unit Area to ascertain the amount of merchantable oil produced from the Unitized Formation in such tanks, above the pipe line connections, as of 7:00 a.m. on the effective date hereof. The oil that is a part of the prior allowable on the wells from which it was produced shall remain the property of the parties entitled thereto the same as if the Unit had not been formed. Any such oil not promptly removed may be sold by the Unit Operator for the account of the parties entitled thereto, subject to the payment of all royalties, overriding royalties, production payments, and all other payments under the provisions of the applicable lease or other contracts. The oil that is in excess of the prior allowable of the wells from which it was produced shall be regarded as Unitized Substances produced after the effective date hereof.

7.2 Overproduction. If, as of the effective date hereof, any Tract is overproduced with respect to the allowable of the wells on that Tract and the amount of overproduction has been sold or otherwise disposed of, such overproduction shall be regarded as a part of the Unitized Substances produced after the effective date hereof and shall be charged to such Tract as having been delivered to the parties entitled to Unitized Substances allocated to such Tract.

ARTICLE 8

USE OR LOSS OF UNITIZED SUBSTANCES

8.1 Use of Unitized Substances. Working Interest Owners may use as much of the Unitized Substances as they deem necessary for Unit Operations, including but not limited to the injection thereof into the Unitized Formation. 8.2 <u>Royalty Payments.</u> No royalty, overriding royalty, production, or other payments shall be payable upon, or with respect to, Unitized Substances used or consumed in Unit Operations, or which otherwise may be lost or consumed in the production, handling, treating, transportation, or storing of Unitized Substances.

ARTICLE 9

TRACTS TO BE INCLUDED IN UNIT

9.1 <u>Qualification of Tracts.</u> On and after the effective date hereof and until the enlargement or reduction thereof, the Unit Area shall be composed of the Tracts listed in Exhibit A that qualify as follows:

> 9.1.1 Each tract as to which Working Interest Owners owning one hundred percent (100%) of the Working Interest have become parties to this agreement and as to which Royalty Owners owning eighty five percent (85%) or more of the Royalty Interest have become parties to this agreement. 9.1.2 Each Tract as to which Working Interest Owners owning one hundred percent (100%) of the Working Interest have become parties to this agreement, and as to which Royalty Owners owning less than eighty five percent (85%) of the Royalty Interest have become parties to this agreement, and as to which (a) all Working Interest Owners in such Tract have joined in a request for the inclusion of such Tract in the Unit Area, and as to which (b) eighty five percent (85%) of the combined voting interests of Working Interest Owners in all Tracts that meet the requirements of Section 9.1.1 have voted in favor of the inclusion of such Tract. For the purpose of this Section 9.1.2, the voting interests of a Working Interest Owner shall be equal to the ratio that its Unit Participation attributable to Tracts that qualify under Section 9.1.1 bears to the total Unit Participation of all Working Interest Owners attributable to all Tracts that qualify under Section 9.1.1.

9.1.3 Each Tract as to which Working Interest Owners owning less than one hundred percent (100%) of the Working Interest have become parties to this agreement, regardless of the percentage of Royalty Interest therein that is committed hereto; and as to which (a) the Working Interest Owner who operates the Tract and all of the other Working Interest Owners in such Tract who have become parties to this agreement have joined in a request for inclusion of such Tract in the Unit Area, and have executed and delivered an indemnity agreement agreeing to indemnify and hold harmless the other Working Interest Owners in the Unit Area, their successors and assigns, against all claims and demands that may be made by the owners of working Interests in such Tract who are not parties to this agreement, and which arise out of the inclusion of the Tract in the Unit Area; and as to which (b) eighty five percent (85%) of the combined voting interest of Working Interest Owners in all Tracts that meet the requirements of Sections 9.1.1 and 9.1.2 have voted in favor of the inclusion of such Tract and to accept the indemnity agreement. For the purpose of this Section 9.1.3, the voting interest of each Working Interest Owner shall be equal to the ratio that its Unit Participation attributable to Tracts that qualify under Section 9.1.1 and 9.1.2 bears to the total Unit Participation of all Working Interest Owners attributable to all Tracts that qualify under Sections 9.1.1 and 9.1.2. Upon the inclusion of such a Tract in the Unit Area, the Unit Participation that would have been attributed to the nonsubscribing owners of the Working Interest in such Tract, had they become parties to this agreement and the Unit Operating Agreement, shall be attributed to the Working Interest Owners in such Tract who have become parties to such agreement, in proportion to their respective Working Interests in the Tract.

-15-

9.2 Subsequent Committment of Interest to Unit. After the effective date hereof, the committment of any interest in any Tract within the Unit Area shall be upon such terms as may be negotiated by Working Interest Owners and the owner of such interest and upon approval by the Commissioner of Public Lands.

9.3 <u>Revision of Exhibits.</u> If any of the Tracts in Exhibit A fail to qualify for inclusion in the Unit Area on the effective date hereof Unit Operator shall recompute, using the original basis of computation, the Tract Participation of each of the qualifying Tracts and shall revise Exhibits A and B accordingly, to be effective as of the effective date hereof upon approval by the Commissioner of Public Lands of the State of New Mexico.

ARTICLE 10

TITLES

10.1 <u>Removal of Tract from Unit Area.</u> If a Tract ceases to have sufficient Working Interest Owners or Royalty Owners committed to this agreement to meet the conditions of Article 9 because of failure of title of any party hereto, such Tract shall be removed from the Unit Area effective as of the first day of the calendar month in which the failure of title is finally determined; however, the Tract shall not be removed from the Unit Area, if, within ninety (90) days of the date of final determination of the failure of title, the Tract requalifies under a Section of Article 9.

10.2 <u>Revision of Exhibits.</u> If a Tract is removed from the Unit Area because of the failure of title, Unit Operator, subject to Section 5.2, shall recompute the Tract Participation of each of the Tracts remaining in the Unit Area and shall revise Exhibits A and B accordingly. The revised exhibits shall be effective as of the first day of the calendar month in which such failure of title is finally determined.

10.3 <u>Working Interest Titles.</u> If title to a Working Interest fails, the rights and obligations of Working Interest Owners by reason of the failure of title shall be governed by the Unit Operating Agreement.

10.4 <u>Royalty Owner Titles.</u> If title to a Royalty Interest fails, but the Tract to which it relates is not removed from the Unit Area, the party whose title failed shall not be entitled to share bereunder with respect to such interest.

-14-

10.5 <u>Production Mere Title is in Dispute.</u> If the title or right of any party claiming the right to receive in kind all or any portion of the Unitized Substances allocated to a Tract is in dispute, Unit Operator at the discretion of Working Interest Owners shall either:

> (a) require that the party to whom such Unitized Substances are delivered or to whom the proceeds thereof are paid, furnish security for the proper accounting therefor to the rightful owner if the title or right of such party fails in whole or in part, or

(b) withhold and market the portion of Unitized Substances with respect to which title or right is in dispute, and impound the proceeds thereof until such time as the title or right thereto is established by a final judgment of a court of competent jurisdiction or otherwise to the satisfaction of Working Interest Owners, whereupon the proceeds so impounded shall be paid to the party rightfully entitled thereto.

10.6 Payment of Taxes to Protect Title. The owners of (1) the surface rights to lands within the Unit Area, (2) the several mineral or Royalty Interests in the lands, and (3) the improvements located on the lands not utilized for Unit Operations, shall individually be responsible for the rendition and assessment for ad valorem tax purposes of all such property, and for the payment of such taxes, except as otherwise provided in any contract or agreement between such owners and a Working Interest Owner. If any ad valorem taxes are not paid by such owner responsible therefor when due, Unit Operator may, with approval of Working Interest Owners, at any time prior to tax sale, or expiration of period of redemption after tax sale, pay the same, redeem such property, and discharge such tax liens as may arise through non-payment. Any such payment shall be treated as an item of Unit Expense. Unit Operator shall, if possible, withhold from any proceeds derived from the sale of Unitized Substances otherwise due to any delinquent taxpayer or taxpayers an amount sufficient to defray the costs of such payment or redemption, such withholding to be credited to the joint account. Such withholding shall be without prejudice to any other remedy, either at law or at equity, which may be available for exercise by the Unit Operator or by the Norking Interest Owners.

-15-

ARTICLE II

LASETINTS OF DSP OF DPLACE

11.1 <u>Grant of Hasements.</u> The parties hereto, to the extent of their rights and interest, hereby grant to Working Interest Owners the right to use as much of the surface of the land within the Unit Area as may reasonably be necessary for Unit Operations; provided that, nothing herein shall be construed as leasing or otherwise conveying to Working Interest Owners a site for a water, gas injection, processing or other plant, or camp site.

11.2 Use of Water. Working Interest Owners shall have free use of water from the Unit Area for Unit Operations, except water from any well, lake, pond, or irrigation ditch of a Royalty Owner.

11.3 <u>Surface Damages</u>. Working Interest Owners shall pay the owner for damages to growing crops, timber, fences, improvements, and structures on the Unit Area that result from Unit Operations.

ARTICLE 12

ENLARGEMENTS OF UNIT AREA

12.1 <u>Enlargements of Unit Area.</u> The Unit Area may be enlarged to include acreage reasonably proved to be productive, upon such terms as may be determined by Working Interest Owners and upon approval by the Commissioner of Public Lands of the State of New Mexico and the Oil Conservation Commission of the State of New Mexico, including but not limited to, the following:

12.1.1 The acreage shall qualify under a Section of Article9.

12.1.2 The participation to be allocated to the acreage shall be reasonable, fair, and based on all available information. 12.1.3 There shall be no retroactive allocation or adjustment of Unit Expense or of interests in the Unitized Substances produced, or proceeds thereof; however, this limitation shall not prevent an adjustment of investment by reason of the enlargement.

12.1.4 The execution or ratification of this Agreement, by a person owning a Royalty Interest in any Tract being brought into

the Unit Area by an enlargement, shall have the effect of committing to the Unit his Royalty Interest in each Tract being added to the Unit, as well as in each Tract previously included in the Unit Area.

12.2 Determination of Tract Participation. Unit Operator, subject to Section 5.2, shall determine the Tract Participation of each Tract within the Unit Area as enlarged, and shall revise Exhibits A and B accordingly.

12.3 Effective Date. The effective date of any enlargement of the Unit Area shall be 7:00 a.m. on the first day of the calendar month following approval by the Commissioner of Public Lands and compliance with conditions for enlargement as specified by Working Interest Owners, approval of the enlargement by the appropriate governmental authority, if required, and the filing for record of revised Exhibits A and B in the records of the County or Counties in which this agreement is recorded.

ARTICLE 13

CHANGE OF TITLE

13.1 <u>Covenant Running With the Land.</u> This agreement shall extend to, be binding upon, and inure to the benefit of, the respective heirs, devisees, legal representatives, successors, and assigns of the parties hereto, and shall constitute a covenant running with the lands, leases, and interest covered hereby.

13.2 Notice of Transfer. Any conveyance of all or any part of any interest owned by any party hereto with respect to any Tract shall be made expressly subject to this agreement. No change of title shall be binding on the Unit Operator, or upon any party hereto other than the party so transferring, until the first day of the calendar month next succeeding the date of receipt by Unit Operator of a photocopy or a certified copy of the recorded instrument evidencing such change of ownership.

13.3 <u>Waiver of Rights to Partition</u>. Each party hereto covenants that, during the existence of this agreement, it will not resort to any action to partition the Unit Area or the Unit Equipment, and to that extent waives the benefits of all laws authorizing such partition.

13.4 <u>New Interest.</u> If any Working Interest Owner shall, after executing this agreement, create any overriding rovalty, production payment, or other similar interest, hereafter referred to as "New Interest", out of its interest subject to this agreement, such New Interest shall be subject to all the terms and provisions of this agreement. In the event the Working Interest Owner, owning the interest from which the New Interest was created, withdraws from this agreement under the terms of Section 17.1 of the Unit Operating Agreement, or fails to pay any expenses and costs chargeable to it under this agreement and the production to the credit of such Working Interest Owner is insufficient for that purpose, the owner of the New Interest will be liable for the pro rata portion of all costs and expenses for which the original Morking Interest Owner, creating such New Interest, would have been liable by virtue of his ownership of the New Interest had the same not been transferred. In this event, the lien provided in Section 20.3 may be enforced against such New Interest. If the owner of the New Interest hears a portion of the costs and expenses or the same is enforced against such New Interest, the owner of the New Interest will be subrogated to the rights of the Unit Operator with respect to the interest primarily chargeable with such costs and expenses.

ARTICLE 14

RELATIONSHIP OF PARTIES

14.1 <u>No Partnership.</u> The duties, obligations, and liabilities of the parties hereto are intended to be several and not joint or collective. This agreement is not intended to create, and shall not be construed to create, an association or trust, or to impose a partnership duty, obligation, or liability with regard to any one or more of the parties hereto. Each party hereto shall be individually responsible for its own obligations as herein provided.

14.2 <u>No Sharing of Market</u>. This agreement is not intended to provide, and shall not be construed to provide, directly or indirectly, for any cooperative refining, joint sale, or marketing of Unitized Substances.

14.3 <u>Royalty Owners Free of Costs.</u> This agreement is not intended to impose, and shall not be construed to impose, upon any Royalty Owner any obligation to pay for Unit Expense unless such Royalty Owner is otherwise so obligated. 14.4 Information to Royalty Owners. Each Royalty Owner upon written request therefor shall be entitled to all information in possession of Unit Operator to which such Royalty Owner is entitled by an existing agreement with any Working Interest Owner.

ARTICLE 15

LAWS AND REGULATIONS

15.1 Laws and Regulations. This agreement shall be subject to the conservation laws of the State of New Mexico; to the valid rules, regulations, and orders of the Oil Conservation Commission of New Mexico; and to all other applicable federal, state, and municipal laws, rules, regulations, and orders.

ARTICLE 16

FORCE MAJEURE

16.1 Force Majeure. All obligations imposed by this agreement on each party, except for the payment of money, shall be suspended while compliance is prevented, in whole or in part, by a strike, fire, war, civil disturbance, act of God; by federal, state, or minicipal laws; by any rule, regulation, or order of a governmental agency; by inability to secure materials; or by any other cause or causes beyond reasonable control of the party whether similar or dissimilar to those enumerated. No party shall be required against its will to adjust or settle any labor dispute. Neither this agreement nor any lease or other instrument subject hereto shall be terminated by reason of suspension of Unit Operations due to any one or more of the causes set forth in this Article.

ARTICLE 17

EFFECTIVE DATE

17.1 Effective Date. This agreement shall become binding upon each party as of the date such party signs the instrument by which it becomes a party hereto, and, unless sooner terminated as provided in Section 17.2, shall become effective as to qualified Tracts at the time and date as determined by the Working Interest Owners in all the qualified Tracts, and set forth in a certificate filed for record by Unit Operator with the County Clerk in Lea County, New Mexico. The certificate shall also recite the percentage of the Unit Area represented by the Tracts qualified under Article 9. the book and page in which a counterpart of this agreement has been recorded, and the case number and order number of the order of approval by Governmental authority, if obtained. The certificate shall not be filed until after the following requirements have been met:

> 17.1.1 Tracts comprising eighty five percent (85%) or more of the Unit Area as shown on the original Exhibit B have qualified under the provisions of Article 9.

