

CASE 3418: Application of ASHMUN
& HILLIARD for a dual completion, _____
Lea County, New Mexico.

Case Number

3418

Application
Transcripts.

Small Exhibits

ETC.

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& HILLIARD for a dual completion, ———
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Application
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ETC.

State of New Mexico
Oil Conservation Commission



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

August 30, 1966

Re: Case No. 3418
Order No. R-3106
Applicant:

ASHMUN & HILLIARD

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

A. L. Porter, Jr.
A. L. PORTER, Jr.
Secretary-Director

Carbon copy of order 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. 3418
Order No. R-3106

APPLICATION OF ASHMUN & HILLIARD
FOR A DUAL COMPLETION, LRA COUNTY,
NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 29, 1966,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 30th day of August, 1966, 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, Ashmun & Hilliard, seeks authority
to complete its J. E. Stokes Well No. 1, located in Unit 4 of
section 26, Township 16 South, Range 28 East, BLM, LRA County,
New Mexico, as a dual completion (conventional) to produce oil
from the Sand Bar-Wolfcamp and lower San Juan formations
within the same parallel strings of perforations, of a combined
of about 2500 feet of approximately 10,000 feet.

(3) That the completion of this well is in the public interest
and is in accord with the conservation policy.

(4) That approval of this application is in the public
interest and is in accord with the conservation policy.

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CASE NO. 3415

Order No. R-3106

IT IS THEREFORE ORDERED:

(1) That the applicant, Ashmun & Hilliard, be hereby authorized to complete its J. E. Stokes Well No. 1, located in Unit G of Section 26, Township 16 South, Range 35 East, NMPM, Lea County, New Mexico, as a dual completion (conventional) to produce oil from the Shoe Bar-Wolfcamp and from the Shoe Bar-Pennsylvanian Pools through parallel strings of 2-inch tubing, with separation of zones by a packer set at approximately 10,450 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 packer-leakage tests upon completion and annually thereafter during the Annual Gas-Oil Ratio Test Period for the Shoe Bar-Pennsylvanian Pool.

(2) That this order shall become effective September 1, 1966.

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

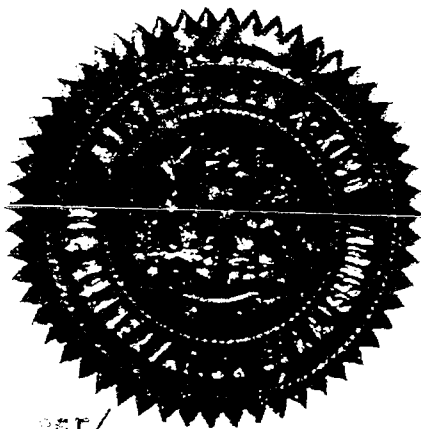
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

Jack M. Campbell
JACK M. CAMPBELL, Director

Guy L. B. Hayes
GUY L. B. HAYES, Secretary

W. H. ...
W. H. ...



ccr/

BEFORE THE
NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico
June 29, 1966

EXAMINER HEARING

IN THE MATTER OF:

Application of Ashmun & Hilliard for a
dual completion, Lea County, New
Mexico.

Case No. 3418

BEFORE: Daniel S. Nutter, Examiner.

TRANSCRIPT OF HEARING

dearnley-meier reporting service, inc.

SPECIALIZING IN: DEPOSITIONS, HEARINGS, STATEMENTS, EXPERT TESTIMONY, DAILY COPY, CONVENTIONS

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MR. NUTTER: The hearing will come to order, please. The first case on the docket this morning will be Case 3418.

MR. HATCH: Application of Ashmun & Hilliard for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the approval of the dual completion (conventional) of its J. E. Stokes Well No. 1, located in Unit G of Section 26, Township 16 South, Range 35 East, Lea County, New Mexico, to produce oil from the Wolfcamp and Pennsylvanian formations, Shoe Bar Field, through parallel strings of tubing.

MR. LOSEE: A. J. Losee, Artesia, New Mexico, appearing for applicants Ashmun and Hilliard. I have two witnesses.

MR. NUTTER: Have your witnesses stand to be sworn, please.

(Witnesses sworn.)

(Whereupon, Applicant's Exhibits 1 through 4 were marked for identification.)

TRACY CLARK

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

DIRECT EXAMINATION

BY MR. LOSEE:

Q Will you state your name, please?

A Tracy Clark.

Q Where do you live, Mr. Clark?

A Midland, Texas.

Q What is your occupation?

A Geologist, Ashmun and Hilliard.

Q Have you previously testified before the Commission as a geologist and had your qualifications accepted?

A Yes.

MR. LOSEE: Are the witness's qualifications acceptable?

MR. NUTTER: Yes, they are.

Q (By Mr. Losee) Please refer to what has been marked Exhibit 1 and explain what it portrays.

A This is a land map showing the ownership in the Shoe Bar-Pennsylvanian Field, Lea County, New Mexico, Township 16 South, Range 35 East. The well in question is located on the Northeast Quarter of Section 26, 16 South, 35 East, Ashmun-Hilliard No. 1 Stokes. We also have the Ashmun and Hilliard No. 1 Eidson, which is located in the Southeast Quarter of Section 26.

