

Case No.

1731

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. 1731
Order No. R-1463

APPLICATION OF SUNRAY MID-
CONTINENT OIL COMPANY FOR AN
OIL-OIL DUAL COMPLETION IN
THE PADDOCK POOL AND IN THE
DRINKARD POOL, LEA COUNTY,
NEW MEXICO

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on August 5, 1959, at Santa Fe, New Mexico, before Elvis A. Utz, Examiner duly appointed by the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission," in accordance with Rule 1214 of the Commission Rules and Regulations.

NOW, on this 11th day of August, 1959, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Elvis A. Utz, and being fully advised in the premises,

FINDS:

(1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the applicant, Sunray Mid-Continent Oil Company, is the operator of the D. Hardy Well No. 2, located 1980 feet from the North line and 1980 feet from the East line of Section 29, Township 21 South, Range 37 East, N&PM, Lea County, New Mexico.

(3) That the applicant proposes to dually complete the above-described D. Hardy Well No. 2 in such a manner as to permit the production of oil from the Paddock Pool and the production of oil from the Drinkard Pool through parallel strings of 2-3/8 inch tubing.

(4) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.

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

-2-

Case No. 1731
Order No. R-1463

IT IS THEREFORE ORDERED:

That the applicant be and the same is hereby authorized to dually complete the D. Hardy Well No. 2, located 1980 feet from the North line and 1980 feet from the East line of Section 29, Township 21 South, Range 37 East, NMPM, Lea County, New Mexico, in such a manner as to permit the production of oil from the Paddock Pool and the production of oil from the Drinkard Pool through parallel strings of 2-3/8 inch tubing.

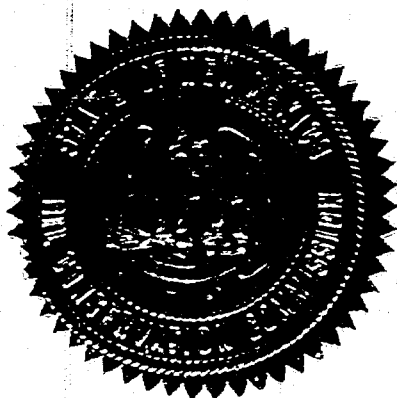
PROVIDED HOWEVER, That applicant shall complete, operate, and produce said well in accordance with the provisions of Section V, Rule 112-A.

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

IT IS FURTHER ORDERED:

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

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



STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

John Burroughs
JOHN BURROUGHS, Chairman

Murray E. Morgan
MURRAY E. MORGAN, Member

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

vem/

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

August 11, 1959

Mr. Charlie White
P. O. Box 787
Santa Fe, New Mexico

Dear Mr. White:

On behalf of your client, Sunray Mid-Continent Oil Company, we enclose two copies of Order No. R-1463 issued by the Oil Conservation Commission on August 11, 1959 in Case No. 1731.

Very truly yours,

A. L. PORTER, Jr.
Secretary-Director

lr/

Enclosures

*Copies sent to
Bill Loan
Holt's Office*

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 8-5-59

CASE NO. 1731

HEARING DATE 8-5-59

My recommendations for an order in the above numbered case(s) are as follows:

1. Grant Scuray's request for a dual completions ~~in the~~ for their D. Hardy #2. The upper completion is a Paddock ^{oil} pool completion. The lower completion is a Drinkard ~~completion~~ oil well.
2. Parallel strings of 2 3/8 EUE will be used.
3. The zones will be separated by a permanent type packer.
4. Usual dual order.

