<u>CASE 2946:</u> Application of SHELL OIL CO. for dual completion of its State V Well No. 5, Lea County, New Mexico.

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APP/ication, Transcripts, SMALL Exhibits ETC

#### DOCKETHMANEDING ONL TORUCEMATEOR COLLASSEDE

Des 11-22-63 SANYA PE, NEW MERICO

5-1-61

APPLICATION FOR	( MOLTER COMPLETION	Car 2910
Operator Shell Oil Company	County Lea	11-8-63
Address	Lease State V Township	4 off Ko. 5
u Aell T 27	17-S	Hange 35-E
1. Has the New Mexico Oil Conservation Commission heretofore	authorized the multiple completion	of a well in these same pools or in the

same zones within one mile of the subject well? YES\_\_\_\_\_ RO\_X\_\_\_

The following facts are submitted:	Ciprov Zioni	Internechter Zons	Lower Zone
a. Name of Pool and Formation	Vacuum-Yates		Vacuum Paddock
5. Top and Bottom of Pay Section (Perforations)	Proposed 3031-3132		6134-6171
e. Type of production (Oil or Gas)	0i !		0i1
d. Method of Production (Flowing or Artificial Lift)	Flowing		Flowing

4. The following are attached. (Please mark YES of NO)

a. Diagrammatic Sketch of the Multiple Completion, showing all casing strings, including diameters and setting depths, contralizers and /or turbolizers and location thereof, quantities used and top of center, perforated intervals, tubing strings, including diameters and setting depth, location and type of packets and side door chekes, and such other information as may be perfinent.

**X** b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.

d. Electrical log of the well or other acceptable log with tops and bettoms of producing somes and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, ir shall be submitted as provided by Rule 112-A.)
 5. List all offset operators to the lease on which this well is located together with their correct nailing address.

<u>Cities Service Oil Company, Vaughn Building, Midland, Texas</u>

Phillips Petroleum Company, P. O. Box 2105, Hobbs, New Mexico

Standard Oil of Texas, P. O. Box-1660, Midland, Texas

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES \_\_\_\_\_NO X\_\_\_. If answer is yes, give dote of such notification \_\_\_\_\_\_

CERTIFICATE: 1, the undersigned, state that I are the <u>Production Manager</u> of the <u>Shell 011</u> (company), and that I are authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

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\* Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oli Conservation Coramission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. By after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be trace of NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard protation unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

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	9 ● 	io • afe	•	Phi zo	11ips, 80 @s		2 ● <b>3</b> ⊙	23 66	₩" ÷	2 2 ●® ate	
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Phillips 29		Marathon 3	 • • • • •	3 3 (*) 10 (*)	8 4 V <b>O</b> g ®	1 61 <b>•</b>	44 68		•• أ	58 (A)	- @
Mobil "0"1 •	Phillips	3		é (@	Std. ( 7 2 Lse	54 of Tex. No 6 9 4 & ¢			<ul> <li> <ul> <li></li></ul></li></ul>	5 s Serv. 3.1"	
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39 ®	Phillips 46 B		<sup>ያ ከወበ</sup> ම	⊛ <sup>°</sup> Cit	ies Serv. <sup>U-1 Shell</sup> ¢	l s	Kelly	SK	eily	U.S.Smelt.	Aztec
2 ®	ال ۲	12 (S)	14 (A)	Phill	 ips	_    				Quel	     edeaux
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51 "V	ne)i z" S	       			5	       			St	ate	



#### LEGEND

- () Yates
- Grayburg-San Andres
- © Paddock
- Abo
   Abo

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Proposed Dual

SHELL OIL CO. OWNERSHIP PLAT I"=2000'



Note: There will be no EXAMINER HEARING in the Second Half of December

#### DOCKET: EXAMINER HEARING - WEDNESDAY - DECEMBER 4, 1963

### 9:00 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM,

STATE LAND OFFICE BUILDING - SANTA FE, NEW MEXICO The following cases will be heard before Elvis A. Utz, Examiner, or Daniel S. Nutter, Alternate Examiner:

- CASE 2945: Application of Shell 011 Company for the creation of a Devonian Gas Pool and for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the creation of a new Devonian gas pool for its Harris-Federal Well No. 1 located in Section 27, Township 23 South, Range 34 East, Lea County, New Mexico, said pool to comprise all of Sections 27, 28, 33 and 34, Township 23 South, Range 34 East, and all of Sections 3 and 4, Township 24 South, Range 34 East. Applicant further seeks the establishment of special pool rules, including a provision for 640-acre spacing units and for fixed well locations.
- CASE 2946: Application of Shell Oil Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the dual completion (conventional) of its State V Well No. 5 located in Unit I of Section 27, Township 17 South, Range 35 East, Lea County, New Mexico, to produce oil from the Vacuum-Yates and Vacuum-Paddock Pools through parallel strings of tubing.
- CASE 2547: Application of Charles B. Read for an unorthodox location, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks approval of the unorthodox location of his Bates Well No. 1 located 660 feet from the North line and 330 feet from the East line of Section 21, Township 8 South, Range 36 East, South Prairie-Pennsylvanian Pool, Roosevelt County, New Mexico.
- CASE 2948: Application of the Atlantic Refining Company for a pressure maintenance project, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the approval of a cooperative pressure maintenance project for the injection of water into the Gallup (Tocito) formation, Many Rocks-Gallup Oil Pool, San Juan County, New Mexico, by the injection of water through 13 wells located in Sections 6, 7, 8, 17 and 18, Township 31 North, Range 16 West. Applicant further seeks the designation of a project area comprising approximately 1,480 acres in the aforesaid five sections and the adoption of appropriate project rules therefor.
- CASE 2949: Application of Phillips Petroleum Company for an exception to Rule 309-A, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to produce up to a maximum of 24 provation units into its Santa Fe Battery No. 14, Santa Fe Lease, Vacuum Abo Reef Pool, Lea County, New Mexico.
- CASE 2950: Application of Amerada Petroleum Corporation for the creation of a new gas pool and for the contraction of the vertical limits of an existing pool. Applicant, in the above-styled cause, seeks the creation of a Morrow-Pennsylvanian Gas Pool, Lea County, New Mexico. Said pool was discovered by applicant's S. E. Anderson "A" Well No. 1 located in Unit P of Section 19, Township 9 South, Range 35 East, and would comprise the SE/4 of Section 19, SW/4 of Section 20, NW/4 of Section 29 and the NE/4

NO. 35-63

#### CASE 2950 continued from page 1

of Section 30 in the aforesaid township. Applicant further seeks the contraction of the vertical limits of the South Bough-Pennsylvanian Pool to include the Bough "C" zone of the Pennsylvanian formation only.

CASE 2951: Application of Sunray DX Oil Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Hope Unit Area comprising 3822.96 acres, more or less, of State land in Township 18 South, Range 23 East, Eddy County, New Mexico.

CASE 2952: Application of Sunray DX Oil Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the South Hope Unit Area comprising 3778.27 acres, more or less, of State land in Township 18 South, Ranges 21 and 23 East, and Township 19 South, Range 23 East, Eddy County, New Mexico.

#### CASE 2953: Application of Curtis R. Inman for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Walt Canyon Unit Area comprising 11, 100.63 acres, more or less, of State, Federal and fee lands in Townships 21 and 22 South, Range 24 East, and Township 22 South, Range 25 East, Eddy County, New Mexico.

#### <u>CASE 2954:</u> Application of Ambassador Oil Corporation for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Langlie Mattix-Penrose Sand Unit Area comprising 3,920 acres, more or less, of State, Federal and Fee lands in Township 22 South, Range 37 East, Lea County, New Mexico.

