Case Number.

Application

Transcripts.

Small Exhibits

IN THE MATTER OF:

BEFORE: Daniel Mutter, Examiner.

Application of Mobil Oil

County. Now Mexico.

Corporation for a special gasoil ratio limitation, Chaves,

TRANSCRIPT OF HEARING

BEFORE THE NEW MEMICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico September 10, 1969

EMAMINED HEARING

Case Mo. 4211

1120 SIMMS BLDG. . P. O. BOX 1092 . PHONE 243-6691

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MR. NUTTER: Case 4211.

MR. HATCH: Case 4211. Application of Mobil Oil Corporation for a special gas-oil ratio limitation, Chaves County, New Mexico.

MR. SPERLINC: James E. Sperling, Modrall,
Seymour, Sperling, Rhoel and Harris, Albuquerque, appearing
for the Applicant. We have one witness.

MR. NUTTER: The record will show he is still under oath.

(Whereupon, Applicant's Exhibits 1 through 7 were marked for identification.)

DIRECT EXAMINATION

BY MR. SPERLING:

- Q State your name, please.
- A My name is C. R. Kreuz.
- Q You are the same C. R. Kreuz that testified in Case 4210?
 - A Yes, sir, I am.
- Q Would you please explain what is sought by Mobil Oil Corporation in Case 4211?
- A Mobil is requesting an exception to Rule 506 of the Commission's Rules and Regulations to provide for a limiting gas-oil ratio in excess of the existing limit

of two thousand cubic feet per barrel in the Lightcap Pennsylvanian Pool.

Q Would you please refer to Exhibit 1 and state what is shown on that exhibit?

A Exhibit 1 is an area map showing the Lightcap

Penn Pool area. It shows the one well which is currently

completed in the Lightcap Penn Pool.

O'Brian Well No. 1. This well, which is a dual completion, dually completed in the Lightcap Pennsylvanian Pool and the Lightcap Devonian Pool is located 660 feet out of the Northeast corner of Section 7, Township 8 South, Range 29 East, and this well is the discovery well for the Lightcap Penn Pool and it was completed and potentialed in February of 1969, for 89 barrels of oil per day in a gas-oil ratio of 12,999 cubic feet per barrel.

Now, refer to Exhibit No. 2 and state what it shows.

A Exhibit No. 2 is a set of three sheets which show the allowable schedule for July, August and September of 1969. On these three schedules I have underlined the one well completed in the Lightcap Penn Field, the C. I.. O'Brian Well No. 1, showing that this well has a GOR

behalized allowable of 17 barrels a day for the month of July and ther 16 barrels a day for the month of August and September.

- O What does Exhibit No. 3 show?
- A Exhibit No. 3 is a production summary showing all production, gas production and gas-oil ratio for Mobil C. L. O'Brian Well No. 1 in the Lightcap Penn Pool for starting in February of 1969 and going on through July of 1969. This shows that the producing GOR was in the range of six thousand cubic feet per barrel in February, less than a thousand cubic feet per barrel in March and then increasing and somewhere in order of 50 to 60,000 cubic feet per barrel during the months of May, June and July.
 - Q Exhibit 4?
- A Exhibit 4 is a graphic representation of the tabular data shown on Exhibit No. 3.
 - 9 Now, refer to Exhibit 5 and explain it.
- A Exhibit 5 is a plot of gas-oil ratio tests that Mobil has made -- performed on this well since it was completed. This plot shows the gas-oil ratio in cubic feet per barrel plotted against production and barrels of oil per day. Here we can see on this exhibit that our COR

does not appear to be rate sensative in that the gas-oil ratio increases as production increases.

Here we see the beculiarity that is as your production increases your gas oil ratio does down: and here again, I think this is perhaps due to the tubing loading up and liquid falling out and gas breaking out of tubing due to low velocity resulting from low producing rates.

- 0 Is the gas from this well being marketed?
- A Yes, sir, it is.
- O To whom?
- A It's being marketed to City Service Oil Company.
- O Is that reflected by Exhibit 6?
- A Yes, sir. Exhibit 6 is a letter from Mr.

 Donald A. Board with City Service Oil Company to Mobil

 Oil Corporation varifying that City Service is purchasing

 gas from Mobil C. L. O'Brian lease in the Lightcap Penn

 Pool under a casing head contract dated June 4, 1968.

Mr. Board varifies that this gas is --- from this lease is processed in their Bluitt Gas Processing Plant and also states that City Service shall continue to take all available gas as long as it is economical to do so.

- O Have you had any tests made on this well relating to liquid tests samples and so on?
 - A Yes, sir, we have.
 - O Is that reflected by Exhibit 7?
- A Ves. sir. Exhibit 7 is a letter to Mobil Oil Corporation from Core Lab, Incorporated, in regard to a reservoir fluid analysis that they performed on our C. L. O'Brian Well No. 1 in the Lightcap Penn Pool.

We had this test made thinking that perhaps the Penn reservoir was a gas reservoir. And, Core performed this analysis for us and they stated that they observed a rectrograde due point at 5,443 PSIG. And the original reservoir pressure, which we took when this well was completed — was 2,957 PSIG.

So, we are well below the due point in this reservoir and due to the gravity of the liquid that we obtained from this well and we just really didn't have any definite conclusion as to whether or not this is an oil reservoir or a gas reservoir. They do state in here, in Core's letter — they do state that at the reservoir pressure of 2,957 PSIG that the volume of retrograde liquid condensation was measured to be 4.7 percent of the total hydrocarbon pore space.

- O And attached to the letter to which you have referred is considerable data obtained as result of the sampling and analysis of the reservoir fluids, is that correct?
 - A Yes, sir: that's correct.
- O Does the exhibit have any other significance to you, Mr. Kreuz?
- A No, sir. It doesn't really. I have just submitted this exhibit more or less for the Commission's perusal and because we had taken the tests, I thought perhaps they could use this information in making a determination in this case.
- Q Well, you still haven't determined whether it's a gas reservoir or an oil reservoir?
 - A No, sir, I haven't.
- Ω Do you think that continued production will give you anymore information along this line?
 - A Yes, sir, it will.
- Q What recommendations do you have with regard to the establishment of gas-oil ratio limit?
- A I would recommend that the GOR limitation in the Lighteap Pennsylvanian Pool be increased to thirty thousand cubic feet per barrel. This is more or less what

is currently --- gas-oil ratio of the well is currently producing at and perhaps a little bit higher than that.