Ernest A. Kelly

Staff Member

PLAT

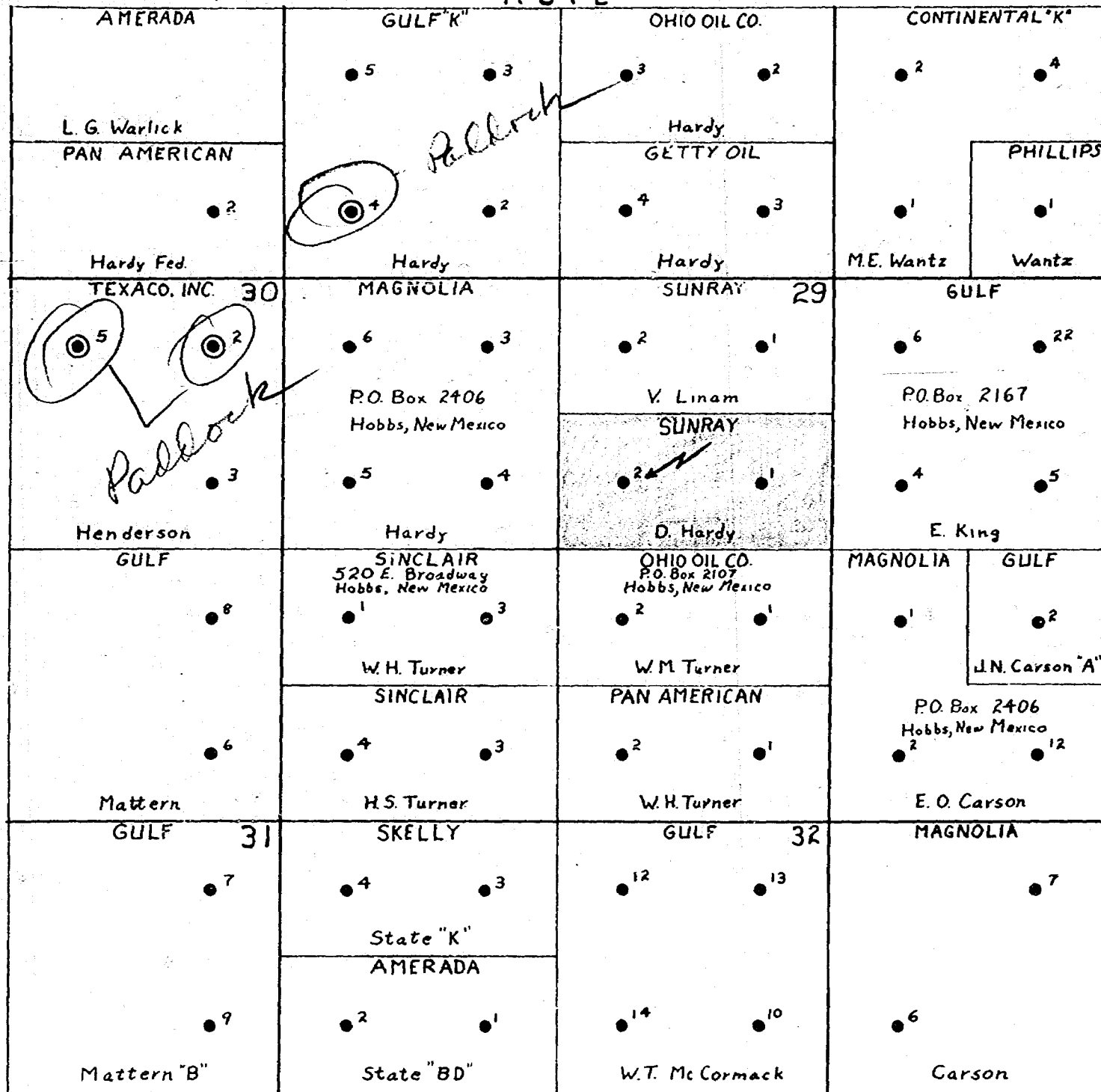
SHOWING DRINKARD AND PADDOCK WELLS IN VICINITY OF
SUNRAY MID-CONTINENT OIL COMPANY - D. HARDY LEASE
LEA COUNTY, NEW MEXICO

DRINKARD OIL WELL
PADDOCK OIL WELLS

SUNRAY MID-CONTINENT OIL COMPANY

EXHIBIT NO. 1 CASE NO. 1731

R 37 E



Scale 1" = 1320'

