

Case No.

1746

Application, Transcript,
Small Exhibits, Etc.

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. 1746
Order No. R-1478

APPLICATION OF SKELLY OIL COMPANY
FOR AN OIL-GAS DUAL COMPLETION IN
AN UNDESIGNATED GALLUP POOL AND IN
AN UNDESIGNATED DAKOTA POOL, RIO
ARRIBA COUNTY, NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 19, 1959, at Santa Fe, New Mexico, before Daniel S. Nutter, 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 14th day of September, 1959, the Commission, a quorum being present, having considered the application the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, 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, Skelly Oil Company, is the operator of the Mexico-Fed. "A" Well No. 1, located 1650 feet from the South line and 990 feet from the East line of Section 10, Township 24 North, Range 6 West, N.M.P.M., Rio Arriba County, New Mexico.
- (3) That the applicant proposes to dually complete the above-described Mexico-Fed. "A" Well No. 1 in such a manner as to permit the production of oil from an undesignated Gallup Pool and the production of gas from an undesignated Dakota pool through parallel strings of 2-inch EUE tubing.
- (4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

-2-
Case No. 1746
Order No. R-1478

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

IT IS THEREFORE ORDERED:

That the applicant be and the same is hereby authorized to dually complete the Mexico-Fed. "A" Well No. 1, located 1650 feet from the South line and 990 feet from the East line of Section 10, Township 24 North, Range 6 West, NMPM, Rio Arriba County, New Mexico, in such a manner as to permit the production of oil from an undesignated Gallup pool and the production of gas from an undesignated Dakota pool through parallel strings of 2-inch EUE 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 Deliverability Test Period for the Dakota Producing Interval.

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.

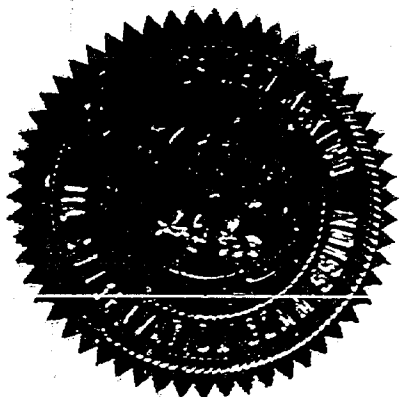
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John Burroughs
JOHN BURROUGHS, Chairman

Murray E. Morgan
MURRAY E. MORGAN, Member

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



lcr/

- CASE 1743: Application of Newmont Oil Company for an unorthodox water injection well location. Applicant, in the above-styled cause, seeks an order authorizing it to reopen and utilize for water injection a well located on an unorthodox location at a point 1620 feet from the North line and 1020 feet from the West line of Section 32, Township 16 South, Range 31 East, Square Lake Pool, Eddy County, New Mexico.
- CASE 1744: Application of Cities Service Oil Company for approval of a unit agreement. Applicant, in the above-styled cause, seeks an order approving its Drickey Queen Sand Unit embracing 5242 acres, more or less, of Federal, State and fee lands in Townships 13 and 14 South, Range 31 East, Caprock-Queen Pool, Lea and Chaves Counties, New Mexico.
- CASE 1745: Application of Phillips Petroleum Company for an automatic custody transfer system. Applicant, in the above-styled cause, seeks an order authorizing it to install an automatic custody transfer system to transfer the custody of oil produced on the West Ranger Unit comprising certain acreage in Township 12 South, Range 34 East, Ranger Lake-Pennsylvanian Pool, Lea County, New Mexico.
- CASE 1746: Application of Skelly Oil Company for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Mexico-Fed. "A" Well No. 1, located 1650 feet from the South line and 990 feet from the East line of Section 1, Township 24 North, Range 6 West, Rio Arriba County, New Mexico, in such a manner as to produce oil from an undesignated Gallup pool and to produce gas from an undesignated Dakota pool through parallel strings of tubing.
- CASE 1747: Application of George L. Buckles Company for a non-standard oil proration unit. Applicant, in the above-styled cause, seeks the establishment of a 49.82-acre non-standard oil proration unit in an undesignated Delaware pool consisting of lots 1 and 2 of section 34, Township 26 South, Range 32 East, Lea County, New Mexico, said unit to be dedicated to the applicant's Elliott-Federal Well No. 1, located 330 feet from the South and East lines of said Section 34.
- CASE 1748: Application of Magnolia Petroleum Company for an automatic custody transfer system and for permission to produce more than 16 wells in a common tank battery. Applicant, in the above-styled cause, seeks an order authorizing it to install an automatic custody transfer system to transfer custody of oil from all Horseshoe-Gallup oil wells on its Navajo "A" Lease comprising certain acreage in Township 31 North, Range 17 West, San Juan County, New Mexico.

DOCKET: EXAMINER HEARING AUGUST 19, 1959

Oil Conservation Commission - 9 a.m., Mabry Hall, State Capitol, Santa Fe, New Mexico

The following cases will be heard before Daniel S. Nutter, Examiner, or A. L. Porter, Jr., Secretary-Director.