Q You previously stated that this is the only Penn well in this pool. Does Mobil contemplate additional development in the Poppsylvanian?

A No, sir, we do not.

On In your opinion, Mr. Krouz, will the granting of this application be in the best interest of conservation of natural resources?

A Yes, sir, it will.

O Were Exhibits 1 through 6 prepared by you or under your supervision?

A Yes, sir. One through six were prepared by me or under my supervision.

O And you have identified Exhibit 7 as a report on the test conducted by Core Laboratories?

A Yes, sir.

MR. SPERLING: I offer Exhibits 1 through 7.
Mr. Examiner.

MR. NUTTER: Applicant's Exhibits lithrough 7 will be admitted in evidence.

MR. SPERLING: That's all we have.

CROSS EXAMINATION

BY MR. NUTTER:

- O Mr. Krouz, now that reservoir pressure that Core Lab refers to in this letter of 2957, that was the original bottom hole pressure when this well was completed in the pool, is that right?
 - A That is correct, sir.
- 9 So, at the time you completed the well you were already down below the retrograde condensation point and the liquids had been formed in the reservoir, then?
 - A Yes, sir.
- Q Now, what type of liquids do we have here? I note that their analysis gives the gravity as being 51.9. What do we have here, black oil or is it light condensate type of material or just what?
- A I don't know, sir. I haven't seen a sample of the liquid. I can obtain this for you and submit it to you later.
- O I would appreciate knowing some of the characteristics of it including the color and such as that?
 - A Yes, sir.
- O It would appear that there is a very good possibility that this might be a gas reservoir. Would

Mobil have any objection to the Commission at a nomenclature bearing considering the reclassification of this Pennsylvanian oil reservoir as a gas reservoir?

No, sir.

MR. SPERLING: Mr. Examiner, in fact, Mobile considered making application to have this pool reclassified to a gas reservoir. However, here, we had the Lightcap Devonian Pool underlying the Lightcap Penn and it would be easier for us to operate both reservoirs as an oil reservoir or both reservoirs as a gas reservoir.

Q (By Mr. Nutter) You are selling approximately a million feet of gas a day from this well?

A Yes, sir.

Q You do have the acreage that would be required to dedicate a standard unit to a gas well in the event it should be reclassified?

A Yes, sir.

MR. PORTER: Is the royalty the same?

THE WITNESS: Yes, sir.

MR. PORTER: If you had the 320 as it is under the 80 or whatever was available ---

THE WITNESS: Yes, sir.

MR. NUTTER: You have the whole section on that lease?

THE WITNESS: Yes, sir. I might add we wouldn't get a better price for our gas. We would have to rewrite the contract because the contract just refers to casing head gas; but, I have checked with our gas contract people and we would not obtain a better price for this gas being gas well as opposed to casing head gas. This is the only outlet that is available in the area.

MR. NUTTER: Are there any further questions of Mr. Kreuz? He may be excused.

(Witness excused.)

MR. NUTTER: Do you have anything futher, Mr. Sperling?

MR. SPERLING: No, sir.

MR. NUTTER: Does anyone have anything they wish to offer in Case 4211? We will take the case under advisement and call Case 3857.

$\overline{\mathbf{I}}$ $\overline{\mathbf{N}}$ $\overline{\mathbf{D}}$ $\overline{\mathbf{E}}$ $\overline{\mathbf{X}}$

WITNESS	PAGE
R. KREUZ	
Direct Examination by Mr. Sperling	2
Cross Examination by Mr. Nutter	9

EXHIBITS

Applicant's Exhibits 1 through 7

2

STATE OF NEW MEXICO)

SECOUNTY OF BERNALILLO)

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

Glenta burks
Notary Public

My Commission Expires:

March 12, 1973

the Examiner bearing of Case No. 12

the Examiner bearing of Case No. 12

the Examiner bearing of Case No. 12

the Mexico Oil Conservation Consission

The Mexico Oil Conservation Consission

The Mexico Oil Conservation Consission in



OIL CONSERVATION COMMISSION

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

LAND COMMISSIONER ALEX J. ARMIJO MEMBER

STATE GEOLOGIST A. L. PORTER, JR. SEGRETARY - DIRECTOR

October 15, 1969

Re:	Case No4211
Mr. James Sperling	Order No. R-3851
Modrall, Seymour, Sperling, Roehl & Harris	Applicant:
Attorneys at Law	Mobil Oil Corporation
Public Service Building - Box 2168 Albuquerque, New Mexico	
Dear Sir:	

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

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

ALP/ir		
Copy of order also sent to:		
Hobbs OCC x	Y	
Artesia OCC x		
Aztec OCC		
Other		

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. 4211 Order No. R-3851 NOMENCLATURE

APPLICATION OF MOBIL OIL CORPORATION FOR A SPECIAL GAS-OIL RATIO LIMITATION, CHAVES COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on September 10, 1969, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 14th day of October, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Mobil Oil Corporation, seeks an exception to Rule 506 of the Commission Rules and Regulations to provide for a limiting gas-oil ratio in excess of the existing ratio of 2000 cubic feet of gas per barrel of oil in the Lightcap-Pennsylvanian Pool, Chaves County, New Mexico.
- (3) That while the Lightcap-Pennsylvanian Pool is presently classified as an oil pool, the reservoir characteristics of the subject pool presently available indicate that the pool is in fact a gas reservoir.
- (4) That the Lightcap-Pennsylvanian Pool should be reclassified as a gas pool and redesignated the Lightcap-Pennsylvanian Gas Pool.

-2-CASE No. 4211 Order No. R-3851

(5) That said Lightcap-Pennsylvanian Gas Pool should be governed by all Commission Rules and Regulations applicable to gas pools in Lea, Chaves, Eddy, and Roosevelt Counties of Pennsylvanian age or older.