Q This map also shows the location of the offset wells in this field and the offset operators?

A Yes.

Q Mr. Clark, this is an application to dually complete this well in two reservoirs. Does the Commission presently prorate these two reservoirs in different fields or are they prorated under one pool designation?

A They're prorated in one pool designation, the Shoe Bar-Pennsylvanian.

Q Have you actually filed an application and the data with the Hobbs office of the Commission to create a new pool?

A Yes, we have, which will be known as the Shoe Bar-Wolfcamp Field, consisting of all of Section 26, 16 South, 35 East.

Q Now, referring back to Exhibit 1, how many wells in the field are producing from the Wolfcamp formation?

A Two wells at the present are producing from the Wolfcamp, the Ashmun-Hilliard No. 1 Stokes, located in the Southwest of the Northeast of 26, and the Ashmun and Hilliard No. 1 Eidson, located in the Northwest of the Southeast of Section 26.

Q How many wells are producing in the Pennsylvanian formation in the Shoe Bar-Pennsylvanian Field and where are they located on this map?

A Two wells, the Sinclair No. 3 Eidson "A", which is located in the Northwest of the Southwest, and the Sinclair No. 3 Eidson "C", located in the Southeast of the Northwest.

Q Now, those four wells you have just referred to are the only wells at present in this Shoe Bar-Pennsylvanian Field, are they not?

A Yes.

Q Please refer to what has been marked Exhibit 2, being a cross section of all of the wells in this field, and explain the exhibit.

A The line of cross section is shown on the land plat to the right, which is the same as the previous exhibit. The well on the left starting at the point "A" on the cross section, the well at the right being the point "B" on the cross section. This cross section portrays that the two pays which we are asking for dual completion on are distinct and separate pays and are separated by thick shale member which can be found throughout the field and definitely shows up on this cross section.

This cross section has no reference to structure, it's merely shown on a correlation point, the point being that we want to show that this shale member does exist in every one of these wells between the upper line, the Wolfcamp pay and the lower line, the Penn pay.

Q Referring to your log on the Eidson No. 1, can you give us the approximate footage depths at which this shale member appears?

A On the Eidson No. 1 well, which is the right-hand log on the cross section, the shale appears in approximately 10,300 to 10,370.

Q And that shale member is shown as being present in the logs on all of these four wells?

A Yes, sir.

Q Referring back to your map on your cross section, explain approximately the development in this field as to when the wells were completed and production history?

A Originally the field was discovered by Western Natural Gas, now Sinclair, when they completed the No. 1 Eidson as the Devonian well in early '53, this well being in the Northeast of the Northeast of Section 35. Subsequently the wells were drilled to the Devonian objective with approximately five completions being originally made out of the Devonian and one well being completed out of the Pennsylvanian section, which is located in the Northeast of the Southeast of Section 35. This well is since depleted.

No other production came from the Pennsylvanian until early 1960 when Sinclair plugged back and recompleted the No. 3 "A" Eidson in the Pennsylvanian section, perforated sections, which is shown on the left-hand log in this cross section. They had drillstem tested this section, on the way down it flowed oil, and since its completion in early 1960 this well

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has accumulated approximately 270,000 barrels of oil.

MR. NUTTER: From the Penn?

A From the Penn, yes, sir. Ashmun and Hilliard drilled the No. 1 Eidson and completed it in the latter part of '65, this well being located in the Northwest of the Southeast of Section 26, and the completed section is shown on the cross section on the right-hand log.

The next development was the Sinclair Oil and Gas Company Eidson C "WN" No. 3 drilled in the Southeast of the Northwest. This well was completed in February of '66, completed from open hole as shown by the log second from the left of the cross section. Note that both of these logs, the Lane-Wells logs are on this well.

Q That well is presently completed only in the Pennsylvanian?

A That's correct. Shortly thereafter Ashmun-Hilliard completed the No. 1 Stokes. We completed it early this month and had filed for an allowable from the Wolfcamp section until such time as we can receive authority to produce from both the Wolfcamp and the Pennsylvanian.

Q Now, Mr. Clark, you mentioned that the field was discovered by these wells to the south, the pay being the Wolfcamp; are any of them producing now from the Wolfcamp,

Western Natural and now Sinclair's wells down in Section 35?

A To my knowledge, no.

Q Please refer to your log on your J. E. Stokes well marked Exhibit 3. Explain what it portrays.

A This is also one of the exhibits that was filed with our dual completion application. It shows all the logs that we ran through the open hole section above the Pennsylvanian pay. We logged this at total depth of 10,490. We have an induction electrical log on the left, sonic gamma ray in the center and microlog on the right, the 10,478 to 90. Actually the porosity and permeability is in the bottom two feet of the hole. We couldn't log it even if we wanted to because it's too near the proximity of the bottom of the hole.

We knew that we had very little section left above water here, so we set our five and a half at 10,478 after we ran logs, and on two successive occasions drilled one foot at a time with tubing, acidized, found that we had no permeability in the reservoir on both these occasions, and the last time we drilled three feet, the last two of which were porous and permeable and we stimulated that and made a flowing completion.