CONTINUED CASE

CASE 1683: (Continued)
Application of Gulf Oil Corporation for a non-standard gas proration unit and for an order force pooling the interests therein. Applicant, in the above-styled cause, seeks the establishment of a 477-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the N/2 and the SE/4 of Section 19, Township 19 South, Range 37 East, Lea County, New Mexico, to be dedicated to applicant's B. V. Culp "A" Well No. 3, located 1980 feet from the North and West lines of said Section 19. Applicant further seeks an order force pooling the interests of those in said non-standard gas proration unit who have gas rights within the vertical limits of the Eumont Gas Pool.

NEW CASES

CASE 1739: Application of Shell Oil Company for approval of a unit agreement. Applicant, in the above-styled cause, seeks an order approving its Henshaw Deep Unit Agreement comprising 4824 acres, more or less, of Federal and State lands in Township 16 South, Ranges 30 and 31 East, Eddy County, New Mexico.

CASE 1740: Application of Shell Oil Company for two salt water disposal wells. Applicant, in the above-styled cause, seeks an order authorizing the disposal of produced salt water into the Queen Formation through its Allen Estate Well No. 3, located in the SE/4 SE/4 of Section 27 and through its Record Well No. 1, located in the NW/4 SW/4 of Section 26, both in Township 19 South, Range 35 East, Lea County, New Mexico. The proposed injection interval in said Allen Estate Well No. 3 is from 4900 feet to 4918 feet and the proposed injection interval in said Record Well No. 1 is from 4870 feet to 4884 feet.

CASE 1741: Application of El Paso Natural Gas Company for a gas-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Hancock Well No. 4 in the SW/4 SW/4 of Section 23, Township 28 North, Range 9 West, San Juan County, New Mexico, in such a manner as to produce gas from the Aztec-Pictured Cliffs Pool and to produce gas from the Blanco-Mesaverde Pool through the casing-tubing annulus and tubing respectively. Applicant proposes to utilize a retrievable-type packer in said well.

CASE 1742: Application of El Paso Natural Gas Company for a gas-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its San Juan 27-4 Unit Well No. 21, located in the NW/4 NE/4 of Section 30, Township 27 North, Range 4 West, Rio Arriba County, New Mexico, in such a manner as to produce gas from the Tapacito-Pictured Cliffs Pool and to produce gas from the Blanco-Mesaverde Pool through the casing-tubing annulus and the tubing respectively. Applicant proposes to utilize a retrievable-type packer in said well.

Aug 19

MAIN OFFICE OCC
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BEFORE THE OIL CONSERVATION COMMISSION OF THE
STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF
SKELLY OIL COMPANY FOR AN ORDER PERMITTING
THE DUAL COMPLETION OF ITS MEXICO-FED "A" No.
1 WELL AS AN OIL WELL IN AN UNDESIGNATED
GALLUP POOL AND AS A GAS WELL IN AN UNDESIGNATED
DAKOTA POOL IN RIO ARriba COUNTY NEW MEXICO AS
AN EXCEPTION TO STATEWIDE RULE 112-A

Case No. 1746

A P P L I C A T I O N

To the Honorable Oil Conservation Commission of the State of New
Mexico:

Applicant, Skelly Oil Company, respectfully states:

1. That it is the operator of its Mexico-Fed. "A" No. 1 Well located
1650 feet from the South line and 990 feet from the East line of Section
1 of Township 24 North, Range 6 West, Rio Arriba County, New Mexico.

2. Applicant proposes to dually complete the above described well in
such a manner as to permit production of oil from an undesignated Gallup oil
pool from perforations 5,388 feet to 5,587 feet, and the production of gas
from an undesignated Dakota pool from perforations 6,475 to 6,556 feet.

3. That to applicant's knowledge this Commission has not previously
authorized a dual completion in the subject oil and gas pools.

4. That the proposed method of dual completion is mechanically feasible
and in accordance with good conservation practices.

5. Attached hereto and made a part hereof is a plat which shows the
location of the subject well and the names of all off-set operators whose
addresses are:

El Paso Natural Gas Company
Box 997
Farmington, New Mexico

Walter Famariss & J. B. Davis
Box 868
Hobbs, New Mexico

GILBERT, WHITE AND GILBERT
ATTORNEYS AT LAW
SANTA FE, NEW MEXICO

Corrected
Mailed
8-4-33

GILBERT, WHITE AND GILBERT
ATTORNEYS AT LAW
SANTA FE, NEW MEXICO

Benson-Montin-Greer Drlg. Corp.
Petroleum Center Building
Farmington, New Mexico

Elkins & Marion, c/o Mark Elkins
Box 177
Grants, New Mexico

6. Also attached is a diagramatic sketch showing diameters and setting depths of casing and tubing strings, cementing data, perforated intervals and setting depth and type of packer.

7. That in the interest of conservation and prevention of waste and for the protection of correlative rights this application should be granted.

WHEREFORE, Applicant prays that this application be set for hearing; that notice be given as required by law, and that upon the evidence adduced at such hearing the Commission issue its Order granting applicant's request as hereinabove stated.

SKELLY OIL COMPANY

By George W. Selinger (Per)
George W. Selinger

L. C. White
L. C. White
Its Attorneys

Benson-Montin-Greer Drlg. Corp.
Petroleum Center Building
Farmington, New Mexico

Elkins & Marion, c/o Mark Elkins
Box 177
Grants, New Mexico

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WHEREFORE, Applicant prays that this application be set for hearing; that notice be given as required by law, and that upon the evidence adduced at such hearing the Commission issue its Order granting applicant's request as hereinabove stated.