IT IS THEREFORE ORDERED:

- (1) That the Lightcap-Pennsylvanian Pool is hereby reclassified as a gas pool for Pennsylvanian production and is hereby redesignated the Lightcap-Pennsylvanian Gas Pool.
- (2) That the horizontal limits of the Lightcap-Pennsylvanian Gas Pool are hereby established as follows:

CHAVES COUNTY, NEW MEXICO TOWNSHIP 8 SOUTH, RANGE 30 EAST, NMPM Section 7: E/2

- (3) That effective immediately, the Lightcap-Pennsylvanian Gas Pool, Chaves County, New Mexico, shall be governed by all Commission Rules and Regulations applicable to gas pools in Lea, Chaves, Eddy, and Roosevelt Counties of Pennsylvanian age or older including the provision for 320-acre spacing for such wells.
- (4) That the locations of all wells presently drilling to or completed in the Lightcap-Pennsylvanian Gas Pool or in the Pennsylvanian formation within one mile thereof are hereby approved; that the operator of any well having an unorthodox location shall notify the Hobbs District Office of the Commission in writing of the name and location of the well on or before November 1, 1969.
- (5) That, pursuant to Paragraph A. of Section 65-3-14.5, NMSA 1953, contained in Chapter 271, Laws of 1969, existing wells in the Lightcap-Pennsylvanian Gas Pool shall have dedicated thereto 320 acres in accordance with Rule 104 C of the Commission Rules and Regulations; or, pursuant to Paragraph C. of said Section 65-3-14.5, existing wells may have non-standard spacing or proration units established by the Commission and dedicated thereto.

Failure to file new Forms C-102 with the Commission dedicating 320 acres to a well or to obtain a non-standard unit approved by the Commission within 60 days from the date of this order shall subject the well to cancellation of allowable. Until

-3-CASE No. 4211 Order No. R-3851

said Form C-102 has been filed or until a non-standard unit has been approved, and subject to said 60-day limitation, each well presently drilling to or completed in the Lightcap-Pennsylvanian Gas Pool or in the Pennsylvanian formation within one mile thereof shall receive no more than a 40-acre allowable.

(6) 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

DAVID F. CARGO, Chairman

ALEX J ARMETO, Multiple

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

DOCKET: EXAMINER HEARING - WEDNESDAY - SEPTEMBER 10, 1969

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

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

CASE 4210: Application of Mobil Oil Corporation for a special gas-oil ratio limitation, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 506 of the Commission Rules and Regulations to provide for a limiting gas-oil ratio in excess of the existing ratio of 2000 cubic feet of gas per barrel of oil in the Lightcap (Devonian) Pool, Chaves County, New Mexico.

CASE 4211: Application of Mobil Oil Corporation for a special gas-oil ratio limitation, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 506 of the Commission Rules and Regulations to provide for a limiting gas-oil ratio in excess of the existing ratio of 2000 cubic feet of gas per barrel of oil in the Lightcap-Pennsylvanian Pool, Chaves County, New Mexico.

CASE 3857: (Reopened)

In the matter of Case No. 3857 being reopened pursuant to the provisions of Order No. R-3504, which order established 160-acre spacing units and 80-acre proportional factors of 4.77 for the Tulk-Pennsylvanian Pool, Lea County, New Mexico, for a period of one year. All interested parties may appear and show cause why said pool should not be developed on less than 160-acre spacing units and why the 80-acre proportional factor of 4.77 should or should not be retained.

- CASE 4212: Application of General American Oil Company of Texas for an unorthodox oil well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill its Maddren "B" Well No. 12, a producing oil well, at an unorthodox location 1295 feet from the West line and 1815 feet from the South line of Section 27, Township 17 South, Range 30 East, as an infill well in its Grayburg Jackson Premier Unit Waterflood Project area, Grayburg-Jackson Pool, Eddy County, New Mexico.
- CASE 4213: Application of Texo Oil Company for pool medelineation, creation of a new gas pool, an unorthodox gas well location, and non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the redelineation of the vertical limits of the South Corbin-Queen Pool to permit the

Docket No. 25-69

Examiner Hearing - September 10, 1969

(Case 4213 continued)

creation of a new basal Penrose gas pool for its Buffalo unit Well No. 11 located at an unorthodox gas well location 2310 feet from the South line and 330 feet from the West line of Section 35, Township 18 South, Range 33 East, Lea County, New Mexico. Applicant further seeks approval of an 80-acre non-standard gas proration unit comprising the N/2 SW/4 of said Section 35, to be dedicated to the above-described well.

- CASE 4214: Application of Amerada Hess Corporation for approval of an unorthodox injection well location and the amendment of Order No. R-2197, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of an unorthodox water injection well location for its Langlie-Mattix Woolworth Unit Well No. 710 at a point 1950 feet from the North line and 50 feet from the East line of Section 27, Township 24 South, Range 37 East, Langlie-Mattix Pool, Lea County, New Mexico. Applicant also seeks further amendment of Order No. R-2197 to provide for an administrative procedure whereby additional injection wells might be approved at locations no closer than 50 feet to the outer boundary of the unit area.
- CASE 4215: Application of Standard Oil Company of Texas to directionally drill, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to directionally drill its Smith Federal Well No. 1, a wildcat located 1650 feet from the South and East lines of Section 34, Township 20 South, Range 24 East, Eddy County, New Mexico. Said well was drilled to a total depth of 7845 feet. Applicant proposes to plug the well back to approximately 5500 feet, set a whipstock at said depth and directionally drill to a depth of approximately 7800 feet to bottom said well in the Cisco formation at a point approximately 200 feet East of the present bottom hole location.
- CASE 4216: Application of Tamarack Petroleum Company, Inc. for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of the Northeast Pearl-Queen Unit Area comprising 920 acres, more or less, of State and fee lands in Sections 15, 22, 23, and 24, Township 19 South, Range 35 East, Pearl-Queen Pool, Lea County, New Mexico.

