CASE 3852: Application of MOBIL OIL CORPURATION FOR A TRIPLE COMPLETION, LEA COUNTY, N. MEX.

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-ase Number Application Transcripts. Small Exhibits -

GOVERNOR DAVID F. CARGO CHAIRMAN

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	State of New	Alexico
B il	Conservation	Commission



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

SANTA FE

September 12, 1968

Mr. James E. Sperling Modrall, Seymour, Sperling, Roehl & Harris Attorneys at Law Public Service Building Albuquerque, New Mexico

Re:	Case No	3852	
	Order No.	R-3497	
	Applicant		

Mobil Oil Corporation

Dear Sir:

LAND COMMISSIONER GUYTON B. HAYS MEMBER

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

Very truly yours,

Genter,

A. L. PORTER, Jr. Secretary-Director

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ALP/ir

Carbon copy of drder also sent to:

Hobbs OCC X Artesia OCC

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. 3852 Order No. R-3497

APPLICATION OF MOBIL OIL CORPORATION FOR A TRIPLE COMPLETION, LEA COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on September 4, 1968, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this <u>12th</u> day of September, 1968, 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 authority to complete its Bridges State Well No. 126, located in Unit J of Section 11, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico, as a triple completion (conventional) to produce oil from the North Vacuum-Abo, Vacuum-Middle Pennsylvanian, and North Vacuum-Morrow Pools through parallel strings of 2 3/8-inch tubing, with separation of zones by packers set at approximately 10,500 feet and 11,790 feet.

(3) That the mechanics of the proposed triple 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. 3852 Order No. R-3497

IT IS THEREFORE ORDERED:

(1) That the applicant, Mobil Oil Corporation, is hereby authorized to complete its Bridges State Well No. 126, located in Unit J of Section 11, Township 17 South, Range 34 East, NMPM, Lea County, New Mexico, as a triple completion (conventional) to produce oil from the North Vacuum-Abo, Vacuum-Middle Pennsylvanian, and North Vacuum-Morrow Pools through parallel strings of 2 3/8inch tubing, with separation of zones by packers set at approximately 10,500 feet and 11,790 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;

PROVIDED FURTHER, that the applicant shall take packerleakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the North Vacuum-Morrow 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

DAVID CARGO Qha rman

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

esr/

Case 3852 Keard. 9-4-68 Rec. 9-6-68 Grant Mobil permedicion Difle complete Shier Bridger St. Will # 176: North ato Facuum Vacuum Heiddle Penn. North Vacuum Monow -Each zone will be produced then 2 75 " tubing. a tubing ce rebon all at 8653' (approx) + package set at. 10,500 + 11,720 approp. mill affectency reparate the 3

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

Form	C-107
5-1-6	1 .

Mobil Oil Corporation		Lea	Date 8	3-1-68
Address		030	Well No.	
Box 633, Midland, Texas 7 Location Unit Secti		Bridges State	Range	.6
of Well J	11	<u>1.7-s</u>		З4-е
1. Has the New Mexico Oil Conservation	an sum an 22 an an an an air a star an		f a well in t	
zones within one mile of the subject w		<u> X </u>		· · · ·
2. If answer is yes, identify one such ins	• • • • • • • • •	; Operator Lease; ar	nd Well No.:	I
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3. The following facts are submitted:	Upper	Intermédisor		•
	Upper Zone	Intermedian		Lower Zone
a. Name of Pool and Formation	Vacuum abo North	Vacuum Middle Per	nn Ly	acuum Morrow Nort
b. Top and Bottom of			<u>III</u>	dynun hixessa
Pay Section				•
(Perforations)	8557-8606	10549-10620		1855-11932
c. Type of production (Oil or Gas)	0i1	0i1		0i1
d. Method of Production				
(Flowing or Attificial Lift)	Flowing	. Flowing	<u> </u>	Flowing
4. The following are attached. (Please ch	neck YES or NO)			
Yes No				
a. Diagrammatic Sketch o	of the Multiple Completion, sho	owing all casing strings, inclu-	ding diamet	ers and setting depths, ce
diameters and setting of	rs and location thercof, quantit depth, location and type of pac	ries used and top or committee oversand side door chokes, and r	such other i	ervals, tubing strings, inc. oformation as may be pert
b. Plat showing the locat	tion of all wills on applicant's	s lease, all offset wells on of		
of operators of all leas	ses offsetting applicant's lease	e.	- 1.1×	
c. Waivers consenting to tors have been furnish	such multiple completion from	n each offset operator, or in lie	eu théreot, e	evidence that said ottset o
X d Electrical log of the w	vell or other acceptable log w	ith tops and bottoms of produc	-ine zones	and intervals of perforati
dicated thereon. (If sur	ch log is not available at the t	ime application is filed in shall	11 be submit	ted as provided by Rule 1
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DOCKET: EXAMINER HEARING - WEDNESDAY - SEPTEMBER 4, 1968

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

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

CASE 3847: (Continued from the August 21, 1968, Examiner Hearing)

Application of K. K. Amini for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Bough "C" zone of the Pennsylvanian formation underlying the NE/4 of Section 5, Township 10 South, Range 34 East, Lea County, New Mexico. Said acreage to be dedicated to a well to be drilled in the SW/4 NE/4 of said Section 5, adjacent to the Vada-Pennsylvanian Pool.