CASE 2955: Application of Ambassador Oil Corporation for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the expansion of the existing Langlie Mattix Waterflood Project in Section 34, Township 22 South, Range 37 East, Lea County, New Mexico, by the conversion to water injection of 5 wells located in Sections 27, 33 and 34 of said township. Applicant further seeks the establishment of special rules governing further expansion and operation of the waterflood project in the Langlie Mattix-Penrose Sand Unit Area, including a provision for capacity allowables for wells in said project.

Eare 2946 Heard 12-4-63 Rec. 12-5-63 1. Grant Shells request for a convention ab Qual in Vacuum- yater & Paddock Oilpoole, Mill Hame is Shell - State V# 5, 2310 5+800/6 20. 27 -175-356

Trand DC. Orden. Eland to

GOVERNOR JACK M. CAMPBELL CHAIRMAN

# State of New Altexico

## **Gil Conserbation Commission**



December 19, 1963

STATE SEDLOGIST A.L. PORTER, JR. SECRETARY - DIRECTOR

LAND COMMUNICATION E. S. JOHNNY WALKER MEMBER

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

Case No. 2946 Order No. R-2623 & R-2624 Applicant:

SHELL OIL COMPANY

2945 2946

Doar Sir:

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

Very truly yours,

A. L. PORTER, Jr. Becretary-Director

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Carbon copy of order also sent to:

Hobbs OCC \_\_\_\_\_

Artesia OCC\_\_\_\_\_

Astec OCC \_\_\_\_\_

OTHER (R-2623 to Mrs. Rhea)

#### 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. 2946 Order No. R-2624

APPLICATION OF SHELL OIL COMPANY FOR A DUAL COMPLETION, LEA COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on December 4, 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 19th day of December, 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, Shell Oil Company, seeks authority to complete its State V Well No. 5, located in Unit 7 of Section 27, Township 17 South, Range 35 East, NMPM, Lea County, "rw Mexico, as a dual completion (conventional) to produce oil from the Vacuum-Yates and Vacuum-Paddock Pools through parallel strings of 2 1/16-inch tubing, with separation of zones by a packer set at approximately 6075 feet.

(3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That the applicant, Shell Oil Company, is hereby authorized to complete its State V Well No. 5, located in Unit I -2-CASE No. 2946 Ordar No. R-2624

of Section 27, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Vacuum-Yates and Vacuum-Paddock Pools through parallel strings of 2 1/16-inch tubing, with separation of zones by a packer set at approximately 6075 feet.

**PROVIDED HOWEVER**, That the applicant shall complete, operate, and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order.

<u>PROVIDED FURTHER</u>, That the applicant shall take packerleakage tests upon completion and annually thereafter during the Gas-Oil Ratic Test Period for the Vacuum-Paddock Pool.

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

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

> STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

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E. S. WALKER, Member

orth PORTER, Jr!, Member & Secretary

esr/

Case 2146

NEW MEXICO OIL CONSERVATION COMPLETION COMPLETA COMPLETION COMPLETION COMPLETION COMPLETION COMPLETION COMPLET

ESA CARE LE ALL ST PACKER-SEXTING AFFIDAVLT

(Dual Completions)

STATE (	)F	NEW	MEXICO	 )
County	of	СН	WES	 )s' )

M. R. Dillon , being first duly sworn according to law, upon his oath deposes and seys:

That he is of lawful age and has full knowledge of the facts herein bolow set out.

That he is employed by <u>Shell Oil Company</u> in the capacity of <u>Production Foreman</u> and as such is its authorized agent.

That on November 14, 19 63, he personally supervised the setting of

aBaker Model "D"	in	Shell Oil Con	npany'o
(Make and Type of Packer)		(Operator	•)
State "V"	W	ell No. 5	, located in Unit
(lease) Letter, Section_27			
LeaCounty, New Mexic	co,		

That said packer was set at a subsurface depth of \_\_\_\_\_\_ foet, said depth measurement having been furnished by \_\_\_\_\_\_ Lane Wells \_\_\_\_\_.