- CASE 4217: Application of Tamarack Petroleum Company, Inc. for a water-flood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a water-flood project in its Northeast Pearl-Queen Unit Area by the injection of water into the Queen formation through eight wells located in Sections 15, 22, 23, and 24, Township 19 South, Range 35 East, Pearl-Queen Pool, Lea County, New Mexico.
- CASE 4181: (Continued from the August 6, 1969, Examiner Hearing)

Application of J. M. Huber Corporation for a dual completion and salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete it Stoltz Federal Well No. 1 located in Unit J of Section 12, Township 15 South, Range 34 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Morton-Wolfcamp Pool and the disposal of produced salt water through the 8 5/8 X 4 1/2-inch casing-casing annulus into the San Andres, Tubb, Abo, and possibly other formations in the open-hole interval from approximately 4330 feet to 9750 feet.

Mobil Oil Corporation

September 11, 196%

New Mexico 011 Conservation Commission P. O. Box 2088
Santa Fe, New Mexico 87501

Att: Mr. Daniel S. Nutter

APPLICATION OF MOBIL OIL CORPORATION FOR A SPECIAL GAS-OIL RATIO LIMITATION LIGHTCAP DEVONIAN AND PENNSYLVANIAN POOLS, CHAVES COUNTY, NEW MEXICO CASE NOS. 4010 & 4211

Dear Mr. Nutter:

The color of the liquid hydrocarbons from both of the subject pools is light straw. This information is submitted in answer to the question posed by you during the subject cases.

Very truly yours,

C. R. Kreuz

Senior Production Engineer

CRK/bje

LEONARD QUEEN SOUTH CONTINUED		
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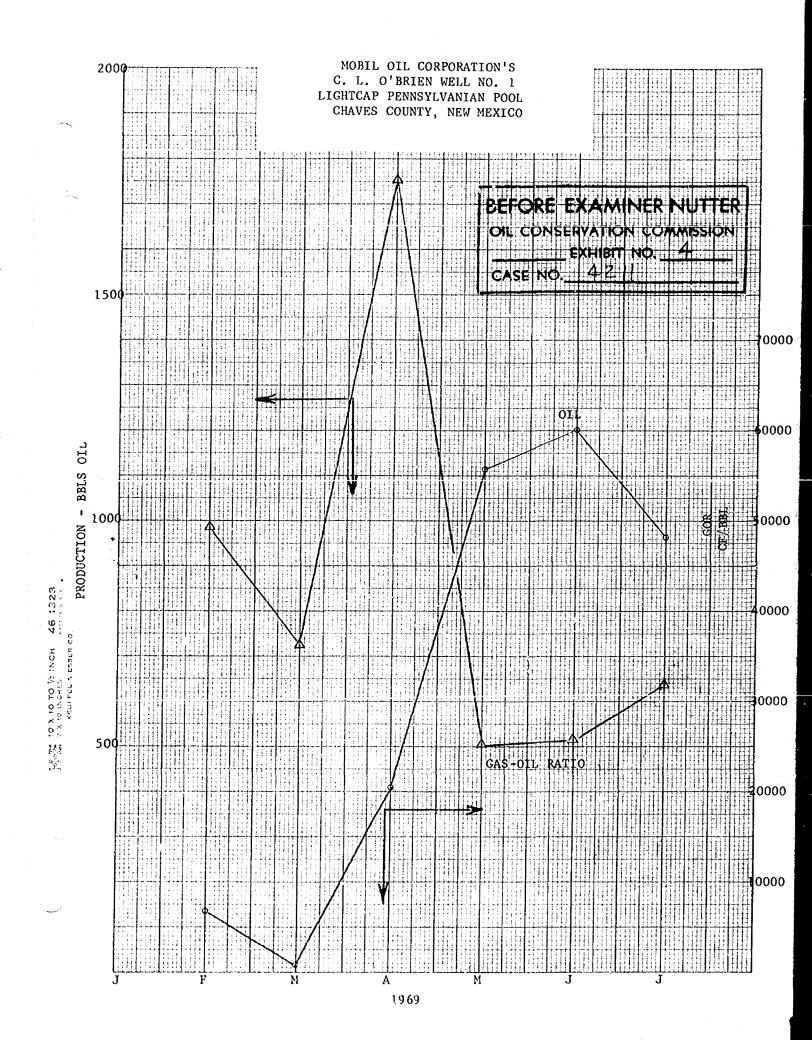
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	d.(1) 5 I	1.4-26-37). :	**60500	TOTAL	L .5		29	
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TOTAL	. 3		35			LOUINGTON	LDO		
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TEXÁS PA	ACIFIC OIL	co.				HESS CORP		11 29	
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11 11	14 J	:1	4			OIL & REF		٠,	-4.
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	LIGHTCAP DI			^	TOTAL			247	
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O Bilent	40/ 1 N	7-7-30	32			$(36) \ \ 3 \ \ ^{1}$,32~10~37 	36	396
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	LIGHTCAP PE	enn	0.4			(33) 4 11		<i>-</i>	,,,,
	wable 145		2,000)	TOTA	i. 5		220	
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C.L.O'Bri	ien(84)1A 7	7-8-30	16	*18000	State E-	18(139)150		130	374
					11	(95) 16 D	III .	80	242
	ITTLE LUCK					(136)17 F		130	301
	inble 352	GOR Limit	2,000)		(27) 18 A		27	630
TEXACO IN			20			(90) 19 E		85	367
-	i. (132)1G			**4300		(42) 20 H	21736	42	1167
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	(185) 3 K Tahan Foger		152	940	((17) 22 G	• •] 7	630
			51	TSTM	TOTAL	8		531	
'	2+F 1 W	20 - A W	., (LULI	1177.247	C)		JJL	