17.1.2 At least one counterpart of this agreement has been filed for record by Unit Operator in Lea County, New Mexico.
17.1.3 This agreement has been approved by the Oil Conservation Commission of the State of New Mexico.

17.1.4 This agreement has been approved by the Cormissioner of Public Lands of the State of New Mexico.

17.2 <u>Ipso Facto Termination</u>. If the requirements of Section 17.1 are not accomplished on or before December 31, 1963, this agreement shall ipso facto terminate on that date (hereinafter called "termination date") and thereafter be of no further effect, unless prior thereto Working Interest Owners owning a combined Unit Participation of at least eighty five percent (85%) have become parties to this agreement and such parties owning not less than sixty five percent (65%) Unit Participation have decided to extend the termination date for a period not to exceed six (6) months. If the termination date is so extended and the requirements of Section 17.1 are not accomplished on or before the extended termination date, this agreement shall ipso facto terminate on the extended termination date and thereafter be of no further effect. For the purpose of this section, Unit Participation shall be as shown on the original Exhibit C attached to the Unit Operating Agreement.

ARTICLE 18

TER_M

18.1 Term. The term of this agreement shall be for the time that Unitized Substances are produced in paying quantities and as long thereafter as Unit Operations are conducted without a cessation of more than one hundred eighty (180) consecutive days, unless sooner terminated by Working Interest Owners in the manner herein provided.

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18.2 <u>Termination by Working Interest Owners</u>. This agreement may be terminated by Working Interest Owners having a combined Unit Participation of at least eighty five percent (85%) whenever such Working Interest Owners determine that Unit Operations are no longer profitable or feasible.

18.3 Effect of Termination. Upon termination of this agreement, the further development and operation of the Unitized Formation as a unit shall be abandoned, Unit Operations shall cease, and thereafter the parties shall be governed by the provisions of the leases and other instruments affecting the separate Tracts.

18.4 <u>Salvaging Equipment Upon Termination</u>. If not otherwise granted by the leases or other instruments affecting each Tract unitized under this agreement, Royalty Owners hereby grant Working Interest Owners a period of six (6) months after the date of termination of this agreement within which to salvage and remove Unit Equipment.

ARTICLE 19

EXECUTION

19.1 Original, Counterpart, or Other Instrument. A person may become a party to this agreement by signing the original of this instrument, a counterpart thereof, or other instrument agreeing to be bound by the provisions hereof. The signing of any such instrument shall have the same effect as if all the parties had signed the same instrument.

19.2 Joinder in Dual Capacity. Execution as herein provided by any party as either a Working Interest Owner or a Royalty Owner shall commit all interests that may be owned or controlled by such party.

ARTICLE 20

GENER/...

20.1 <u>Amendments Affecting Working Interest Owners</u>. Amendments hereto relating wholly to Working Interest Owners may be made if signed by all Working Interest Owners.

20.2 <u>Action by Working Interest Owners.</u> Any action or approval required by Working Interest Owners hereunder shall be in accordance with the provisions of the Unit Operating Agreement. 20.3 <u>Lien of Unit Operator</u>. Unit Operator shall have a lien upon the interests of Working Interest Owners in the Unit Area to the extent provided in the Unit Operating Agreement.

IN WITNESS WHEREOF, The parties hereto have executed this agreement on the date opposite their respective signatures.

March 9. 1963. Date: Cili - "

Address: 205 North Linam P. O. Box 2222 Hobbs, New Mexico

UNIT OPERATOR & WORKING INTEREST OWNER

JACKIE TRAINER, his wife SINCLAIR OIL & GAS COMPANY >63 By Address

Date: 3/37/63

Date:

ATTES

Date:

Date:

President Vice Box 1470 P. O. Midland, Texas COMPANY SHELL OIL ひし RY P.O. Bex 1509 Midhand, Texas

NUL?

Date:

STATE OF NEW MEXICO COUNTY OF LEA

SS.

The foregoing instrument was acknowledged before me this ______9th____ day of March, 1963, by C. W. TRAINER and JACKIE TRAINER, his wife.

My Commission expires:

January 23, 1967.

STATE OF 2448

The foregoing instrument was acknowledged before me this day of Wyayah, 1963, by the barrier of the second of the clotte and the constant of the state corporation, on behalf of said corporation.

NUTARY PUBLIC

NOTARY PUBLIC

VOTARY PUBLIC

ellen Halford

My Commission expires: 1 442 1. 1963

STATE OF <u>Lefas</u>) ss.

The foregoing instrument was acknowledged before me this 27

day of March, 1963, by J. U. Linday, attany Jean Akins Notary Public in and for Midland County, Texas

My Commission expires: ne: 11913

STATE OF ______) ss. COUNTY OF

The foregoing instrument was acknowledged before me this _____

day of _____, 1963, by _____

'ly Commission expires:

NOTARY PUBLIC

20.3 Lien of Unit Operator. Unit Operator shall have a lien upon the interests of Working Interest Owners in the Unit Area to the extent provided in the Unit Operating Agreement.

IN WITNESS WHEREOF, The parties hereto have executed this agreement on the date opposite their respective signatures.

Date:t	1. 18 5	C. W. TRAINER
		Address: 205 North Linam P. O. Box 2222 Hobbs, New Mexico
		UNIT OPERATOR & WORKING INTEREST OWNER
		JACKIE TRAINER, his wife
Date: MAR	2 9 1963	CHTIES SERVICE DIL COMPANY
ATTEST:	~	By Chonge (Junn) Vios President
Asst, Secretar	ſy	
Date:		-
Date:		
Date:		

STATE OF NEW MEXICO 55. COUNTY OF LEA

The foregoing instrument was acknowledged before me this ______ 9th day of March, 1963, by C. W. TRAINER and JACKIE TRAINER, his wife.

My Commission expires: January 23, 1967.

STATE OF Obea. ·) 55. COUNTY OF Washington

The foregoing instrument was acknowledged before me this $\frac{-29}{2}$ day of March , 1963, by George P. Burn H. Vin they. of <u>Cities Service Qe Co.</u>, a <u>Alaward</u> corporation, on behalf of said corporation.

My Commission expires:

10-22-64

Delana Tueson TARY PUBLIC

STATE OF _____) 55. COUNTY OF

The foregoing instrument was acknowledged before me this _____

day of _____, 1963, by _____

My Commission expires:

NOTARY PUBLIC

STATE OF _____) ss.

The foregoing instrument was acknowledged before me this

day of _____, 1963, by _____

My Commission expires:

NOTARY PUBLIC

20.3 Lien of Unit Operator. Unit Operator shall have a lien upon the interests of Working Interest Owners in the Unit Area to the extent provided in the Unit Operating Agreement.

IN WITNESS WHEREOF, The parties hereto have executed this agreement on the date opposite their respective signatures.

Date: March 9. 1963 -1 ner W. TRAINER

Address: 205 North Linam P. O. Box 2222 Hobbs, New Mexico

UNIT OPERATOR & WORKING INTEREST OWNER

JACKIE TRAINER, his wife

Date:	MAR 1 9 1963	APPR	OVED	THE PUP	RE OIL COMPANY
		TRADE		By (& w Hannah
- 	FORM		°' <u>~ (</u>	Division Nanager,	
		DESCRIPTION	12		s Southern Producing Division
	Secretary_			First	City National Bank Bldg.
				Houst	on 2. Texas

Date:

Date:

Date:___

Date:

STATE	OF	NEW	MEXICO	
COUNTY	, OL	: Le/	4	

ss.

The foregoing instrument was acknowledged before me this _____9th___ day of March, 1963, by C. W. TRAINER and JACKIE TRAINER, his wife.

My Commission expires:

January 23, 1967.

day of

/ of

STATE OF	TEXAS)
COUNTY OF	HARRIS) ss.)

The foregoing instrument was acknowledged before me this 19th

PUBLI

March ____, 1963, by C. W. Hancock, Division Manager of the Southern Producing Division The Pure Oil Company corporation, Ohio **a** n on behalf of said corporation. ever JO ANN L. M My Commission expires: June 1, 1963

STATE OF _____) ___ ; ss. COUNTY OF

The foregoing instrument was acknowledged before me this

day of _____, 1963, by _____

My Commission expires:

NOTARY PUBLIC

STATE OF _____ } ss.

The foregoing instrument was acknowledged before me this

day of _____, 1963, by _____

My Commission expires:

NOTARY PUBLIC

9	CA.	4 4	بري ا	2	-	Tract No.	
Sec. 9, W/2 W/2	Sec. 8, N/2 SW/4 and N/2 NW/4	Sec. 8, SE/4 NE/4	Sec. 7, SE/4 and NE/4	Sec. 8, SW/4 NE/4	SEC. 8, 3/2 3M/4		
160.00	160,00	40.00	320.00	40.00		No.	
Shell Oil Company	Shell 0:1 Company	She11 Oil Company	The Pure Oil Company	Nm. Yeager and Jim Armstrong		Lessee of Record	E UNIT INACT DESCRIPT AND TRACT PART
OGS12 January 15, 1957	E1079 November 12, 1946	E8265 June 15, 1954	OG 265 October 16, 1956	E1386 July 10, 1947	November 12, 1946	State Lease No. and Date	EXHIBIT A TO UNIT AGREEMENT INME QUEEN UNIT LEA COUNTY, NEW MEXICO DESCRIPTION, TRACT OWN MCT PARTICIPATION PERC
State of New Mexico 12.50000	State of New Mexico 12.50000	State of New Mexico 12.50000	State of New Mexico 12.50000	State of New Mexico 12.50000	New Mexico 12.50000 Shell Cana- dian Oil Ex- ploration Co. 6.25000	Royalty Interest Ownership & Percentage	AGREEVENT AGREEVENT QUEEN UNIT TY, NEW MEXICO ION, TRACT OWNERSHIP ICIPATION PERCENTAGE
Shell Oil Company 100.00000	Shell Oil Company 100.00000	Shell Oil Company 200.0000	The Pure Oil Company 100.30000	Mabee Royalties, 75.00000 J. M. Armstrong, 12.5000 W. A. Yeager, 12.5000	Con Hy Bear Trust 18.75000 C. J. Bohner, 37.50000 David A. Kimbell Trust 18.75000	Working Interest Ownership and Percentage	
1.293103	15.326796	9.346487	19 . 586157	4.27.479		Percentage Tract Particifation	

10 Sec. 17, NW/4 NE/4	9 Sec. 8, S/2 NW/4	8 Sec. 8, SE/4	7** Sec. 7, E/2 SV/4	Tract No. Tract Description*	
40.00	80,00	160.00	80.00	No. Acres	
Southern Union Gas Company	Shell Oil Company	Phillips Pet- roleum Company	Cities Service Oil Company	Lessee of Record	TRACT DE AND TRAC
0G1215 August 20, 1957	E1079 November 12, 1946	E1186 February 10, 1947	E990 S e ptember 10, 1946	State Lease No. and Date	EXHIBIT A TO UNIT AGREEMENT HUME QUEEN UNIT LEA COUNTY, NEW MEXICO AND TRACT PARTICIPATION PERCENTAGE
State of New Mexico 12.50000 Southern Union Gas Co. 12.50000	State of New Mexico 12.50000 Shell Cana- dian Explor- ation Co. 6.25000	State of New Mexico 12.5000	State of New Mexico 12.50000	Royalty Interest Ownership & Percentage	IT IT MEXICO IT OMNERSHIP
C. W. Trainer, 8.33333 Carl J. Cahill, 8.33333**** C. R. McVay and Carmon J. Stafford 75.00000**** George H. Neill, 8.33333****	C. W. Trainer, 25.00000 Roy G. Barton, 50.00000 J. Don Hudgens, Inc. 25.00000***	C. W. Trainer, 35.00000 Roy G. Barton, 50.00000 Carl J. Cahill, 7.50000 George Neill, 7.50000	Sinclair Oil & Gas Company 35.39378 Cities Service Oil Company 14.21011 Shell Oil Company 37.79705 Skelly Oil Company 12.59906	Working Interest Ownership and Percentage	
0.362069	2.397802	33.945052	4.367942	Percentage Tract Participation	

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CERTIFICATE OF APPROVAL

BY COMMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO

HUME QUEEN UNIT LEA COUNTY, NEW MEXICO

There having been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, the attached Agreement for the development and operation of acreage which is described within the attached Agreement, dated MARCH 27, 1963 which has been executed or is to be executed by parties owning and holding oil and gas leases and royalty interests in and under the property described, and upon examination of said Agreement, the Commissioner finds:

- (a) That such agreement will tend to promote the conservation of oil and gas and the better utilization of reservoir energy in said area.
- That under the proposed agreement the State (b) of New Mexico will receive its fair share of the recoverable oil or gas in place under its lands in the area.
- (c) That each beneficiary Institution of the State of New Mexico will receive its fair and equitable share of the recoverable oil and gas under its lands within the area.
- (d) That such agreement is in other respects for the best interests of the state, with respect to state lands.

NOW, THEREFORE, by virtue of the authority conferred upon me under Sections 7-11-39, 7-11-40, 7-11-41, 7-11-47, 7-11-48, New Mexico Statutes Annotated 1953 Compilation, I, the undersigned, Commissioner of Public Lands of the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the State, do hereby consent to and approve the said Agreement, and any leases embracing lands of the State of New Mexico within the area shall be and the same are hereby amended to conform with the terms thereof, and shall remain in full force and effect according to the terms and conditions of said Agreement. This approval is subject to all of the provisions of the aforesaid statutes.

IN WITNESS WHEREOF, this Certificate of Approval is executed, with seal affixed, this 16th day of <u>April</u> 1963.

