TOT ST. - SE AND CONTROL OF THE SOUTH FOUR LAKES DEST WELL NO. 8
Lea County, New Mexico.

050 Application, Transcript,

Small Exhibits. Etc.

OIL CONSERVATION COMMISSION P. O. BOX 871 SANTA FE, NEW MEXICO

July 2, 1959

Mr. Howard Bratton Hervey, Daw & Hinkle P. O. Box 547 Roswell, New Mexico

Dear Mr. Bratton:

On behalf of your client, Rumble Oil & Refining Company, we enclose two copies of Order No. R-1431 issued by the Oil Conservation Commission July 2, 1939.

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

ALP/ir

Inclosures

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

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

CASE No. 1702 Order No. R-1431

APPLICATION OF HUMBLE OIL & REFINING COMPANY FOR AN ORDER AUTHORIZING AN OIL-GAS DUAL COMPLETION IN THE FOUR LAKES-PENNSYLVANIAN POOL EXTENSION AND IN THE FOUR LAKES-DEVONIAN GAS FOOL, LEA COUNTY, NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 8 o'clock a.m. on June 24, 1959, 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 <u>And</u> day of July, 1959, 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, Humble Oil & Refining Company, is the operator of the South Four Lakes Unit Well No. 6, located 1980 feet from the South line and 660 feet from the East line of Section 2, Township 12 South, Range 34 East, NMPM, Lea County, New Mexico.
- (3) That the applicant proposes to dually complete said South Four Lakes Unit Well No. 6 in such a manner as to permit the production of oil from the Four Lakes-Pennsylvanian Pool Extension and the production of gas from the Four Lakes-Devonian Gas Pool through parallel strings of tubing.
- (4) That the mechanics of the proposed duel completion are feasible and in accord with good conservation practices.

-2-Case No. 1702 Order No. R-1431

(5) That approval of the subject application will neither cause waste nor impair correlative rights.

IT IS THEREFORE ORDERED:

That the applicant, Humble Oil & Refining Company, be and the same is hereby authorized to dually complete its South Four Lakes Unit Well No. 6, located 1980 feet from the South line and 660 feet from the East line of Section 2, Township 12 South, Range 34 East, NMPM, Lea County, New Mexico, in such a manner as to permit the production of oil from the Four Lakes-Pennsylvanian Pool Extension and the production of gas from the Four Lakes-Devonian Gas Pool through parallel strings of tubing.

PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

PROVIDED FURTHER, That applicant shall take packer-leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Four Lakes-Pennsylvanian Pool.

IT IS FURTHER ORDERED: That jurisdiction of this cause is hereby retained by the Commission for such further order or orders as may seem necessary or convenient for the prevention of waste and/or protection of correlative rights; upon failure of applicant to comply with any requirement of this order, after proper notice and hearing the Commission may terminate the authority hereby granted and require applicant or its successors and assigns to limit its activities to regular single-zone production in the interests of conservation.

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

STATE OF NEW MEXICO OIL CONSERVATION CO MISSION

JOHN BURROUGHS, Chairman

usuma

MURRAY E. MORGAN, Member

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

vem/

OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

Date

Staff Member

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE NO. 1702

TRANSCRIPT OF HEARING

June 24, 1959

DEARNLEY - MEIER & ASSOCIATES GENERAL LAW REPORTERS ALBUQUERQUE NEW MEXICO Phone Chapel 3-6491

INDEX

WITNESS DIRECT CROSS REDIRECT
WILLIAM S. DAVIS 4 11

BEFORE THE OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO June 24, 1959

IN THE MATTER OF:

Application of Humble Oil & Refining Company for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its South Four Lakes Unit Well No. 6, located in the SW/4 SE/4, Section 2, Township 12 South, Range 34 East, Lea County, New Mexico, in such a manner as to produce oil from a Four Lakes-Pennsylvanian Pool extension and gas from a Four Lakes-Devonian Gas Pool extension through parallel strings of tubing.

CASE NO. 1702

BEFORE:

ELVIS A. UTZ, Examiner.

TRANSCRIPT OF PROCEEDINGS

MR. UTZ: Case 1702.

MR. PAYNE: Case 1702. Application of Humble Oil & Refining Company for an oil-gas dual completion.

MR. BRATTON: Howard Bratton, appearing on the behalf of the applicant. We have one witness and ask that he be sworn.

(Witness sworn.)