COMPANY LEASE	WELL	SEPTEMBER DAILY GOR.	COMPANY LEASE	WELL UNIT S.T.R.	SEPTEMBER DAWY GOR.
LE	ONARD SEVEN RIVER le 62 GOR L	<u> </u>	\$OH!O FET	ROLETTY CO. COVERD an Andres Unit	and the second s
TENNECO OIL			Tr. 4	(13) C 16-21- actor 1,125	38 8
(2) 2 N "	2 \$#3000	Tr. 2	2 P 8-21-3 3 K 9-21-3	8 Input 8 "
POOL 707A LE	L 2 ONARO QUEEN SOUTH	5 I		actor 1.125	
	le 62 GOR Li		TOTAL		29
) 5 1 14-26-37	7 1 x±60500	P00L (10)		42
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TOTAL TEXAS PACIF		35		OVINGTON ABO She 186 GOR	Limit 2,000
Project. A South Leonar	llowable (10 x 62 rd Unit	≈ 620) .	AMERADA HE		V
	13 K 24-26-37	2 8	(<u>)</u>	84) 9 B " (95) 11 G "	184 655 95 603
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ii ii	14 J '' 15 M ''	<i>i</i> ₄ 3	TOTAL ASHLAND OL	4 L & REFINING CO.	444
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Tr. 3	6 H "	T.A. Input	TOTAL	2	76
11 Tr. 4	12 L 24-26-37		ATLANTIC R	ICHFIELD CO. 14) 4 K 31-16-3	7
TOTAL	6	28		VICE OIL CO.	<i>y</i>
POOL TOTAL		64	State AE(1	05) 1 M 36-16-3 42) 27 L "	6 105 86 142 366
	HICAP DEVONIAN	lmlt 2,000	TOTAL	2	247
MOBIL OIL CO L'Cap. (32	RP.	32 **6750	GETTY OIL (co.	·
	1 A 7-9-30	32 *9000	£1 {1	20) 3 J 11 30) 2 D 32-16-3	100 558
POOL TOTAL	2 HTCAP PENN	64	ं म ()	36) 3 M !! 33) 4 N !!	36 806 33 939
Top Allowabl	e 145 COR L	mit 2,000	TOTAL	- 5	220
	84) 1 A 7-8-30	16 *18000	PAH AMERICA	AN PETROLEUM CORF (139)15 C 1-17-36	•
Top Allowable	TLE LUCKY LAKE DE	VONIAN mit 2,000	(95) 16 D '' 36) 17 F ''	80 242 130 301
TEXACO INC.	32) G 29~15+30	- 	11 (2	27) 18 A 2-17-36 90) 19 E 1-17-36	27 630
" (15)) 20 ") 3 K "	15 TSTM 352 940	· · · (1	42) 20 H 2-17-36 20) 21 B "	42 1167 20 **2000
V.G.Kinahan ((51)	Federal	51 TSTM		17) 22 G "	17 630
POOL TOTAL	4	550	TOTAL SKELLY OIL	8	531
	TMAN SAN ANDRES		Caylor (5	(8) 3 8 6-17-37 (1) 4 6 "	58 397 10 1091
ATLANTIC RICE	HFIELD CO.	L Title C	, .	18) 9 M 31-16-37	
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SOHIO PETROLE Littman San A	Indres Unit	r	- H (9) 14 1 11	9 1444
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Acreage facto		5	(13	4) 6 k "	134 485
'' (8)	2 M ''	(73)	State S (11 TOTAL	6) 2 P 35~16~36 12	116 466 670
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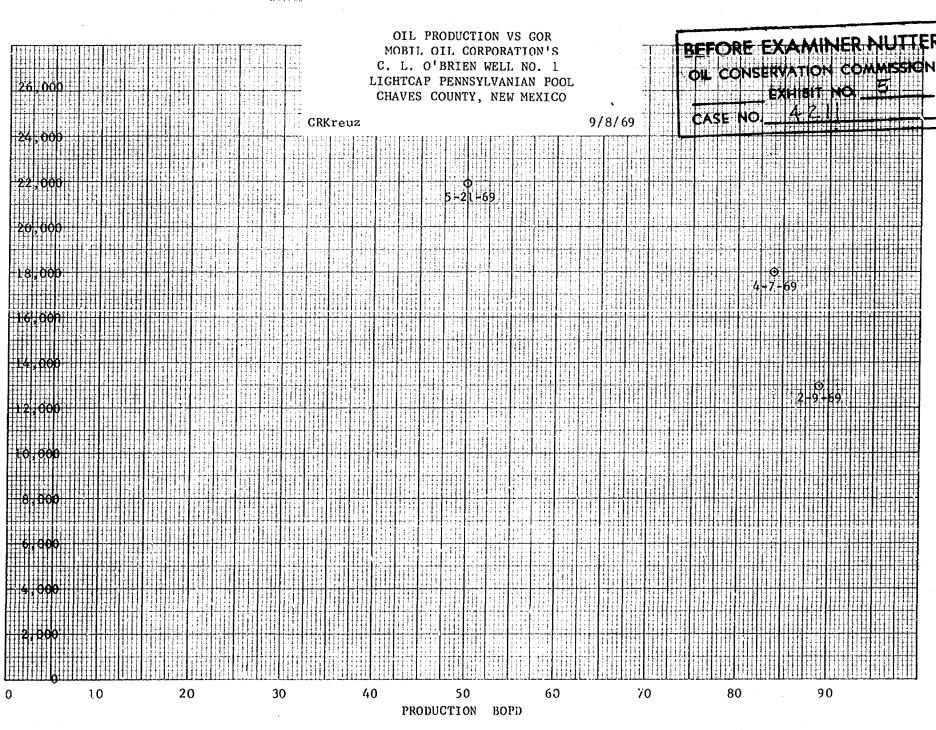
PRODUCTION SUMMARY LIGHTCAP PENNSYLVANIAN POOL

		C. L. O	Brien Wel	1 No. 1
		Oil	Gas	GOR
Month	Year	Bbls	Mcf	cf/Bbl
_				
Jan.	1969	-		
Feb.		989	6,708	6,855
March		723	695	961
April		1,754	35,176	20,055
May		506	28,276	55,881
June		515	30,979	60,153
July		639	30,687	48,023

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. _____
CASE NO. _____ 42||



10 X 10 10 10 17 INCH 46 1323





CITIES SERVICE OIL COMPANY

Oil Center Building Box 309, Tulsa, Oklahoma 74102 Telephone: 918 LU 2-1531 August 1, 1969

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

Gentlemen:

This letter will verify that Cities Service Oil Company is purchasing casinghead gas from the Lightcap Land Company and C. L. O'Brien Leases producing from the Lightcap (Devonian and/or Pennsylvanian) Field, Chaves County, New Mexico, under a Casinghead Gas Contract dated June 4, 1968.

The gas from these leases is processed in the Bluitt Gas Processing Plant and Cities Service shall continue to take all the available gas as long as it is economical to do so.