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Commissioner of Public Lands

of the State of New Mexico

Revised
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1963

EXHIBIT A TO UNIT AGREEMENT HIME QUEEN UNIT LEA COUNTY, NEW MEXICO TRACT DESCRIPTION, TRACT OWNERSHIP AND TRACT PARTICIPATION PERCENTAGE

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Sec. 8, N/2 SW/4 and N/2 NW/4	Sec. 8, SE/4 NE/4	Sec. 7, SE/4 and NE/4	Sec. 8, W/2 NE/4	Sec. 8, NE/4 NE/4	Tract Description*
160.00	40.00	320.00	80.00	40.00	No. Acres
Shell Oil Company	Shell Oil Company	The Pure Oil Company	Wn. Yeager and Jim Armstrong	Shell Oil Company	Lessee of Record
E1079 November 12, 1946	E8265 June 15, 1954	0C265 October 16, 1956	E1386 July 10, 1947	E8265 June 15, 1954	State Lease No. and Date
State of New Mexico 12.50000	State of New Mexico 12.50000	State of New Mexico 12.50000	State of New Mexico 12.50000	State of New Mexico 12.50000 Shell Oil Co. 12.50000	Royalty Interest Ownership & Percentage
Shell Oil Company 100.00000	Shell Oil C ompany 100.00000	The Pure Oil Company	Mabee Royalties, 75,00009 J. M. Armstrong, 12,50000 W. A. Yeager, 12,50000	Donnelly Drilling Company 100.00000	Working Interest Ownership and Percentage
16.541934	10.091034	21.312850	4.623031	0 .961 538	Percentage Tract Participation

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Revised as of May 1, 1963

TO UNIT AGREEMENT HAVE QUEEN UNIT LEA COUNTY, NEW MEXICO TRACT DESCRIPTION, TRACT OWNERSHIP AND TRACT PARTICIPATION PERCENTAGE

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Sec. 8, S/2 NW/4	Sec. 8, SE/4	Sec. 7, E/2 SW/4	sec. 9, W/2 W/2	.ract Description*	
80.00	160.00	80.00	160.00	No. Acres	
Shell Oil Company	Phillips Pet- roleum Company	Cities Service Oil Company	Shell 0il Company	Lessee of Record	AND TRACT PAR
E1079 November 12, 1946	E1186 February 10, 1947	E990 S eptember 10, 1946	0G512 January 15, 1957	State Lease No. and Date	PARTICIPATION
State of New Mexico 12.50000 Shell Oil Company 6.25000	State of New Mexico 12.50000	State of New Mexico 12.50000	State of New Mexico 12.50000	Royalty Interest Ownership & Percentage	TICIPATION PERCENTAGE
C. W. Trainer, 25.0000 Roy G. Barton, 50.00000 J. Don Hudgens, Inc. 25.00000***	C. W. Trainer, 35,00000 Roy G. Barton, 50.00000 Carl J. Cahill, 7.50000 George Neill, 7.50000	Sinclair Oil & Gas Company 35.39378 Cities Service Oil Company 14.21011 Shell Oil Company 37.79705 Skelly Oil Company 12.59906	Shell Oil Company 100.00000	Working Interest Ownership and Percentage	
2.€24261	36 . <i>t</i> i32624	4.308822	1.442308	Percentage Tract Participation	

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Revised as of 'tay I, 1963

EXHIBIT A TO UNIT AGREEVENT HAVE QUEEN UNIT LEA COUNTY, NEW MEXICO TRACT DESCRIPTION, TRACT OWNERSHIP AND TRACT PARTICIPATION PERCENTAGE

10	Tract No.
Sec. 17, NW/4 NE/4	Tract Description*
40.00	No. Actes
Southern Union Gas Company	Lessee of Record
OG1215 August 20, 1957	State Lease No. and Date
State of New Mexico 12.50000 Southern Union Gas Company 12.50000	Royalty Interest Ownership ξ Percentage
C. W. Trainer, 8.33333 Carl J. Cahill, 8.33333***** C. R. McVar and Carmon J. Stafford 75.00000**** George H. Neill, 8.33333****	Working Interest Ownership and Percentage

Percentage Tract Participation

0.961538

TOTAL

•

100.000000

* .

**** *** All Tracts located in T16S, R34E. Tract 7 is a portion of the Seaman Unit and all Tract Participation will be credited to the Seaman Unit. Subject to an Oil Payment out of four fifths (4/5) of Interest to The First National Bank of Hobbs, New Mexico. Subject to a one third (1/3) Net Profit Interest.



WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of $\frac{16}{27}$ day of $\frac{112}{20}$ day of $\frac{112}{20}$, 1963, by various persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NNPM, Lea County, State of New Mexico.

The Unit Agreement, by Exhibit A, describes each Tract in the Unit Area, and, by Exhibit B, shows on a map the boundary lines of the Unit Area and the Tracts therein.

The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.

Now, therefore, each of the persons who signs this instrument is or claims to be a Working Interest Owner in one or more of the Tracts described in Exhibit A of the Unit Agreement, and each agrees to become a party to, and be bound by provisions of, the Unit Agreement and the Unit Operating Agreement as if he had signed the originals and agrees that the parties to the Unit Agreement and the Unit Operating Agreement are those that sign the originals, any counterparts of both instruments, or any instrument that evidences an intention to be so bound.
Executed as of the 16th day of March, 1963. Date: By_ Address Date: Mar 16 1963 - Junger M Will Elizabeth H. Mall Date: Mar 16 1963 Date: Date:__ Date: Date:

.

) ss.
	The foregoing instrument was acknowledged before me this
	day of, 1963, by,
	of,
	a corporation, on behalf of said corporation.
	My Commission Expires: NOTARY PUBLIC
	STATE OF <u>Lexa</u>) ss.
N. S.	COUNTY OF SUTTON()
	The foregoing instrument was acknowledged before me this
	day of March, 1963, by George & Neue
· · · · · · · · · · · · · · · · · · ·	······································
	Sue Linthicum
	My Commission Expires:
	-i ONE + 1963
	STATE OF Firet)
	STATE OF <u>FRAA</u>) ss.
	The foregoing instrument was acknowledged before me this
	day of <u>March</u> , 1963, by <u>Elizabeth H. Milli</u>

	My Commission Expires:
	fune 1 1963
	STATE OF
	STATE OF ss.
	COUNTY OF
	The foregoing instrument was acknowledged before me this
	day of, 1963, by

'Iy Commission Expires:

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other march Z. Marshall

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NOTARY PUBLIC

WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of $\frac{4627}{100}$ day of $\frac{400}{100}$, 1963, by various persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NMPM, Lea County, State of New Mexico.

The Unit Agreement, by Exhibit A, describes each Tract in the Unit Area, and, by Exhibit B, shows on a map the boundary lines of the Unit Area and the Tracts therein.

The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.

Executed as of the 1917 day of <u>Phrase</u>, 1963. Date: By_ Address Date: March 19 1963 aste Ris on 1. Date: Date: Date: . Date: Date:

The foregoing instr	
day of	, 1963, by
	of
a	corporation, on behall of said corporation
My Commission Expires:	NOTARY PUBLIC
STATE OF True Mie	lica)
COUNTY OF Les) ss.
The foregoing instrum	ment was acknowledged before me this 19th
day of	U. 1963, by May D' Barter
uize apal L	artan.
▲● [●] ***	
5 A ()	NOTALY DENIE 10
B - My Commission Expires:	NOTAKY PBULIC
	NOTAKY PBULIC
B My Commission Expires:	
B My Commission Expires:	
B My Commission Expires: MY COMMISSION EXPIRES DEC. S STATE OF COUNTY OF	ss.
B My Commission Expires: MY COMMISSION EXPIRES DEC. 8 STATE OF COUNTY OF The foregoing instrum	ss. ment was acknowledged before me this
B My Commission Expires: MY COMMISSION EXPIRES DEC. 8 STATE OF COUNTY OF The foregoing instrum day of	ss. ment was acknowledged before me this, 1963, by
B My Commission Expires: MY COMMISSION EXPIRES DEC. 8 STATE OF COUNTY OF The foregoing instrum	ss. ment was acknowledged before me this, 1963, by
B My Commission Expires: MY COMMISSION EXPIRES DEC. 8 STATE OF COUNTY OF The foregoing instrum day of	ss. ment was acknowledged before me this , 1963, by
B My Commission Expires: MY COMMISSION EXPIRES DEC. 8 STATE OF COUNTY OF The foregoing instrum day of My Commission Expires:	ss. ment was acknowledged before me this , 1963, by
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Ty Commission Expire

NOTARY PUBLIC

WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of $\frac{4}{4e^{27}}$ day of $\frac{4}{4e^{27}}$ day of $\frac{4}{4e^{27}}$, 1963, by various persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NMPM, Lea County, State of New Mexico.

The Unit Agreement, by Exhibit A, describes each Tract in the Unit Area, and, by Exhibit B, shows on a map the boundary lines of the Unit Area and the Tracts therein.

The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.

Executed as of the _____ day of _____, 1963.

By_

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Date: 3/20/63 Call. Cake

Address

- south

Date: 20163

Date:

Date:_____

Date:

Date:_____

Date:_____

	instrument was acknowle	
	, 1963, by	
a	of of	n behalf of said corpo
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My Commission Expin	res:	NOTARY PUBLIC
STATE OF	<u>, , , , , , , , , , , , , , , , , , , </u>	
COUNTY OF	<u>(</u>	
	nstrument was acknowled	
day of	(a, 1963, by	Citta Cane y
<u> </u>	······································	
		Ser C.
	· •	NOTARY PBULIC
My Commission Expin	res:	
My Commission Expin	res:	
My Commission Expin	res:	
STATE OF)	
STATE OF) ss.	
STATE OF COUNTY OF The foregoing in	ss. ss.	,
STATE OF COUNTY OF The foregoing in	nstrument was acknowled	,
STATE OF COUNTY OF The foregoing in	ss. ss.	,
STATE OF COUNTY OF The foregoing in	ss. ss. nstrument was acknowled , 1963, by	,
STATE OF COUNTY OF The foregoing in day of	ss. nstrument was acknowled , 1963, by res:	,
STATE OF COUNTY OF The foregoing in day of My Commission Expi	ss. nstrument was acknowled , 1963, by res:	,
STATE OF COUNTY OF The foregoing in day of My Commission Expi	ss. nstrument was acknowled , 1963, by res:	,
STATE OF COUNTY OF The foregoing in day of My Commission Expi	ss. nstrument was acknowled , 1963, by Tes:	,

'ly Commission Expires:

NOTARY PUBLIC

WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of $\frac{4}{4e27}$ day of $\frac{10}{10}$, New Mexico, both of which were persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NMPM, Lea County, State of New Mexico.

The Unit Agreement, by Exhibit A, describes each Tract in the Unit Area, and, by Exhibit B, shows on a map the boundary lines of the Unit Area and the Tracts therein.

The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.

Executed as of the 19th day of march, 1963. Big El. A of we Date: Attic St. E. S. Hurlycan Jerly, Jacon in happen By X P 48 x: Address Date: Date: Date: Date: Date: Date:_

W. Alle

A Alberta

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STATE OF The mexica) 55. COUNTY OF ______ The foregoing instrument was acknowledged before me this $19^{\frac{24}{2}}$ day of March, 1963, by Q. Don Hudgens President of J. Don Hudgen in Suc. a Dew mexico corporation, on behalf of said corporation. The ALLARY PUBLIC My Commission Expires: anary 23 1967 Sec. 20 STATE OF _____ ss. COUNTY OF The foregoing instrument was acknowledged before me this _____ day of _____, 1963, by___ NOTARY PBULIC My Commission Expires: STATE OF ______ ss. COUNTY OF The foregoing instrument was acknowledged before me this _____ day of _____, 1963, by _____ My Commission Expires: NOTARY PUBLIC STATE OF _____) ss. COUNTY OF The foregoing instrument was acknowledged before me this day of _____, 1963, by _____ My Communishing Expires: NOTARY PUBLIC

WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of <u>the 27th</u> day of <u>March</u>, 1963, by various persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NMPM, Lea County, State of New Mexico.

The Unit Agreement, by Exhibit A, describes each Tract in the Unit Area, and, by Exhibit B, shows on a map the boundary lines of the Unit Area and the Tracts therein.

The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.

Executed as of the 25th day of March, 1963.

By_

Address

BB Merz

Date:

Date: 3-71- 63 Date: 3-21-63

5 - 25 - 63Date: 3 - 25 - 63

Elizabeth Jun May. Carmon Stefful Hulde & Stapperk

Date:____

Date:

Date:

	COUNTY OF <u>LER</u>)	
	The foregoing instrume	nt was acknowl	edged before me this
	day of	, 1963, by	
		of	
	a	corporation,	on behalf of said corporation
	My Commission Expires:	-	NOTARY PUBLIC
	-		
	STATE OF OKLAHOMA)	
	COUNTY OF TULSA	ss.	
	The foregoing instrument	was acknowled	lged before me this 21st
, vir	day of March	, 1963, by	C. R. McVay
12 1			
•			Florence Laylor
•	No. Commission Francisco es	•	NOTARY PBULIC
	My Commission Expires:		
	January 8, 1967		
	January 8, 1967)	
))))) ss.	
	January 8, 1967 STATE OF <u>OKLAHOMA</u> COUNTY OF TULSA	ن ن	dged before me this 21st
	January 8, 1967 STATE OF <u>OKLAHOMA</u> COUNTY OF TULSA The foregoing instrument) t was acknowle	dged before me this21st Elizabeth McVay
· ·	January 8, 1967 STATE OF <u>OKLAHOMA</u> COUNTY OF TULSA) t was acknowle	
	January 8, 1967 STATE OF <u>OKLAHOMA</u> COUNTY OF TULSA The foregoing instrument) t was acknowle	Elizabeth McVay
· · ·	January 8, 1967 STATE OF <u>OKLAHOMA</u> COUNTY OF TULSA The foregoing instrument) t was acknowle	
· .	January 8, 1967 STATE OF COUNTY OF The foregoing instrument day of My Commission Expires:) t was acknowle	Elizabeth McVay
	January 8, 1967 STATE OF COUNTY OF TULSA The foregoing instrument day of March) t was acknowle	Elizabeth McVay
	January 8, 1967 STATE OF) t was acknowle , 1963, by 	Elizabeth McVay
	January 8, 1967 STATE OF) t was acknowle , 1963, by 	Elizabeth McVay
	January 8, 1967 STATE OF) t was acknowle , 1963, by 	Elizabeth McVay Ilarence Jaylor NOTARY PUBLAC
	January 8, 1967 STATE OF COUNTY OF The foregoing instrument day of My Commission Expires: January 8, 1967 STATE OF STATE OF COUNTY OF The foregoing instrument) t was acknowle, 1963, by	Elizabeth McVay <u>Ilarence Jaylor</u> NOTARY PUBLAC
	January 8, 1967 STATE OF COUNTY OF The foregoing instrument day of My Commission Expires: January 8, 1967 STATE OF STATE OF COUNTY OF The foregoing instrument) t was acknowle, 1963, by	Elizabeth McVay Ilarence Jaylor NOTARY PUBLAC

WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HUME QUEEN UNIT; LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of $\frac{1}{12}$ $\frac{27}{4}$ day of $\frac{1}{12}$ $\frac{1}{12}$ $\frac{1}{12}$ day of $\frac{1}{12}$ $\frac{$

The Unit Agreement, by Exhibit A, describes each Tract in the Unit Area, and, by Exhibit B, shows on a map the boundary lines of the Unit Area and the Tracts therein.

The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.