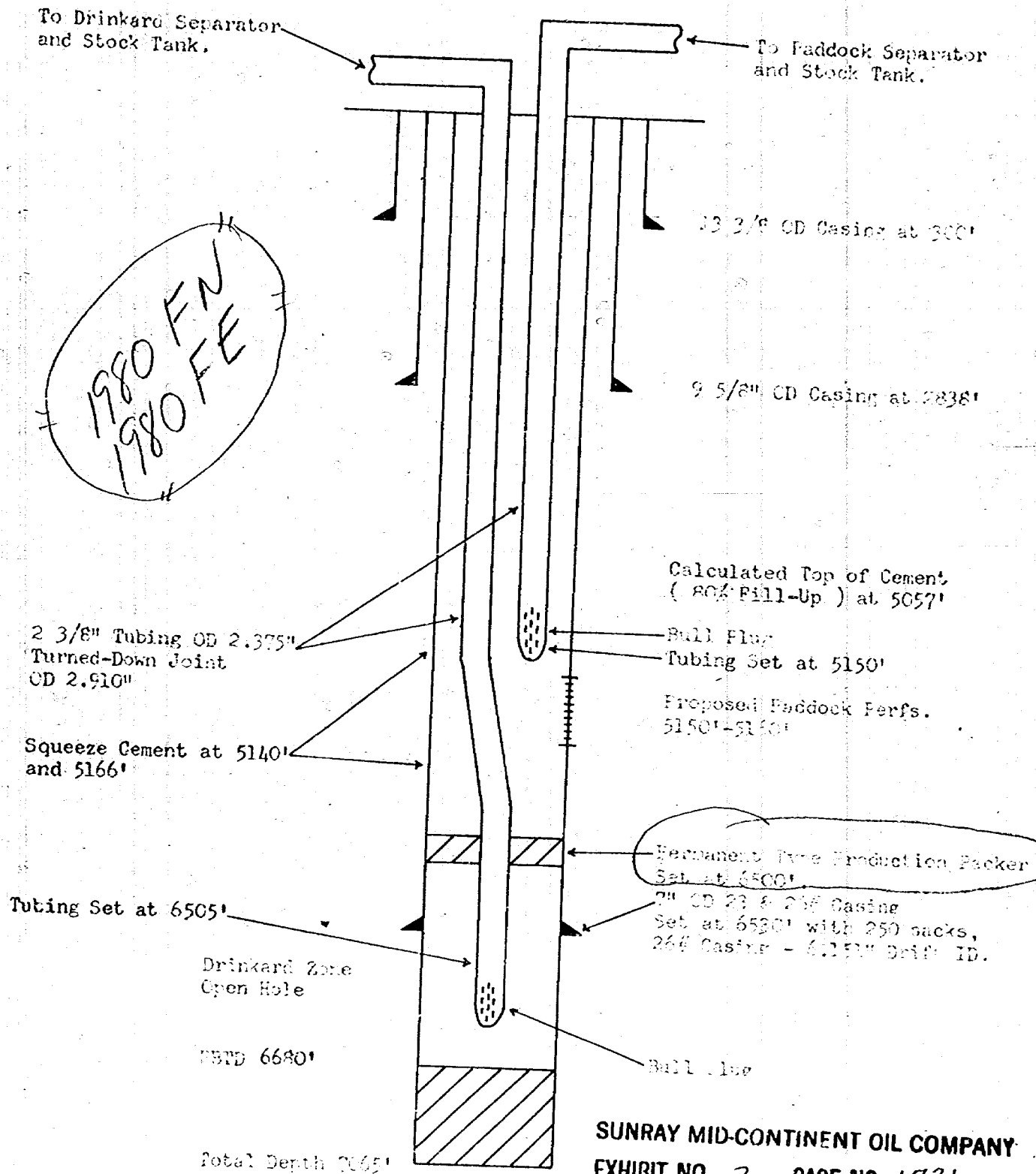
J. J. Northcutt 7-8-1959

TRIS

DUAL COMPLETION

DRINKARD AND PADDOCK ZONES - LEA COUNTY, NEW MEXICO

SUNRAY MID-CONTINENT OIL COMPANY - D. HARDY WELL #2



BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

IN THE MATTER OF:
CASE 1731

TRANSCRIPT OF HEARING

AUGUST 5, 1999

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

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
AUGUST 5, 1959

2

IN THE MATTER OF:

CASE 1731 Application of Sunray Mid-Continent Oil Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its D. Hardy Well No. 2, located 1980 feet from the North and East lines of Section 29, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Paddock Pool and the production of oil from the Drinkard Pool through parallel strings of tubing.