It is understood that the above information will support your application to the New Mexico Conservation Commission for an exemption to the 2000-1 rule.

Very truly yours,

NATURAL GAS LIQUIDS GROUP

Donald A. Board

DAB:1b

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
EXHIBIT NO. 6
CASE NO. 4211
0/102 1101

Petroleum Reservoir Engineering
DALLAS. TEXAS 75207
June 17, 1969

REVERVOIR FLUID ANALYSIS

Mobil Oil Corporation
P. O. Box 1800
Hobbs, New Mexico 88240

Attention: Mr. J. C. Gordon, Jr.

Subject: Phase Determination
C. L. O'Brien No. 1 Well
Lightcap Field
Chaves County, New Mexico
Our File Number: RFL 5798

Gentlemen:

Samples of primary separator liquid and vapor collected at 35 psig and 86°F. were submitted to our Dallas laboratory for use in a reservoir phase determination. Presented in this report are the results of this phase determination, along with the hydrocarbon analyses of the separator products.

The producing gas-liquid ratio was calculated to be 21,946 cubic feet of gas at 14.696 psia and 60° F. per barrel of stock tank liquid at 60° F. In our laboratory this ratio was found to be equivalent to 21,793 standard cubic feet of separator gas per barrel of separator liquid at 35 psig and 60° F. The separator products were then physically recombined to this producing gas-liquid ratio and the resultant mixture examined in a visual cell at the reservoir temperature of 141° F. During a constant composition expansion at this temperature a retrograde dew point was observed at 5443 psig. At the reservoir pressure of 2957 psig, the volume of retrograde liquid condensation was measured to be 4.7 percent of the total hydrocarbon pore space. This information was reported by telephone to Mobil Oil Corporation and we were subsequently requested to terminate this study.

OIL CONSERVATION COMMISSION EXHIBIT NO. 7	BEFORE	EXAMINER NUTTER
EXHIBIT NO	OIL CONS	ERVATION COMMISSION
		EXHIBIT NO. 7
CASE NO. 4211	CASE NO	4211

Mobil Oil Corporation
C. L. O'Brien No. 1 Well

Page Two

It has been our pleasure to make these measurements for Mobil Oil Corporation. Should you have any questions or if we may assist you further, please do not hesitate to contact us.

Very truly yours,

Core Laboratories, Inc. Reservoir Fluid Analysis

P. L. Moses Hs

P. L. Moses Manager

PLM:HS:dr 7 cc. - Addressee

Petroleum Reservoir Engineering DALLAS, TEXAS

				Pa	ge <u>l</u>	of3
		,		File	eRF	L 5798
Company_	Mobil Oil Corporation	Date San	npled_	May	21, 196	1969
Well	C. L. O'Brien No. 1	County_		Chave	es	
Field	Lightcap	State		New :	Mexico	
	FORMAT	ION CHARACTERIS	STICS			
Formation				ugh C		
	Well Completed		Jai	nuary 2	6	, 196
	eservoir Pressure				_PSIG (@F
_	oduced Gas-Liquid Ratio		144	182		SCF/B
Prod	luction Rate					Bbls/Da
Sepa	rator Pressure and Temperature	e				· •]
Liqu	id Gravity at 60° F.		51.			° AI
Datum						Ft. Subse
Dlaustian	WELL	CHARACTERISTIC		SA GT.		F
Elevation Total Depti	h		811			
Producing 1			•	0-7168		F
_	e and Depth					7074 F
Open Flow						MMSCF/Da
_	voir Pressure		295	57	PSIG 6	<u>7149</u> F
Date			Fel			19 69
	rvoir Temperature		140			7049 F
	us of Well		Shu	t in		
Press	sure Gauge		Am	erada		
	SAMP	LING CONDITIONS				
Flowing Tu	bing Pressure (16/64-inch cl	hoke)	150	0		PSI
Flowing Bo	ttom Hole Pressure				· · · · · · · · · · · · · · · · · · ·	PSI
Primary Se	parator Pressure					
Primary Se	parator Temperature		86_			
	Separate Pressure					PSI
-	Separator Temperature					° F
	Fank Liquid Gravity					API @ 60° F
	parator Gas Production Rate	14 (0/ 55)	109	7.3		MSCF/Day
	sure Base	14.696 PSIA				
_	perature Base	° F.				
	pressibility Factor (F _{pv})	1.004				
	Gravity (Laboratory)	0.771				
	Gravity Factor (Fg)		5 0			mu.
	k_Liquid Production Rate @ 60		50	16		Bbls/Day
rimary Ser	parator Gas/ <u>Stock Tank</u> Liqu		219 45.		· ·	SCF/Bb
ore Labora	atories, Inc., Engineer	or			Inc	Bbls/MMSCE
REMARKS:			لمتكلف	1711111 A		
CANADIUM:	•					

Petroleum Reservoir Engineering DALLAS, TEXAS

Page 2 of 3 **RFL 5798** File_ Company Mobil Oil Corporation Bough C _____ Formation C. L. O'Brien No. 1 Chaves Well County_ Lightcap New Mexico Field. State_ HYDROCARBON ANALYSIS OF... Separator GAS SAMPLE COMPONENT MOL PER CENT Hydrogen Sulfide 0.13 Carbon Dioxide 5.92 Nitrogen 74.96 Methane 8.92 Ethane 2.247 4.83 1.326 Propane 0.85 iso-Butane 0.277 n-Butane 1.70 0.534 iso-Pentane 0.63 0,230 n-Pentane 0.61 0.220 0.53 0.216 Hexanes 0.92 0.417 Heptanes plus 100.00 5.467

Calculated gas gravity (air = 1.000) = 0.771

Calculated gross heating value = 1246 BTU per cubic foot of dry gas at 14.696 psia at 60° F.

Collected at 35 psig and 86 °F.

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitableness of any oil, gas or other mineral well or sand in connection with which such report is used or relied upon.