CASE 3513: (Reopened)

In the matter of Case No. 3513 being reopened pursuant to the provisions of Order No. R-3179-A, which order established 160-acre spacing units and a 160-acre proportional factor of 4.77 for allowable purposes for the Vada-Pennsylvanian Pool, Lea County, New Mexico, for a period of one year All interested parties may appear and show cause why the pool should not be developed on less than 160-acre spacing units and show cause why the 160-acre proportional factor of 4.77 should or should not be retained.

CASE 3849:

Application of Penroc Oil Corporation for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Grayburg formation through its Phillips State Well No. 4 located in Unit I of Section 27, Township 17 South, Range 28 East, Artesia Pool, Eddy County, New Mexico.

CASE 3850: Application of Pan American Petroleum Corporation for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Bough (Permo-Pennsylvanian) formation in the interval from approximately 9590 feet to 9634 feet in its Federal "A" Well No. 3 located in Unit J of Section 13, Township 9 South, Range 35 East, Bough (Permo-Pennsylvanian) Pool, Lea County, New Mexico.

> Application of Mobil Oil Corporation for a waterflood expansion, Lea County, New Mexico Applicant, in the above-styled cause, seeks authority to expand its Bridges State Waterflood Project by the injection of water into the San Andres formation through an injection well recently completed at a location 660 feet from the South line and 560 feet from the West line of Section 24, Township 17 South, Range 34 East, Vacuum Pool, Lea County, New Mexico.

CASE 3852:

CACE 2021:

Application of Mobil Oil Corporation for a triple completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the triple completion (conventional) of its Bridges State Well No. 126 located in Unit J of Section 11, Township 17 South, September 4, 1968 Examiner Hearing (Case 3852 continued)

Range 34 East, Lea County, New Mexico, in such a manner as to produce oil from the Abo, Middle Pennsylvanian and Morrow formations, Vacuum Field, through parallel strings of tubing.

CASE 3651: (Reopened)

In the matter of Case No. 3651 being reopened pursuant to the provisions of Order No. R-3315, which order created the North Morton Permo-Pennsylvanian Pool, Lea County, New Mexico, and established 80-acre spacing units for said pool for a period of one year. All interested parties may appear and show cause why said pool should not be developed on 40-acre spacing units.

CASE 3853:

Application of Tenneco Oil Company for a waterflood expansion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the expansion of its Mesa Queen Waterflood Project, Mesa-Queen Pool, by the conversion to water injection of two additional wells located in the SW/4 NW/4 of Section 20 and the NW/4 SE/4 of Section 16, both in Township 16 South, Range 32 East, Lea County, New Mexico. Applicant further seeks an administrative procedure whereby said project could be expanded to include additional lands and injection wells as may be necessary to complete an efficient injection pattern.

CASE 3854:

Application of Sinclair Oil & Gas Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Yates formation in the perforated interval from 3636 feet to 3700 feet in its Ballard DE Federal Well No. 6 located in Unit L of Section 22, Township 20 South, Range 34 East, Lynch Field, Lea County, New Mexico.

CASE 3431: (Reopened):

In the matter of Case No. 3431 being reopened pursuant to the provisions of Order No. R-3100-A to permit Sinclair Oil & Gas Company to show cause why its W. H. Turner Well No. 1 located in Unit L of Section 29, Township 21 South, Range 37 East, Lea County, New Mexico, a dual completion in the Drinkard and Blinebry Oil Pools, should not be completed in accordance with the provisions of Rule 112-A or the Commission Rules and Regulations.

CASE 3855:

Application of Sunray DX Oil Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Seven Rivers formation in the interval from approxima ly 3693 feet to 3733 feet in its H. D. Greer Well No. 1 located in Unit C of Section 21, Township 22 South, Range 36 East, South Eunice Pool, Lea County, New Mexico.