BEFORE:

Elvis A. Utz, 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. UTZ: Next case on the docket will be Case 1731.

MR. PAYNE: Case 1731. Application of Sunray Mid-Continent Oil Company for an oil-oil dual completion.

MR. WHITE: If the Examiner please, Charles White of Gilbert, White & Gilbert, Santa Fe, New Mexico, appearing on behalf of the applicant. I have associated with me Mr. Bill Loar, attorney from Tulsa, Oklahoma.

MR. LOAR: If the Examiner please, we will have one witness, Mr. James Northcutt.

DEARNLEY, MEIER & ASSOCIATES
INCORPORATED
GENERAL LAW REPORTERS
ALBUQUERQUE, NEW MEXICO
3-6691 5-9546

(Witness sworn)

MR. UTZ: Any other appearances in this case?

JAMES J. NORTHCUTT,

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

DIRECT EXAMINATION

BY MR. LOAR:

Q Will you please state your name and occupation?

A James J. Northcutt, petroleum engineer, Sunray Mid-Continent Oil Company, Hobbs, New Mexico.

Q Have you testified before the New Mexico Oil Conservation Commission as a petroleum engineer previously?

A No, sir.

Q Would you briefly state your educational, professional experience?

A I have a B.S. degree and M.S. degree in petroleum engineering from the University of Oklahoma; approximately two years experience.

MR. LOAR: Are his qualifications acceptable?

MR. UTZ: Yes, sir, they are. Proceed.

Q (By Mr. Loar) This is the application of Sunray Mid-Continent Oil Company for an order permitting the oil completion of its D. Hardy No. 2 as an oil well in the Drinkard Pool and an oil well in the Paddock Pool in Lea County, New Mexico.

(Thereupon, Sunray Mid-Continent's Exhibit No. 1 was marked for identification.)

Would you please refer to Exhibit No. 1 and briefly state what that is and what that shows?

A Exhibit No. 1 is a plat showing Sunray's acreage in the S/2 of the NE/4 of Section 29, Township 21 South, Range 37 East. The proposed well for dual completion has an arrow pointing to -- it is the D. Hardy No. 2. The plat also shows all Paddock and Drinkard wells in the vicinity of the D. Hardy Lease, and also shown are the operators and their addresses in the vicinity of the D. Hardy Lease.

Q Now, what is the location of the D. Hardy No. 2?

A The D. Hardy No. 2 is located 1980 feet from the North line and 1980 feet from the East line of Section 29.

Q Mr. Northcutt, as far as you know, is this the first request for dual completion between the Drinkard Pool and the Paddock Pool?

A Yes, sir.

Q That is the reason for this hearing, is it not?

A Yes, sir.

(Thereupon, Sunray Mid-Continent's Exhibit No. 2 was marked for identification.)

Q Would you please refer to Exhibit No. 2 and explain how the well is presently completed?

A Exhibit No. 2 is a schematic diagram of the proposed dual completion in the Drinkard and Paddock Oil Pools in Lea County, New Mexico. The well was originally completed February the

5

12th, 1947 in the Drinkard Pool by an open hole completion. The 13 3/8 inch surfacing was set at 300 feet and cemented with 300 sacks, circulated to the surface. 9 5/8 inch OD casing was set at 2,838 feet, cemented with 1,000 sacks, circulated to the surface. The 7-inch production casing was set at 6,530 feet with 250 sacks; the calculated top of the cement at 80 percent fillup was at 5,057 feet. The plug-back total depth of the well was --

Q Excuse me. Would this calculated top of the fillup bring the cement up above both the Drinkard and the Paddock?

A Yes, but it is proposed on this dual completion to also squeeze cement at 5,140 feet and 5,166 feet to assure complete shut-off of the Paddock zone.

Q Thank you, sir.

A On the dual completion, it is proposed to set a permanent type production packer at approximately 6500 feet. The well would be produced through two parallel strings of 2 3/8 inch tubing. The tubing will be set at, in the Drinkard zone, approximately 6505. The tubing, the bottom of the tubing in the proposed Paddock zone would be at 5150. The proposed Paddock perforations are from 5150 to 5160. And it is proposed after perforating this section to treat that zone with approximately 500 gallons of mud acid.