We made an attempt to complete the well from 10,368 to 372, found that this section was highly impermeable and the fluid that it did give up was a preponderance of water; squeezed these perforations with 50 sacks, came back up and

perforated the Wolfcamp at 282 to 288, and after 500 gallons of mud acid made a flowing completion here.

Q What did you complete the well in the Wolfcamp for?

A It was completed for initial potential of 208 barrels of oil per day.

Q What about the Pennsylvanian?

A It was completed for a flowing potential of 175 barrels of oil per day plus seven percent water.

Q Have you compared the samples on the Wolfcamp section on your J. E. Stokes No. 1 and your No. 1 Eidson?

A Yes. They are very similar in lithology.

Q In your opinion are these two pay sections which you have called in your application the Wolfcamp and the Pennsylvanian, two separate and distinct reservoirs?

A Yes. I think very much that they are separate and distinct reservoirs, based on geological correlation and other information which will be subsequently shown.

MR. LOSEE: I think that's all I have of Mr. Clark.

CROSS EXAMINATION

BY MR. NUTTER:

Q Mr. Clark, you stated that the Commission is presently prorating all of these in one reservoir?

A That is correct.

Q What is the name of the reservoir, Shoe Bar-Penn?

A Shoe Bar-Pennsylvanian.

Q Although we have Wolfcamp formation here, they have continued to call it the Pennsylvanian?

A Yes.

Q Referring to your Exhibit No. 1, the well symbols shown with the circle around it are Devonian wells?

A That is correct.

Q This one well, Sinclair "A" No. 3, has been plugged back from the Devonian and is now a Pennsylvanian?

A Pennsylvanian well.

Q And then their "C" No. 3 is also a Pennsylvanian?

A Correct.

Q And your two wells are Pennsylvanian and Wolfcamp?

A J. E. Stokes is Pennsylvanian-Wolfcamp, the Ashmun-Hilliard No. 1 Eidson is Wolfcamp. We failed to make a completion in the Pennsylvanian.

Q Is any well in this pool, either yours or Sinclair's wells, completed with a single completion with the perforation open in both the Wolfcamp and Pennsylvanian?

A No, sir, not to my knowledge.

Q So there shouldn't be any problem if this should be created as two pools? You have only one well with a dual completion between the two and it's equipped as a dual?

A Yes, sir.

Q Now, oftentimes, Mr. Clark, there appears to be in Southeast New Mexico a rather twilight zone in which it's impossible to tell where the Wolfcamp leaves off and the Pennsylvanian takes up. You feel that with the shale break you have a definite separation between these two?

A Yes, I do, very much so.

Q More than you do in some of the other pools in Southeast New Mexico?

A Yes, sir.

MR. NUTTER: Are there any other questions of Mr. Clark? He may be excused.

(Witness excused.)

JIM WEST

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

DIRECT EXAMINATION

BY MR. LOSEE:

Q Will you state your name, please?

A Jim West.

Q Where do you live, Mr. West?

A Midland, Texas.

Q What is your occupation?

A Drilling Production Superintendent for Ashmun-Hilliard Oil Company.



Q How long have you been so employed by Ashmun-Hilliard?

A Nine years.

Q In this capacity?

A Yes.

Q Prior to that time what experience, if any, did you have in the oil fields?

A Five years before I worked for Bob White Well Service pushing tools and working on workovers; four years before that I worked for C. V. Wash Pump Service.

Q Now, between the time you worked for Bob White and C. V. Wash Well Service, did you work for Gulf?

A I was six months in Venezuela looking after work-over barges for them.

Q Your collective experience in the oil field between all of these occupations has been about two years?

A That is right.

Q During that time have you attended some completion schools that Halliburton has conducted?

A Various times, yes.

MR. LOSEE: Are Mr. West's qualifications acceptable?

MR. NUTTER: Yes, they are.

Q (By Mr. Losee) Please refer to what has been marked as Exhibit 4, which is a diagrammatic sketch of the



proposed dual completion, and explain what is shown on this sketch.

A Starting from the bottom of the hole I set a Baker Model D packer at 10,450, which I ran my long string of tubing to the Pennsylvanian pay, which is completed in the open hole with seal assembly on it in order to bring the Pennsylvanian through tubing to the surface. I also set a Baker Model K2 packer at 10,200. By doing this I was able to, will be able to seal off the Wolfcamp zone at 10,282 to 88 from any leakage or anything from there to surface. I ran a second string of tubing sealing into my Baker Model K2 packer, and at this time will bring the Wolfcamp zone through this second string of tubing.

Q Now, your five and a half inch casing has been cemented with what quantities of cement?

A It was cemented with 200 sacks of 50-50 posmix Incon, 100 sacks of regular neat. The top of the cement by temperature survey is 8850.

Q Now, have you had packer leakage tests run on this well?

A Yes, and all originals are in the Hobbs office.

Q Who were these leakage tests run by?

A They were run by Coleman Engineering of Hobbs.

Q They were run actually the early part of June?

A Yes.

Q Now, do these leakage tests show anything which indicates that you are dealing with two separate reservoirs?

A By pressures and also Coleman Engineering ran the gravities and GOR's.

Q What were the GOR's on the lower formation of the Pennsylvanian?