(2)

	J. R. MODRALL	LAW OFFICES OF	
	JAMES E. SPERLING JOSEPH E. ROEHL GEORGE T. HARRIS, JR. DANIEL A. SISK	MODRALL, SEYMOUR, SPERLING, ROEHL & HARRI public service building	IS JOHN F. SIMMS (1885-1954) AUGUSTUS T. SEYMOUR (1907-1965)
	LELAND S. SEDBERRY, JR. ALLEN C. DEWEY, JR. FRANK H. ALLEN, JR. JAMES P. SAUNDERS, JR. JAMES A. PARKER	P.O. 602 2168 Albuquerque, New Mexico 87103	TELEPHONE 243-4511 AREA CODE 505
	JAMES A. PANCK HENRY G. COORS JOHN R. COONEY KENNETH L. HARRIGAN DETER J. ADANG DALE W. EK	August 13, 1968	e 3852
a Arran de Arrana ar	New M Post	. L. Porter, Jr. exico Oil Conservation Commission Office Box 2088 Fe, New Mexico 87501	
1	Re:	Application of Mobil Oil Corporation - Bridges State Well No. 126, Unit J,	3 Aug 14 Au 9 CS
		Section 11, Township 17 South, Range	

Dear Mr. Porter:

Enclosed herewith in triplicate are the following:

- 1. Form C-107, Application for Multiple Completion.
- 2. Diagrammatic Sketch of Multiple Completion showing casing strings, tubing strings, cement program, packers including types, depths and location with reference to perforations.
- 3. Plat showing location of wells on Applicant's lease and offset leases.
- 4. Electric Log of the Bridges State Well No. 126.

Listed in the Application are the offset operators to the Bridges State Lease together with their addresses. Copies of the Form C-107 were furnished to these offset operators as shown on the Application.

Please schedule the Application for examiner hearing as soon as possible.

Very truly yours, Annes CA James E. Sperling

JES:jv Enclosures

cc: Mr. Ira B. Stitt Division Operations Engr. Mobil Oil Corporation P. O. Box 633

Midland, Texas 79701

Date

DOCKET MALLED



MR. UTZ: Case 3852.

MR. HATCH: Case 3852. Application of Mobil Oil Corporation for a triple completion, Lea County, New Mexico.

MR. SPERLING: James E. Sperling, Modrall, Seymour, Sperling, Roehl and Harris, Albuquerque, appearing for the Applicant. We have one witness: Mr. Hart.

MR. UTZ: Are there any other appearances? Let the record show that this is the same Mr. Hart that was sworn in the last case, 3851.

You may proceed.

FRANK HART

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

DIRECT EXAMINATION

BY MR. SPERLING:

Q Mr. Hart, you are familiar with the application filed on behalf of Mobil in connection with this matter, are you not?

Q What is sought by the application?

A We seek to have a triple completion authorized in Mobil's Bridges State Well Number 121.

Q Would you proceed with your testimony concerning the

field, the pool in which this particular well is located and

give something of its history?

A Yes, sir.

MR. UTZ: Excuse me. Just a moment. Do you have these exhibits marked?

THE WITNESS: I have them marked, yes, sir.

MR. SPERLING: We'll mark them.

MR. UTZ: Just give me the stamp and I'll mark them while you're working.

(Whereupon, Applicant's Exhibits Numbers 1 through 8, inclusive, were marked for identification.)

3

A The Vacuum Abo North Pool in Lea County, New Mexico was discovered by Mobil's State Bridges Well Number 95 and presently has 36 wells completed in that zone, four of which are present?; shut-in.

The Vacuum Middle Penn Pool was discovered by Mobil's Bridges State We 1 Number 121 and is presently producing through three wells.

The Vacuum Morrow North Pool in Lea County was discovered by Pennzoil Bridges State Well Number 1 and presently has two wells producing from that pool.

Mobil Oil Corporation's Bridges State Well Number 126 was spudded April 22nd, 1968 and completed as an oil-oil-oil flowing triple on June 19th, 1968. Q That is the well that is subject to this application.A That is correct.

 Ω Now, please refer to what has been marked as Exhibit Number 1 and explain the information shown thereon.

A Exhibit Number 1 is a map of the area showing the location of Mobil's Bridges State Well Number 126. Referring to Exhibit 1, Bridges State Well Number 126 is a Vacuum Abo North, Vacuum Middle Penn and Vacuum Morrow North triple completion, located on Bridges State Lease in Unit J, Section 11, Township 17 South, Range 34 East of Lea County, New Mexico.

Color coded on the map are all wells which are multiply completed in the Abo or deeper zones. Wells completed at more shallow depths are not color coded, but for informational purposes, have been -- have their completion interval marked on the map.

Q Now, the well in question is shown by the red arrow approximately in the center of the exhibit, is that right?

A That is correct, sir.

Q Is there anything else to add with reference to Exhibit 1 at this time?

A No, sir.