WILLIAM S. DAVIS

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

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Phone CHopel 3-6691

DIRECT EXAMINATION

BY MR. BRATTON:

Q Will you state your name and by whom you are employed and in what capacity?

A William S. Davis, Senior Engineer with the Western Division office for the Humble Oil & Refining Company, Midland.

Q Would you state briefly your educational and professional background?

A I was graduated from the University of Texas in January of 1949 with a Bachelor of Science in Petroleum Engineering. I joined the Humble Company immediately thereafter and have been with them ever since in the Gulf Coast and Basin areas. For the last four years I have been in the Western Division which includes West Texas, New Mexico and Arizona, in both staff and field operations.

Q Are you familiar with the South Four Lakes area in New Mexico?

- A Yes.
- Q Is that a part of your operation?
- A Yes, that is part of our operation.
- Q Are you familiar with the application filed by Humble in this case?
 - A I am.
 - Q Are the witness' qualifications acceptable?

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Phone CHapel 3-6691

MR. UTZ: They are.

- Q (By Mr. Bratton) Mr. Davis, do you have a plat of the area in question and the well in question marked Humble Exhibit No. 1?
 - A Yes.
 - Q Will you explain what is shown on that plat?
- A This plat shows the location of Humble's South Four Lakes Unit 1 Well 6 in Section 2, which is the well in question. This well is 660 feet from the east line of Section 2 and 1980 from the south line.
 - Q This is in the South Four Lakes unit?
- A Yes, this is in the South Four Lakes unit which is operated by Humble. The well is completed in the Four Lakes Pennsylvanian and Four Lakes Devonian Pools.
- Q And shown on the plat are all of the offset operators to the unit area?
- A Yes, those are shown as well as all the wells that are in the unit.
- Q Referring to the particular well in question, No. 6.

 Do you have a log of that well, Mr. Davis?
- A Yes, here are three copies of the radioactivity log of Four Lakes 6 with the completion intervals in the Pennsylvanian and Devonian both indicated.
 - Q That log is marked Exhibit No. 2?

- A Yes, that is our Exhibit No. 2.
- Q What does that log show with relation to the intervals in question, Mr. Davis?
- A Well, it shows that there is nearly 1000 feet of separation between the two intervals in questions. I might add that both of these intervals are recognized as completions in separate oil pools. There is, however, no dual completion in this field prior to this one.
- Q What are the intervals on the Pennsylvanian Oil Pool and Devonian Gas Pool?
- A The Pennsylvanian perforated at 9901 to 9929 feet.

 And the Devonian is perforated at 12,793 to 12,831 feet.
- Q Do you have a diagramtic sketch of the installation dual completion installation in this well, Mr. Davis?
 - A Yes. We offer that as Exhibit No. 3.
- Q Referring to Humble's Exhibit No. 3, would you go through that completely and explain just exactly what the installation is?
- A The Four Lakes 6 was drilled in the early part of this year and the drilling was completed in April of 1959. As noted on the Exhibit the surface casing of 13 3/8 inch was set at 420 feet and the cement circulated. The intermediate string 9 5/8 is set at 43; cement was also circulated on that. The oil string was set total depth 7 inch casing at 12,070 feet cemented

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with 1180 sacks of cement, and the top was found by temperature survey 9460 feet. The Fennsylvanian and Devonian were perforated as we have noted before and two strings of n-80 tubing with bevel couplings were run. The Baker Model "D" packer separating these zones is set at 12,555. In the long string immediately above the packer there is a position one nipple and just above that Baker C-1 receptacle. This particular combination makes it possible to set a blanking plug just above the packer and pull a long string as well as a short string in the event you want to work on the upper zone without contamination of the lower zone. Just above that installation is an Otis sleeve and above that a Position 2 nipple which makes it possible to work on the lower zone. The Devonian, with wire line tools. There is a Baker tubing anchor at 10,001 feet and in the Pennsylvanian string of tubing there is also a pump tubing set which will make it possible to run a pump in the event Pennsylvanian declines and makes it necessary.

- Q What is the size of the tubing to both strings?
- A That is regular two inch, EVE-280.
- Q Is the Pennsylvanian flowing or is that pumping now?
- A The Pennsylvanian is flowing now at present. In fact, that side is being produced prior to the hearing on this application.
 - Q Is the installation equipped where it can be pumped,

where a pump can be put on?

A Yes, the setting nipple is indicated on the diagram on the Pennsylvanian side.