A I believe it was 1800.

Q Why don't you refer to your notes?

A On the lower it was 1800 to one, gravity was 34.4.

Q Now, what about the upper?

A The GOR was 1238, gravity was 36.9.

Q In your opinion will this proposed completion permit the well to be produced in such a manner that the oil from the separate zones will not be commingled?

A Yes.

MR. LOSEE: At this time we would offer Exhibits 1 through 4.

MR. NUTTER: Applicant's Exhibits 1 through 4 will be admitted in evidence.

(Whereupon, Applicant's Exhibits 1 through 4 were offered and admitted in evidence.)

Q (By Mr. Losee) Did you notify, or an employee of



Ashmun and Hilliard notify the offset operators of this application?

A Yes, they have been notified.

Q With the exception of Shell, they have all consented to this dual completion?

A That is correct.

Q Shell, in their letter to you dated June 24, 1966, stated they cannot waive objection to the dual completion of the well in two zones which are prorated in the same pool?

A That is correct.

MR. LOSEE: We will offer these as Exhibit 5.

MR. NUTTER: Those are the letters from the collective operators as one exhibit?

MR. LOSEE: Yes.

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

MR. NUTTER: They will be admitted as an exhibit.

(Whereupon, Applicant's Exhibit No. 5 was offered and admitted in evidence.)

CROSS EXAMINATION

BY MR. NUTTER:

Q What was the bottomhole pressure on each of these two zones, Mr. West?

A The lower zone, Mr. Nutter, was 3,002, which is

the Pennsylvanian; the Wolfcamp is 3,339.

Q And both of these strings of tubing are two-inch tubing strings?

A Yes, sir, Mr. Nutter.

MR. NUTTER: Are there any other questions of Mr. West? He may be excused.

(Witness excused.)

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

MR. LOSEE: No, sir.

MR. NUTTER: Mr. Hatch.

MR. HATCH: I have a letter from Shell Oil Company dated June 24th, 1966, New Mexico Oil Conservation Commission, "Gentlemen, Attached is a copy of our reply to Ashmun and Hilliard's request for a letter of waiver of objection to dual completion of their Stokes No. 1, Shoe Bar Field, Lea County, New Mexico. The hearing for dual completion is scheduled for June 29, 1966, Case No. 3418. Signed J. E. R. Sheiler, Division Production Manager." A copy of the letter was sent to Ashmun and Hilliard. "Gentlemen, We are returning unsigned your requested letter of waiver for dual completion of Ashmun and Hilliard's Stokes No. 1. The New Mexico Oil Conservation Commission has considered the two zones of proposed completion in Stokes 1 as one pool. We cannot waive

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objection to dual completion of a well in two zones which are prorated in the same pool. Yours very truly, J. E. R. Sheiler, Division Production Manager."

MR. NUTTER: As I understand, an application has been filed with the Hobbs office to create this other pool in the normal nomenclature manner?

MR. LOSSEE: Yes.

MR. NUTTER: If there is nothing further in Case 3418 we will take the case under advisement.

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I N D E X

WITNESS

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Cross Examination by Mr. Nutter

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JIM WEST

Direct Examination by Mr. Losee

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EXHIBIT

MARKED

OFFERED AND
ADMITTED

Applicant's 1 through 4 2

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Applicant's 5 15

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STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) SS

I, ADA DEARNLEY, 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 5th day of July, 1966.

NOTARY PUBLIC

My Commission Expires:

June 19, 1967.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examining Hearing of Case No. 3418 heard by me on 6/29, 1966.

[Signature] Examiner
New Mexico Oil Conservation Commission

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 8-19-66

CASE

3418

Hearing Date 9 am 8/29/66

My recommendations for an order in the above numbered cases are as follows: DSN (A) SF

Enter an order approving
the dual completion of
Ashmun & Billiards JE Stokes
No 1 in G-26-165-35E to produce
oil from the Shoe Bar Wellcamp
and Shoe Bar Penn Pools three
parallel strings of 469 ^{wt} separation
by means of a packer set @
11450'.

Make order effective September 1,
1966, which is the ^{effective} date of
separation of the pools and
creation of the Wellcamp pool.

[Signature]



SHELL OIL COMPANY

WESTERN DIVISION
P. O. BOX 1509
MIDLAND, TEXAS 79701

June 24, 1966

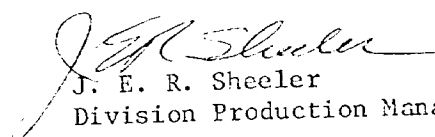
Subject: Case No. 3418
Application for Dual Completion
Ashmun & Hilliard Stokes 1
Section 26, T-16S, R-35-E
Shoe Bar Penn Field
Lea County, New Mexico

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

Gentlemen:

Attached is a copy of our reply to Ashmun and Hilliard's request for a Letter of Waiver of objection to dual completion of their Stokes 1, Shoe Bar Penn Field, Lea County, New Mexico. The hearing for dual completion is scheduled for June 29, 1966, Case No. 3418.