SKEELLY OIL COMPANY

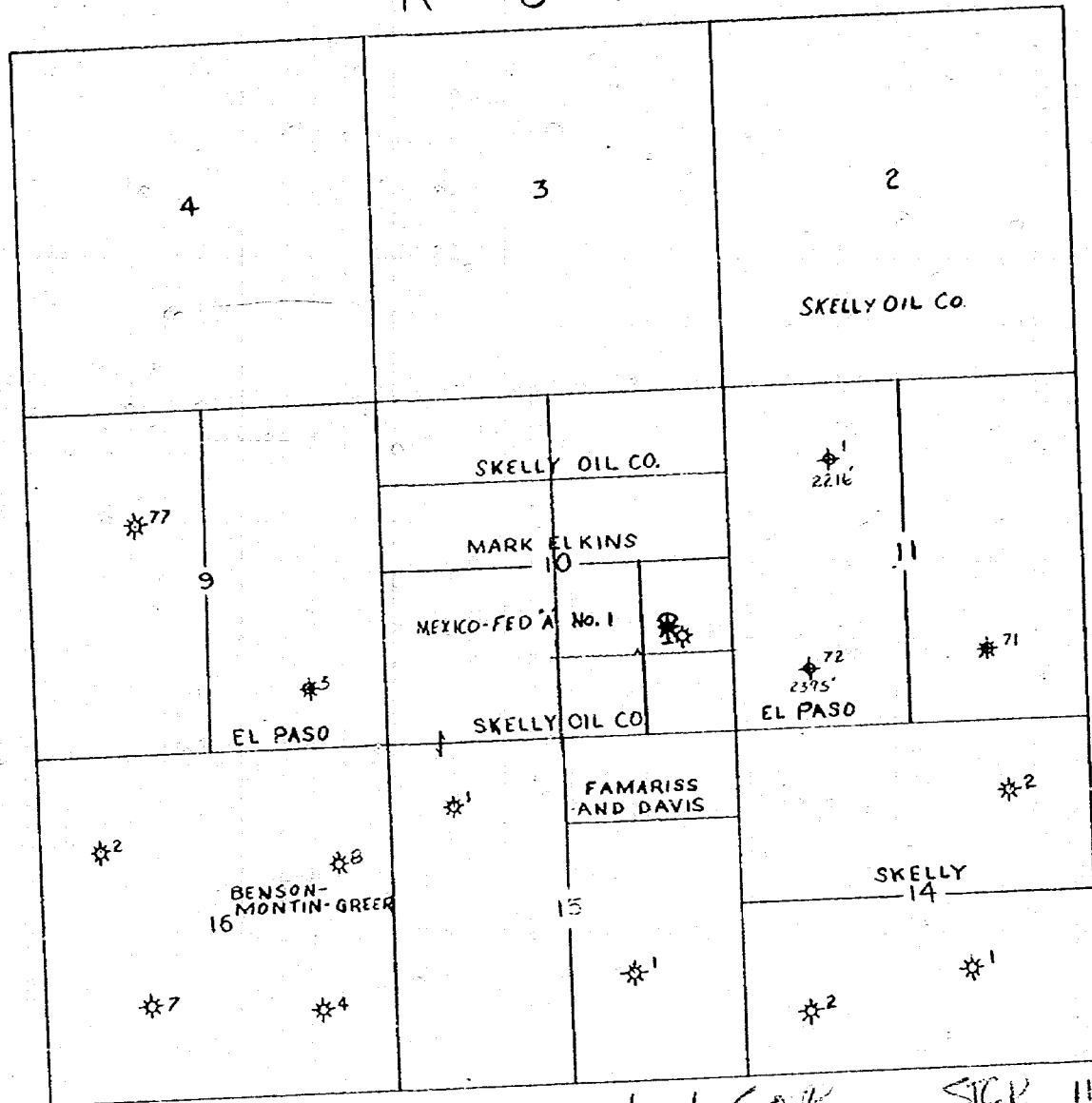
By George W. Selinger (Rel)
George W. Selinger

L. C. White
L. C. White
Its Attorneys

RIO ARRIBA COUNTY
NEW MEXICO

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go go 39° 1143 to 160K SICK 1155
OK could 55° 899,000 ym flow 2204