Q Is there anything else you wish to bring out as to the installation, Mr. Davis?

A I believe not. This is all commercially available equipment and I believe fairly routine for completions of this type.

Q Mr. Davis, application for this dual completion was made sometime ago but it was not set down until this hearing, is that correct?

A That's correct.

Q In the interim has Humble proceeded to run the test as required under Rule 112-A of Paragraph 5, the packer leakage tests?

A Yes, sir, those have been submitted through the regular Commission channels by our Hobbs District office and submitted generally in the middle of May.

Q For the record, do you have a copy of the report submitted?

A Yes, I have a copy of it here in this file.

Q Will you read into the record what is shown on that report, the results of those tests?

A The packer leakage test submitted by our Hobbs

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District office on May 15, 1959, showed that on a test from May the 4th to May the 8th the Devonian was produced without any indication of draw down in the Pennsylvanian, and subsequently the Pennsylvanian was produced without any indication of draw down in the Devonian. And that was submitted on the regular Commission form for that purpose and is a part of the Commission record.

- Q The two strings of tubing flow separate batteries?
- A Yes, sir. There is complete separation all the way through the battery.
- Q Did Humble notify all offset operators of the filing of this application?
- A Yes, sir, with our letter of April 17th we notified the offset lease holders. And here is a copy of Humble's letters and the registration slips.
- Q We will offer that as Exhibit No. 4. Have you received any objection or heard from any of the offset operators with regard to this installation?
 - A No, sir, to my knowledge there has been no objection.
- Q The Pennsylvanian is now producing, but the Devonian has been shut in, is not producing?
 - A That's correct.
- Q In your opinion, Mr. Davis, is this installation safe to prevent any possibility of commingling between the zones?
 - A Yes, I believe that we have effective separation

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established.

- Q In your opinion is the installation adequate to permit effective production of both reservoirs?
 - A Yes, it is.
- Q In your opinion will the granting of this application prevent waste and protect correlative rights?
 - A Yes, sir.
- Q Do you have anything further that you care to state with regard to this application?
 - A No, I have nothing further to add.
- Q Were Exhibits 1 through 4 prepared by you or under your supervision?
 - A Yes.

MR. BRATTON: We would offer those Exhibits in evidence.

MR. UTZ: Without objection Exhibits 1 through 4 will be entered in evidence.

MR. BRATTON: I have no further questions of the witness.

MR. UTZ: Mr. Davis, can the Devonian be pumped satisfactorily in the event you have to?

A It would be possible to pump because this is a pull open string of 2 inch tubing. However, our plans for the Devonian, which is a gas condensate of a highly unusual nature makes us to believe that it will not be necessary to pump in the

DEARNLEY - MEIER & ASSOCIATES GENERAL LAW REPORTERS ALBUQUERQUE, NEW MEXICO Phone CHapel 3-6691 forseeable future. The pressure has been quite well maintained in that reservoir I believe so far.

CROSS EXAMINATION

BY MR. PAYNE:

Q Mr. Davis, is this well within the horizonatal limits of the Four Lakes Devonian Gas Pool?

A It is now, Mr. Payne. When the application was originally filed I believe it was not, and for that reason the original letter mentioned undesignated. There have been two revisions. One, the horizontal limits, and one the reclassification of the Devonian, and I believe subsequent letters correct that situation.

MR. UTZ: Are there any other questions? If there are no questions of the witness, the witness may be excused.

(Witness excused.)

MR. UTZ: Are there any other statements to be made in this case? If there are none, the case will be taken under advisement. The hearing is adjourned.

(Whereupon the hearing was concluded.)

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ALBUQUERQUE, NEW MEXICO
Phone Chapel 3-6691

STATE OF NEW MEXICO : ss COUNTY OF BERNALILLO)

I, Ned A. Greenig, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached transcript of preceedings before the Oil Conservation Commission was reported by me in stenotype and reduced to typewritten transcript by me and/or under my personal supervision and that the same is a true and correct record to the best of my knowledge, skill and ability.