Yours very truly,


J. E. R. Sheeler
Division Production Manager

MAIL SERVICE UNIT

'66 JUN 27 AM 7 42



SHELL OIL COMPANY

WESTERN DIVISION
P. O. BOX 1509
MIDLAND, TEXAS 79701

June 24, 1966

Subject: Ashmun & Hilliard Stokes 1
Shoe Bar Penn Field
Lea County, New Mexico

Ashmun & Hilliard
710 Vaughn Building
Midland, Texas

Gentlemen:

We are returning unsigned your requested Letter of Waiver for dual completion of Ashmun & Hilliard Stokes 1. The New Mexico Oil Conservation Commission has considered the two zones of proposed completion in Stokes 1 as one pool. We cannot waive objection to the dual completion of a well in two zones which are prorated in the same pool.

Yours very truly,

ORIGINAL SIGNED
By J. E. R. SHEELER

J. E. R. Sheeler
Division Production Manager

CRG:GCC

Docket No. 16-66

DOCKET: EXAMINER HEARING - WEDNESDAY - JUNE 29, 1966

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 3418: Application of Ashmun & Hilliard for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the approval of the dual completion (conventional) of its J. E. Stokes Well No. 1, located in Unit G of Section 26, Township 16 South, Range 35 East, Lea County, New Mexico, to produce oil from the Wolfcamp and Pennsylvanian formations, Shoe Bar Field, through parallel strings of tubing.
- CASE 3419: Application of B. M. Jackson 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 Queen formation through one well located in Unit H of Section 4, Township 15 South, Range 32 East, Pearsall Queen Pool, Lea County, New Mexico.
- CASE 3420: Application of Standard Oil Company of Texas for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to drill a well at an unorthodox location 1650 feet from the North line and 990 feet from the East line of Section 15, Township 18 South, Range 26 East, Atoka-Pennsylvanian Gas Pool, Eddy County, New Mexico.
- CASE 3421: Application of Hanson Oil Company for an exception to Commission Order No. R-111-A, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the potash-oil area casing and cementing rules as set forth in Commission Order No. R-111-A. Applicant proposes to drill and complete a well in Unit G of Section 21, Township 20 South, Range 34 East, Middle Lynch Yates Pool, Lea County, New Mexico, and to drill, case, and cement said well as follows:
- Drill to 65 feet and circulate cement on 13 3/8-inch casing; deepen to 800 feet and mud-in 10 3/4-inch casing; deepen to 1600 feet and mud-in 8 5/8-inch casing; drill into the Seven Rivers formation and tack 5 1/2-inch casing with at least 25 sacks of cement; drill into and test the Seven Rivers pay. If production is obtained, pull the 10 3/4-inch and 8 5/8-inch casing and cement 5 1/2-inch casing to surface. (Note: All depths are approximate.) The well would be plugged and abandoned in accordance with Commission Order No. R-111-A.
- CASE 3422: Application of Pan American Petroleum Corporation for creation of a new pool, special pool rules and four non-standard proration units, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the creation of a new oil pool for Gallup production discovered by its Gallegos Canyon Unit Well No. 250 located in Unit N of Section 14, Township 28 North,

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June 29, 1966, Examiner Hearing

CASE 3422 Continued:

Range 12 West, San Juan County, New Mexico, and for the promulgation of special pool rules therefor, including a provision for 160-acre proration units and specified well locations. Applicant further seeks the approval of four non-standard proration units as follows in Township 28 North, Range 12 West:

A 164.44-acre unit comprising lots 2, 3, and 4 and the S/2 SW/4 of Section 9;

A 176.14-acre unit comprising lot 1 and the S/2 SE/4 of Section 9 and lot 4 and the SW/4 SW/4 of Section 10;

A 163.29-acre unit comprising lots 1, 2, and 3 and the SW/4 SE/4 and SE/4 SW/4 of Section 10;

A 175.14-acre unit comprising the SE/4 SE/4 of Section 10 and the S/2 SW/4 and lots 3 and 4 of Section 11.

CASE 3423: 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 in the Seven Rivers Reef formation, Scarborough Yates-Seven Rivers Pool through the open hole interval from 3029 to 3080 feet in its C. M. Farnsworth "B" Well No. 9, located in Unit N of Section 7, Township 26 South, Range 37 East, Lea County, New Mexico.

A. J. LOSEE
EDWARD B. STEWART

LAW OFFICES
LOSEE AND STEWART
CARPER BUILDING - P. O. DRAWER 239
ARTESIA, NEW MEXICO 88210

AREA CODE 505
746-3508

13 June 1966

Case 3418

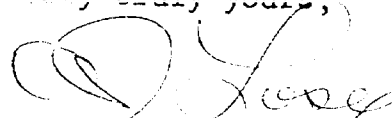
Mr. A. L. Porter, Jr.
Secretary-Director
New Mexico Oil Conservation Commission
P. O. Box 2088
Santa Fe, New Mexico

Dear Mr. Porter:

Enclosed herewith you will please find triplicate copies of Application of Ashmun & Hilliard for the conventional dual completion of its J. E. Stokes Well No. 1 in the Shoe Bar - Pennsylvanian Field, Lea County, New Mexico, together with like copies of the Diagrammatic Sketch, Plat and Electric Log.

We understand that this case will be heard by the Examiner on June 29, 1966.