Q Please refer to Exhibit Number 2 and explain its purpose.

4

A Exhibit Number 2 is an application for multiple completion, New Mexico Oil Conservation Commission's Form 2107, dated August 1, 1968, filed with the Commission on August 13th, 1968.

5

Referring to Exhibit 2, the upper zone in the Bridges State 126 is the Vacuum Abo North located at a depth of 8,557 feet to 8,606 feet and completed as a flowing oil well. The middle zone is the Vacuum Middle Penn located at a depth of 10,549 feet, 10,620 feet and completed as a flowing oil well.

The lower zone is the Vacuum Morrow North located at a depth of 11,855 feet to 11,932 feet and completed as a flowing oil well.

Item Number 5 on Exhibit Number 2 is a list of all the offset operators. These listed operators were notified of Mobil's application for multiple completing Bridges State Well Number 126 by receiving a copy of this application.

Q Now, please refer to Exhibit Number 3 and explain the information contained on that exhibit.

A Yes, sir. Exhibit Number 3 is a diagrammatic well bore sketch of Mobil's Bridges State Well Number 126. Referring to Exhibit 3, the well was drilled to a depth of 12,046 feet and plugged back to a depth of 12,004 feet. Thirteen and threeeighths inch 48-pound casing was set to a depth of 355 feet and cement circulated to the surface. Nine and five-eighths inch, 36 and 40-pound casing was set to a depth of 4,980 feet and cemented with 2700 sacks of cement. Top of cement was located by a temperature survey at 670 feet.

Seven inch S-95 an NAE liner was set from 4852 feet to 12,045 feet and cemented to the top of the liner with 1500 sacks of cement. Considering the amount of cement and the position of the top of the cement sheet, it is Mobil's opinion that the annulus form between the wall of the well bore and the casing is sealed and will prevent migration of fluid there, through.

The Abo Formation was thereafter opened into the well bore by perforating a seven inch liner with 24 holes at an interval of 8,557 feet to 8,606 feet. The Middle Penn was perforated with 24 holes at an interval of 11,855 feet, 11,932 feet. Gyéberson triple anchor was set at 8,653 feet. A Gyeberson RH-2 dual factor was set at 10,500 feet, and a Gyeberson type paid -- permanent packer was set at 11,790 feet. Two and three-eighths inch production tubing was installed to surface each zone.

Q Now, refer to Exhibit Number 4.
A Exhibit Number 4 is a notorized affidavit signed by
Mr. R. B. Mercer attesting to the packer setting depths as
previously described.

Q Exhibit Number 5.

A Exhibit Number 5 is a PGAC Electric Log of Mobil's Bridges State Well Number 126. The tops of each formation and the perforated intervals have been marked on this log. Referring to the log, it can be seen that three perforated intervals in this well have substantial vertical separation and are not considered to be in communication within the matrix.

Q Now, refer to Exhibit Number 6. Explain the information contained on that exhibit.

A Exhibit Number 6 consists of copies of pressure readings taken on Mobil's Bridges State Number 126 during packer leakage tests. These tests revealed that there is no communication between the separate zones within the well bore.

Q And what is Exhibit Number 7?

A Exhibit Number 7 is a data sheet showing production and well characteristic tests of the Vacuum Abo North, Vacuum Middle Penn, Vacuum Morrow North Formations of Bridges State Well Number 126.

Q Exhibit Number 8?

Cart Star

A Exhibit Number 8 is a list of stimulation treatments performed on Bridges State Well Number 126.

Q Now, from the information contained in the exhibit as described by you and by reference to the information contained in those exhibits, is it your opinion, as presently completed, this well is completed without commingling of any fluids as between the separate formations?

A That is correct.

Q

Q In what manner, if any, can reservoir pressures be ascertained with reference to the separate reservoir?

A The well is also equipped so the reservoir pressure may be determined for each separate producing strata. A triple head, and separate producing equipment, are connected to the well in order that gas, gas and oil, and oil from each of the separate strata may be accurately measured and the gas-oil ratio determined.

Q Has authority been previously requested from the
 Commission with reference to this well? If so, in what manner?
 A Mobil has permission to dually complete Bridges State
 Number 126 as the Abo Middle Penn Dual. The Abc and Middle
 Penn are presently being produced under this authority.

The Morrow Zone in this well is closed in. Do you have anything further to add?

A Mobil respectfully requests that the New Mexico Conservation Commission grant approval to Mobil's application for a multiple completion of Bridges State Well 126.

8

MR. SPERLING: At this time, Mr. Examiner, I'd like to offer Exhibits 1 through 8.

MR. UTZ: Without objection, Exhibits 1 through 8 will be entered into the record in this case.