Witness my hand and seal this the day of July, 1959, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

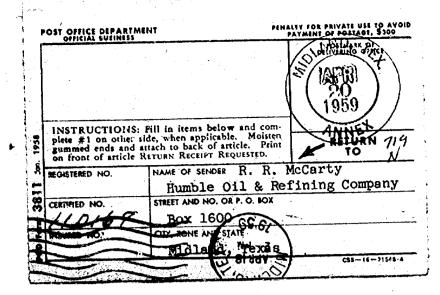
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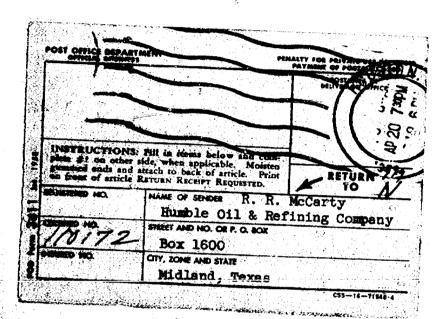
My Commission Expires: May 5, 1963

New Mexico Oil Conservation Commission

DEARNLEY - MEIER & ASSOCIATES GENERAL LAW REPORTERS ALBUQUERQUE, NEW MEXICO Phone CHapel 3-6691 HUMBLE OIL & REFINING COMPANY

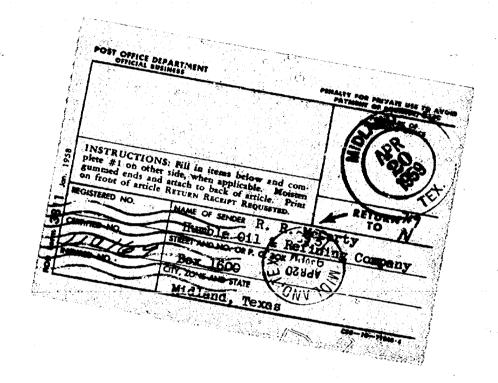
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HUMBLE OIL & REFINING COMPANY

MIDLAND, TEXAS

F. J. Danglade
P. O. Box 675
Lovington, New Mexico

Magnolia Petroleum Co. ~ P. O. Box 633 Midland, Texas

The Ohio Oil Company P. O. Box 552 Midland, Texas

Midland, Texas April 17, 1959

H. J. Porter 3402 Gulf Building Houston 2, Texas

Southern Petroleum Exploration, Inc. 'P. O. Box 1017 Roswell, New Mexico

Sunray Mid-Continent Oil Co. 1101 Wilco Building Midland, Texas

Gentlemen:

Please find attached Humble Oil & Refining Company's request for Examiner Hearing for a dual oil - oil completion for our South Four Lakes Unit 1, Well No. 6.

This notice is given in accordance with the rules of the New Mexico Oil Conservation Commission.

Yours very truly,

Humble Oil & Refining Company

NLILE uslee R. R. McCarty

JEP/pw

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Limble: EXHIBIT NO. 4
CASE NO. 1702

Humble Oil & Refining Company Haring. oil oil Tual Midland, Texas

April 17, 1959

Application for Dual Completion South Four Lakes Unit 1, Well No. 6 Undesignated Pennsylvanian & Devonian Pools

ea County, New Mexico

New Mexico Oil Conservation Commission Box 871

Santa Fe, New Mexico

ATTENTION: Mr. A. L. Porter, Jr.

Gentlemen:

Fumble Oil & Refining Company respectfully requests that the New Mexico Oil Generovation Commission set for Examiner Hearing our application for dual(oil) 611 completion in an Undesignated Pennsylvanian 011 Pool and an Undesignated Devonian Oil Pool for the subject well. In support of this application we submit the following information:

- 1. Humble 0:1 & Refining Company is the operator of the South Four Lakes Unit 1, Well No. 6, located 1980 feet from the South and 660 feet from the East lines of Section 2, Township 12 South, Range 34 East, NMPM, Lea County, New Mexico.
- 2. The subject well was drilled to a total depth of 12,870 feet and plugged back to 12,845 feet. It is proposed to dually complete the well in the Undesignated Devonian zone through perforations from 12,793 to 12,830 feet and the Undesignated Pennsylvanian zone through perforations from 9,929 to 9,945 feet.
- 3. It is proposed to dually complete this well in such a manner as to permit the production of oil from the Undesignated Devonian zone and the production of oil from the Undesignated Pennsylvanian zone through parallel strings of 2-3/8" tubing.
- The dual completion of the subject well will be in the interest of Conservation and the mechanics of the dual are feasible and practical.
- Approval of the subject application will not cause waste nor impair correlative rights.
- This application is further supported by a diagrammatic sketch, revised Form C-128, unit plat showing all offset operators, Application for Dual Completion and a copy of letter to all offset operators.

7. All offset operators were notified on this date by Certified mail of Humble's application.

I hereby certify that the information given above is true and correct to the best of my knowledge.