Q Will the method of completion which you have proposed keep the hydrocarbons separated in the well bore?

A Yes, sir.

Q Were all of the offset operators to this location noti-

fied?

A Yes, sir.

Q Did you receive any protest?

A No.

Q Do you have an electric log on this well?

A No, sir. It is proposed to run a radioactive log and submit it to the Commission fifteen days after completion of the well.

Q Are there any other Paddock producers in the vicinity of this well?

A Yes, sir, there are three Paddock producers approximately three-quarters of a mile -- pardon me -- approximately half a mile to the northwest of this proposed location.

Q Could you give us the sections which they are in?

A There are -- Texas Gas Company Henderson Nos. 2 and 5 are located in the NE/4 of Section 30. The Gulf D. Hardy No. 4 -- I'm not sure of that Section, I don't have it marked here. It is located diagonally offset to the Texas Gas Company's Henderson No. 2.

Q All right, sir. Is the Drinkard formation, which is in this well, and the Paddock formation in this well, both within the defined limits of the Paddock Pool and the Drinkard Pool?

A Yes, sir.

Q Both horizontal and vertical?

A I'm not sure on the vertical. On the proposed Paddock,

it is definitely in the horizontal limits of the Paddock Pool.

Q All right, sir. Approximately what interval separates the Drinkard and the Paddock in this well?

A Approximately 1400 feet.

Q Do you believe that this proposed dual completion is an efficient and effective way to produce these two zones?

A Yes, sir.

Q Were Exhibits 1 and 2 prepared under your direction or supervision?

A Yes, sir.

MR. LOAR: We request these be received.

MR. UTZ: Without objection, they will be received.

CROSS EXAMINATION

BY MR. UTZ:

Q Did you state the type of packer that you were going to separate these zones with?

A A permanent type separation packer.

Q You don't know what make?

A No, sir.

Q What choices do you have?

A It probably will be a Baker Model "D," sir.

MR. PAYNE: Giberson also make a permanent type packer, don't they?

A I believe they do, sir. We have on our dual completions in the past used mainly Baker.

Q (By Mr. Utz) Is there any other type of permanent type packer that you may use?

A Not that I can think of right at the present.

Q You don't have any pressure information on these zones?

A Yes, sir. The Paddock pressure, bottom hole pressure at the present time is 926 pounds, and the information from the Texas Company's Henderson No. 2, which is completed in the Paddock in the NE of the NE of Section 30, is 1,882 pounds.

Q That's in the Paddock?

A Yes, sir.

Q The Drinkard was 926?

A Yes, sir.

Q What was it --

A 1,882 pounds.

Q Do you have any idea about gravity?

A Yes, sir. The gravity of the Drinkard zone is approximately 35 degrees API. The gravity of the Paddock zone is approximately 38 degrees API.

Q Is the Drinkard a sour crude?

A No, sir, we consider the Drinkard in this area to be a sweet crude.

Q Ranging from sweet to intermediate to sour in the Drinkard?

A Yes, sir. The Paddock in this area is considered to be a sour crude.

Q You propose to take the required packer leakage test --

A Yes, sir.

Q -- after completion of this well?

A Yes, sir.

MR. UTZ: Are there any other questions of the witness?

MR. PAYNE: No questions.

MR. UTZ: If not, the witness may be excused.

(Witness excused)

MR. UTZ: Any other statements to be made in this case?

If not, the case will be taken under advisement.

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 1231,
heard by me on August 5, 1958

[Signature] Examiner
New Mexico Oil Conservation Commission

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 14th day of August, 1959, in the City of Albuquerque, County of Bernalillo, State of New Mexico.