 $\langle D \rangle$

(Whereupon, Applicant's Exhibits 1 through 8, inclusive, were admitted in evidence.)

q

MR. SPERLING: That's all we have on direct,

Mr. Examiner.

CROSS EXAMINATION

BY MR. UTZ:

A

Q Have you tried anything below the Morrow?

Not to my knowledge, no; we might have a -- Do you

know?

Mr. Busch says down south, we have tried the Devonian. MR. UTZ: Are there any questions of the witness? The witness may be excused. Any statements in this case? We'll take it under advisement.

<u>i</u> <u>N</u> <u>D</u> <u>E</u> <u>X</u>

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PAGE

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9

WITNESS

Frank Hart

Direct Examination by Mr. Sperling

Cross Examination by Mr. Utz

EXHIBITS

	Number		Marked I Identifi	for cation	Received : Evidence	ln
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2019 - CAS 1						

STATE OF NEW MEXICO) } ss. COUNTY OF BERNALILLO)

I, CHARLOTTE MACIAS, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me; and that the same is a true and correct record of the said proceedings, to the best of my knowledge, skill and ability. Witness my Hand and Seal this 2nd day of October, 1968.

Notary Public

My Commission Expires: February 10, 1971.

> I do hereby certify that the formation is a complete resord of the proceeding. In the American hearing of fame 1. 28.52, neared by no on Such 1 2005 F

New Mexico Oil Conservation Sedelesion

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

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MOBIL OIL CORPORATION MIDLAND E & P DIVISION

Dahatin

Operator	16		e 9-4-68
Mobil Oil Corporation		_ease V	8-1-68
	- 4		
Box 633, Midland, Texas	79701 Towns	Bridges State	126
of Well			
. Has the New Mexico Oil Conseivation	11	<u> </u>	34-2
zones within one mile of the subject . If answer is yes, identify one such i	well? YES NO	D	Vell No.:
. The following facts are submitted:	Upper		Lower
	Zone	Zone	Zone
a. Name of Pool and Formation	Vacuum abo North	Yacunm Middle Penn	Vacuum Morrow North
b. Top and Bottom of			
Pay Section			
(Perforations)	8557-8606	10549-10620	11855-11932
c. Type of production (Oil of Gás)	011	011	
d. Method of Production (Flowing or Attificial Lift)	Flowing	Flowing	Flowing
1. The following are attached. (Please Yes No X	check YES or NO) n of the Multiple Completion, sters and location thereof, quan	howing all casing strings, including titles used and top of cement, perfor	diameters and setting depths, centr rated interval s, tubing s trings, includ
 A. The following are attached. (Please Yes No a. Diagrammatic Sketch izers and/or turbolized diameters and setting b. Plat showing the loc of operators of all les of operators of all les for the tors have been furnis C. Waivers consenting to the function of the tors have been furnis 	check YES or NO) n of the Multiple Completion, s ters and location theteof, quant g depth, location and type of p cation of all wells on applicant ases offsetting applicant's lea to such multiple completion fr shed copies of the application well of other acceptable log such log is not available at the e on which this well is located O. Box 670, Hobbs, 1 . O. Box 220, Hobbs, r 1828, Midand, Texat , 309 Carper Bldg. An	thowing all casing strings, including titles used and top of cement, perfor ackers and side door chokes, and such t's lease, all offset wells on offset use. The section of the section of the section with tops and bottoms of producing time application is filed it shall be together with their correct mailing a New Mexico 88240 New Mexico 88240 19701	g diameters and setting depths, centrated intervals, tubing strings, incluin h other information as may be pertine t leases, and the names and address hereof) evidence that said offset ope s zonak and intervals of perforation e submitted as provided by Rule 112-

CERTIFICATE: I, the undersigned, state that I am the Authorized Agent of the Mobil Oil Corporation (company), and that I am 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.

6 ſ₽ I Signature 120

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*Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twentyday period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

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NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in one or more of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

Disgrammatic Well Sketch Bridges State WellNo. 126 Vacuum (Abo, Middle Penn & Morrow) Fields Les County, New Mexico MOBIL OIL CORPORATION MIDLAND E & P DIVISION Exhibit No. 1330"- 48 1 E . HAO Set w/ 325 Se Case No. CIRC. Date Min. Burst Press= 1730 Pri 355 REFORE EXAMINER UTZ CONSERVATION OF LAND LAN EXHIBIT NO. 385 SE NO. 1 956"-36 E- 40%Ft 165 setur/2700 Top Cat . 670' Min. Burst Aress : 3520 Asi Abo Perforation Buiberson triple anchor Abo 248"65 + tubing Guiberson RH2 duel Focker 2% CS. Hydril medle lenn to N 10,000 Middle Penn, Perforations 10, 5 49'- 10, 520' wt 10805 70621 24 holes Guiberson TUPE "A ports. pockor. 248" N-80 Morrow +69 11, 790' Horrow Perforstions 11,8551- 11,9321- w/1 J.S.P.F. Totol 27 holes 7193' of 7" Liner 5-95 & N-80 Wt NA Set W/ 1500 Sc Cut cire; _ 12,00 4'- P.BT.D. Min Burst Press - NA 12-3. QUANE - 12, 045' 1. 24 4.14 -12,046'- T.D. 8/2/68

Dalid _ 8-8-68

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I, R.B. Mercer certify that packers were installed and tested as per installment plan attached.