Yours very truly,

HUMBLE OIL & REFINING COMPANY

HeHenolan R. R. McCARTY

JEP/pw

Subscribed and sworn to before me this ___

Notary Public in and for Midland County, Texas Betty Ann Weathers

HUMBLE OIL & REFINING COMPANY

MIDLAND, TEXAS

Midland, Texas April 17, 1959

F. J. Danglade P. O. Box 675 Lovington, New Mexico

Magnolia Petroleum Co. P. O. Box 633 Midland, Texas

The Ohio Oil Company P. O. Box 552 Midland, Texas H. J. Porter 3402 Gulf Building Houston 2, Texas

Southern Petroleum Exploration, Inc. P. O. Box 1017 Roswell, New Mexico

Sunray Mid-Continent Oil Co. 1101 Wilco Building Midland, Texas

Gentlemen:

Flease find attached Humble Oil & Refining Company's request for Examiner Hearing for a dual oil - oil completion for our South Four Lakes Unit 1, Well No. 6.

This notice is given in accordance with the rules of the New Mexico Oil Conservation Commission.

Yours very truly,

Humble Oil & Refining Company

MLILE usles.
R. R. McCarty

JEP/pw

NEW MEXICO OIL CONSERVATION COMMIS ON

Well Location and Acreage Dedication Plat

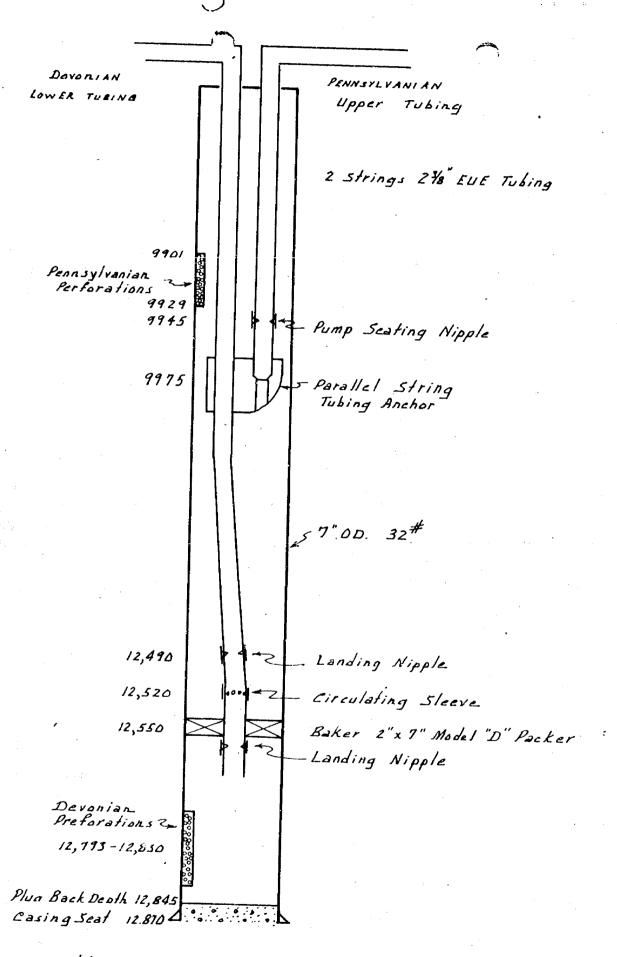
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						This is to certify that the information in Section A above is true and complete to the best of my knowledge and belief. HUMBLE O!L & REFG. CO (Operator) (Representative) Assistant Division Supt. Box 1600 Midland, Texas Address
					0861	This is to certify that the well location shown on the plat in Section B was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief. Date Surveyed 4-22-58 Registered Professional Engineer and/or Land Surveyed