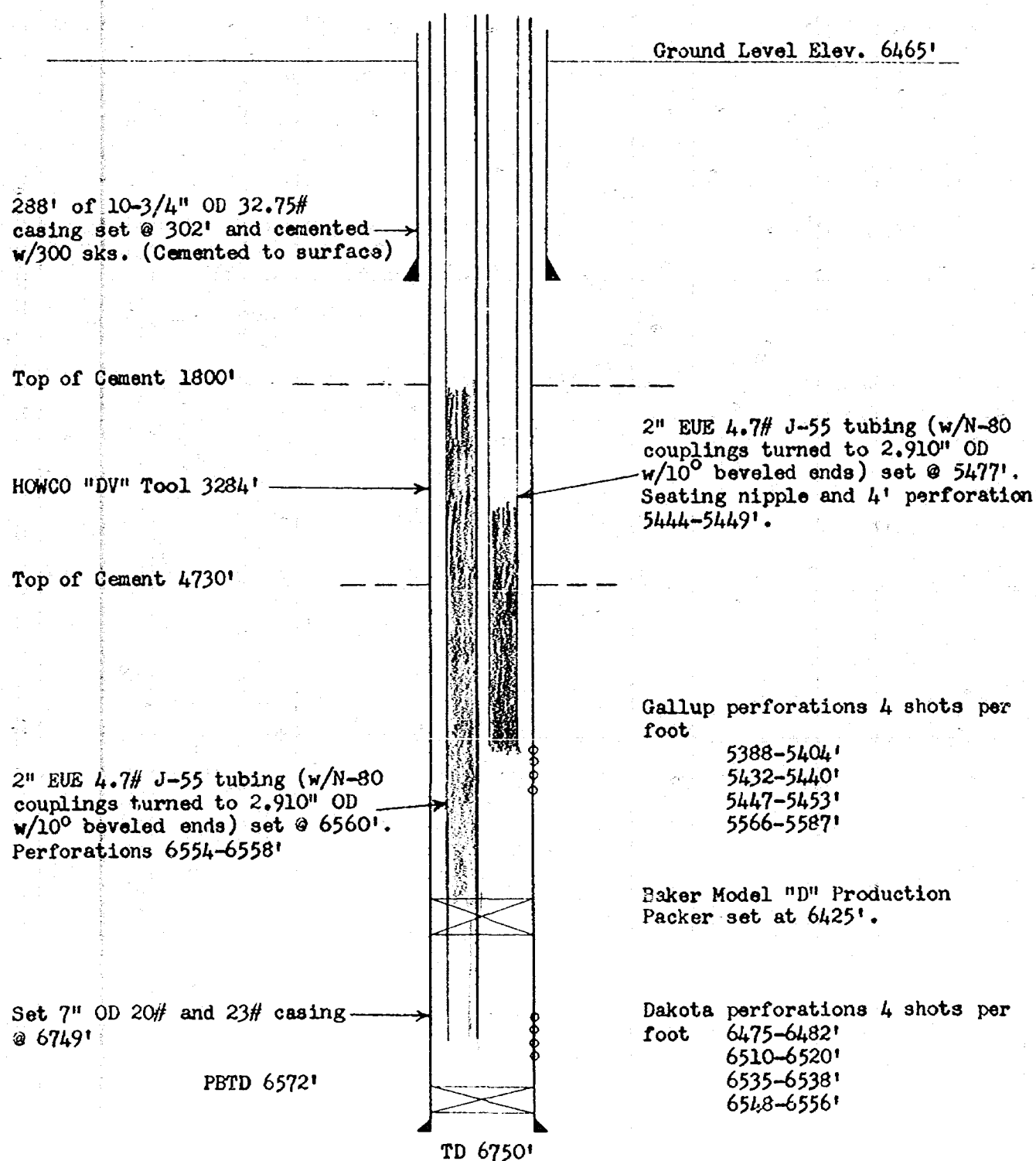
SKELLY OIL COMPANY

Mexico-Fed "A" No. 1

NE/4 SE/4 10-24N-6W

Rio Arriba County, N. M.

Reference Point KB Elev. 6475'



RIO ARriba COUNTY
NEW MEXICO

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4		3		2	
				SKELLY OIL CO.	
9	*77	SKELLY OIL CO.		11	*71
		MARK ELKINS 10			
		MEXICO-FED "A" No. 1			
EL PASO		SKELLY OIL CO.		EL PASO	
15	*2	*1	FAMARISS AND DAVIS		*2
			SKELLY 14		
BENSON-MONTIN-GREER		15		*1	
*7		*1		*2	
*4					

BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
1746 EXHIBIT NO. 1
CASE NO. 1746

SKELLY OIL COMPANY

Mexico-Fed "A" No. 1

NE/4 SE/4 10-24N-6W

Rio Arriba County, N. M.