RIN es.

un Lever f Notary 11-30-71

MOBIL OIL CORP. MIDLAND E & P 1	ORATION DIVISION
Exhibit No	52
Date 9-4-	62

Guiberson Equipment / Service / Engineering General Office: Box 1106 Dallas, Texas 75221

Packer Installation Plan

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- "J" Latch Secondary Stinger with 13,000# Tens on Guiberson "22-26#x2-3/8x2-3/8 RH-2 Pasker W/ Threeded Primary one "J" Latch Secondary set at 10,500 Serial no. 130-11712 Total Estimate Completion Procedure 1-3/4" ID Secting Lipple with 12"ID Stop Ring in Bottom 1-25/32 Sesting Minule of 11,788 Suberson "FL" Stinger Latched in with 12,000# Pension Cuiberson Type "L" Drillable Prekar-7" 20-24 "x3.5 ID with one "AI" Seil Minule of 11,790 Si Guiberson Lord in Sub Morrow Presend By Norrow Presend By Norrow Presend By Norrow Presend By Suberson Section Sub Norrow Presend By Suberson Section Sub Completion Proceed By Suberson Section Sub Norrow Presend By Completion Proceed By Suberson Section Sub Norrow Presend By State Section Sub Suberson Section Section Sub Suberson Section Sub Suberson Section Sub Suberson Section Section Sub Suberson Section Sub Suberson Section Section Sub Suberson Section Section Sub Suberson Section Section Sub Suberson Section Sub Suberson Section Sub Suberson Section Section Sub Suberson Section Section Sub Suberson Section										-3/8 03 Hy	<u>ydril</u>
Guiberson "22-26#x2-3/8x2-3/8 RH-2 Packer M/ Threaded Primary code "J" Latch Secondary set at 10,500 Serial no. 130-11712 TOTAL ESTIMATE Completion Procedure 1-3/4" ID Secting Lipple with 12"ID Stop Ring in Bottom 1-25/32 Sesting Ringle Latched in with 12,000% Pension Guiberson "PL" Stinger Latched in with 12,000% Pension Guiberson Type "." Drillable Packar-7" 20-2h "x3.5 ID with one ".I" Seal Ringle of 11,790' 5' Guiberson Lead in Sub Morrow Pressed By			Ę							2 000 // 77	<u>ener de la composition de la </u>
Primary on "J" Latch Secondary set at 10,500 Serial no. 130-11712 TOTAL ESTIMATE Completion Procedure 1-3/4" ID Secting Ripplo with 12"ID Stop Ring in Bottom 1-25/32 Sesting Ripplo with 12,000," Pension Cuiberson "ZL" Stinger Latched in with 12,000," Pension Cuiberson Type "L" Drillable Prokar=7" 20-24,"x3.5 ID with one "LI" Serl Ripplo at 11,790' 5' Guiberson Lead in Sub Morrow Pressed By Noted By Noted By Noted By Noted By Serial no. 130-11712 Total Estimate Total Estimat			\sim	· · · · · · · · · · · · ·							
Completion Procedure 1.3/4" ID Secting Minule with 12"ID Stop Ring in Bottom 1-3/4" ID Secting Minule at 11,788 1.25/32 Sesting Minule at 11,788 Suberson "EL" Stinger Letched in with 12,000% Fension Quiberson Type "A" Drillable Proken=7" 20-24,"x3.5 ID with one "AI" Berl Minule at 11,790' 5' Guiberson Letd in Sub Morrow Presend By IGuiberson Warehouse (Telephone IDINe			\bigvee		Prima	ry ch	"J" Lat	sh Seco		t at 10,50	
1-25/32 Sesting Ninule et 11,788 Suberson "FL" Stinger Letched in with 12,000, Pension Cuiberson Type "A" Drilleble Proken-7" 20-24, "x3.5 ID with one "AI" Berl Nipple of 11,790; 5' Guiberson Letd in Sub Morrow Pressed By ISuberson Waterbause (Dischare			/				130-1171	2		TOTAL ESTIMAT	<u>, , , , , , , , , , , , , , , , , , , </u>
1-25/32 Sesting Ninule et 11,788 Suberson "FL" Stinger Letched in with 12,000, Pension Cuiberson Type "A" Drilleble Proken-7" 20-24, "x3.5 ID with one "AI" Berl Nipple of 11,790; 5' Guiberson Letd in Sub Morrow Pressed By ISuberson Waterbause (Dischare	iddle a		<u> </u>		-1-3/4	ID Sa	sting Hi	mlo wi	th 12"ID	Stop Ring	in Bottom
1-25/32 Sesting Minple at 11,768 Suberson "PL" Stinger Latched in with 12,000," Pension Cuiberson Type "A" Drillable Packar-7" 20-24,"x3.5 ID with one "AI" Beal Mipple at 11,790; 5' Guiberson Lead in Sub Morrow Pressed By	549 I 140	d A	• • • • • • • •						·		
Cuiberson Type "A" Drilleble Proker-7" 20-24/"x3.5 ID with one "AI" Berl Hipple of 11,790' 5' Guiberson Lerd in Sub		2							•	th 10 000	N.4 There # -
with one "AI" Barl Hipple of 11,790' 5' Guiberson Leed in Sub Morrow Preagred By IGuiberson Warehouse (DINe		F									
Morrow Prepared By IGuiberson Warehouse ITelephone IDT No		1 [\mathbf{X}	T							
] [Morrow	-51 Gui Pressored By	berson	Lerd in	Sub	ouse IT.	lephone	IDT No
\pm $\pm D_{2} \times L_{2} $	ŧ		100	Perfs 11855	PR V	Ner.					43440,43441
CUSTOMER DALLAS OFFICE DISTRICT OFFICE	1801 0	- 120	100	117321				DALLASOF	FICE	<u>م</u> ات	