NOTARY PUBLIC

My Commission Expires:

October 5, 1960

DOCKET: EXAMINER HEARING AUGUST 5, 1959

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

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

Continued Case

CASE 1695: Application of Texaco, Inc. for a triple completion, for permission to commingle the production from three separate pools, and for the establishment of two non-standard gas proration units. Applicant, in the above-styled cause, seeks an order authorizing it to triple complete its A. H. Blinebry NCT-4 Well No. 1, located in the SE/4 SE/4 of Section 31, Township 22 South, Range 38 East, Lea County, New Mexico, in such a manner as to permit production from the Blinebry formation, production of gas from the Tubb Gas Pool, and production of oil from the Drinkard Pool through tubing, the annulus via cross-over, and tubing respectively. Applicant further seeks the establishment of a 160-acre non-standard gas proration unit in both the Tubb Gas Pool and Blinebry Gas Pool each consisting of the S/2 S/2 of said Section 31. Applicant further seeks permission to commingle the liquid production from the Blinebry, Tubb and Drinkard formations underlying said acreage.

NEW CASES

CASE 1665: Application of Sunray Mid-Continent Oil Company for an amendment of Order No. R-1414. Applicant, in the above-styled cause, seeks an order amending Order No. R-1414 to include additional acreage in its Central Bisti LPG-Gas-Water Injection project in the Bisti-Lower Gallup Oil Pool in San Juan County, New Mexico, and for permission to drill four additional water injection wells in said project and for permission to convert one additional well to gas injection in said project.

CASE 1731: Application of Sunray Mid-Continent Oil Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its D. Hardy Well No. 2, located 1980 feet from the North and East lines of Section 29, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Paddock Pool and the production of oil from the Drinkard Pool through parallel strings of tubing.

CASE 1732: Application of Continental Oil Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Lockhart B-11 Well No. 8-1B, located in the SW/4 SE/4 of Section 11, Township 21 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Terry-Blinebry Oil Pool and the production of oil from the Drinkard Pool through parallel strings of tubing.

CASE 1733: Application of Kersey and Company for a pilot water flood project, for several unorthodox locations for wells in said project, for administrative procedure for conversion of additional wells to water injection, and for a project allowable. Applicant, in the above-styled cause, seeks an order authorizing a pilot water flood project in the 2000-foot sand zone of the Grayburg formation underlying its Twin Lakes Lease comprising the SW/4 of Section 28, Township 18 South, Range 28 East, Eddy County, New Mexico.

Docket No. 28-59

Applicant further seeks the approval of unorthodox locations for three wells which would be placed on water injection immediately and the approval of an administrative procedure whereby several other wells on said lease may be converted to water injection without notice and hearing. Applicant further requests a project allowable for the acreage involved.

CASE 1734:

Application of Kersey and Company for a water injection-oil production dual completion on an unorthodox location, and for an additional injection well. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Featherstone Well No. 2, located on an unorthodox location, 1060 feet from the North line and 250 feet from the East line of Section 29, Township 18 South, Range 28 East, Eddy County, New Mexico, in such a manner as to permit the injection of water into the Grayburg sand at approximately 2000 feet and the production of oil from the Premier zone of the Grayburg sand at approximately 2230 feet. Applicant further seeks authority to inject water into a new well to be drilled 330 feet from the North line and 990 feet from the East line of said Section 29. Applicant states that Graridge Corporation is presently injecting water offsetting this tract.

BEFORE THE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE APPLICATION OF SUNRAY
MID-CONTINENT OIL COMPANY FOR AN ORDER
PERMITTING THE DUAL COMPLETION OF ITS
D. HARDY NO. 2 AS AN OIL WELL IN THE
DRINKARD POOL AND AS AN OIL WELL IN THE
PADDOCK POOL IN LEA COUNTY, NEW MEXICO,
AS AN EXCEPTION TO STATEWIDE RULE 112-A

CASE NO. 1731

A P P L I C A T I O N

TO THE HONORABLE OIL CONSERVATION COMMISSION OF THE STATE OF NEW MEXICO

COMES NOW the Applicant, Sunray Mid-Continent Oil Company, and alleges
and states as follows:

1. That it is operator of its D. Hardy Lease covering the South half
of the Northeast quarter of Section 29, Township 21 South, Range 37 East, Lea County,
New Mexico.
2. That D. Hardy Well No. 2 is located 1980 feet from the North line and
1980 feet from the East line of said Section 29 and that said well No. 2 was completed
as an oil well in the Drinkard Pool on February 12, 1947, at a total depth of 7065
feet plug back total depth of 6680 feet through open hole section 6530 feet to 6680.
That 13 3/8" OD casing was cemented at 300 feet with 300 sacks of cement. That 9 5/8"
OD casing was set at 2838 feet with 1000 sacks of cement. That 7" OD casing was set
at 6530 feet with 250 sacks of cement.
3. That it is proposed to dually complete said Well No. 2 in the Drinkard
and Paddock Pools by pressure testing the casing, squeeze cementing at 5166 feet and
5140 feet, perforating from 5150 to 5160 feet, acidizing as necessary to stimulate
production, and producing each zone through parallel strings of 2 3/8" OD, 1.995"
ID tubing with a permanent type production packer set between the two zones at a
depth 6500 feet.
4. That Statewide Rule 112-A permits the dual completion of a well two
oil pools only by order of the Commission upon hearing unless such a dual completion
has previously been authorized in the same two oil pools.
5. That this method of dual completion is mechanically feasible and
practical, that if necessary both zones can be artificially lifted, that the oil,
water, and/or gas production from each zone can be accurately metered and measured.,
that bottom-hole pressures may be taken on each zone using this proposed equipment.
6. That attached hereto and made a part hereof is Commission form
"Application for Dual Completion", a plat which shows the location of all Drinkard
and Paddock wells on and offsetting applicant's lease and which shows names and
addresses of operators of leases offsetting applicant's lease, and a diagrammatic
sketch showing diameters and setting depths of casing and tubing strings, cementing
data, perforated intervals, and setting depth and type of packer. That copies of
this application have been sent by registered mail to all offset operators.
7. Since an electric log has not been previously run on said Well No.
2, a copy of a radioactive log to be run during dual completion operations will be
furnished to the Commission within fifteen (15) days after completion.
8. That in the interest of conservation, the prevention of waste, and
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 an order permitting Applicant to produce its order permitting
Applicant to produce its D. Hardy Well No. 2 as a dual completion between the Drink-
ard Pool and the Paddock Pool in the manner requested by this application

DATED this 14th day of July, 1959.

SUNRAY MID-CONTINENT OIL COMPANY

By William R. Lee

*Robert
H. Lee*
7-23-59

NEW MEXICO OIL CONSERVATION COMMISSION

SANTA FE, NEW MEXICO

7-3-58

APPLICATION FOR DUAL COMPLETION

Field Name <u>Paddock and Drinkard</u>		County <u>Lea</u>	Date <u>July 7, 1959</u>
Operator <u>Sunray Mid-Continent Oil Co.</u>		Lease <u>D. Hardy</u>	Well No. <u>2</u>
Location of Well <u>G</u>	Unit <u>29</u>	Section <u>21S</u>	Range <u>37E</u>

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 X
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	<u>Paddock</u>	<u>Drinkard</u>
b. Top and Bottom of Pay Section (Perforations)	<u>Perf. 5150'-60'</u>	<u>OH 6530-6680'</u>
c. Type of production (Oil or Gas)	<u>Oil</u> ✓	<u>Oil</u> ✓
d. Method of Production (Flowing or Artificial Lift)	<u>Flow</u> ✓	<u>Flow</u> ✓

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.*
- **NO 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.

Magnolia Petroleum Company, P. O. Box 2406, Hobbs, N.M.

Gulf Oil Corp, P. O. Box 2167, Hobbs, N.M.

Sinclair Oil and Gas Company, 520 E. Broadway, Hobbs, N.M.

The Ohio Oil Company, P. O. Box 2107, Hobbs, N.M.

6. Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO _____. If answer is yes, give date of such notification July 8, 1959.

CERTIFICATE: I, the undersigned, state that I am the District Engineer of the Sunray Mid-Continent Oil Company (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.