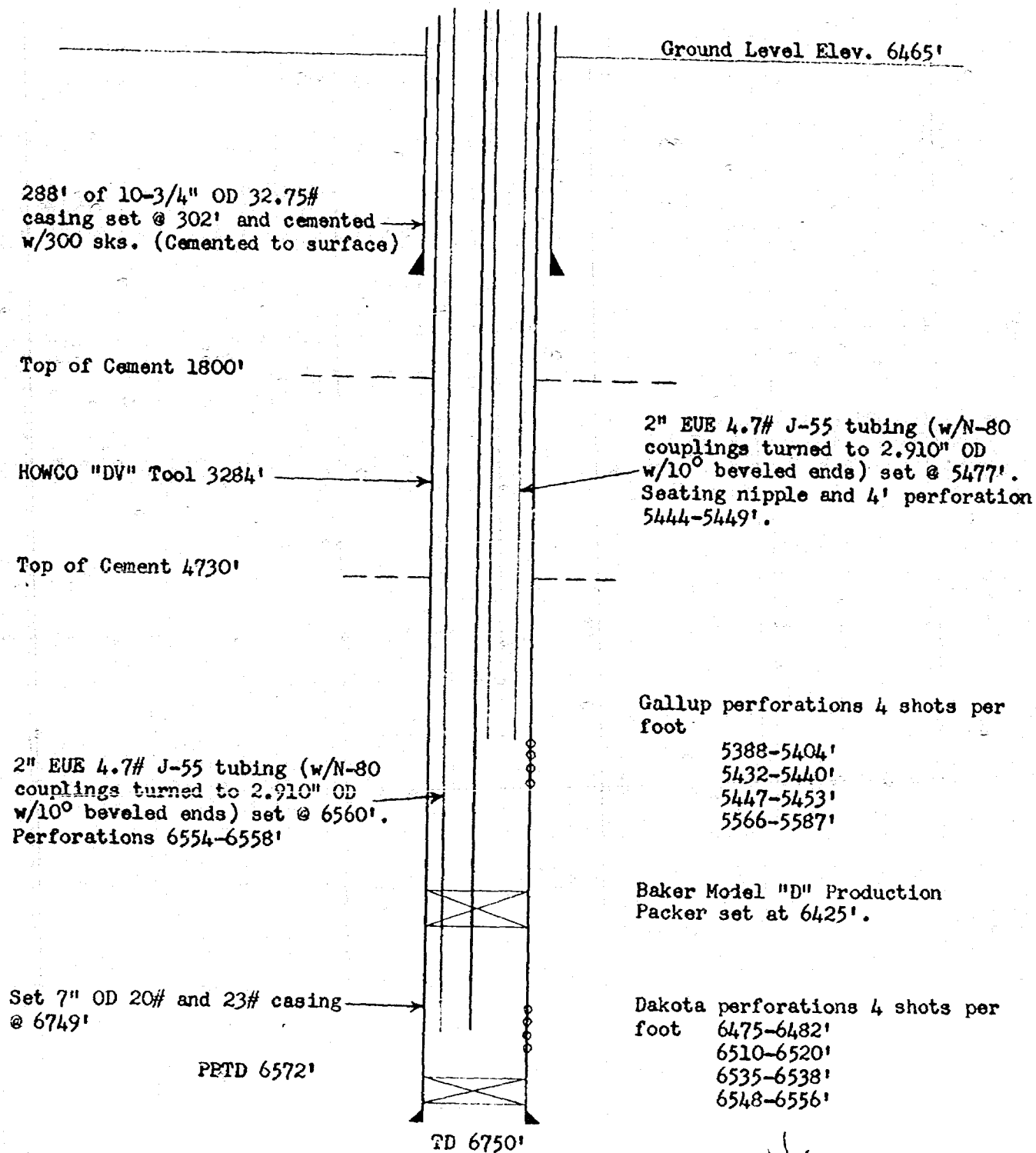
BEFORE EXAMINED

OIL CONSERVATION

EXHIBIT NO. 2

CASE NO. 1746

Reference Point KB Elev. 6475'



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE 1746

TRANSCRIPT OF HEARING

AUGUST 19, 1959

DEARNLEY - MEIER & ASSOCIATES
GENERAL LAW REPORTERS
ALBUQUERQUE NEW MEXICO
Phone CHapel 3-6691

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
AUGUST 19, 1959

IN THE MATTER OF:

CASE 1746: Application of Skelly Oil Company for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Mexico-Fed. "A" Well No. 1. located 1650 feet from the South line and 990 feet from the East line of Section 1, Township 24 North, Range 6 West, Rio Arriba County, New Mexico, in such a manner as to produce oil from an undesignated Gallup pool and to produce gas from an undesignated Dakota pool through parallel strings of tubing.

BEFORE:

Daniel S. Nutter, Examiner.

T R A N S C R I P T O F P R O C E E D I N G S

MR. NUTTER: The next case will be Case 1746.

MR. PAYNE: Case 1746. Application of Skelly Oil Company for an oil-gas dual completion.

(Witness sworn)

HAROLD E. AAB,
called as a witness, having been first duly sworn, testified as follows:

DIRECT EXAMINATION

BY MR. WHITE::

Q Mr. Aab, will you state your full name for the record, please?

A Harold E. Aab.

Q And will you spell your last name for the benefit of the Reporter?

A A-a-b.

Q Mr. Aab, in what capacity are you employed by Skelly Oil Company?

A I am Assistant District Superintendent at Farmington, New Mexico.

Q Have you previously testified as an expert petroleum engineer before this Commission or one of its Examiners?

A Yes, sir, I have.

Q Are you familiar with Skelly's application in Case No. 1746?

A Yes, sir.

Q Will you briefly state what Skelly proposes under this application?

A We seek to dually complete our Mexico-Fed. "A" No. 1 Well in the Gallup Sand and Dakota Sand.

Q Will you state where Mexico-Fed. "A" Well No. 1 is located?

A This well is located 1650 feet from the South line and 990 feet from the East line of Section 10, 24 North, 6 West, Rio Arriba County.

(Thereupon, Applicant's Exhibit No. 1 was marked for identification.)

Q Will you refer to what has been marked Exhibit No. 1, the same being an ownership plat, and explain that, please?

A Exhibit No. 1 is an ownership map showing all offset operators surrounding our proposed dual completion.

Q Does it show the location of the subject well?

A Yes, sir, it shows the location of the Mexico-Fed. "A" Well with relation to offset leases.

Q And that is in Section 10, --

A Yes.

Q -- Township 24 North, Range 6 East?

A 6 West.

Q Will you discuss the nature of the reservoir fluids, please?

A The Gallup zone produces sweet crude oil with a gravity of approximately 39, and our well has a gas-oil ratio of 1143 to 1. The Dakota produces gas condensate, being sweet gas condensate.

Q What type of solution drive?