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NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHEAST NEW MEXICO PACKER DEAKAGE TEST

perator	MOEIL OIL	CORPORATION	Leas	Bridges State		well No. 126
ocation f Well	Unit	Sec	Twp	Rge	County	
			Type of Prod	Method of Prod		Choke Siz
pper	Name of Rese	rvoir or Pool	(Oil or Gas)	Flow, Art Lift	(Tbg or Csg)	
ompl	Vacuum Abo -	North	0i1	Flow	Tbg	24/64
ower	Vacuum Morro	ne an	011	Flow	Tbg	32/64
Comp1.	Vacuum Middl	e Penn	Oi1 FLON TEST	Flow NO. 1	Tbg	24/64
A11。 [zone	s shut-in at	(hour, date):	2:00 p.m. 8-7			
ell open	ed at (hour,	date):	2:00 p.m. 8-8	-68 Comple	lle Upper tion Completion	
ndicate	by (X) the	zone producin	g			X
ressure	at beginning	of test	8 MORIL OIL CORPO MIDLAND E. & P I MIDLAND E. & P I NIDLAND E. & P I	RATION 161:	2 <u>1220</u>	1750
tabilize	d? (Yes or N	o)	NOBIL OF & F	Ye	i, e e e e e e <u>e e e e e e e e e e e e e</u>	Yes
	mananima dumi	ng toot	WIDLAM NO.	8568 178	5 1250	1750
	ressure durr		MIDLAMA MIDLAMA Exchibit. No.	161:		910
			Date			
4 C 4		n of test	•••••	• • • • • • • • • • • • • • • • •	••••••	5 .41
ressure	change durin	g test (Maximu	n minus Minimum)		·····	2 <u>1</u> , 1750
as press	ure change a	n increase or a	a decrease?		ase Increase	VDecrea
	ed at (hour,			Producti	1 lon 24	н. Х Ш
uring Te	st:0	obls; Grav	0; During	Test	MCF; GOT	- 2
emarks	Morrow wel	l dead after 3	hrs.			SE
:		:			0	10
		· · · · · · · · · · · · · · · · · · ·	FLON TEST 1			<u> </u>
		2.00		Midd Comple	opper	Lower
		date):2:00				
ndicate 1	o ∀ (X) +.1	he zone produci	ing			3e
essure a	at beginning	of test		1890	1260	1280
abilized	1? (Yes or No)	• • • • • • • • • • • • • • • • • • •	yes	yes	yes
ximum pı	ressure durin	ng test	* * * * * * * * * * * * * * * * * *	1890	1260	1660
ກຳການກ່ວງ	essure durin	re test		700	1260	1280
			· · · · · · · · · · · · · · · · · · ·	1	1260	1660
	i Bright -				• • • • • •	380
1.	E -		1 minus Minimum).			·
	, –		decrease?	Decre Total tim	e on	Increas
ll close l Produc	d at (hour,	date) 2:00 p.	m. 8-11-68 Gas Produ	Productio		
ring Tes	it: <u>347</u> }	bls; Grav. 40.5	@ 60°;During Te	st577.7	MCF; GOR 1665	/1
marks_I	Pressure decl	line on last fl	low tests attribu	ited to possible	temperature effe	cts from
				cked w/5000 psi		
hereby contraction owledge.		the informatio	n herein contain	ed is true and c	omplete to the be	est of my
•				Operator MOBIL	OIL CORPORATION	· · · · · · · · · · · · · · · · · · ·
proved ew Mexic	o Oil Conser	vation Commiss	19 ion	By Jascole C	2. Jorda	La.
				TU		1
le				ritle Associate		V
				Date Augost	JI IGIN	