Petroleum Reservoir Engineering
DALLAS. TEXAS

			P	age3 c	of3
				ile RFL	
			F	ile KEL	3170
Company Mobil O	il Corporation	,	Formation Bough	С	
				•	
Well C. L. C	Brien No. 1		County Chave	<u>s</u>	
Field Lightca	<u> </u>		State New N	<u> lexico</u>	
HÝĐR	OCARRON AN	JAI VSIS OF	Separator Liquid	SAMPI	ਸ
IIIDIN	JUNE DE LA CONTROL DE LA CONTR	AREIGIO OIL		U/MAL L	<i></i>
COMPONENT	MOL PER CENT	WEIGHT PER CENT	DENSITY @ 60° F. Grams per cubic Centimeter	* API @ 60* F.	MOLECULAR WEIGHT
Hydrogen Sulfide					
Carbon Dioxide	Trace	Trace			
Nitrogen				•	
Methane	1.02	0.12			
Ethane,	0.78	0.18			
Propane	1.48	0.49			
iso-Butane	0.67	0 .29			
n-Butane	1.91	0.84		•1	
iso-Pentane	1.71	0.93	•		
n-Pentane	2.13	1.16			
Hexanes	6.03	3.90			
Heptanes plus	84.27	92.09	0.7959	46.1	145
•	$\overline{100.00}$	100.00	\$		

Core Laboratories, Inc. Reservoir Fluid Analysis

P. L. Moses 45

P. L. Moses Manager

These analyses, opinions or interpretations are based on observations and material supplied by the client to whom, and for whose exclusive and confidential use, this report is made. The interpretations or opinions expressed represent the best judgment of Core Laboratories, Inc. (all errors and omissions excepted); but Core Laboratories, Inc. and its officers and employees, assume no responsibility and make no warranty or representations as to the productivity, proper operation, or profitableness of any cil, gas or other mineral well or sand in connection with which such report is used or relied upon.

Mobil Oil Corporation

P.O. BOX 633 MIDLAND, TEXAS 79701

October 21, 1969

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501 Case 4211

ORDER NO. R-3851 LIGHTCAP-PENNSYLVANIAN POOL CHAVES COUNTY, NEW MEXICO

Gentlemen:

In compliance with Order No. R-3851, reclassifying the Lightcap-Pennsylvanian Pool from oil to gas, Mobil is submitting Form C-102, dedicating the E/2 of Sec. 7 (320 acres), T-8-S, R-30-E, Chaves County, New Mexico to the C. L. O'Brien Well #1. This well is located 660 ft from the north and east lines of said Section 7 in Unit A.

With a copy of this letter, the Commission's District Office in Hobbs is being advised of the location of C. L. O'Brien Well #1 and also advised that it does have an unorthodox location.

Very truly yours,

Ira B. Stitt

Division Operations Engineer

ADBond/bje Attachment

cc: NMOCC - Hobbs (w/attach.)

OCT 23 1969

NEW MEXICO OIL CONSERVATION COMMISSION WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102 Supersedes C-128 Effective 1-1-65

Nobil Oil Corporation 1 1 1 1 1 1 1 1 1		-	All distances must be	from the onter bot	minutes of the Sect	ien.	
that better The color The				1	inguitaring and a second particular second s		1 -
A			Township				
Actor Nectories described wells 660 test from the North top end 660 feet from the Past top the Committed President (Secretary Pennsylvanian Pentsylvanian Lightcap 320 Acres 10 Acres	1	7	•	I '			
Post Products Foreign Foreign Post	I	ef Well:				Tiav Co	
1. Outline the acreage dedicated to the subject well by colored pencil or hackure marks on the plat below. 2. If more than one lease is dedicated to the well, outline such and identify the ownership thereof (both as to working interest and royelty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? Yes	660 fe	et from the	North line and	660	feet from the	East	line
1. Outline the aercage dedicated to the subject well by colored pencil or hackure marks on the plat below. 2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? Yes No If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Comminstion. CERTIFICATION I hereby certify that the Information contained the interest is true and complete to the best of my two-dedge and telled. A. D. Bond Postton A. D. Bo	Ground Level Elev:	1		Peol			
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? Yes No If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, untilization, forced-pooling, or otherwise) or until a non-standard unit, climinating such interests, has been approved by the Commission. CERTIFICATION I hereby certify that the information contained herein is two and complete to the best of my knowledge ond belief. Name A. D. Bond Position October 21, 1969 I hereby certify that the well lecotion shown on this plat was plotted from field motes of actual surveys made by me or under my supervision, and that the same is two and connect to the best of my knowledge and belief. Date Surveyed Regulatered Proteonional Empireer and/or Land Surveyer Regulatered Proteonional Empireer and/or Land Surveyer	***	Penns	ylvanian	Lis	ghteap		320 Acres
interest and royalty). 3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc? Yes No If answer is "yes," type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form of necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. **CERTIFICATION** I hereby certify that the information contained herein is two and complete to his best of my knowledge and bellet. **Name* A. D. Bond Position Provation Staff Assistant Company Mobil Oil Corporation Date October 21, 1969 I hereby certify that the well location shown on this plet was platted from fleid nates of actual surveys mede by me or under my supervision, and that the same is two ond concel to the best of my knowledge and bellet. Date Surveyed Required Professional Engineer and/or Land Surveyer **THERMINISTERSHIPSTE	1. Outline the a	creage dedicat	ted to the subject w	ell by colored	pencil or hachu	re marks on t	ie plat below.
dated by communitization, unitization, force-pooling, etc? Tes No If answer is "yes;" type of consolidation If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.). No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION 1 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Position Prosition Prosition Position October 21, 1969 1 hereby certify that the well fecution shown on this play was platted 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 Inequisitesed Professional Engineer ond/or Land Surveyer			dedicated to the we	ll, outline each	and identify th	e ownership t	hereof (both as to working
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission. CERTIFICATION 1 hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Name A. D. Bond Protation Staff Assistant Conspirely Mobil Oil Corporation Date October 21, 1969 1 hereby certify that the well fection shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same its row and cornect to the best of my knowledge and belief. Date Surveyed Hegistered Professional Engineer and/or Land Surveyer	dated by comn	nunitization, u	nitization, force-pool	ing. etc?		e interests of	all owners been consoli-
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J. R. MODRALL JAMES E SPERLING JOSEPH E ROEHL GEORGE T HARRIS, JR. DANIEL A. SISK LELAND S. SEDBERRY, JR. ALLEN C. DEWEY, JR. FRANK H. ALLEN, JR. JAMES & SAUNDERS, JR JAMES A. PARKER