A The Gallup is a gas solution reservoir, and the Dakota is just a condensate reservoir, gas condensate.

(Thereupon, Applicant's Exhibit No. 2 was marked for identification.)

Q Will you refer to what has been marked Exhibit 2, and explain that diagramatic sketch to the Examiner?

A This is a schematic sketch or the mechanics of this dual completion. This well has got 10 3/4 inch, 32.75 pound casing set at 302 feet, cemented to the surface with 300 sacks of regular cement. We have 7 inch 20 and 23 pound casing set at 6749. And the bottom section is cemented to 4730. There is a Howco two-stage cement tool at 3284 below the Chaco Sand and is cemented over the Chaco and Pictured Cliffs to 1800. The Gallup Sand is perforated in four intervals from 5388 to 5587. The Dakota Sand is perforated in four intervals from 6475 to 6556. There is a Baker Model "D" production packer set at 6425 with one string of 2 inch J-55 tubing set through the packer at 6560. The Gallup is produced through another string of 2 inch tubing set at 5477. This well is equipped with a Camperon Iron Works Series 900 split doughnut wellhead.

Q In your opinion, is there any possibility of communication between these two zones?

A No. We have a packer leakage test approved by O.C.C.
(Thereupon, Applicant's Exhibit No. 3 was marked for identification.)

Q I'll ask you to examine Exhibit No. 3 and state if that is the packer leakage test?

A This is the packer leakage test taken on this particular well.

MR. WHITE: We would like to substitute the original for a photostatic copy.

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MR. NUTTER: That is fine.

Q Were Exhibits No. 1 and 2 prepared by you or under your direction?

A Yes.

(Thereupon, Applicant's Exhibit No. 4 was marked for identification.)

Q I hand you what has been marked Exhibit No. 4, and will you state what that is, please?

A This is a letter to Mr. Emery Arnold, New Mexico Oil Conservation Commission, stating the time that a packer leakage test was to be taken, with carbon copies sent to all offset operators.

Q And there are noted on the letter as to who the offset operators are?

A Yes.

(Thereupon, Applicant's Exhibit No. 5 was marked for identification.)

Q I'll ask you to refer to what has been marked Exhibit No. 5, and ask you to explain that, please?

A Exhibit No. 5 is a Schlumberger injection electric log. The Mexico Fed. "A" 1 which shows the relation of the Gallup and Dakota Sand to each other.

Q Is it self-explanatory?

A Self-explanatory.

Q How will the production be gauged and stored?

A It will be produced into separate tank batteries.

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Q What economic advantages, if any, will be gained by this dual completion operation?

A It will prevent us from drilling a well to the Gallup at a cost of approximately \$65,000, or to the Dakota at a cost of approximately \$85,000.

Q In your opinion, are the mechanics of the proposed completion feasible in accordance with good conservation practices?

A Yes.

Q Will the granting of the application, in your opinion, cause waste or impair any correlative rights?

A No.

MR. WHITE: At this time we move the introduction of Exhibits 1 through 5 inclusive.

MR. NUTTER: Skelly's Exhibits 1 through 5 will be entered.

(Thereupon, Applicant's Exhibits Nos. 1 through 5 were received in evidence.)

MR. WHITE: We have no further questions on direct.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. Aab, you stated what the gravity of the Gallup production is. What is the gravity of the Dakota condensate?

A Approximately 55.

Q And do you have a GOR on it?

A No, we don't. We have an open flow potential of

899,000 cubic feet of gas per day.

Q 899,000 cubic feet?

A Yes.

Q And how many barrels of liquid were made on that test?

A Well, I don't have that, but it is very small.

Q It doesn't make much liquid?

A No, not very much at all.

Q How about the pressures on these two zones?

A Our shut-in casing pressure on the Gallup is 115, and our shut-in -- that was in two days -- and our shut-in tubing pressure on the Dakota was 2204.

Q You don't know the bottom hole pressures in the two zones?

A No, I don't.

Q Have those been measured, and do you have that information in your office?

A No, they haven't been measured.

QUESTIONS BY MR. PAYNE:

Q Mr. Aab, has Skelly experienced any difficulty with Model "D" production packers?

A No, we have not.

Q Is it Skelly's practice to use these not only in New Mexico but generally in dual completions?

A Yes. That is more or less standard practice with Skelly Oil Company in areas that I have worked, which includes

Oklahoma and New Mexico.

Q And if there were a leak, would you be able to detect it in your packer leakage test or even before?

A Yes.

MR. NUTTER: Any further questions of Mr. Aab?

MR. WHITE: I might have one further one.

REDIRECT EXAMINATION

BY MR. WHITE:

Q Mr. Aab, do you know whether or not this Commission has approved similar installations as to this in the past?

A Yes, we have installations exactly like this that have been approved.

MR. WHITE: That's all I have.

MR. NUTTER: No further questions from Mr. Aab? He may be excused.

(Witness excused)

MR. NUTTER: Do you have anything further, Mr. White?

MR. WHITE: That's all we have.

MR. NUTTER: Does anyone have anything further in Case 1746? Take that case under advisement.