That the purpose of setting this packer was to effect a seal in the annular space between the two strings of pipe where the packer was set so as to prevent the commingling, within the well-bore, of fluids produced from a stratum below the packer with fluids produced from a stratum above the packer. That this packer was properly set and that it did, when set, effectively and absolutely seal off the annular space between the two strings of pipe where it was set in such manner as that it prevented any movement of fluids across the packer.

Shell Oil Company (Company)

(its Agent)

Subscribed and sworn to before me this the <u>December</u> day of  $\frac{12}{12}$ , AD, 19.63

Notary Public in and for the County of Chaves

My Commission Expires February 7, 1965





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	PAGE 2						
1	MR. UTZ: Case 2946.						
	MR. DURRETT: Application of Shell Oil Company for a						
	dual completion, Lea County, New Mexico.						
	MR. MORRIS: If the Examiner please, again, I am Richard						
Ιός	Morris of Seth, Montgomery, Federici and Andrews, Santa Fe, New						
:3-6(	Mexico, appearing on behalf of the Applicant, Shell Oil Company.						
	We'll have one witness, Mr. Dick Vassar.						
hon	(Witness sworn.)						
	(Whereupon, Applicant's Exhibits Nos. 1, 2, and 3 marked for ident- ification.)						
ice Mexi	DICK VASSAR						
l un	called as a witness, having been first duly sworn on oath, was						
*							
kepo	DIRECT EXAMINATION						
ourr , nqu	BY MR. MORRIS:						
ייא א All	Q Please state your name and position, Mr. Vassal.						
Uene 9	A I am Dick Vassar, Drilling Engineer with Shell Oil						
ildin	Company in Roswell.						
$B_{u}$	0 Have you previously testified before the Oil Conservation						
smm	Commission or one of its Examiners, Mr. Vassar?						
112	Q Are you familiar with Shell's application in this case,						
Suite	294(						
4	A Yes, sir, I am.						
	Q What is it that Shell seeks by this application?						
	A We seek permission by this application to dual complete						
	General Court Reporting Service Swite 1120 Simms Building Albuquerque, New Mexico Phone 243-6691						

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State V 5 Lease in the Vacuum Field.

Q Do you have a plat showing the location of this well and the subject lease, and has that been marked as Exhibit No. 1 in this case?

A Yes, sir, it has. The plat in question shows the lease in question to be shaded with blue dots around the 80-acre section. The lease is located in the Southeast Southeast Quarter of Section 27, 17 South, 35 East. The well in question is located by the red dot in the northwest portion of this lease.

Also shown on this plat are offset wells with the leases by offset operators, with legend at the bottom identifying the particular zone in which a well is completed. The nearest Yates well is to the southwest of our V 5, and the nearest Paddock well is to the northeast, both of these being single zone completions.

Q What is the status of your Well No. 5 at the present time?

A Presently we are attempting to complete in the Yates. We have already completed in the Paddock and OPT'd it. I have the OPT information here. The Paddock flowed 307 barrels of oil per day with no water with 350 psi flowing tubing pressure on 14/64 choke with a GOR of 428 to 1.

Q Has the well been hogged?

A Yes, sir, it has. Refer to Exhibit 2 which is an

acoustic log showing --



DEARNLEY, MEIER, WILKINS and CROWNOVER General Court Reporting Service 243-660

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Buildin

Simms

Suite 1120

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	MR. UTZ: Should that be Exhibit 3?
	A It should be 2, but it doesn't matter.
	MR. UTZ: It's marked 3.
	A On this log you'll see the formation tops as picked
<i>169</i> (	by the Shell geologist, and the perforations as they now exist.
243-6691	Q (By Mr. Morris) Do you have anything else that you
Phone .	wish to point out from this log, Mr. Vassar?
$Ph_{\mu}$	A No, sir, I don't.
0	Q Refer to what has been marked as Exhibit No. 2.
Mexico	Would you state what that is and what it shows, please?
New 1	A That is a schematic diagram of the well in question.
	It shows the mechanical hookup. Taking the well in chronological
uerq	order, we set 8-5/8 casing at 1654 feet, circulated cement to
Albuquerque,	cover all fresh water sands. The pipe is set 34 feet through
7	the base of the red beds. We drilled $7-7/8$ ths hole to TD of
ling	6250 feet and ran $5-1/2$ inch 17 pound J-55 casing. This was
Building	cemented in two stages, the first stage being 470 sacks of encor
Simms .	neat cement and the second stage with Halliburton DV tool and
) Sin	consisted of 180 sacks of encor neat cement. Cement volumes were
1120	calculated from a microcaliper log with ten percent excess being
Suite	added for the first stage and 25 percent excess for the second
- •	stage.
	The cement top calculates to be 2700 feet, which is