JOHN R. COONEY.
KENNETH L.HARRIGAN PETER J. ADANG DALE W. EK
PETER J. BROULLIRE, III CAMERON R. GRAHAM

LAW OFFICES OF

二 MODRALL, SEYMOUR, SPERLING, ROEHL & HARRIS PUBLIC SERVICE BUILDING

P. O. BOX 2168

ALBUQUERQUE, NEW MEXICO 87103

August 13, 1969

JOHN F. SIMMS (1885-1954) AU(,USTOS 7, SEFMOUR (1907-1965)

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AREA CODE 505

Case 4211

Mr. A. L. Porter, Jr. Secretary Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

Application of Mobil Oil Corporation to Increase the GOR Limitation in the Lightcap Devonian and Lightcap Pennsylvanian Pools, Chaves County, New Mexico

Dear Mr. Porter:

Enclosed herewith, please find above-referenced application, which we would appreciate your filing and docketing for Examiner's Hearing as soon as possible.

Very truly yours,

James E. Speri

JES:jv

Enclosures (3)

cc: Mr. Ira B. Stitt, w/encl. Mobil Oil Corporation

DOCKET MAILED

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF MOBIL OIL CORPORATION TO INCREASE THE GOR LIMITATION IN THE LIGHTCAP DEVONIAN AND LIGHTCAP PENNSYLVANIAN POOLS, CHAVES COUNTY, NEW MEXICO

Case No. 42/

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APPLICATION

Applicant, Mobil Oil Corporation, whose address is Post Office Box 633, Midland, Texas, respectfully requests that the gas-oil ratio limit of 2000 to 1 be increased as this Commission may determine above the generally applicable 2000 to 1 limit in the Lightcap Devonian and Lightcap Pennsylvanian Pools, Chaves County, New Mexico, and in support of its request states:

- 1. Applicant is the only operator in these pools having completed one well in the Lightcap Pennsylvanian Pool and two wells in the Lightcap Devonian Pool.
- 2. The granting of this application will be in the interest of prevention of waste, physical and economical, and will not impair correlative rights.

WHEREFORE, applicant requests that this matter be set for hearing as provided by law and that the Commission issue its order increasing the gas-oil ratio limit in the abovementioned pools.

> Respectfully submitted, MOBIL OIL CORPORATION

BY: MODRALL, SEYMOUR, SPERLING, ROEHL & HARRIS

James E. Sperling, its attorneys 800 Public Service Building

P. O. Box 2168

Albuquerque, New Mexico 87103

GMH/esr

43

BEF RE 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:

RECORDS CENTER

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CASE No. 4211

Order No. R- 385/

APPLICATION OF MOBIL OIL CORPORATION FOR A SPECIAL GAS-OIL RATIO LIMITATION, CHAVES COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on September 10, 196 9, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter

NOW, on this <u>day of October</u>, 1969, the Commission, a quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Mobil Oil Corporation, seeks an exception to Rule 506 of the Commission Rules and Regulations to provide for a limiting gas-oil ratio in excess of the existing ratio of 2000 cubic feet of gas per barrel of oil in the Lightcap-Pennsylvanian Pool, Chaves County, New Mexico.
- (3) That while the Lightcap-Pennsylvanian Pool is presently classified as an oil pool, the reservoir characteristics of the subject pool presently available indicate that the pool is in fact a gas reservoir.
- (4) That the Lightcap-Pennsylvanian Pool should be reclassified as a gas pool and redesignated the Lightcap-Pennsylvanian

 Gas Pool.

(5) That said Lightcap-Pennsylvanian Gas Pool should be governed by all Commission Rules and Regulations applicable to gas pools in Lea, Chaves, Eddy, and Roosevelt Counties of Pennsylvanian age or older.

IT IS_THEREFORE ORDERED:

- (1) That the Lightcap-Pennsylvanian Pool is hereby reclassified as a gas pool for Pennsylvanian production and is hereby redesignated the Lightcap-Pennsylvanian Gas Pool.
- (2) That the horizontal limits of the Lightcap-Pennsylvanian Gas Pool are hereby established as follows:

LIGHTCAP-PENNSYLVANIAN GAS POOL
CHAVES COUNTY, NEW MEXICO
TOWNSHIP 8 SOUTH, RANGE 30 EAST, NMPM
Section 7: E/2

- (3) That effective immediately, the Lightcap-Pennsylvanian Cas Pool, Chaves County, New Mexico, shall be governed by all Commission Rules and Regulations applicable to gas pools in Lea, Chaves, Eddy, and Roosevelt Counties of Pennsylvanian age or older including the provision for 320-acre spacing for such wells.
- (4) That the locations of all wells presently drilling to or completed in the Lightcap-Pennsylvanian Gas Pool or in the Pennsylvanian formation within one mile thereof are hereby approved; that the operator of any well having an unorthodox location shall notify the Hobbs District Office of the Commission in writing of the name and location of the well on or before

 Manual 1969.
- (5) That, pursuant to Paragraph A. of Section 65-3-14.5,

 NMSA 1953, contained in Chapter 271, Laws of 1969, existing wells

 in the Lightcap-Pennsylvanian Gas Pool shall have dedicated thereto

 320 acres in accordance with Rule 104 C of the Commission Rules

 and Regulations; or, pursuant to Paragraph C. of said Section

65-3-14.5, existing wells may have non-standard spacing or proration units established by the Commission and dedicated thereto.

Failure to file new Forms C-102 with the Commission dedicating 320 acres to a well or to obtain a non-standard unit approved by the Commission within 60 days from the date of this order shall subject the well to cancellation of allowable. Until said Form C-102 has been filed or until a non-standard unit has been approved, and subject to said 60-day limitation, each well presently drilling to or completed in the Lightcap-Pennsylvanian Gas Pool or in the Pennsylvanian formation within one mile thereof shall receive no more than a 40-acre allowable.

(6) 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.

CASE 4212: Appli. of GENERAL AMERICAN FOR UNORTHODOX OIL WELL LOCATION, EDDY COUNTY, N.M.