STATE OF NEW MEXICO)
) ss
 COUNTY OF BERNALILLO)

I, J. A. Trujillo, Notary Public in and for the County of Bernalillo, State of New Mexico, do hereby certify that the foregoing and attached Transcript of Proceedings before the New Mexico Oil Conservation Commission was reported by me in Stenotype and reduced to typewritten transcript by me, 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 8th day of September, 1959, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Joseph A. Trujillo
 NOTARY PUBLIC

My Commission Expires:

October 5, 1960

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 1746, heard by me on 8-19, 1959.
[Signature] Examiner
 New Mexico Oil Conservation Commission

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Operator Shelly Oil Company Lease Mardon-Pad #1A Well No. 1
Location of Well: Unit Sec. 10 Twp. 24N Rge. 6W County Rio Arriba

Name of Reservoir or Pool	Type of Prod. (Oil or Gas)	Method of Prod. (Flow or Art. Lift)	Prod. Medium (Tbg. or Csg.)
Upper Completion <u>Callup</u>	<u>Oil</u>	<u>Flow</u>	<u>Tbg.</u>
Lower Completion <u>Dakota</u>	<u>Gas</u>	<u>Flow</u>	<u>Tbg.</u>

PRE-FLOW SHUT-IN PRESSURE DATA				
Upper Compl	Hour, date <u>8:00 AM</u>	Length of time shut-in <u>7 days</u>	SI press. <u>tubing</u> <u>440</u> psig	Stabilized? (Yes or No) <u>Yes</u>
Lower Compl	Hour, date <u>8:00 AM</u>	Length of time shut-in <u>9 days</u>	SI press. <u>2192</u> psig	Stabilized? (Yes or No) <u>Yes</u>

FLOW TEST NO. 1				
Commenced at (hour, date)* <u>10:30 AM</u> <u>7-13-59</u>		Zone producing (Upper <u>22-10000</u>):		
Time (hour, date)	Lapsed time since*	Pressure Upper Compl. Lower Compl.	Prod. Zone Temp.	Remarks
<u>12:00 Noon 7-13</u>	<u>1 1/2 hrs.</u>	<u>660</u> <u>2204</u>		<u>Flowed through 3/4" choke.</u>
<u>1:30 PM 7-13</u>	<u>5 hrs.</u>	<u>303</u> <u>2207</u>		<u>2 1/2 hours</u>
<u>9:00 AM 7-14</u>	<u>22 1/2 hrs.</u>	<u>153</u> <u>2207</u>		
<u>9:45 AM 7-14</u>	<u>23 1/2 hours</u>	<u>153</u> <u>2207</u>		
<u>10:30 AM 7-14</u>	<u>24 hrs.</u>	<u>152</u> <u>2207</u>		

Production rate during test
Oil: 175 BOPD based on 175 Bbls. in 24 Hrs. Grav. 30 GOR 1142
Gas: MCFPD; Tested thru (Orifice or Meter):

MID-TEST SHUT-IN PRESSURE DATA				
Upper Compl	Hour, date <u>10:30 AM</u>	Length of time shut-in <u>2 days</u>	SI press. <u>casing</u> <u>1192</u> psig	Stabilized? (Yes or No) <u>Yes</u>
Lower Compl	Hour, date <u>8:00 AM</u>	Length of time shut-in <u>12 days</u>	SI press. <u>2204</u> psig	Stabilized? (Yes or No) <u>Yes</u>

FLOW TEST NO. 2				
Commenced at (hour, date)** <u>10:45 AM</u> <u>7-16-59</u>		Zone producing (Upper or Lower):		
Time (hour, date)	Lapsed time since **	Pressure Upper Compl. Lower Compl.	Prod. Zone Temp.	Remarks
<u>11:00 AM 7-16</u>	<u>15 min.</u>	<u>1159</u> <u>227</u>		
<u>11:15 AM 7-16</u>	<u>30 min.</u>	<u>1163</u> <u>223</u>		
<u>11:30 AM 7-16</u>	<u>45 min.</u>	<u>1165</u> <u>223</u>		
<u>11:45 AM 7-16</u>	<u>1 hour</u>	<u>1165</u> <u>232</u>		
<u>12:45 PM 7-16</u>	<u>2 hours</u>	<u>1168</u> <u>68</u>		
<u>1:45 PM 7-16</u>	<u>3 hours</u>	<u>1170</u> <u>66</u>		

Production rate during test
Oil: 252 BOPD based on 252 Bbls. in 24 Hrs. Grav. 26.60 GOR
Gas: MCFPD; Tested thru (Orifice or Meter): 3/4" choke

REMARKS:

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

Approved: JA 21 1959 19
New Mexico Oil Conservation Commission
By John B. Chambers
Title District Engineer
Date July 17, 1959