Executed as of the ______ day of ______, 1963. MABEE ROTALTI.S. INC. Date: March 29, 1963 -----1. Lantamain C. J. For y Secretary By____ Vice President Address . . *'*. Date: Date:_____ Date:____ Date:____ ____ Date:_____ Date:_____

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	COUNTY OF Survey) ss.			
	The foregoing instrum				
	day of <u>April</u>	_, 1963, by	(Intel no	
	The President	of	bu her	1 Procession	
	8 Calutare	_ corporatio	, on behalf	of said corpo	oratio
	•		211	2	
, 1 i.	My Commission Expires:		NO	TARY PUBLIC	
•••••					
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	CTATE OF	N			
	STATE OF	ss.			
	COUNTY OF) • • • • • • • • • • • • • • • •	adaad bafam		
	The foregoing instrumen		-	e me this	
	day of	, 1903, 0	y		÷.
			NO	TARY PBULIC	
	My Commission Expires:		NO	TARY PBULIC	
	My Commission Expires:		NO	TARY PBULIC	
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	STATE OF		NO	TARY PBULIC	
) 55.			
	STATE OF COUNTY OF The foregoing instrumen) 53.) it was acknow	ledged befor	e me this	
	STATE OF) 53.) it was acknow , 1963, b	ledged befor	e me this	
	STATE OF COUNTY OF The foregoing instrument day of) 53.) it was acknow , 1963, b	ledged befor	e me this	
	STATE OF COUNTY OF The foregoing instrument day of) 53.) it was acknow , 1963, b	ledged befor y	e me this	
	STATE OF COUNTY OF The foregoing instrumen day of) 53.) it was acknow , 1963, b	ledged befor y	e me this	
	STATE OF COUNTY OF The foregoing instrumen day of) 53.) it was acknow , 1963, b	ledged befor y	e me this	
	STATE OF COUNTY OF The foregoing instrumen day of My Commission Expires:) 53. 	ledged befor y	e me this	
	STATE OF COUNTY OF The foregoing instrumen day of) 53. 	ledged befor y	e me this	

My Commission Expires:

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NOTARY PUBLIC

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WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of 2 7 day of <u>MdRC</u>, 1963, by various persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NMPM, Lea County, State of New Mexico.

The Unit Agreement, by Exhibit A, describes each Tract in the Unit Area, and, by Exhibit B, shows on a map the boundary lines of the Unit Area and the Tracts therein.

The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.



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	Executed as of the 24 day	of
Date:		
	~	ByAddress
Date:	2. 24. 63	- Torregarian Sutry them is 1912 In amintung
		- In anna lang
Date:		

		nt was acknowledged before me this
	day of	, 1963, by
	a	of
	My Commission Expires:	NOTARY PUBLIC
	STATE OF TEXAS) ss.
	COUNTY CF MIDIAND)
	The foregoing instrument	was acknowledged before me this2th
	day of March	, 1963, byW. A. Yeager and wife, Patsy
	Goss Yeager	
1		
//	1.	Lily (Lily
·. ·	My Commission Expires:	I NOTACI POOLIC
	June 1, 1963	· · · ·
	STATE OF	ss.
	COUNTY OF))
	The foregoing instrument	was acknowledged before me this29th
	day of <u>March</u>	, 1963, byJ. M. Armstrong and wife,
	Mary Lee Armstrong	*
* . *.		NOTARY PUBLIC
	My Commission Expires:	NOTARY PUBLIC
	June 1, 1963.	
	STATE OF)
)
	COUNTY OF	
	COUNTY OF The foregoing instrument	t was acknowledged before me this, 1963, by

ty Courission Expires:

NOTARY PUBLIC

WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HEME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of 27^{-4} day of <u>March</u>, 1963, by various persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NMPM, Lea County, State of New Mexico.

The Unit Agreement, by Exhibit A, describes each Tract in the Unit Area, and, by Exhibit B, shows on a map the boundary lines of the Unit Area and the Tracts therein.

The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.

MARCH 27TH. Executed as of the #1774 day of , 1963.

Date: APRIL 11, 1963 JONNELLY JEILLING CO., INC. By _____ Pros. Pros. P.O. Box 439 Address ARTESIA N.M.

Date:	Januari I. Santa da Katala da Katala		-		
Date:					
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<i>Datt</i> .			-		
Date:					

STATE OF NEW MEXICO) ss. COUNTY OF EDDY

The foregoing instrument was acknowledged before me this 11774.

day of APRIL, 1963, by T.H. DONNELLY PRESIDENT OF JONNELLY JRILLING CO, INC. a NEW MEXICo corporation, on behalf of said corporation. ;;

My Commission Expires: APRIL 6, 1966

STATE OF SS. COUNTY OF

The foregoing instrument was acknowledged before me this

day of _____, 1963, by_____

My Commission Expires:

COUNTY OF

STATE OF ______ SS.

The foregoing instrument was acknowledged before me this

day of _____, 1963, by _____

My Commission Expires:

NOTARY PUBLIC

NOTARY PBULIC

STATE OF _____) ss.

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COUNTY OF

The foregoing instrument was acknowledged before me this

day of _____, 1963, by

dy Courssion Expires:

NOTARY PUBLIC

WORKING INTEREST OWNER

AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of <u>27th</u> day of <u>March</u>, 1963, by various persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NMPM, Lea County, State of New Mexico.

The Unit Agreement, by Exhibit A, describes each Tract in the Unit Area, and, by Exhibit B, shows on a map the boundary lines of the Unit Area and the Tracts therein.

The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.

Executed as of the 29 TH day of MARCH, 1963. agid as to c. C. Date: March 29, 1963 SKELLY OIL COMPANY ATTEST: Jon Kihip By Color Thenilf Assistant Address P. O. Box 1650, Tulsa, Oklahoma Date:__ Date: _____ Date: Date: Date:_ Date:____

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The foregoing instru	ument was ackno	wledged be	fore me this	294	
day of March	, 1963, by _	C L	15 Pach	l. h. l.	
- Vice & resident	of	Reily (Li Comp		•
a Velaware	corporation	, on behalf	f of said cor	poration.	•
		4	1.	7	•
My Commission Expires: My Commission Expires May 31, 1963		NO	TARY PUBLIC	- Clare	و
		•		· · · ·	
STATE OF					
COUNTY OF) ss.)				
The foregoing instrume	nt was acknowle	edged befor	e me this		
	, 1963, by				
,					
My Commission Expires:		NO	TARY PBULIC		•
My Commission Expires:		NO	TARY PBULIC	*******	•
My Commission Expires:		NO	TARY PBULIC		
	 `	NO	TARY PBULIC	****	·
STATE OF)) ss.	NO	TARY PBULIC		
STATE OF) ss)				
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STATE OF COUNTY OF The foregoing instrumer) ss.) nt was acknowle	edged before	e me this		
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STATE OF COUNTY OF The foregoing instrumer day of My Commission Expires:) ss. 	edged before	e me this		
STATE OF COUNTY OF The foregoing instrumer day of My Commission Expires:) ss. 	edged before	e me this		
STATE OF COUNTY OF The foregoing instrumer day of My Commission Expires:) ss. , i963, by 	edged before	e me this		
STATE OF COUNTY OF The foregoing instrumer day of My Commission Expires: My Commission Expires: STATE OF COUNTY OF The foregoing instrumen) ss. nt was acknowle , 1963, by 	dged before	e me this		
STATE OF COUNTY OF The foregoing instrumer day of My Commission Expires:) ss. nt was acknowle , 1963, by 	dged before	e me this		

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R.

ROYALTY OWNER

AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT

HUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, Hume Queen Unit, Lea County, New Mexico, which was executed as of $\frac{1}{1.272}$ day of \frac

The Unit Agreement, by Exhibit A, describes each Tract in the Unit Area, and, by Exhibit B, shows on a map the boundary lines of the Unit Area and the Tracts therein.

The Unit Agreement provides that any person therein defined as a Royalty Owner may become a party to the Unit Agreement by signing the original Unit Agreement, a counterpart, or other instrument that evidences an intention to be bound by its terms.

Now, therefore, each of the persons who signs this instrument is or claims to be a Royalty Owner in one or more of the Tracts described in Exhibit À of the Unit Agreement, and each agrees to become a party to, and be bound by the provisions of, the Unit Agreement, as if he had signed the original, and agrees that the parties to the Unit Agreement are those that sign the original, any counterpart, or any instrument that evidences an intention to be so bound. Executed as of the 20th day of March , 1963.

.....

ن	Date: March 20, 1963	SOUTHERN UNION PRODUCTION COMPANY
	ATTEST: B Comman Sorkaut Assistant Secretary	By
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UNIT AGREEMENT HAME QUEEN UNIT LEA COUNTY, NEW MEXICO

THIS ACREEMENT, entered into as of the _____ day of ______, 1963, by the parties who have signed the original of this instrument, a counterpart thereof, or other instrument agreeing to be bound by the provisions hereof;

WITNESSETH:

MIEREAS, In the interest of the public welfare and to promote conservation and increase the ultimate recovery of oil, gas, and associated minerals from the Hume Queen Field, in Lea County, State of New Mexico, and to protect the rights of the owners of interests therein, it is deemed necessary and desirable to enter into this agreement to unitize the Oil and Gas Rights in and to the Unitized Formation in order to conduct a secondary recovery, pressure maintenance, or other recovery program as herein provided; and

WHEREAS, The Commissioner of Public Lands of the State of New Mexico is authorized by an Act of the Legislature, Laws of 1951, Chapter 7, Article 2, Section 41 New Mexico Statutes, 1953, Annotated to consent to or approve this agreement on behalf of the State of New Mexico, insofar as it covers and includes lands and mineral interest of the State of New Mexico; and

WHEREAS, the Oil Conservation Commission of the State of New Mexico is authorized by law (Chap. 72, Laws of 1935, as amended by Chap 193, Laws of 1937, Chap. 166, Laws of 1941, and Chap. 168, Laws of 1949) to approve this agreement and the conservation provisions hereof;

NOW, THEREFORE, In consideration of the premises and of the mutual agreements herein contained; it is agreed as follows:

ARTICLE 1

DEFINITIONS

As used in this agreement, the terms herein contained shall have the following meaning:

1.1 Unit Area means the lands described by Tracts in Exhibit A and shown on Exhibit B as to which this agreement become effective or to which it may be extended as herein provided. 1.2 Unitized Formation means that subsurface portion of the Unit Area commonly known or described as follows: The Queen Sand Formation encountered in the drilling of the J. Don Hudgens Phillips State No. 3 now known as the C. W. Trainer Phillips State No. 3 well between the depths of Three Thousand Nine Hundred and Twenty Two (3922) feet and Three Thousand Nine Hundred and Forty Four (3944) feet as shown by the Gamma Ray-Neutron Log of said well which is located 1980 feet from South line and 660 feet from East line of Section 8, Township 16 South, Range 34 East, Lea County, New Mexico.

1.3 Unitized Substances means all oil, gas, gaseous substances, sulphur contained in gas, condensate, distillate, and all associated and constituent liquid or liquefiable hydrocarbons within or produced from the Unitized Formation.

1.4 <u>Working Interest</u> means an interest in Unitized Substances by virtue of a lease, operating agreement, fee title, or otherwise, including a carried interest, which interest is chargeable with and obligated to pay or bear, either in cash or out of production or otherwise, all or a portion of the cost of drilling, developing, producing, and operating the Unitized Formation. Any interest in Unitized Substances which is a Working Interest as of the date the owner thereof executes or ratifies this Agreement shall thereafter be treated as a Working Interest for all purposes of this Agreement.

1.5 <u>Royalty Interest</u> means a right to or interest in any portion of the Unitized Substances or proceeds thereof other than a Working Interest.

1.6 Royalty Owner means a party hereto who owns a Royalty Interest.

1.7 <u>Working Interest Owner</u> means a party hereto who owns a Working Interest. The owner of oil and gas rights that are free of lease or other instrument conveying the Working Interest to another shall be regarded as a Working Interest Owner to the extent of seven-eights (7/8) of his interest in Unitized Substances, and as a Royalty Owner with respect to his remaining one-eighth (1/8) interest therein.

1.8 <u>Tract</u> means each parcel of land having a common ownership described as such and given a Tract number in Exhibit A.

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1.9 Unit Operating Agreement means that Agreement entitled "Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico" of the same effective date as the effective date of this Agreement and which is entered into by Working Interest Owners.

1.10 <u>Unit Operator</u> means the Working Interest Owner designated by Working Interest Owners under the Unit Operating Agreement to develop and operate the Unitized Formation, acting as operator and not as a Working Interest Owner.

1.11 <u>Tract Participation</u> means the percentage shown on Exhibit A for allocating Unitized Substances to a Tract under this agreement.

1.12 <u>Unit Participation</u> of each Working Interest Owner means the sum of the percentages obtained by multiplying the Working Interest of such Working Interest Owner in each Tract by the Tract Participation of such Tract.

1.13 <u>Outside Substances</u> means all substances obtained from any source other than the Unitized Formation and which are injected into the Unitized Formation.

1.14 <u>Total Tract Production</u> means the total oil production from the Unitized Formation under each Tract from January 1, 1962, to November 1, 1962, inclusive as reported to the Oil Conservation Commission of the State of New Mexico by operators of the individual Tracts.

1.15 <u>Total Unit Area Production</u> means the summation of the oil production defined in Section 1.14 of all Tracts in the Unit Area.

1.16 <u>Tract Well Factor</u> means the total well points for all wells on a Tract where a producer equals 3 points, a cased dry hole equals 2 points, and an uncased dry hole equals 1 point.

1.17 <u>Total Unit Area Well Factor</u> means the summation of the Tract Well Factors as defined in Section 1.16 for all Tracts in the Unit Area.

1.18 <u>Tract Cumulative Production</u> means the total cumulative oil production from the Unitized Formation under each Tract to November 1, 1962, as reported to the Oil Conservation Commission of the State of New Mexico by operators of the individual Tracts.

-- 3 --
1.19 <u>Total Unit Area Cumulative Production</u> means the summation of the cumulative oil production defined in Section 1.18 of all Tracts in the Unit Area.

1.20 <u>Oil and Gas Rights</u> means the right to explore, develop, and operate lands within the Unit Area for the production of Unitized Substances, or to share in the production so obtained or the proceeds thereof.

1.21 <u>Unit Operations</u> means all operations conducted by Working Interest Owners or Unit Operator pursuant to this agreement and the Unit Operating Agreement for or on account of the development and operations of the Unitized Formation for the production of Unitized Substances.

1.22 Unit Equipment means all personal property, lease and well equipment, plants, and other facilities and equipment taken over or otherwise acquired for the joint account for use in Unit Operations.

1.23 Unit Expense means all cost, expense, or indebtedness incurred by Working Interest Owners or Unit Operator pursuant to this agreement and the Unit Operating Agreement for or on account of Unit Operations.

1.24 Unless the context otherwise clearly indicates, words used in the singular include the plural, the plural include the singular, and the neuter gender include the masculine and the feminine.