DEARNLEY, MEIER, WILKINS and CROWNOVER

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General Court Reporting Service

up into the salt as required by the Commission. The perforations you see are as they now exist in the well. The tubing has not been



run, to my knewledge. We are still attempting to complete in the Yates. The Model D packer set at 6,075 feet will effectively prevent communication between the two zones when the tubing is out of the hole by use of a flapper value on the bottom.

We propose to flow both of these zones if the Yates is willing. The Paddock we know will flow through a 2-1/16th inch tubing and the Yates we hope will flow. In the event that the Yates does not flow, it can easily be pumped through this size tubing with very good pump efficiency at top allowable rate.

243-6691

Phone.

New Mexico

Ibuquerque,

Building

Simms

Suite 1120

DEARNLEY, MEIER, WILKINS and CROWNOVER

General Court Reporting Service

Q What are the characteristics as far as you know at this time of each of these two zones, Mr. Vassar?

A As far as I know, based on the limited development in the Paddock, this zone is a depletion type reservoir. We have a 70-hour shut-in of 2238 pounds. The zone is expected to have a life of approximately five years, of which the first two should be flowing. Reserves are now estimated at 60,000 barrels. The OPT which I gave previously is indication that it is quite a good zone.

The Yates, as I said before, is still being completed. Based on other wells in the pool it is expected to have a life of four and a half to five years and produce some 20 to 25,000 barrels of oil. A 92-hour shut-in bottom hole pressure reading of 1304 psi was obtained during a BHP survey.

Based on surrounding wells, we expect the Yates to be of gravity of 32 to 37 degrees API, with a GOR of 200 to 4100,

			PAGE 6
	Γ	depending o	on the structural position of the well. Both of these
		crudes are	sour. The Paddock, as I neglected to mention, has a
		gravity of	37.5 degrees on OPT.
		Q	Have you given the gravities of both zones?
	ίόοι	А	Yes.
TER	243-0	Q	Gas-oil ratios of both?
101	Phone 243-6691	А	Yes.
VA	$Ph_{n}$	Q	And the pressures?
RO	0	А	Yes.
WILKINS and CROWNOVER ourt Reporting Service	New Mexico	Q	Would a single zone Yates completion in this area be
S an	lew N	an economi	cally attractive venture for Shell?
INS orting		А	No, sir, I don't believe that it would. We expect,
ILK t Rep	nerq	based on th	ne wells surrounding ours, we're on the very edge of the
<b>1</b> 3	Albuquerque,	defined po	ol right now. We expect 20 to 25,000 barrels, as I
MEIER, General (	7	have said,	and a well cost of approximately \$35,000. This is not
MEG	ilding	an attract	ive proposition.
•	Build		Based on the information we obtain from this dual if
NLF	Simms	we are gra	nted such permission, we may possibly drill a single zon
DEARNLEY,	0 Siv	to the Yat	es. We felt that the risk was not worth taking in this
DE	112	particular	case,
	Suite 1120	Q	The completion that you have proposed, Mr. Vassar, is a
		pretty sta	ndard type of dual completion, is that correct?
		A	Yes, it is.
		Q	Were Exhibits 1 and 2 prepared by you, and was the data
		shown on E	xhibit 3 placed there by you?