BEFORE EXAMINER NUTTER

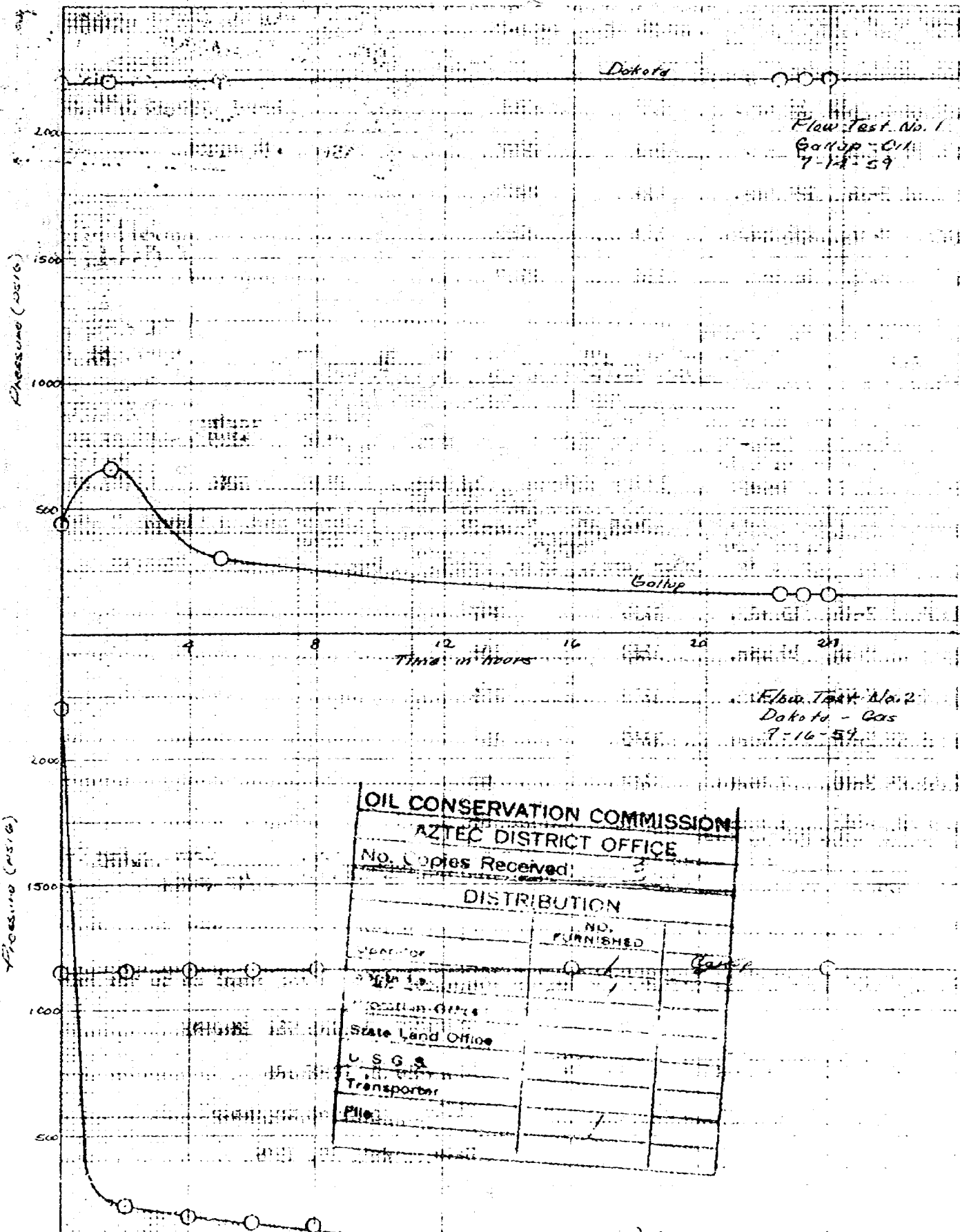
ILLEGIBLE

ANALYSIS OF THE RESULTS OF THE FLOW TESTS CONDUCTED AT THE AZTEC DISTRICT OFFICE, DAKOTA, ON THE 7-14-59.

THE FLOW TESTS WERE CONDUCTED ON THE 7-14-59 AT THE AZTEC DISTRICT OFFICE, DAKOTA, ON THE 7-14-59. THE RESULTS OF THE FLOW TESTS WERE AS FOLLOWS:

1. THE FLOW TEST NO. 1 WAS CONDUCTED ON THE 7-14-59 AT THE AZTEC DISTRICT OFFICE, DAKOTA, ON THE 7-14-59. THE RESULTS OF THE FLOW TEST NO. 1 WERE AS FOLLOWS:

2. THE FLOW TEST NO. 2 WAS CONDUCTED ON THE 7-14-59 AT THE AZTEC DISTRICT OFFICE, DAKOTA, ON THE 7-14-59. THE RESULTS OF THE FLOW TEST NO. 2 WERE AS FOLLOWS:



Box 426
Farmington, New Mexico
July 8, 1959

BEFORE EXAMINER NUTTER	
NEW MEXICO CONSERVATION COMMISSION	
EXHIBIT NO.	4
CASE NO.	1746

Mr. Emory G. Arnold
New Mexico Oil Conservation Commission
P. O. Box 697
Asteo, New Mexico

Dear Sir:

Commencing at 10:00 A.M., July 13, 1959, a packer leakage test will be taken on the Mexico-Ped "A" Well No. 1, which has been dually completed in the Dakota and Gallup formations.

This well is located in the NE/4 SE/4 of Section 10-24N-6W.

Yours very truly,

P. E. Cosper
District Superintendent

PEC:BAS:pt

cc: El Paso Natural Gas Co.
Box 997
Farmington, New Mexico

Mr. Mark Elkins
Box 177
Grants, New Mexico

Mr. Walter Famarise
Box 868
Hobbs, New Mexico

cc: Benson-Montin-Greer Bldg.
Petroleum Center Bldg.
Farmington, New Mexico

Mr. George Selinger
Box 1650
Tulsa 2, Oklahoma