Very truly yours,


A. J. Losee

Enclosures
AJL:rh

cc: Mr. Tracy P. Clark
Ashmun & Hilliard

DOCKET MAILED

Date

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name Shoe Bar - Penn		County Lea	Date May 23, 1966
Operator Ashmun & Hilliard		Lease J. E. Stokes et al	Well No. 1
Location of Well	Unit G	Section 26	Township 16 S
		Range 35 E	

1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in the same zones within one mile of the subject well? YES ☐ NO ☒
2. If answer is yes, identify one such instance: Order No. _____; Operator, Lease, and Well No.:

3. The following facts are submitted:	Upper Zone	Lower Zone
a. Name of reservoir	Wolfcamp	Pennsylvanian
b. Top and Bottom of Pay Section (Perforations)	10,282 - 10,288	Open Hole 10,478 - 10,490
c. Type of production (Oil or Gas)	Oil	Oil
d. Method of Production (Flowing or Artificial Lift)	Flowing	Flowing

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

- Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, perforated intervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and such other information as may be pertinent.
- Yes b. Plat showing the location of all wells on applicant's lease, all offset wells on offset leases, and the names and addresses of operators of all leases offsetting applicant's lease.
- Yes c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators have been furnished copies of the application.*
- Yes d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation indicated thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.)

5. List all offset operators to the lease on which this well is located together with their correct mailing address.

Sinclair Oil & Gas Co., P. O. Box 1470, Midland, Texas

Shell Oil Co., P. O. Box 1509, Midland, Texas

Delaware Apache Corporation, 2000 Wilco Bldg., Midland, Texas

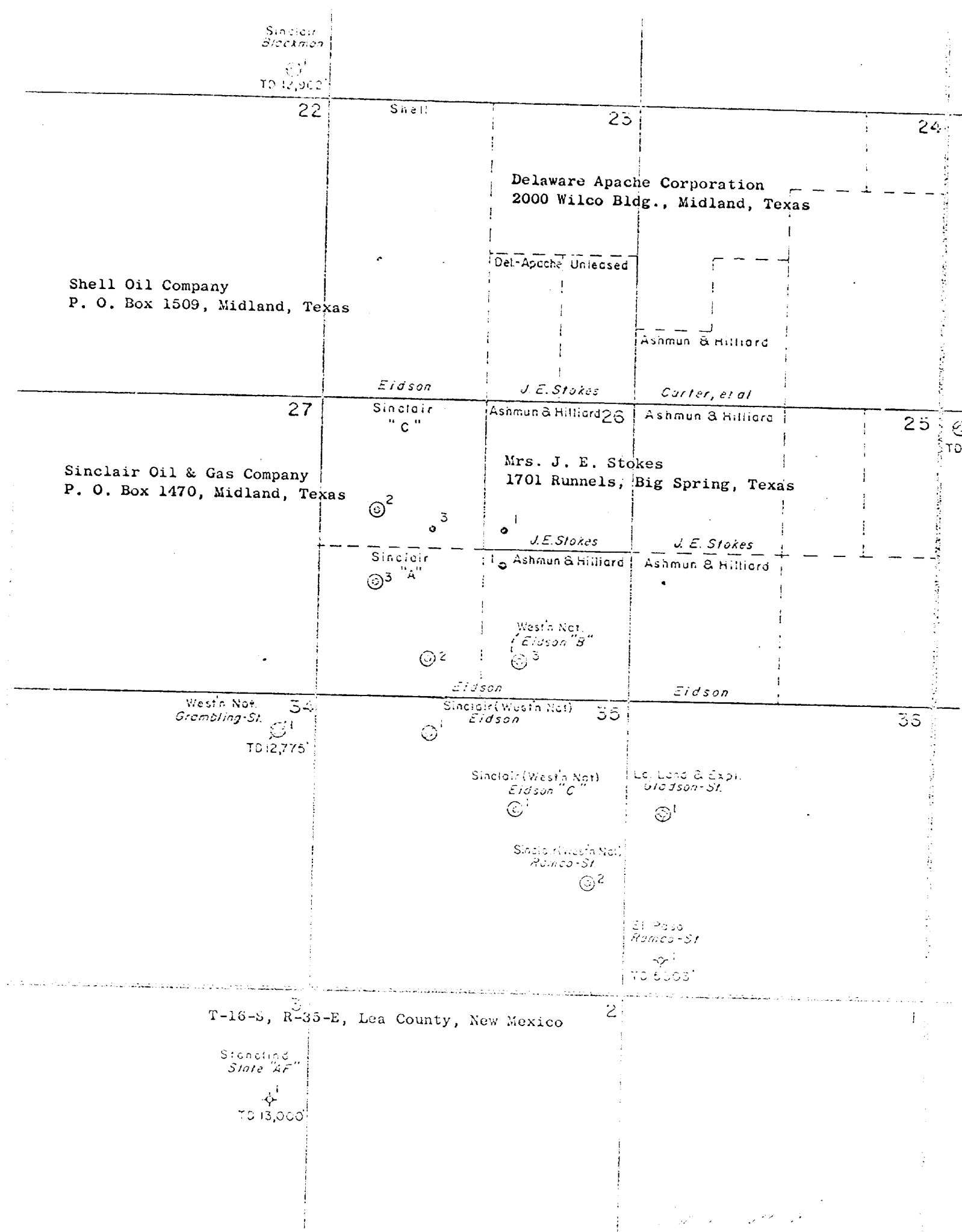
Mrs. J. E. Stokes, 1701 Runnels, Big Spring, Texas

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES ☒ NO ☐ . If answer is yes, give date of such notification May 23, 1966

CERTIFICATE: I, the undersigned, state that I am the Agent of the Ashmun & Hilliard (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.