SANTA FE, NEW MEXICO

APPLICATION FOR DUAL COMPLETION

Field Name			-	County		Date	
Undesignated Lease		Tacca			Well No.		
•				Four Lakes Unit No. 1		6	
Location		Section	, <u>500011 100</u>	Township		Range	
of Well	I	2		12 - 5		34-E	
1. Has th	e New Mexico Oil Conservation	n Commissi	on heretofore au	thorized the dual comple	tion of a wel	l in these same pools or in the same	
zones	within one mile of the subject	well? YE	SNO_x	 .			
2. If answ	ver is yes, identify one such in	stance: O	rder No.	; Operator,	Lease, and V	Vell No.:	
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3. The following facts are submitted: Upper Zone Lower Zone						Lower Zone	
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	Flowing or Artificial Lift)	Pur	nping		Flow	ing '	
4. The fo	llowing are attached. (Please	mark YES	or NO)				
yes yes no List al F. J. Magnol	tervals, tubing strings, inc information as may be perticular to be Plat showing the location operators of all leases offs. E. Waivers consenting to such been furnished copies of the d. Electrical log of the well thereon. (If such log is not loffset operators to the lease Danglade, Box 675, I lia Petroleum Co., Both and Oil Company, Box	luding diam nent. of all well etting applich dual come application other act available on which the ovingto ox 633,	s on applicant's icant's lease. pletion from each on.* ceptable log with at the time applihis well is locatin, New Mexi. Midland, Texa dland, Texa	depth, location and type lease, all offset wells of hoffset operator, or in line tops and bottoms of precation is filed, it shalled together with their coco	e of packers on offset leas ieu thereof, e oducing zone be submitted	and setting, top of cement, perforated in- and side door chokes, and such other ses, and the names and addresses of evidence that said offset operators have as and intervals of perforation indicated as provided by Rule 112-A.) address.	
	Porter, 3402 Gulf Bl ern Petroleum Explora				Mexi.co		
	y Mid-Continent Oil (
of such	ll operators listed in Item 5 ab a notification April 17,	ove notified 1959	d and furnished a	copy of this application	n? YES_X_	NO If answer is yes, give date	
	, , , , , , , , , , , , , , , , , , , ,	any), and t	hat I am authoriz	ed by said company to n	nake this rep	Humble Oil & Refining ort; and that this report was prepared	
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	* t				APHE	nole	
Ci af NÖTE: If	ommission will hold the applic ter said twenty-day period, no	ation for a protest nor will result	period of twenty request for hear in an unorthodox	pplication for administration (20) days from date of reing is received by the Sawell location and/or a sawell location and sawell l	ative approva eceipt by the anta Fe offic non-standard	al, the New Mexico Oil Conservation Commission's Santa Fe office. If, e, the application will then be processed proration unit in either or both of the	

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South Four Lakes Unit -1 Well#6

DOCKET: EXAMINER HEARING JUNE 24, 1959

OIL CONSERVATION COMMISSION - 1120 CERRILLOS ROAD, HIGHWAY DEPARTMENT AUDITORIUM, 8 a.m., SANTA FE, NEW MEXICO

The following cases will be heard before Elvis A. Utz, Examiner, or A. L. Porter, Jr., Secretary-Director.

CONTINUED CASE

CASE 1666: Application of Sunray Mid-Continent Oil Company for approval of a unit agreement. Applicant, in the above-styled cause, seeks an order approving its Central Bisti-Lower Gallup Sand Unit embracing approximately 7389 acres of federal, state, and allotted Indian lands in the Bisti-Lower Gallup Oil Pool, San Juan County, New Mexico.

NEW CASES

- CASE 1692: Application of Continental Oil Company for the establishment of a non-standard gas proration unit in the Tubb Gas Pool. Applicant, in the above-styled cause, seeks the establishment of a 160-acre non-standard gas proration unit in the Tubb Gas Pool consisting of lot 15, the N/2 SE/4 and the SE/4 SE/4 of Section 3, Township 21 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to applicant's Hawk B-3 Well No. 2-T, located 1650 feet from the South and East lines of said Section 3.
- CASE 1693: Application of Amerada Petroleum Corporation for three non-standard oil proration units. Applicant, in the above-styled cause, seeks an order establishing three 43.7 acre non-standard oil proration units for Mississippian production in the SE/4 of Section 11, Township 13 South, Range 38 East, Lea County, New Mexico. Applicant further seeks approval of one unorthodox oil well location.
- CASE 1694: Application of Texas Crude Oil Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing it to dually complete its Big Eddy Unit 1-30 Well, located in the SE/4 SE/4 of Section 30, Township 20 South, Range 31 East, Eddy County, New Mexico, in such a manner as to produce oil from an undesignated Tansil pool and to produce oil from an undesignated Delaware pool through parallel strings of tubing.
- CASE 1695: Application of Texaco, Inc. for a triple completion, for permission to commingle the production from three separate pools, and for the establishment of two non-standard gas proration units, Applicant, in the above-styled cause, seeks an order authorizing it to triple complete its A. H. Blinebry NCT-4 Well No. 1, located in the SE/4 SE/4 of Section 31, Township 22 South, Range 38 East, Lea County, New Mexico, in such a manner as to permit production from the Blinebry formation, production of gas from the Tubb Gas Pool, and production of oil from the Drinkard Pool through tubing, the annulus via cross-over, and tubing respectively. Applicant further seeks the establishment of a 160-acre non-standard gas proration unit in both the Tubb Gas Pool and Blinebry Gas Pool each consisting of the S/2 S/2 of said Section 31. Applicant further seeks permission to commingle the liquid production from the Blinebry, Tubb, and Drinkard formations underlying said acreage.