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NEW MEXICO OIL CONSERVATION COMMISSION

SOUTHEAST NEW MEXICO PACKER LEAKAGE TEST

Operato	r	Leas	e		vell No.
Locatio of Well	on Unit Sec	Twp	Rge	County	
	Name of Reservoir or Pool	Type of Prod (Oil or Gas)	Method of Prod Flow, Art Lift	Prod. Medium (Tbg or Csg)	Choke Size
Upper Compl					
Lower Compl					
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			

FLOW TEST NO. X 3

Both zones shut-in at (hour, date)	2:00 p.m.	8-12-68			
Well opened at (hour, date):			Middle Completion	Upper Completion	Lower Completion
Indicate by (X) the zone producing		· /		•	
Pressure at beginning of test		×		•	
Stabilized? (Yes or No)			-	•	
Maximum pressure during test	,		N e • • • • • • • • • • • • • • • • • • •	•	
Minimum pressure during test		1			
Pressure at conclusion of test					
Pressure change during test (Maximum					.*
Was pressure change an increase or a					
Well closed at (nour date):			Total Time On Production		
Oil Production During Test:bbls; Grav	Gas	Production		CF; GOR	<u> </u>
Remarks	, Dut 1				<u> </u>

Bridges State 126	FLOW TEST	NO. 2 3		4 ·	
Well opened at (hour, date): 2:00 p	.m. 8-12-68	····	Middle completion	Upper Completion	Lower Completion
Indicate by (X) the zone produci	ng			X	
Pressure at beginning of test			1700	1260	1840
Stabilized? (Yes or No)			yes	yes	yes
Maximum pressure during test	· · · · · · · · · · · · · ·		1700	1260	1840
Minimum pressure during test	1		1400	640	1650
Pressure at conclusion of test				640	1650
Pressure change during test (Maximum				620	190
Was pressure change an increase or a	•			Decrease	Decrease
Well closed at (hour, date) 2:00 p.		; To	otal time on roduction	24 hrs	4
Oil Production During Test: 410 bbls; Grav. 43 @	Gas Pro	duction		GOR 2240/	l
Remarks		1			

I hereby certify that the information herein contained is true and complete to the best of my knowledge.

Approved	· · · · · · · · · · · · · · · · · · ·	19	
New Mexico Oil	Conservation	Commission	
By	(
Title			

Operator_	MOBIL OIL CORPORATION
By Los	ply C. Jorda fr.
Title A	Ssociate Engineer
4	quit 26, 1968

























BRIDGES STATE WELL NO. 126 Abo Middle Penn Morrow Bbl Oil - 24 hours 312 360 262 Gas - Mcf - 24 hours 325.4 40.0 444.1 NHU NHU Gas-Oil Ratio 1043/1 111/1 1695/1 - EXAMINER Water - 24 hours 0 ء 0 55 Gravity of Oil @ 60° F 39.0 39.9 52.1 $\frac{\partial}{\partial z}$ Flowing Tubing Pressure 550 640 925 X 2710 Reservoir Pressure - PS‡ 891 1302 BEFORE CASE NO. OIL CON $\sum_{i=1}^{n}$ MOBIL OIL CORPORATION MIDLAND E & P DIVISION Exhibit No Case No.____ Date_____ FLHart:mw 8-27-68

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WELL DATA

STIMULATION TREATMENTS

Vacuum A	Abo :	Nor	th
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1,000 gallons 15% acid	6-20-68
1,000 gallons 15% acid	6-22-68
10,000 gallons 15% acid frac	6-24-68

Vacuum Middle Penn

1,000 gallons 15% acid

6-20-68

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Vacuum Morrow North

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194 C. H

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Has not been stimulated

BEFORE EXAMINER UTZ UNSE NO

MORIE OIL CORPORATION MIDLAND E & P DIVISIO

Exhibit No. **E** Case No. **3F52** Date **7.4-68**