Frank P. Clark
Signature

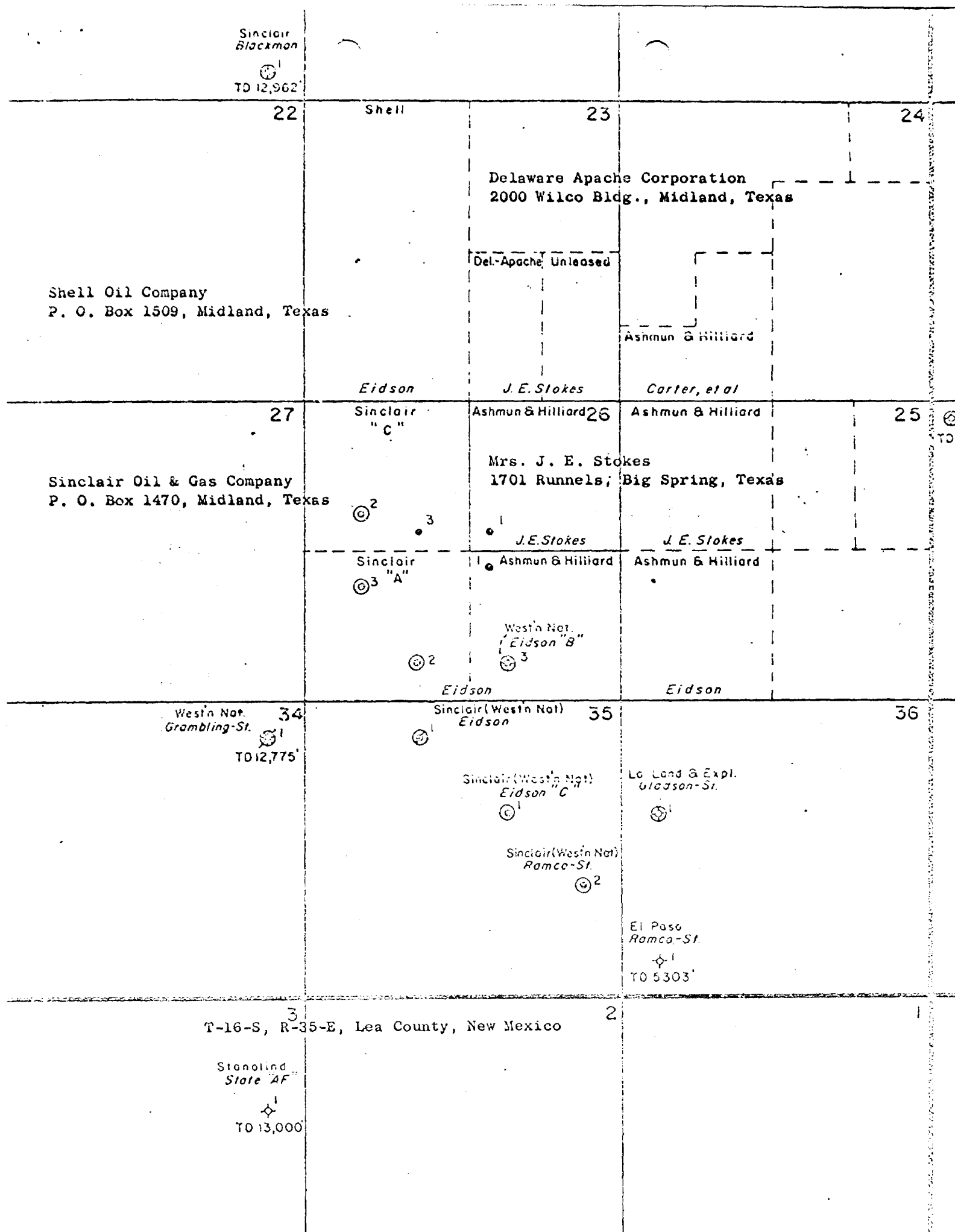
- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest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



T-16-S, R-35-E, Lea County, New Mexico

Standard
State "A"

TO 13,000'



BEFORE EXAMINER NUTTER
OIL CONSERVATION COMMISSION
Aggel EXHIBIT NO. 1
CASE NO. 3418

ASHMUN & HILLIARD

No. 1 J. E. Stokes et al

1980' FNL & 2310' FEL, Section 26, T-16-S, R-35-E, Lea County, New Mexico

All tubing 2" OD
Casing - 5 1/2", 17#

Rotary Drive Measurement 12'
above ground.