- CASE 1696: Application of Caulkins Oil Company for a triple completion. Applicant, in the above-styled cause, seeks an order authorizing it to triple complete its Breech "F" Well No. PMD-8, located in the NE/4 NE/4 of Section 34, Township 27 North, Range 5 West, Rio Arriba County, New Mexico, in such a manner as to produce gas form the South Blanco-Pictured Cliffs Pool, gas from the Mesaverde formation, and gas from the Dakota formation through parallel strings of tubing.
- CASE 1697: Application of Universal Oil Corporation for the creation of a new oil pool for Gallup production, and for an exception to Rules 104 and 107 for wells in said pool. Applicant, in the above-styled cause, seeks an order creating a new pool for Gallup production to be designated the Shiprock-Gallup Oil Pool and located in Sections 16 and 17, Township 29 North, Range 18 West, San Juan County, New Mexico. Applicant further seeks the promulgation of pool rules to permit wells in said pool to be located closer than 660 feet to the nearest producing well in exception to Rule 104, and to permit certain exceptions to the casing requirements of Rule 107 of the Commission Rules and Regulations.
- CASE 1698: Application of Shell Oil Company for an exception to Rule 502 I (a). Applicant, in the above-styled cause, seeks an order which would exempt all wells in the Carson Unit Area and all other Shell wells in Township 25 North, Ranges 11 and 12 West, Bisti-lower Gallup Oil Pool, San Juan County, New Mexico, from the daily tolerance provisions of Rule 502 I (a) of the Commission Rules and Regulations.
- CASE 1195: Application of Graridge Corporation for capacity allowables for certain wells in a water flood project. Applicant, in the above-styled cause, seeks an order authorizing capacity allowables for three wells in the project area of its water flood in the Caprock-Queen Pool in Lea and Chaves Counties, New Mexico.
- CASE 1196: Application of Graridge Corporation for an order amending Order No. R-966. Applicant, in the above-styled cause, seeks an order amending Order No. R-966 to establish administrative procedures for development of its Artesia Water Flood Projects No. 2 and 3, Artesia Pool, Eddy County, New Mexico, and for approval of unorthodox locations for 27 wells in said projects, for authority to convert six wells in said projects to water injection, and for capacity allowables for five wells in said projects.
- CASE 1185: Application of Graridge Corporation for an order amending Order No. R-952. Applicant, in the above-styled cause, seeks an order amending Order No. R-952 to establish administrative procedures for development of its Artesia Water Flood Project No. 1, Artesia Pool, Eddy County, New Mexico, and for approval of unorthodox locations for fifteen wells in said project, and for capacity allowables for five wells in said project.
- CASE 1699: Application of J. W. Brown for an order authorizing a pilot water flood project. Applicant, in the above-styled cause seeks an order authorizing it to institute a pilot water flood project in the Brown Pool, Chaves County, New Mexico, by the injection of water into the Queen formation through four wells located in the SE/4 NW/4 of Section 26, Township 10 South, Range 26 East, Chaves County, New Mexico.