ARTICLE 2

EXHIBITS

2.1 <u>Exhibits.</u> Attached hereto are the following exhibits which are incorporated herein by reference:

2.1.1 Exhibit A, which is a schedule that describes each

Tract in the Unit Area and shows its Tract Participation.

2.1.2 Exhibit B, which is a map that shows the boundary lines

of the Unit Area and the Tracts therein.

2.2 <u>Reference to Exhibits.</u> When reference herein is made to an exhibit, the reference is to the Exhibit as originally attached or, if revised, to the latest revision.

2.3 <u>Exhibits Considered Correct.</u> An exhibit shall be considered to be correct until revised as herein provided.

2.4 <u>Correcting Errors.</u> The shapes and descriptions of the respective Tracts have been established by using the best information available. If it subsequently appears that any Tract, because of diverse royalty or working interest ownership on the effective date hereof, should be divided into more than one Tract, or that any mechanical miscalculation has been made, Unit Operator, with the approval of Working Interest Owners, may correct the mistake by revising the exhibits to conform to the facts. The revision shall not include any re-evaluation of engineering or geological interpretations used in determining Tract Participation. Each such revision of an exhibit shall be effective at 7:00 a.m. on the first day of the calendar month next following the filing for record of the revised exhibit or on such other date as may be determined by Working Interest Owners and set forth in the revised exhibit.

19-14 19-14

> 2.5 <u>Filing Revised Exhibits.</u> If an exhibit is revised pursuant to this agreement, Unit Operator shall certify and file the revised exhibit with the Commissioner of Public Lands of the State of New Mexico and for record with the County Clerk of Lea County, New Mexico.

ARTICLE 3

CREATION AND EFFECT OF UNIT

3.1 <u>Oil and Gas Rights Unitized.</u> Subject to the provisions of this agreement, all Oil and Gas Rights of Royalty Owners in and to the lands described in Exhibit A, and all Oil and Gas Rights of Working Interest Owners in and to said lands, are hereby unitized insofur as the respective Oil and Gas Rights pertain to the Unitized Formation, so that Operations may be conducted as if the Unitized Formation had been included in a single lease executed by all Royalty Owners, as lessors, in favor of all Working Interest Owners, as lessees, and as if the lease had been subject to all of the provisions of this agreement.

3.2 <u>Personal Property Excepted.</u> All lease and well equipment, materials, and other facilities heretofore or hereafter placed by any of the Working Interest Owners on the lands covered hereby shall be deemed to be and shall remain personal magnetic selenging to and may be removed by the Working Interest Owners. The rights and interests therein as among Working

-5-

Interest Owners are covered by the Unit Operating Agreement.

3.3 <u>Amendment of Leases and Other Agreements.</u> The provisions of the various leases, agreements, division and transfer orders, or other instruments covering the respective Tracts or the production therefrom are amended to the extent necessary to make them conform to the provisions of this agreement, but otherwise shall remain in effect.

3.4 <u>Continuation of Leases and Term Royalties</u>. Unit Operations conducted on any part of the Unit Area shall be considered with respect to leases and term royalties as follows:

> 3.4.1 Operations, including drilling operations, conducted with respect to the Unitized Formation on any part of the Unit Area, or production from any part of the Unitized Formation, except for the purpose of determining payments to Royalty Owners, shall be considered as operations upon or production from each Tract, and such operations or production shall continue in effect each lease or term royalty interest as to all lands covered thereby just as if such operations had been conducted and a well had been drilled on and was producing from each Tract.

> 3.4.2 Any lease embracing lands of the State of New Mexico which is made subject to this Agreement shall continue in force beyond the term provided therein as to the lands committed hereto until the termination hereof.

> 3.4.3 Any lease embracing lands of the State of New Mexico having only a portion of its land committed hereto, shall be segregated as to the portion committed and that portion not committed, and the terms of such lease shall apply separately as to such segregated portions commencing as of the effective date hereof. Notwithstanding any of the provisions of this agreement to the contrary, any lease embracing lands of the State of New Mexico having only a portion of its land committed hereto shall continue in full force and effect beyond the term provided therein as to and lands embraced in such lease (whether within or without the Unit Area), (i) if, and for so long as Unitized Substances are

> > -6-

capable of being produced in paying quantities from some part of the lands embraced in such lease committed to this agreement, or (ii) if, and for so long as some part of the lands embraced in such State lease are allocated Unitized Substances; or (iii) if, at the expiration of the secondary term, the lessee or the Unit Operator is then engaged in bona fide drilling or reworking operations on some part of the lands embraced therein and for so long as such operations are being diligently prosecuted, and if they result in the production of Unitized Substances, said lease shall continue in full force and effect as to all the lands embraced therein, as provided in (i) and (ii) above.

3.5 <u>Titles Unaffected by Unitization</u>. Nothing herein shall be construed to result in the transfer of title to the Qil and Gas Rights by any party hereto to any other party or to Unit Operator. The intention is to provide for the cooperative development and operation of the Tracts and for the sharing of Unitized Substances as herein provided.

3.6 <u>Injection Rights.</u> Royalty Owners hereby grant unto Working Interest Owners the right to inject into the Unitized Formation any substances in whatever amounts Working Interest Owners deem expedient for Unit Operations, including the right to drill and maintain injection wells on the Unit Area and to use producing or abandoned oil or gas wells or wells that have never been produced for such purposes.

3.7 <u>Development Obligation</u>. Nothing herein shall relieve Working Interest Owners from the obligation to develop reasonably as a whole the lands and leases committed hereto.

ARTICLE 4

PLAN OF OPERATIONS

4.1 <u>Unit Operator.</u> Working Interest Owners are as of the effective date of this Agreement entering into the Unit Operating Agreement designating C. W. Trainer as Unit Operator. Unit Operator shall have the exclusive right to conduct Unit Operations. The operations shall conform to the provisions of this Agreement and the Unit Operating Agreement. If there is any conflict between such Agreements this Agreement shall govern.

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4.2 <u>Operating Methods</u>. To the end that the quantity of Unitized Substances ultimately recoverable may be increased and waste prevented, Working Interest Owners shall, with diligence and in accordance with good engineering and production practices, engage in methods of operation of the Unit Area which from time to time will in their judgment be conducive to that end within practicable economic limits, including water flooding operations and such other pressure maintenance, repressuring and secondary recovery operations as may be deemed by them to be necessary or proper to achieve that end.

4.3 <u>Change of Operating Methods.</u> Nothing herein shall prevent Working Interest Owners from discontinuing or changing in whole or in part any method of operations which, in their opinion, is no longer in accord with good engineering or production practices. Other methods of operation may be conducted or changes may be made by Working Interest Owners from time to time if determined by them to be feasible, necessary, or desirable to increase the ultimate recovery of Unitized Substances.

ARTICLE 5

TRACT PARTICIPATION

5.1 <u>Tract Participation</u>. The Tract Participation of each Tract is shown on Exhibit A. The participation percentages shown in Exhibit A were determined in accordance with the following formula:

X	25
Х	25

Tract Cumulative Production Total Unit Area Cumulative Production X 50

= Tract Participation Percentage

5.2 <u>Relative Tract Participations.</u> If the Unit Area is enlarged or reduced, the revised Tract Participations of the Tracts remaining in the Unit Area and which were within the Unit Area prior to the enlargement or reduction shall remain in the same ratio one to another.

-ARTICLE 6

ALLOCATION OF UNITIZED SUBSTANCES

6.1 <u>Allocation to Tracts.</u> All Unitized Substances produced and saved shall be allocated to the several Tracts in accordance with the respective Tract Participations effective during the period that the Unitized Substances were produced. The amount of Unitized Substances allocated to each Tract, regardless of whether it is more or less than the actual production of Unitized Substances from the well or wells, if any, on such Tract, shall be deemed for all purposes to have been produced from such tract.

6.2 <u>Distribution Within Tracts.</u> The Unitized Substances allocated to each Tract shall be distributed among, or accounted for to, the parties entitled to share in the production from such Tract in the same manner, in the same proportions, and upon the same conditions as they would have participated and shared in the production from such Tract, or in the proceeds thereof, had this agreement not been entered into, and with the same legal effect. If any Oil and Gas Rights in a Tract hereafter become divided and owned in severalty as to different parts of the Tract, the owners of the divided interest, in the absence of an agreement providing for a different division, shall share in the Unitized Substances allocated to the Tract, or in the proceeds thereof, in proportion to the surface acreage of their respective parts of the Tract.

6.3 <u>Taking Unitized Substances in Kind.</u> The Unitized Substances allocated to each Tract shall be delivered in kind to the respective parties entitled thereto by virtue of the ownership of Oil and Gas Rights therein or by purchase from such owners. Such parties shall have the right to construct, maintain, and operate within the Unit Area all necessary facilities for that purpose, provided that they are so constructed, maintained, and operated as not to interfere with the Unit Operations. Any extra expenditures incurred by Unit Operator by reason of the delivery in kind of any portion of the Unitized Substances shall be borne by the receiving party. If a Royalty Owner has the right to take in Lind a share of Unitized Substances and fails to do so, the working incerest owner whose working Interest is subject to such Royalty Interest shall be entitled to take in kind such share of the Unitized Substances.

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6.4 Failure to Take in Kind. If any party fails to take in kind or separately dispose of its share of Unitized Substances, Unit Operator shall have the right, but not the obligation, for the time being and subject to revocation at will by the party owning the share, to purchase for its own account or sell to others such share at not less than the average market price for all such sales from the Unitized Formation; provided that, all contracts of sale by Unit Operator of any other party's share of Unitized Substances shall be only for such reasonable periods of time as are consistent with the minimum needs of the industry under the circumstances, but in no event shall any such contract be for a period in excess of one year. The proceeds of the Unitized Substances so disposed of by Unit Operator shall be paid to the party entitled thereto. If, under the provisions of this paragraph, Unit Operator contracts to sell in interstate commerce any gas not taken in kind or separately disposed of by the owning party, Unit Operator shall give such owning party ninety (90) days notice of such sale.

6.5 <u>Responsibility for Royalty Settlements.</u> Any party receiving in kind or separately disposing of all or part of the Unitized Substances allocated to any Tract or receiving the proceeds therefrom shall be responsible for the payment thereof to the persons entitled thereto, and shall indemnify all parties hereto, including Unit Operator, against any liability for all royalties, overriding royalties, production payments, and all other payments chargeable against or payable out of such Unitized Substances or the proceeds therefrom.

ARTICLE 7

PRODUCTION AS OF THE EFFECTIVE DATE

7.1 <u>Oil in Lease Tanks.</u> Unit Operator shall gauge all lease and other tanks within the Unit Area to ascertain the amount of merchantable oil produced from the Unitized Formation in such tanks, above the pipe line connections, as of 7:00 a.m. on the effective date hereof. The oil that is a part of the prior allowable on the wells from which it was produced shall remain the property of the parties entitled thereto the same as if the Unit had not been formed. Any such oil not promptly removed may be sold by the Unit Operator for the account of the parties entitled thereto, subject to the payment of all royalties, overriding royalties, production payments, and all other payments under the provisions of the applicable lease or other contracts. The oil that is in excess of the prior allowable of the wells from which it was produced shall be regarded as Unitized Substances produced after the effective date hereof.

7.2 Overproduction. If, as of the effective date hereof, any Tract is overproduced with respect to the allowable of the wells on that Tract and the amount of overproduction has been sold or otherwise disposed of, such overproduction shall be regarded as a part of the Unitized Substances produced after the effective date hereof and shall be charged to such Tract as having been delivered to the parties entitled to Unitized Substances allocated to such Tract.

ARTICLE 8

USE OR LOSS OF UNITIZED SUBSTANCES

8.1 Use of Unitized Substances. Working Interest Owners may use as much of the Unitized Substances as they deem necessary for Unit Operations, including but not limited to the injection thereof into the Unitized Formation. 8.2 <u>Royalty Payments.</u> No royalty, overriding royalty, production, or other payments shall be payable upon, or with respect to, Unitized Substances used or consumed in Unit Operations, or which otherwise may be lost or consumed in the production, handling, treating, transportation, or storing of Unitized Substances.

ARTICLE 9

TRACTS TO BE INCLUDED IN UNIT

9.1 <u>Qualification of Tracts.</u> On and after the effective date hereof and until the enlargement or reduction thereof, the Unit Area shall be composed of the Tracts listed in Exhibit A that qualify as follows:

> 9.1.1 Each tract as to which Working Interest Owners owning one hundred percent (100%) of the Working Interest have become parties to this agreement and as to which Royalty Owners owning eighty five percent (85%) or more of the Royalty Interest have become parties to this agreement.

9.1.2 Each Tract as to which Working Interest Owners owning one hundred percent (100%) of the Working Incerest have become parties to this agreement, and as to which Royalty Owners owning less than eighty five percent (85%) of the Royalty Interest have become parties to this agreement, and as to which (a) all Working Interest Owners in such Tract have joined in a request for the inclusion of such Tract in the Unit Area, and as to which (b) eighty five percent (85%) of the combined voting interests of Working Interest Owners in all Tracts that meet the requirements of Section 9,1,1 have voted in favor of the inclusion of such Tract. For the purpose of this Section 9.1.2, the voting interests of a Working Interest Owner shall be equal to the ratio that its Unit Participation attributable to Tracts that qualify under Section 9.1.1 bears to the total Unit Participation of all Working Interest Owners attributable to all Tracts that qualify under Section 9.1.1. 9.1.3 Each Tract as to which Working Interest Owners owning less than one hundred percent (100%) of the Working Interest have become parties to this agreement, regardless of the percentage of Royalty Interest therein that is committed hereto; and as to which (a) the Working Interest Owner who operates the Tract and all of the other Working Interest Owners in such Tract who have become parties to this agreement have joined in a request for inclusion of such Tract in the Unit Area, and have executed and delivered an indemnity agreement agreeing to indemnify and hold hamnless the other Working Interest Owners in the Unit Area, their successors and assigns, against all claims and demands that may be made by the owners of Working Interests in such Tract who are not parties to this agreement, and which arise out of the inclusion of the Tract in the Unit Area; and as to which (b) eighty five percent (85%) of the combined voting interest of Working Interest Owners in all Tracts that meet the requirements of Sections 9,1.1 and 9.1.2 have voted in favor of the inclusion of such Tract and to accept the indemnity agreement. For the purpose of this Section 9.1.3, the voting interest of each Working Interest Owner shall be equal to the ratio that its Unit Participation attributable to Tracts that qualify under Section 9.1.1 and 9.1.2 bears to the total Unit Participation of all Working Interest Owners attributable to all Tracts that qualify under Sections 9.1.1 and 9.1.2. Upon the inclusion of such a Tract in the Unit Area, the Unit Participation that would have been attributed to the nonsubscribing owners of the Working Interest in such Tract, had they become parties to this agreement and the Unit Operating Agreement, shall be attributed to the Working Interest Owners in such Tract who have become parties to such agreement, in proportion to their respective Working Interests in the Tract.