Total joints tubing in long string

333. 10,450'.
2 - 2" X 10' subs
1 - 2" X 4' sub
1 - 2" X 2' sub

269 jts 2" tubing
2 - 2" X 10' subs
1 - 2" X 4' sub
1 - 2" X 2' sub

326 jts 2" tubing 10,170'
1 - 2" X 8' sub
1 - 2" X 2' sub

5 1/2" casing cemented with 200
sx 50-50 posmix Incor and 100
sx neat. Top of cement by
temperature survey 8850 feet.

Seating nipple 1.10'
Set at 8,440'

56 jts 2" tubing
1,752'

Seating nipple 1.10'
Set at 10,200'

Baker Model K2
8.35' Double grip
snap set dual packer
set at 10,200'

Baker Model S Parallel
Snap latch seal 6'

8 jts 2" tubing
250.16'

Perfs 10,282-88'
w/4 shots per ft.

64 jts 2" tubing
2,010.51'

Baker Model D
Locator Seal 2.80'

Baker Model D Packer
Set at 10,450'

Baker Production tubing
7.80'

5 1/2" set at 10,478'

Open hole
TD 10,490'

BEFORE E. WAINES KUTTER
OF COMMISSION
EXHIBIT NO. 11
C.A. NO. 1

June 8, 1966

JUN 10 1966

Ashmun & Hilliard
710 Vaughn Building
Midland, Texas

Re: Ashmun & Hilliard, No. 1 J. E. Stokes
Section 26, T-16-S, R-35-E, Lea County,
New Mexico

Gentlemen:

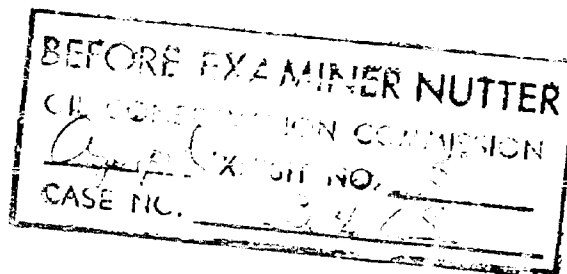
We waive objection to dually completing the above captioned well from
the Wolfcamp formation in the intervals 10,282 288 and 10,478-490.

Very truly yours,

DELAWARE APACHE CORPORATION

By

John H. Black



June 8, 1966

Ashmun & Hilliard
710 Vaughn Building
Midland, Texas

Re: Ashmun & Hilliard, No. 1 J. E. Stokes
Section 26, T-16-S, R-35-E, Lea County,
New Mexico

Gentlemen:

I waive objection to dually completing the above captioned well from
the Wolfcamp formation in the intervals 10,282-288 and 10,478-490.

Very truly yours,

MRS. J. E. STOKES

By Mary J. E. Stokes



SINCLAIR OIL & GAS COMPANY

P. O. Box 1470
MIDLAND, TEXAS 79701

June 10, 1966

WEST TEXAS REGION

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

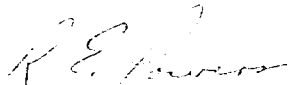
Attention: Mr. A. L. Porter, Jr.

Gentlemen:

We have been advised by Ashmun & Hilliard that they have made application to dual complete their J. E. Stokes Well #1 in the Wolfcamp and Pennsylvanian reservoirs in the Shoe Bar Pool Area, Lea County, New Mexico. We understand that this well is located in Unit G, Section 26, T-16-S, R-35-E.

Sinclair Oil & Gas Company, as offset operator, has no objection to the dual completion of the above described well and hereby waives its right to notice and hearing on same.

Yours very truly,


R. E. Powers
Engineering Supervisor

RMA/ar

Original & 2 cc's:
Ashmun & Hilliard
710 Vaughn Building
Midland, Texas

RMA, File



SHELL OIL COMPANY

WESTERN DIVISION
P. O. BOX 1509
MIDLAND, TEXAS 79701

June 24, 1966

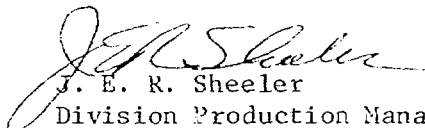
Subject: Ashmun & Hilliard Stokes 1
Shoe Bar Penn Field
Lea County, New Mexico

Ashmun & Hilliard
710 Vaughn Building
Midland, Texas

Gentlemen:

We are returning unsigned your requested Letter of Waiver for dual completion of Ashmun & Hilliard Stokes 1. The New Mexico Oil Conservation Commission has considered the two zones of proposed completion in Stokes 1 as one pool. We cannot waive objection to the dual completion of a well in two zones which are prorated in the same pool.

Yours very truly,


J. E. R. Sheeler
Division Production Manager

HTH	<input type="checkbox"/>	TC	<input type="checkbox"/>
JW	<input type="checkbox"/>	BN	<input type="checkbox"/>

June 8, 1966

Ashmun & Hilliard
710 Vaughn Building
Midland, Texas

Re: Ashmun & Hilliard, No. 1 J. E. Stokes
Section 26, T-16-S, R-35-E, Lea County,
New Mexico

Gentlemen:

We waive objection to dually completing the above captioned well from
the Wolfcamp formation in the intervals 10,282-288 and 10,478-490.

Very truly yours,

SHELL OIL COMPANY

By _____