- CASE 1337: Application of Gulf Oil Corporation for an order amending Order No. R-1093-A. Applicant, in the above-styled cause, seeks an order amending Order No. R-1093-A to permit the commingling of Paddock production with the commingled Blinebry, Drinkard, and Langlie-Mattix production from its Learcy McBuffington lease consisting of the S/2 of Section 13, Township 25 South, Range 37 East, Justis Field, Lea County, New Mexico.
- CASE 1700: Application of Gulf Oil Corporation for permission to commingle the production from two separate leases: Applicant, in the above-styled cause, seeks an order authorizing it to commingle the production from the East Millman Queen-Grayburg Pool from two separate non-contiguous leases in Township 19 South, Range 28 East, Eddy County, New Mexico.
- CASE 1703: Application of Tidewater Oil Company to commingle the production from several separate oil pools from two separate leases. Applicant, in the above-styled cause, seeks an order authorizing it to commingle the intermediate grade crudes produced from its Coates "D" Lease comprising the SE/4 SW/4 of Section 24, Township 25 South, Range 37 East, Justis Field, Lea County, New Mexico, with the commingled production of all intermediate grade crudes produced from its Coates "C" Lease comprising the E/2, SE/4 NW/4, and the NE/4 SW/4 of said Section 24 and to pass such commingled production through its automatic custody transfer system.
- CASE 1704: Application of Cities Service Oil Company for capacity allowables for nine wells in a water flood project and for establishment of administrative procedure for expansion of said project. Applicant, in the above-styled cause, seeks an order authorizing capacity allowable for nine wells in the project area of its water flood project in the Caprock-Queen Pool, Chaves County, New Mexico. Said capacity allowables would be in exception to Order R-1128-A. Applicant further seeks establishment of an administrative procedure to expand said water flood project.
- CASE 1705: Application of Neville G. Penrose, Inc., for a capacity allowable for one well. Applicant, in the above-styled cause, seeks an order authorizing a capacity allowable for its Alston Well No. 2, located in the NW/4 NW/4 of Section 11, Township 14 South, Range 31 East, Caprock Queen Pool, Chaves County, New Mexico, due to a response from the adjoining Cities Service Oil Company water flood project. Said capacity allowable would be in exception to Order R-1128-A.

NEW MEXICO OIL CONSERVATION COMMISSION

Docket No. 23-59-a

In addition to the cases listed on Docket No. 23-59, the following cases will also be heard June 24, 1959, before Elvis A. Utz, Examiner, or A. L. Porter, Jr., Secretary-Director:

CASE 1701:

Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Learcy McBuffington Well No. 5, located in the NW/4 SE/4, Section 13, Township 25 South, Range 37 East, Lea County, New Mexico, in such a manner as to produce oil from an undesignated Paddock Pool and oil from the Justis-Ellenburger Pool through parallel strings of tubing.

CASE 1702:

Application of Humble Oil & Refining Company for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its South Four Lakes Unit Well No. 6, located in the SW/4 SE/4, Section 2, Township 12 South, Range 34 East, Lea County, New Mexico, in such a manner as to produce oil from a Four Lakes-Pennsylvanian Pool extension and gas from a Four Lakes-Devonian Gas Pool extension through parallel strings of tubing the

CASE 1706:

Application of Sunray Mid-Continent Oil Company for an order amending Order No. R-1414. Applicant, in the above-styled cause, seeks an order amending Order No. R-1414 to include the following additional acreage: NW/4 NW/4 of Section 6, Township 25 North, Range 12 West, and the SW/4 SW/4 of Section 31, Township 26 North, Range 12 West, San Juan County, New Mexico.

Place of hearing will be Highway Department Auditorium, 1120 Cerrillos Road, Santa Fe, New Mexico.

Time of hearing will be 8:00 o'clock a.m.

HUMBLE OIL & REFINING COMPANY

MIDLAND, TEXAS

May 26, 1959

Application For Dual Completion Rumble Oil & Refining Company South Four Lakes Unit 1, Well 6 Undesignated Pennsylvanian and Devonian Pools Lea County, New Mexico

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

Attention: Mr. A. L. Porter, Jr.

Gentlemen:

By letter dated April 17, 1959, Rumble Oil & Refining Company requested that the New Mexico Oil Conservation Commission set for Examiner Hearing an application for a dual oil-oil completion in an Undesignated Devonian Oil Pool and an Undesignated Pennsylvanian Oil Pool for Humble's South Four Lakes Unit 1, Well 6. This well is located 1980 feet from the South and 660 feet from the East lines of Section 2, Township 12 South, Range 34 East, NMPM, Lea County, New Mexico.

By Case No. 1621, Order No. R-1371, New Mexico Oil Conservation Commission approved Rumble's application for an order reclassifying Four Lakes-Devonian (Oil) Pool as a gas pool. You are requested, therefore, to amend Rumble's application from a dual oil-oil completion to a dual gas-oil completion in an Undesignated Devonian Gas Pool and an Undesignated Pennsylvanian Oil Pool.

Yours very truly,

Humble Oil & Refining Company

Heffensler R. R. McCarty

Division Production Manager

WHN:ar

cc: All Offset Operators

Selan Wenx Min. C.