9.2 <u>Subsequent Committment of Interest to Unit.</u> After the effective date hereof, the committment of any interest in any Tract within the Unit Area shall be upon such terms as may be negotiated by Working Interest Owners and the owner of such interest and upon approval by the Commissioner of Public Lands.

9.3 <u>Revision of Exhibits.</u> If any of the Tracts in Exhibit A tail to qualify for inclusion in the Unit Area on the effective date hereof Unit Operator shall recompute, using the original basis of computation, the Tract Participation of each of the qualifying Tracts and shall revise Exhibits A and B accordingly, to be effective as of the effective date hereof upon approval by the Commissioner of Public Lands of the State of New Mexico.

ARTICLE 10

TITLES

10.1 <u>Removal of Tract from Unit Area.</u> If a Tract ceases to have sufficient Working Interest Owners or Royalty Owners committed to this agreement to meet the conditions of Article 9 because of failure of title of any party hereto, such Tract shall be removed from the Unit Area effective as of the first day of the calendar month in which the failure of title is finally determined; however, the Tract shall not be removed from the Unit Area, if, within ninety (90) days of the date of final determination of the failure of title, the Tract requalifies under a Section of Article 9.

10.2 <u>Revision of Exhibits.</u> If a Tract is removed from the Unit Area because of the failure of title, Unit Operator, subject to Section 5.2, shall recompute the Tract Participation of each of the Tracts remaining in the Unit Area and shall revise Exhibits A and B accordingly. The revised exhibits shall be effective as of the first day of the calendar month in which such failure of title is finally determined.

10.3 <u>Working Interest Titles.</u> If title to a Working Interest fails, the rights and obligations of Working Interest Owners by reason of the failure of title shall be governed by the Unit Operating Agreement.

10.4 <u>Royalty Owner Titles.</u> If title to a Royalty Interest fails, but the Tract to which it relates is not removed from the Unit Area, the party whose title failed shall not be entitled to share hereunder with respect to such interest. 10.5 <u>Production Where Title is in Dispute.</u> If the title or right of any party claiming the right to receive in kind all or any portion of the Unitized Substances allocated to a Tract is in dispute, Unit Operator at the discretion of Working Interest Owners shall either:

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(a) require that the party to whom such Unitized Substances are delivered or to whom the proceeds thereof are paid, furnish security for the proper accounting therefor to the rightful owner if the title or right of such party fails in whole or in part, or

(b) withhold and market the portion of Unitized Substances with respect to which title or right is in dispute, and impound the proceeds thereof until such time as the title or right thereto is established by a final judgment of a court of competent jurisdiction or otherwise to the satisfaction of Working Interest Owners, whereupon the proceeds so impounded shall be paid to the party rightfully entitled thereto.

10.6 Payment of Taxes to Protect Title. The owners of (1) the surface rights to lands within the Unit Area, (2) the several mineral or Royalty Interests in the lands, and (3) the improvements located on the lands not utilized for Unit Operations, shall individually be responsible for the rendition and assessment for ad valorem tax purposes of all such property, and for the payment of such taxes, except as otherwise provided in any contract or agreement between such owners and a Working Interest Owner. If any ad valorem taxes are not paid by such owner responsible therefor when due, Unit Operator may, with approval of Working Interest Owners, at any time prior to tax sale, or expiration of period of redemption after tax sale, pay the same, redeem such property, and discharge such tax liens as may arise through non-payment. Any such payment shall be treated as an item of Unit Expense. Unit Operator shall, if possible, withhold from any proceeds derived from the sale of Unitized Substances otherwise due to any delinquent taxpayer or taxpayers an amount sufficient to defray the costs of such payment or redemption, such withholding to be credited to the joint account. Such withholding shall be without prejudice to any other remedy, either at law or at equity, which may be available for exercise by the Unit Operator or by the Working Interest Owners,

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ARTICLE 11

EASEMENTS OR USE OF SURFACE

11.1 <u>Grant of Easements.</u> The parties hereto, to the extent of their rights and interest, hereby grant to Working Interest Owners the right to use as much of the surface of the land within the Unit Area as may reasonably be necessary for Unit Operations; provided that, nothing herein shall be construed as leasing or otherwise conveying to Working Interest Owners a site for a water, gas injection, processing or other plant, or camp site.

11.2 <u>Use of Water.</u> Working Interest Owners shall have free use of water from the Unit Area for Unit Operations, except water from any well, lake, pond, or irrigation ditch of a Royalty Owner.

11.3 <u>Surface Damages</u>. Working Interest Owners shall pay the owner for damages to growing crops, timber, fences, improvements, and structures on the Unit Area that result from Unit Operations.

ARTICLE 12

ENLARGEMENTS OF UNIT AREA

12.1 <u>Enlargements of Unit Area.</u> The Unit Area may be enlarged to include acreage reasonably proved to be productive, upon such terms as may be determined by Working Interest Owners and upon approval by the Commissioner of Public Lands of the State of New Mexico and the Oil Conservation Commission of the State of New Mexico, including but not limited to, the following:

12.1.1 The acreage shall qualify under a Section of Article9.

12.1.2 The participation to be allocated to the acreage shall be reasonable, fair, and based on all available information. 12.1.3 There shall be no retroactive allocation or adjustment of Unit Expense or of interests in the Unitized Substances produced, or proceeds thereof; however, this limitation shall not prevent an adjustment of investment by reason of the enlargement.

12.1.4 The execution or ratification of this Agreement, by a person owning a Royalty Interest in any Tract being brought into

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the Unit Area by an enlargement, shall have the effect of committing to the Unit his Royalty Interest in each Tract being added to the Unit, as well as in each Tract previously included in the Unit Area.

12.2 Determination of Tract Participation. Unit Operator, subject to Section 5.2, shall determine the Tract Participation of each Tract within the Unit Area as enlarged, and shall revise Exhibits A and B accordingly.

12.3 <u>Effective Date.</u> The effective date of any enlargement of the Unit Area shall be 7:00 a.m. on the first day of the calendar month following approval by the Commissioner of Public Lands and compliance with conditions for enlargement as specified by Working Interest Owners, approval of the enlargement by the appropriate governmental authority, if required, and the filing for record of revised Exhibits A and B in the records of the County or Counties in which this agreement is recorded.

ARTICLE 13

CHANGE OF TITLE

13.1 <u>Covenant Running With the Land.</u> This agreement shall extend to, be binding upon, and inure to the benefit of, the respective heirs, devisees, legal representatives, successors, and assigns of the parties hereto, and shall constitute a covenant running with the lands, leases, and interest covered hereby.

13.2 <u>Notice of Transfer.</u> Any conveyance of all or any part of any interest owned by any party hereto with respect to any Tract shall be made expressly subject to this agreement. No change of title shall be binding on the Unit Operator, or upon any party hereto other than the party so transferring, until the first day of the calendar month next succeeding the date of receipt by Unit Operator of a photocopy or a certified copy of the recorded instrument evidencing such change of ownership.

13.3 <u>Waiver of Rights to Partition</u>. Each party hereto covenants that, during the existence of this agreement, it will not resort to any action to partition the Unit Area or the Unit Equipment, and to that extent waives the benefits of all laws authorizing such partition.

13.4 <u>New Interest</u>. If any Working Interest Owner shall, after executing this agreement, create any overriding royalty, production payment, or

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other similar interest, hereafter referred to as "New Interest", out of its interest subject to this agreement, such New Interest shall be subject to all the terms and provisions of this agreement. In the event the Working Interest Owner, owning the interest from which the New Interest was created, withdraws from this agreement under the terms of Section 17.1 of the Unit Operating Agreement, or fails to pay any expenses and costs chargeable to it under this agreement and the production to the credit of such Working Interest Owner is insufficient for that purpose, the owner of the New Interest will be liable for the pro rata portion of all costs and expenses for which the original Working Interest Owner, creating such New Interest, would have been liable by virtue of his ownership of the New Interest had the same not been transferred. In this event, the lien provided in Section 20.3 may be enforced against such New Interest. If the owner of the New Interest bears a portion of the costs and expenses or the same is enforced against such New Interest, the owner of the New Interest will be subrogated to the rights of the Unit Operator with respect to the interest primarily chargeable with such costs and expenses.

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ARTICLE 14

RELATIONSHIP OF PARTIES

14.1 <u>No Partnership.</u> The duties, obligations, and liabilities of the parties hereto are intended to be several and not joint or collective. This agreement is not intended to create, and shall not be construed to create, an association or trust, or to impose a partnership duty, obligation, or liability with regard to any one or more of the parties hereto. Each party hereto shall be individually responsible for its own obligations as herein provided.

14.2 <u>No Sharing of Market</u>. This agreement is not intended to provide, and shall not be construed to provide, directly or indirectly, for any cooperative refining, joint sale, or marketing of Unitized Substances.

14.3 <u>Royalty Owners Free of Costs.</u> This agreement is not intended to impose, and shall not be construed to impose, upon any Royalty Owner any obligation to pay for Unit Expense unless such Royalty Owner is otherwise so obligated.

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14.4 <u>Information to Royalty Owners.</u> Each Royalty Owner upon written request therefor shall be entitled to all information in possession of Unit Operator to which such Royalty Owner is entitled by an existing agreement with any Working Interest Owner.

ARTICLE 15

LAWS AND REGULATIONS

15.1 <u>Laws and Regulations.</u> This agreement shall be subject to the conservation laws of the State of New Mexico; to the valid rules, regulations, and orders of the Oil Conservation Commission of New Mexico; and to all other applicable federal, state, and municipal laws, rules, regulations, and orders.

ARTICLE 16

FORCE MAJEURE

16.1 Force Majeure. All obligations imposed by this agreement on each party, except for the payment of money, shall be suspended while compliance is prevented, in whole or in part, by a strike, fire, war, civil disturbance, act of God; by federal, state, or minicipal laws; by any rule, regulation, or order of a governmental agency; by inability to secure materials; or by any other cause or causes beyond reasonable control of the party whether similar or dissimilar to those enumerated. No party shall be required against its will to adjust or settle any labor dispute. Neither this agreement nor any lease or other instrument subject hereto shall be terminated by reason of suspension of Unit Operations due to any one or more of the causes set forth in this Article.

ARTICLE 17

EFFECTIVE DATE

17.1 Effective Date. This agreement shall become binding upon each party as of the date such party signs the instrument by which it becomes a party hereto, and, unless sooner terminated as provided in Section 17.2, shall become effective as to qualified Tracts at the time and date as determined by the Working Interest Owners in all the qualified Tracts, and set forth in a certificate filed for record by Unit Operator with the County Clerk in Lea County, New Mexico. The certificate shall also recite the percentage of the Unit Area represented by the Tracts qualified under Article 9,

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the book and page in which a counterpart of this agreement has been recorded, and the case number and order number of the order of approval by Governmental authority, if obtained. The certificate shall not be filed until after the following requirements have been met:

> 17.1.1 Tracts comprising eighty five percent (85%) or more of the Unit Area as shown on the original Exhibit B have qualified under the provisions of Article 9.

17.1.2 At least one counterpart of this agreement has beenfiled for record by Unit Operator in Lea County, New Mexico.17.1.3 This agreement has been approved by the Oil Conserva-tion Commission of the State of New Mexico.

17.1.4 This agreement has been approved by the Commissioner of Public Lands of the State of New Mexico.

17.2 <u>Ipso Facto Termination</u>. If the requirements of Section 17.1 are not accomplished on or before December 31, 1963, this agreement shall ipso facto terminate on that date (hereinafter called "termination date") and thereafter be of no further effect, unless prior thereto Working Interest Owners owning a combined Unit Participation of at least eighty five percent (85%) have become parties to this agreement and such parties owning not less than sixty five percent (65%) Unit Participation have decided to extend the termination date for a period not to exceed six (6) months. If the termination date is so extended and the requirements of Section 17.1 are not accomplished on or before the extended termination date, this agreement shall ipso facto terminate on the extended termination date and thereafter be of no further effect. For the purpose of this section, Unit Participation shall be as shown on the original Exhibit C attached to the Unit Operating Agreement.

ARTICLE 18

TERM

18.1 Term. The term of this agreement shall be for the time that Unitized Substances are produced in paying quantities and as long thereafter as Unit Operations are conducted without a cessation of more than one hundred eighty (180) consecutive days, unless sooner terminated by Working Interest Owners in the manner herein provided. 18.2 <u>Termination by Working Interest Owners</u>. This agreement may be terminated by Working Interest Owners having a combined Unit Participation of at least eighty five percent (85%) whenever such Working Interest Owners determine that Unit Operations are no longer profitable or feasible.

18.3 <u>Effect of Termination</u>. Upon termination of this agreement, the further development and operation of the Unitized Formation as a unit shall be abandoned, Unit Operations shall cease, and thereafter the parties shall be governed by the provisions of the leases and other instruments affecting the separate Tracts.

18.4 <u>Salvaging Equipment Upon Termination</u>. If not otherwise granted by the leases or other instruments affecting each Tract unitized under this agreement, Royalty Owners hereby grant Working Interest Owners a period of six (6) months after the date of termination of this agreement within which to salvage and remove Unit Equipment.

ARTICLE 19

EXECUTION

19.1 Original, Counterpart, or Other Instrument. A person may become a party to this agreement by signing the original of this instrument, a counterpart thereof, or other instrument agreeing to be bound by the provisions hereof. The signing of any such instrument shall have the same effect as if all the parties had signed the same instrument.

19.2 Joinder in Dual Capacity. Execution as herein provided by any party as either a Working Interest Owner or a Royalty Owner shall commit all interests that may be owned or controlled by such party.

ARTICLE 20

GENERAL

20.1 <u>Amendments Affecting Working Interest Owners</u>. Amendments hereto relating wholly to Working Interest Owners may be made if signed by all Working Interest Owners.

20.2 <u>Action by Working Interest Owners.</u> Any action or approval required by Working Interest Owners hereunder shall be in accordance with the provisions of the Unit Operating Agreement. 20.3 <u>Lien of Unit Operator</u>. Unit Operator shall have a lien upon the interests of Working Interest Owners in the Unit Area to the extent provided in the Unit Operating Agreement.

IN WITNESS WHEREOF, The parties hereto have executed this agreement on the date opposite their respective signatures.

Date:	C. W. TRAINER
	Address: 205 North Linam P. O. Box 2222 Hobbs, New Mexico
	UNIT OPERATOR & WORKING INTERES OWNER
	JACKIE TRAINER, his wife
Date:	
ATTEST:	Ву
	Address
Secretary	

Date:	
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Data:	
Date:	
Data	
Date:	
Date:	

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STATE OF NEW MEXICO)) ss. COUNTY OF LEA)

The foregoing instrument was acknowledged before me this <u>9th</u> day of <u>March</u>, 1963, by C. W. TRAINER and JACKIE TRAINER, his wife.