** Logs not run at time of completion.

Logs will be submitted as per Rule 112-A

Robert E. Stillbox
Signature

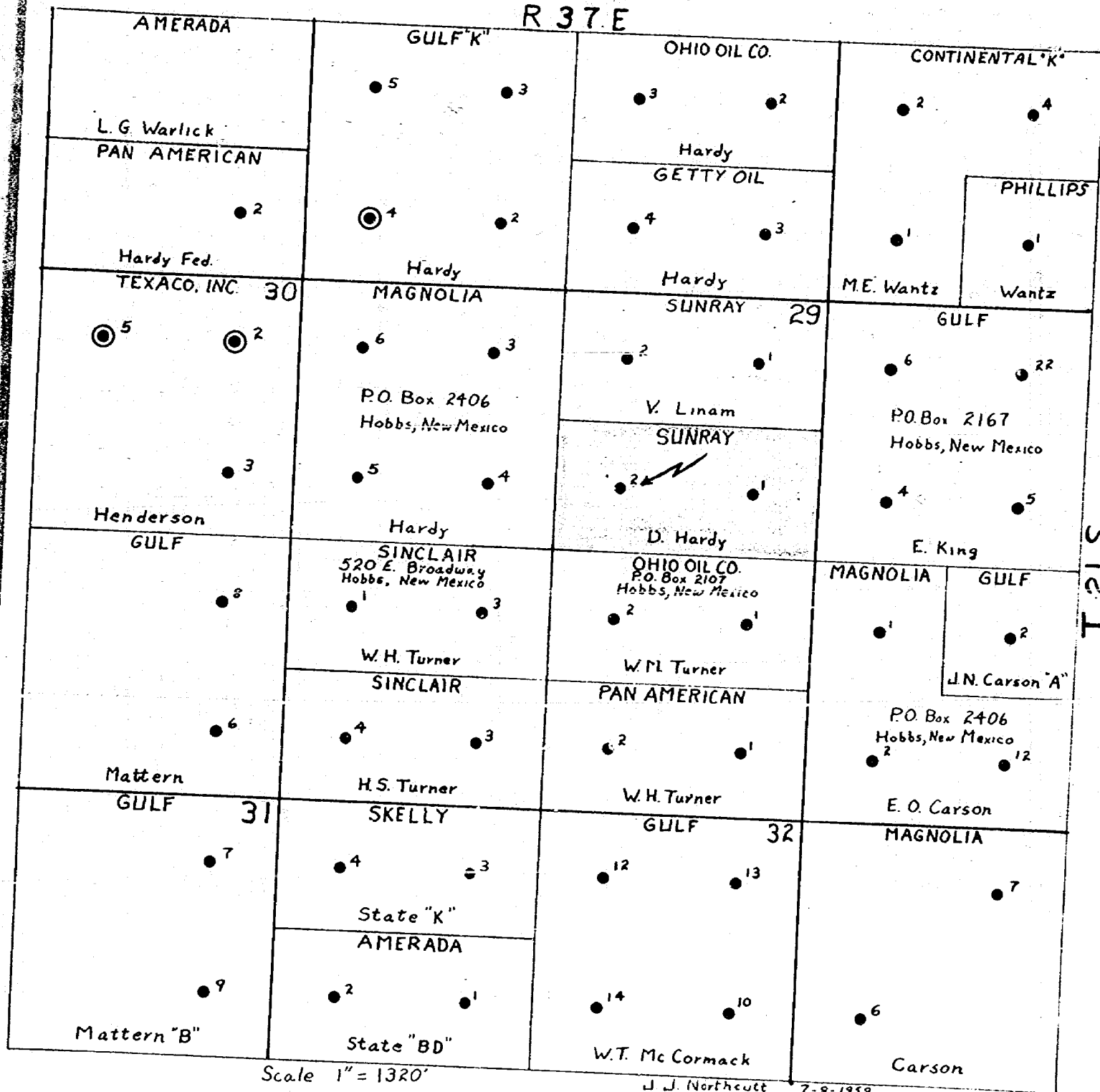
- * Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Conservation Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If, after said twenty-day period, no protest 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.

PLAT

SHOWING DRINKARD AND PADDOCK WELLS IN VICINITY OF
SUNRAY MID-CONTINENT OIL COMPANY - D. HARDY LEASE
LEA COUNTY, NEW MEXICO

DRINKARD OIL WELLS
PADDOCK OIL WELLS

R 37 E



T 21 S

DUAL COMPLETION

DRINKARD AND PADDOCK ZONES - 18A COUNTY, NEW MEXICO

SUNRAY MID-CONTINENT OIL COMPANY - D. HARDY WELL #2