	_	
	Γ	A It was.
		MR. MORRIS: We offer Exhibits 1, 2, and 3 at this time.
		MR. UTZ: Without objection the Exhibits 1 through 3
		will be accepted into the record of this case.
	2	
ER	243-6601	(Whereupon, Applicant's Exhibits Nos. 1, 2, and 3 received in evidence.)
CROWNOVER	Phone 2	MR. MORRIS: That's all I have of Mr. Vassar at this
A	H	time.
ľRC	8	CROSS EXAMINATION
	Mexico	BY MR. UTZ:
S and Service	New A	Q Did you give a GOR and gravity for your Paddock zone?
WILKINS and Court Reporting Service		A Yes, I did, at different intervals. The GOR was 428
ILK t Rep	nerq	to 1, on our OFT, and the gravity was 37.5 degrees.
, W.	Albuquerque,	Q Are these both sweet crudes?
EIER General	r	A No, sir, they are to the best of my knowledge both
Y, MEIER, WILKINS General Court Reporting S	ding	sour crudes.
ΗX,	Building	Q As shown on your Exhibit 2, you have an open zone behind
NL	Simms	the pipe between the 5-1/2 inch from 2700 up to 1654. What zones
AR	o Sii	are in this area?
DEARNLE	1120	A That's the salt and anhydrite.
	Suite 1120	Q There's no potable water or oil producing zones in the
		area?
		A No, sir, there are not. The Yates is the highest, to
		my knowledge, oil producing zone in the Vacuum Field.
		MR. UTZ: Any other questions of the witness? The

**ه** 

		be excused.	
		witness may be excused. (Witness excused.)	
		MR. UTZ: Are there other statements in this case?	
		The case will be taken under advisement.	
	16	+ + + *	
TTINITED METER WILKINS and CROWNOVER	•	STATE OF NEW MEXICO ) COUNTY OF BERNALILLO ) I, ADA DEARNLEY, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the fore- going and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and that the same is a true and correct record of the said proceedings to the best of my knowledge, skill, and ability. WITNESS my Hand and Seal this 12th day of December, 1963. My Commission Expires: June 19, 1967.	
	DEAL	do hereby certify that the foregoing is , complete record of the proceedings in the Examiner hearing of Case No 2.9.4.6. heard by me on the second of the proceedings in the Examiner hearing of Case No 2.9.4.6. heard by me on the second of the proceedings in the Examiner hearing of Case No 2.9.4.6. heard by me on the second of the proceedings in the Examiner hearing of Case No 2.9.4.6. heard by me on the second of the proceedings in the Examiner hearing of Case No 2.9.4.6.	
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INJECTION WELL CASING PROGRAM

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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:

1 Asu

CASE No. 2946 order No. R- 2634

Propost in

APPLICATION OF SHELL OIL COMPANY FOR A BUAL COMPLETION, LEA COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on December 4, 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 \_\_\_\_\_ day of <u>December</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.

That the applicant, Shell Oil Company, seeks authority (2) to complete its State V Well No. 5, located in Unit I of Section 27, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Vacuum-Yates and Vacuum-Paddock Pools through parallel strings of  $\frac{2}{16}$  inch tubing, with separation of zones by a packer set at approximately 6075 feet.

(3) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

(4) That approval of the subject application will prevent waste and protect correlative rights.

-2-CASE No. 2946

#### IT IS THEREFORE ORDERED:

(1) That the applicant, Shell Oil Company, is hereby authorized to complete its State V Well No. 5, located in Unit I of Section 27, Township 17 South, Range 35 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Vacuum-Yates and Vacuum-Paddock Pools through parallel strings of  $\mathcal{L}//\mathcal{L}$ -inch tubing, with separation of zones by a packer set at approximately  $\mathcal{L}$ 

**PROVIDED HOWEVER**, That the applicant shall complete, operate and produce said well in accordance with the provisions of Rule 112-A of the Commission Rules and Regulations insofar as said rule is not inconsistent with this order.

**PROVIDED FURTHER**, That the applicant shall take packerleakage tests upon completion and annually thereafter during the Gas-Oil Ratio Test Period for the <u>Vacuum-Paddock</u> Pool.

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

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