	NOTARY PUBLIC
My Commission Expir	es:
January 23, 1967.	
STATE OF)
COUNTY OF) ss.
The foregoing	instrument was acknowledged before me this
day of	, 1963, by,,
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on behalf of said of	corporation.
	NOTARY PUBLIC
My Commission Expin	res:
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STATE OF) ss.
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	NOTARY PUBLIC
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STATE OF COUNTY OF The foregoing	instrument was acknowledged before me this

NOTARY PUBLIC

My Counission Expires:

6	S	4	κ	2		1	Tract No.	
Sec. 9, W/2 W/2	Sec. 8, N/2 SW/4 and N/2 NW/4	Sec. 8, SE/4 NE/4	Sec. 7, SE/4 and NE/4	Sec. 8, SW/4 NE/4		Sec. 8, S/2 SW/4	o. Tract Description*	
160.00	160.00	40.00	320,00	40.00		80.00	No. Acres	
Shell Oil Company	Shell Oil Company	Shell Oil Company	The Pure Oil Company	Wm. Yeager and Jim Armstrong		Shell Oil Company	Lessee of Record	TRACT DE AND TRAC
OG512 January 15, 1957	E1079 November 12, 1946	E8265 June 15, 1954	OG 265 October 16, 1956	E1386 July 10, 1947	12, 1946	E1079	State Lease No. and Date	LEA COUNTY, NEW MEXICO TRACT DESCRIPTION, TRACT OWNERSHIP AND TRACT PARTICIPATION PERCENTAGE
State of New Mexico 12.50000	State of New Mexico 12.50000	State of New Mexico 12.50000	State of New Mexico 12.50000	State of New Mexico 12.50000	New MEXICO 12.50000 Shell Cana- dian Oil Ex- ploration Co. 6.25000	State of	Royalty Interest Ownership & Percentage	MEXICO CT OWNERSHIP
Shell Oil Company 100.00000	Shell Oil Company 100.00000	Shell Oil Company 100.00000	The Pure Oil Company 100.00000	Mabee Royalties, 75.00000 J. M. Armstrong, 12.50000 W. A. Yeager, 12.50000	Jon Hy Bear Trust 18.75000 C. J. Bohner, 37.50000 David A. Kimbell Trust 18.75000	Roy G. Barton, 25.00000	Working Interest Ownership and Percentage	
1.293103	15.326796	9.346487	19.586157	4.271479		7.741044	Percentage Tract Participation	

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EXHIBIT A TO UNIT AGREE-ENT HUME QUEEN UNIT

10	ى ى	œ	7**	Tract No.	
Sec. 17, NW/4 NE/4	Sec. 8, S/2 NW/4	Sec. 8, SE/4	Sec. 7, E/2 SW/4	Tract Description*	•
40.00	80.00	150.00	80.00	No. Acres	
Southern Union Gas Company	Shell Oil Company	Phillips Pet- roleum Company	Cities Service Oil Company	Lessee of Record	TRACT DE
0G1215 August 20, 1957	E1079 November 12, 1946	E1186 February 10, 1947	E990 September 10, 1946	State Lease No. and Date	AND TRACT DESCRIPTION, TRACT OWNERSHIP
State of New Mexico 12.50000 Southern Union Gas Co. 12.50000	State of New Mexico 12.50000 Shell Cana- dian Explor- ation Co. 6.25000	State of New Mexico 12.5000	State of New Mexico 12.50000	Royalty Interest Ownership & Percentage	T OWNERSHIP PERCENTAGE
C. W. Traincr, 8.33333 Carl J. Cahill, 8.33333**** C. R. McVay and Carmon J. Stafford 75.00000**** George H. Neill, 8.33333****	C. W. Trainer, 25.00000 Roy G. Barton, 50.00000 J. Don Hudgens, Inc. 25.00000***	C. W. Trainer, 35.00000 Roy G. Barton, 50.00000 Carl J. Cahill, 7.50000 George Neill, 7.50000	Sinclair Oil & Gas Company 35.39378 Cities Service Oil Company 14.21011 Shell Oil Company 37.79705 Skelly Oil Company 12.59906	Working Interest Ownership and Percentage	
0.862969	2.397802	33. 945052	4.367942	Percentage Tract Participation	

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> > EXHIBIT A TO UNIT AGREEMENT HUME QUEEN UNIT LEA COUNTY, NEW MEXICO CT DESCRIPTION, TRACT OWNERSHIP TRACT PARTICIPATION PERCENTAGE

·		TRACT DI AND TRAC	HAME QUEEN UNIT LEA COUNTY, NEW MEXICO TRACT DESCRIPTION, TRACT OWNERSHIP AND TRACT PARTICIPATION PERCENTAGE	IT MEXICO CT OWNERSHIP N PERCENTAGE		
Tract Description*	No. Actes	Lessee of Record	State Lease No. and Date	Royalty Interest Ownership ξ Percentage	Working Interest Ownership and Percentage	Percentage Tract Participation
Sec. 8, NE/4 NE/4	40.00	Shell Oil Company	E8265 June 15, 1954	State of New Mexico 12.50000 Shell Oil Company 12 50000	Donnelly Drilling Co. 25.00000 L. B. Hodges, 25.00000 J. E. Simmons, 25.00000 W. A. Hudson, 25.00000	0.862069

Tract No.

11

TOTAL

* * * All Tracts Located in T16S, R34E. Tract 7 is a portion of the Seaman Unit and all Tract Participation will be credited to the Seaman Unit, Subject to an Oil Payment out of four fifths (4/S) of Interest to The First National Bank of Hobbs, New Mexico Subject to a one-third (1/3) Net Profit Interest.

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EXHIBIT A TO UNIT AGREEMENT

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CERTIFICATE OF APPROVAL BY COMISSIONER OF PUBLIC LANDS, STATE OF NEW MEXICO OF UNIT AGREEMENT FOR DEVELOPMENT AND OPERATIONS OF THE HUME QUEEN UNIT, COUNTY OF LEA, NEW MEXICO

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There has been presented to the undersigned Commissioner of Public Lands of the State of New Mexico for examination, an agreement for the development and operation of the Hume Queen Unit Area, Lea County, New Mexico, Dated , in which C. W. Trainer is designated as Unit Operator, and which has been executed by various parties owning and holding oil and gas leases embracing lands within the Unit Area and upon examination of said agreement, the Commissioner finds:

- (a) That such agreement will tend to promote conservation of oil and gas and the better utilization of reservoir energy in said field;
- (b) That under the operations proposed, the state will receive its fair share of the recoverable oil or gas in place under its land in the area affected;
- (c) That the agreement is in other respects for the best interests of the state;
- (d) That the agreement provides for the unit operation of the field, for allocation of production and sharing of proceeds from the area covered by the agreement in accordance with a formula for participation as specified in the agreement regardless of the particular tract from which production is obtained or proceeds are derived and for repressuring or secondary recovery operations.

NOW THEREFORE, by virtue of the authority conferred upon me by virtue of the Laws of the State of New Mexico, I, the undersigned Commissioner of Public Lands of the State of New Mexico, for the purpose of more properly conserving the oil and gas resources of the state, do hereby consent to and approve the above referred to Hume Queen Unit Agreement as to the lands of the State of New Mexico committed thereto, and all oil and gas leases embracing lands of the State of New Mexico committed to said agreement shall be and the same are hereby amended so that the provisions thereof will conform to the provisions of said Unit Agreement and so that the length of the secondary term of each such lease as to the lands within the Unit Area will be extended as provided therein, such extension shall also be effective to extend the term of each oil and gas lease embracing lands of the State of New Mexico committed to said Unit Agreement which would otherwise expire, so as to coincide with the extended term of such Unit Agreement.

IN WITNESS WHEREOF, this Certificate of Approval is executed as of

this _____ day of _____

Commissioner of Public Lands of the State of New Mexico

	4 Sec. 8,	3 Sec. 7, SI NE/4	2 Sec. 3,	<u>Trace No.</u> <u>Tract De</u> 1 Sec. 3,	
	SE/4 NE/4	SE/4 and /4	3, W/2 NE/4	Description*	
	40.00	320.00	80.00	No. <u>Acres</u> 40.00	Č.
	Shell Oil Company	The Pure Oil Company	Wm. Yeager and Jim Armstrong	<u>Lessee of Record</u> Shell Oil Company	EXHIBIT A TO UNIT AGREEMENT HUME QUEEN UNI LEA COUNTY, NEW ME TRACT DESCRIPTION, TRACT AND TRACT PARTICIPATION
	E8265 June 15, 1954	0G265 October 16, 1956	E1386 July 10, 1947	State Lease No. <u>and Date</u> E8265 June 15, 1954	
	State of New Mexico 12.50000	State of New Mexico 12.50000	State of New Mexico 12.50000	Royalty Interest Ownership & <u>Percentage</u> State of New Mexico 12.50000 Shell Oil Co. 12.50000	T XICO OWNERSHIP PERCENTAGE
, , , , , , , , , , , , , , , , , , ,	Shell Oil Co. 2 C. W. Trainer Roy G. Barton Moran Oil Prod- ucing & Drlg.Corp. Smith Collins Z. F. Howe Gordon E. Herken- hoff W. R.Ferguson & W. W. Shipley J. F. Maddox Grady Thompson M. H. Sweeney J. E. Simmons	The Pure Oil Company 100.00000	Mabee Royalties, 7 J. M. Armstronz, 1 W. A. Yeager, 1	Working Interest Own and Percentage Donnelly Drilling Co 100,00000	Revised a Revision Revision
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1.442308	25.40918 8.95556 8.95556 8.95556 8.95556 4.47778 4.47776 4.47776 4.47776 4.47776 2.94634	<pre>Shell Oil Company, C. W. Trainer, Roy G. Barton, Moran Oil Prod. & Drlg. Corp. Smith Collins E. F. Howe Gordon E.Herkenhoff W. R. Ferguson and W. W. Shipley J. F. Maddox Grady Thompson M. M. Sweeney J. E. Simmons</pre>	State of New Mexico 12.50000	0G512 January 15,1957	Shell Oil Company	160.00	Sec. 9, W/2 W/2	σ
Percentage Tract Participation 16.541934	Ownership <u>age</u> <u>25.40918</u> 8.95556 8.95556 8.95556 4.47778 4.47776 4.47776 4.47776 2.94634	Working Interest Own and Percentage Shell Oil Company, 2 C. W. Trainer, Noy G. Barton, Moran Oil Prod. & Drlg. Corp. Smith Collins E. F. Howe Gordon E.Herkenhoff W. R. Ferguson and W. W. Shipley J. F. Maddox Grady Thompson M. M. Sweeney J. E. Simmons	Royalty Interest Ownership & <u>Percentage</u> State of New Mexico 12.50000	State Lease No. and Date E1079 November 12, 1946	<u>Lessee of Record</u> Shell Oil Company	No. <u>Acres</u> 160.00	Fract Description* Sec. 3, N/2 SW/4 and N/2 NW/4	No. 5
s of May 1, 1963 #2 Effective May 1, 1963	Revised as of Revision #2 Revision Effec	Revj Revj	EXHIBIT A TO UNIT AGREEMENT - HUME QUEEN UNIT LEA COUNTY, NEW MEXICO TRACT DESCRIPTION, TRACT OWNERSHIP AND TRACT PARTICIPATION PERCENTAGE	EXHIBIT A TO EEMENT - HUM COUNTY, NEW CRIPTION, TR PARTICIPATIO	EXHIBI TO UNIT AGREEMENT - LEA COUNTY, TRACT DESCRIPTION, AND TRACT PARTICIP			

No 5

2.624261	25.00000 50.00000 25.00000	C. W. Trainer Roy G. Barton J. Don Hudgens,Inc.	State of New Mexico 12.500000 Shell Oil Co. 6.250000	E1079 November 12, 1946	Shell Oil Company	80.00	S, S/2 NW/4	
36. 632624	35.00000 50.00000 7.50000 7.50000	C. W. Trainer Roy G. Barton Carl J. Cahill George Neill	State of New Mexico 12.50000	E1186 February 10, 1947	Phillips Petro- leum Company	160.00	Sec. 9, SE/4	C:
4 000 000 00 00 00 00 00 00 00 00 00 00 0	14.21011 9.60392 3.38494 3.38494 3.38494 3.38494 1.69247 1.69247 1.69247 1.69247 1.69247 1.69247 1.69247 1.11361 1.11361	Sinclair Oil & Gas Cities Service Shell Oil Co. C. W. Trainer Roy G. Barton Moran Oil Prod.& Drlg. Corp Smith Collins E. F. Howe Gordon Herkenhoff W. R. Ferguson & W. W. Shipley J. F. Maddox Grady Thompson M. M. Sweeney J. E. Simmons Skelly Oil Co.	New Mexico 12.50000	E990 September 10, 1946	Oil Company Oil Company	80.00	6 • ~1	7**
Percentage Tract Participation	S CTS	Interest d Percent	Royalty Interest Ownership & <u>Percentake</u>	State Lease No. and Date	Lessee of Record	No. Acres	scripti	Tract No.
1, 1963 May 1, 1963	of May 2 ffective	Revised as Revision # Revision E	EXHIBIT A TO UNIT AGREEMENT - HUME QUEEN UNIT LEA COUNTY, NEW MEXICO TRACT DESCRIPTION, TRACT OWNERSHIP AND TRACT PARTICIPATION PERCENTAGE	EXHIBIT A TO AGREEMENT - HUMF LEA COUNTY, NEW D DESCRIPTION, TRAC ACT PARTICIPATIO	UNIT AGREE LEA C TRACT DESCR AND TRACT P		• • • • • •	

Southern Union Gas Company	Lessee of Record	UNIT AG LE TRACT DE AND TRAC
0G1215 August 20, 1957	State Lease No. And Date	EXHIBIT A TO AGREEMENT - HUME QUEEN LEA COUNTY, NEW MEXICO DESCRIPTION, TRACT OWN ACT PARTICIPATION PERC
State of New Mexico 12.500000 Southern Union Gas	Royalty Interest Ownership & <u>Percentage</u>	EXHIBIT A TO UNIT AGREEMENT - HUME QUEEN UNIT LEA COUNTY, NEW MEXICO TRACT DESCRIPTION, TRACT OWNERSHIP AND TRACT PARTICIPATION PERCENTAGE
C. W. Trainer 8.33333 Carl J. Cahill 8.33333**** C. R. McVay and Carmon J. Stafford 75.00000***** George H. Neill 8.33333****		
8.33333 8.33333**** 75.00000**** 8.33333****	Cwnership Lage	Revised as of May 1, 1963 Revision #2 Effective May 1, 1963
0.961538	Percentage Tract Participation	May 1, 1963 1, 1963

Tract No.

Treet Description*

Acres No.

40.00

01

Sec. 17, NW/4NE/4

TOTAL

Company 12.500000 Union Gas

100.000000

* Ail Tracts located in T16S, R34E ** Tract 7 is a portion of the Seaman Unit and all Tract Participation will be credited to the Seaman Unit *** Subject to an Oil Payment out of four fifths (4/5) of Interest to The First National Bank of Hobbs, New Mexico. **** Subject to a one third (1/3) Net Profit Interest.

WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HIME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of 27^{-1} day of <u>Marcin</u>, 1963, by various persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NAPM, Lea County, State of New Mexico.

The Unit Agreement, by Exhibit A, describes each Tract in the Unit Area, and, by Exhibit B, shows on a map the boundary lines of the Unit Area and the Tracts therein.

The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.

Now, therefore, each of the persons who signs this instrument is or claims to be a Working Interest Owner in one or more of the Tracts described in Exhibit A of the Unit Agreement, and each agrees to become a party to, and be bound by provisions of, the Unit Agreement and the Unit Operating Agreement as if he had signed the originals and agrees that the parties to the Unit Agreement and the Unit Operating Agreement are those that sign the originals, any counterparts of both instruments, or any instrument that evidences an intention to be so bound.



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Executed as of the <u>finite</u> day of <u>finite</u>, 1963. CCC -----A • Date: Liera By . .* Hell, Dur. Muxice Address Cilling) Date: 1 Galar, 2: 22" Date: Date: Date: Date:_ Date:_

STATE OF)
COUNTY OF	SS.
The foregoing instr	ument was acknowledged before me this
	, 1963, by
	of
	corporation, on behalf of said corporation.
	•
My Commission Expires:	NOTARY PUBLIC
STATE OF Jun Jour	(co)
COUNTY OF <u>Sea</u>	ss.
	went was acknowledged before me this 3
_	1963, by Smith Collins and i
Sucille Collins	•
	$\int \int \partial \nabla $
	-2 Ling Blur C
My Commission Expires:	
January 23, 196,	2
STATE OF	
COUNTY OF	
	ment was acknowledged before me this
day of	, 1963, by
Nu Commission Expires	NOTARY PUBLIC
My Commission Expires:	NOTACI POBLIC
STATE OF)
COUNTY OF) ss.
	ment was acknowledged before me this
- 0 0	
day of	, 1963, by

My Commission Expires:

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NOTARY PUBLIC

WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT FUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of $27\frac{4}{27}$ day of <u>Marca</u>, 1963, by various persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NAPA, Lea County, State of New Mexico.

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Executed as of the <u>5th</u> day of <u>July</u>, 1963. Date: July 5, 1963 • MORAN OIL PRODUCING & DRILLING CORP. By <u>R. M. Moran, President</u> Address Box 1919 Holle Man ne Date:____ Date:__ Date: Date:___ Date:_____ Date:_____

A CARACTER AND A SECOND

STATE OF <u>New Marin</u>) ss.

The foregoing instrument was acknowledged before me this <u>5</u> day of <u>July</u>, 1963, by <u>R. M. Messan</u>, <u>President</u> of <u>Marso Cil Prod I Mala Comp</u> a <u>Ten Marko</u> corporation, on behalf of said corporation.

My Commission Expires: 9-16-63

NOTARY PUBLIC

STATE OF ss. COUNTY OF

The foregoing instrument was acknowledged before me this

day of _____, 1963, by _____

My Commission Expires:

NOTARY PBULIC

STATE OF _____) ss.

The foregoing instrument was acknowledged before me this _____

day of _____, 1963, by _____

My Commission Expires:

NOTARY PUBLIC

STATE OF _____) ss.

The foregoing instrument was acknowledged before me this

day of _____, 1963, by _____

'ly Commission Expires:

NOTARY PUBLIC

STATE OF New Mater ss. COUNTY OF Len The foregoing instrument was acknowledged before me this _____ day of _ July___. 1963, by B. M. Maran + side to of Maran al Prod & Dala Con a <u>Then Mallee</u> corporation, on behalf of said corporation.

My Commission Expires: 9-16-63

NOTARY PUBLIC

STATE OF ss. COUNTY OF

The foregoing instrument was acknowledged before me this

day of _____, 1963, by _____

'ty Commission Expires:

NOTARY PUBLIC
WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HAME QUEEN UNIT, LEA COUNTY, NEW MEXICO Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of $27\frac{4}{27}$ day of <u>Marca</u>, 1963, by various persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NAPA, Lea County, State of New Mexico.

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والالالمان والمراجع والمراجع والمتحافظ والمحافظ والمستعدية

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Executed as of the <u>day of</u> <u>17.84</u>, 1963. Date: By_____ N. Address 212 Date: 5/1/63 Ç, 12. - Carrow Date: Date:___ • Date: . Date:_____ Date:

Executed as of the <u>day of</u> <u>MAU</u>, 1963. Date: Ву_____ r Address 2.7.1 Date: 5/1/63 5.12 - N 12. Destant. Date:____ Date: • . Date:_____ Date:_____ . Date:

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The foregoing instru	ment was acknowledged before me this
lay of	, 1963, by
	of
a	corporation, on behalf of said corporat
My Commission Expires:	NOTARY PUBLIC
STATE OF CONFEEDING)
STATE OF <u>CONFERNA</u>	ss.
	ent was acknowledged before me this $2/2^2$
l l	, 1963, by <u>E. F. Howe AND</u>
FRANCES E. HI	•
	Claire L S
	NQTARY PBULIC
My Commission Expires:	CLAIRE L. BAKER, Notary Public My Commission Expires Dec. 14, 1963
6714755 A.T.	、 ·
STATE OF) \$\$.
COUNTY OF	
	ent was acknowledged before me this
day of	, 1963, by
	•
My Commission Expires:	NOTARY PUBLIC
STATE OF) ss.
COUNTY OF) ss)
COUNTY OF) ss.) ss. hent was acknowledged before me this , 1963, by

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WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

Each of the persons who signs this instrument acknowledges receipt of a counterpart of an instrument entitled, Unit Agreement, and a counterpart of an instrument entitled, Unit Operating Agreement, Hume Queen Unit, Lea County, New Mexico, both of which were executed as of 27^{-1} day of <u>Marca</u>, 1963, by various persons, for conducting Unit Operations with respect to the Queen formation of the Hume Queen Field, located in Sections 7, 8, 9, and 17, Township 16 South, Range 34 East, NMPM, Lea County, State of New Mexico.

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The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.

Executed as of the _____ day of _____, 1963. . Date:_ Ву____ Address Date: 11. 30-63 Solm Herruke Merse-Koff Date: Date:____ Date: ` Date: . Date:_____

STATE OF ss. COUNTY OF The foregoing instrument was acknowledged before me this 39day of April 1, 1963, by General Henric Menter of _______ of ______ corporation, on behalf of said corporation. NOTARY PUBLIC My Commission Expires: STATE OF 1/00 Derico ss. The foregoing instrument was acknowledged before me this $\underline{\mathcal{B}}_{\mathcal{D}}$, 1963, by yorden Herson hat day of April and the Anora To Kleat My Commission Expires: 0 - - mac STATE OF ______ ss. COUNTY OF The foregoing instrument was acknowledged before me this _____ day of _____, 1963, by _____ NOTARY PUBLIC My Commission Expires: STATE OF _____) 55. CAINTY OF The foregoing instrument was acknowledged before me this day of _____, 1963, by _____

'ty Commission Expires:

NOTARY PUBLIC

WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

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Executed as of the 1st day of _______, 1963. Date: By____ Address May 10th 1963 Date: All CC ſ Date:

Date:_____

Date:_____ Date:

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day of		, 190	53, by					
		of						
a		cor	poratio	n, on I	oehalf	of said	corpora	ti
My Commission E	xpires:				NOT	ARY PUBI	LIC	
	•							
STATE OF <u>NE</u>	VADA							
COUNTY OF	ARK)	SS.					•
The foregoin	ng instrument	was	acknow	ledged	before	me this	s13	th
day of	May	•	19 63, b	у <u>М.</u>	<u>M.</u> S	weeney	and	
Lucile Sweer	ney			.•				
	-		(2	22.2) a NOI	ARY PEU	<u>Lac</u> LIC	0
My Commission I My Commission Expires E STATE OF	December 8, 136 6		\$5.	2	22.2\ a NO	ARY PBU	<u>Lac</u> LIC	J
My Commission I My Commission Expires F STATE OF COUNTY OF	December 8, 1966		55.	2	222\ a NOI	ARY PBU	<u>Lic</u>	0
My Commission I My Commission Expires F STATE OF COUNTY OF The foregoin	December 8, 1986	 	ss. acknow					
My Commission I My Commission Expires F STATE OF COUNTY OF	December 8, 1986	 	ss. acknow					
My Commission I My Commission Expires F STATE OF COUNTY OF The foregoin day of	December 8, 1986		ss. acknow 1963, t					
My Commission I My Commission Expires F STATE OF COUNTY OF The foregoin day of	December 8, 1986		ss. acknow 1963, t)y				
My Commission I My Commission Expires F STATE OF COUNTY OF The foregoin day of	December 8, 1986		ss. acknow 1963, t)y				
My Commission I My Commission Expires F STATE OF COUNTY OF The foregoin day of	December 8, 1966 ng instrument Expires:	, ,	ss. acknow 1963, t)y				

My Commission Expires:

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. . WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HUME QUEEN UNIT, LEA COUNTY, NEW MEXICO

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The Unit Agreement and the Unit Operating Agreement provide that any person defined in the Unit Agreement as a Working Interest Owner may become a party to the agreements by signing the original, counterpart, or other instrument that evidences an intention to be bound by the terms of both agreements.

Date: By____ Address ex? Date: 121.322 Date: Date: Date: _____ Date: Date:

STATE OF _) _) ss. COUNTY OF 122-The foregoing instrument was acknowledged before me thisday of _ cofficient, 1963, by Jetmon no contact Burente At 17 Strong of ____ corporation, on behalf of said corporation. My Commission Expires: NOTARY PUBLIC STATE OF New Mexico)) ss. COUNTY OF Leg The foregoing instrument was acknowledged before me this 35K day of April, 1963, by JE Simmons and wife Beulah H. Simmans. NOTARY PEUEIC MY COMMISSION EXPIRES MARCH 25, 1965 My Commission Expires: STATE OF ______) ss. COUNTY OF The foregoing instrument was acknowledged before me this _____ day of _____, 1963, by _____

My Commission Expires:

NOTARY PUBLIC

STATE OF _____) ss.

COUNTY OF _____)

The foregoing instrument was acknowledged before me this

day of _____, 1963, by _____

W Compission Emires.

WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HAME QUEEN UNIT, LEA COUNTY, NEW MEXICO

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Executed as of the $1s^{\pm}$ day of 1/ay. 1963.

Date: 1/44 1, 1463

-By - File charge Address POBOX Y 317- Hatte N. M.

Date: May 1,1463

I Mutil M. Alera

Date: Date: Date: Date: Date:

STATE OF)
COUNTY OF) ss.
The foregoing instru	ment was acknowledged before me this
day of	, 1963, by
	of
a	corporation, on behalf of said corporation
My Commission Expires:	NOTARY PUBLIC
STATE OF <u>NEW MEXI</u>) ss.
-	ent was acknowledged before me this <u>lst</u>
	, 1963, by J. F Maddox and wife,
Mabel Maddox	
	Land and Land
My Commission Expires: January 8, 1964	NOTARY PBULIC
January 8, 1964	
January 8, 1964 STATE OF COUNTY OF	
January 8, 1964 STATE OF COUNTY OF The foregoing instrume	
January 8, 1964 STATE OF COUNTY OF The foregoing instrume	ss. ent was acknowledged before me this , 1963, by
January 8, 1964 STATE OF COUNTY OF The foregoing instrume day of	ss. ent was acknowledged before me this , 1963, by
January 8, 1964 STATE OF COUNTY OF The foregoing instrume day of My Commission Expires:	ss. ent was acknowledged before me this
January 8, 1964 STATE OF COUNTY OF The foregoing instrume day of	ss. ent was acknowledged before me this
	ss. ent was acknowledged before me this

Ty Commission Expires:

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and And

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WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HIME QUEEN UNIT, LEA COUNTY, NEW MEXICO

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Executed as of the _____ day of _____, 1963. Jargun Mafilay Date: 5 7-63 <u>_____.</u> 1<u>C. (</u> By____ Address Burg (311 Juny trong 11) Jean of <u>Akipling</u> Date: the grant 11.1 Forgerton . Date: 5-15.63 hace C Date: Date: Date: Date:

:

STATE OF ss. COUNTY OF The foregoing instrument was acknowledged before me this day of _____, 1963, by _____, _____ of corporation, on behalf of said corporation. NOTARY PUBLIC My Commission Expires: STATE OF <u>71. Makes</u> ss. The foregoing instrument was acknowledged before me this ______ day of <u>Mary</u>, 1963, by the Miguy- and NOTARY PBULIC My Commission Expires: 80 1966 The foregoing instrument was acknowledged before me this _____ day of ______, 1963, by ______ Career to Karainard Ruth B. Sainter My Commission Expires: August 15 1966 COUNTY OF The foregoing instrument was acknowledged before me this day of _____, 1963, by والمحمد فلاحتم المحاور والاردار المردي المراجع والمتيين المتحاصين وموجوه ومحرور ومحر ويوجوها والرار والرواني

My Counission Expires:

NOTARY PUBLIC

WORKING INTEREST OWNER AGREEMENT TO BECOME A PARTY TO UNIT AGREEMENT AND TO UNIT OPERATING AGREEMENT HAVE QUEEN UNIT, LEA COUNTY, NEW MEXICO

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Executed as of the _____ day of _____, 1963. Date:_____ By____ Address Date: 11 . 74.1963 (nol mpin Date: Date:____ Date:_____ Date:_____ Date:_____

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COUNTY OF) ss.
	trument was acknowledged before me this
	, 1963, by
	of
	corporation, on behalf of said corporation
My Commission Expires:	NOTARY PUBLIC
•	
STATE OF NEW MEXICO)
COUNTY OF LEA) ss.
	ument was acknowledged before me this 29th
	, 1963, by GRADY THOMPSON AND
JUNA C. THOMPSON	, 1000, 0)
JUNA CI INCALOM	
	F. G. C. M. M. C.
	NOTARY PRULIC
	NOTARY PBULIC
My Commission Expires: February 25, 1965	NOTARY PBULIC
	NOTARY PBULIC
February 25, 1965	NOTARY PBULIC
February 25, 1965 STATE OF	NOTARY PBULIC
February 25, 1965 STATE OF	NOTARY PBULIC
February 25, 1965 STATE OF COUNTY OF The foregoing instr	NOTARY PBULIC
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February 25, 1965 STATE OF COUNTY OF The foregoing instr day of My Commission Expires: STATE OF	NOTARY PBULIC
February 25, 1965 STATE OF COUNTY OF The foregoing instr day of My Commission Expires: STATE OF COUNTY OF	NOTARY PBULIC
STATE OF COUNTY OF The foregoing instr day of My Commission Expires: STATE OF COUNTY OF The foregoing instr	ss. cument was acknowledged before me this

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My Commission Expires:

XOTARY PUBLIC