

Case No.

1463

Application, Transcript,
Small Exhibits, Etc.

1463 Pan

CASE 1463: Pan American Pet. Corp. applica-
tion for order authorizing completion of it
O.H. Randel A #1 well : 9-26-11W San Juan
County.

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

IN THE MATTER OF:

CASE NO. 1463

May 28, 1958

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

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
MAY 28, 1958

IN THE MATTER OF:

CASE NO. 1463: Application of Pan American Petrol-
eum Corporation for an oil-gas dual :
completion. Applicant, in the above- :
styled cause, seeks an order auth- :
orizing the dual completion of its :
O. H. Randel "A" No. 1 Well, located :
1650 feet from the South line and :
990 feet from the West line of Sec- :
tion 9, Township 26 North, Range 11 :
West, San Juan County, New Mexico, :
in such a manner as to permit the :
production of oil from an undesigna- :
ted Gallup oil pool and gas from an :
undesignated Dakota gas 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: The hearing will come to order, please. Next
case on the docket will be Case 1463.

MR. PAYNE: Application of Pan American Petroleum Cor-
poration for an oil-gas dual completion.

(Witness sworn)

D. L. CURRENS,

called as a witness, having been first duly sworn on oath, testi-
fied as follows:

DIRECT EXAMINATION

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

BY MR. BUELL:

Q State your full name, by whom you are employed, in what capacity and what location, please, Mr. Currens.

A Daniel R. Currens. Employed by Pan American Petroleum Corporation; reservoir engineer in Roswell, New Mexico.

Q Would you name the well and locate it for the record; the well, the subject matter of this application?

A The application is for permission to dually complete our O. H. Randel "A" No. 1 which is located 990 feet from the West line, 1650 feet from the South line, Section 9, Township 26 North, Range 11 West, San Juan County, New Mexico.

Q Mr. Currens, why is a hearing required to dual that well?

A Well, the Commission has not yet issued an order for administrative approval of dual completion of oil over gas. In addition, this well is completed in two present undesignated pools, being an undesignated Gallup oil completion and undesignated Dakota gas completion.

Q I hand you now what has been marked as Pan American's Exhibit No. 1. What is that Exhibit, please?

A Exhibit No. 1 is a plat showing the subject well located in Section 9 and circled in red, and the surrounding area, the lease in question here.

Q I notice symbols for other wells on that Exhibit. What are they?

A They are to the west here. We have some Gallup comple-

tions up to the northeast, and there are some Pictured-Cliffs completions.

Q Mr. Currens, I hand you now what has been designated as Pan American's Exhibit No. 2. What is that?

A Exhibit No. 2 is a portion of the electrical log on the O. H. Randel "A" No. 1 showing the entire Gallup zone and the Dakota zone; encountered down to TD marked on here with a blue line is the top of the Gallup at approximately 5173; top of the Dakota at approximately 6150 feet.

Q Does it also reflect the completion interval?

A Yes, sir. In the center of the log the red marking -- the lines and circles indicate the intervals that were perforated both in the Gallup and down in the Dakota.

Q Would you briefly, Mr. Currens, discuss the completion method used on those wells?

A Yes, sir. The well was completed initially -- we went in, perforated the Gallup, -- I mean the Dakota. Initially went in and perforated the Dakota from 6189 to 6230, from 6260 to 6280. Then sand water fraced that with forty thousand gallons of water, forty thousand pounds of sand. The next -- isolated the Dakota formation and came up to the Gallup, perforated the Gallup from 5300 feet to 5342, from 5372 to 5400, from 5424 to 5458. Sand oil fraced the Gallup with sixty thousand gallons of oil, 60 thousand pounds of sand, ran our dual completion equipment; a production type packer which was set between the two formations below the

lowermost Gallup perforation and above the top of the Dakota had parallel strings of tubing, one string going through the production packer to the Dakota, the other string being bottomed at the Gallup.

Q Do you have any indication, Mr. Currens, of the productive ability of each of those zones?

A Yes, sir. On April 28, 1958, we took the potential test on the Gallup well, and flowed at a rate of 131 barrels of oil per day with a GOR of 1673. Incidentally, that oil gravity is 39.5, API gravity corrected to standard temperature. We didn't potential the Dakota as such. We have taken a preliminary test on the Dakota, on that that same date, the 29th of April, 1958. The well produced at a rate of 5,696 MCF per day after seven-hour blowdown. That was a pitot measurement.

Q Mr. Currens, it is obvious that we are dealing with two separate and distinct reservoirs in that the oil is above the gas, but let me ask you this question. In your opinion, is the vertical separation of more than a magnitude that the use of modern completion techniques will still be able to keep them separate?

A Yes, sir. Certainly, we have good separation behind the pipe. We are certainly definite in the two zones. As I stated in here, the Gallup and the Dakota, the production packer is adequate. It is very good formation, or very good seal in the well bore itself. We have very effectively isolated the two zones.

Mr. Currens, I hand you now what has been marked Pan American's Exhibit No. 3. What is it?

A Exhibit No. 3 is a diagramatic sketch of the dual completion equipment in the O. H. Randel "A" No. 1. Shows the casing strings in the hole. We have surface casing set at 517 feet. The hole is cased to TD with seven-inch casing, that being 6397. A Baker model D production packer is set at 6045 which is above the top of the Dakota below the lowermost Gallup perforation. We have a two and three-eighths inch tubing string run through the production packer to the Dakota that being bottomed at 6205, and we have a two and three-eighths inch tubing string run to the Gallup being bottomed at 6453. Incidentally, this is N. 80 tubing.

Q Does this Exhibit also reflect the location of the top of the cement?

A Yes, sir. It shows the cement top here well above the uppermost Gallup perforation top of the cement. This was by temperature survey 4710 feet.

Q In your opinion, Mr. Currens, have these zones been effectively isolated and this well bore?

A You can see from the cement here that we have outside in the well bore; certainly we have good isolation between the two zones.

Q Do you have any pressure information that verifies that conclusion?

A Yes, sir. I have some shut-in pressure tests that were taken for the two zones; have a 51-hour test. Both zones had been shut in 51 hours. At that time, the annulus between the casing

and the tubing, in other words, the Gallup formation pressure shut-in casing pressure was 850 pounds. The Gallup shut-in tubing pressure was 350 pounds. Same time we ran a -- took a pressure measurement on the tubing for the Dakota shut-in tubing pressure on the Dakota was 2,050 pounds. There is a difference of 1200 pounds there, certainly shows good isolation.

Q Mr. Currens, I wonder if you were at this month's state-wide hearing.

A Yes, sir, I was.

Q Do you recall the case that considered amending the state-wide rule relating to the dual completion of wells?

A Yes, sir. 1463, as I recall.

Q 1463 is this case?

A Beg your pardon. 1443.

Q Are you sure you were there?

A Yes, I was there. Yes, sir.

Q Does the mechanical feature of this dual coincide with the recommendations made by the Commission staff to the Commissioners?

A Yes, it certainly does. We have oil over gas here. We've utilized two and three-eighths inch parallel strings of tubing and a production packer set between the two formations, one tubing string going down through the packer to the lower formation.

Q One last question, Mr. Currens. In your opinion, will the approval of this dual completion request prevent waste and adequately protect the correlative rights of all parties of interest?

A Yes, sir, I certainly believe so. Definitely prevent economic waste. I could cite some figures here. Estimate of cost to drilling, complete a Gallup well in this area is approximately sixty-three thousand dollars, a single completion. A Dakota well, single completion, would cost about eighty thousand dollars, or a total for the two single completions over one hundred forty-three thousand dollars. We have final cost figures in on the O. H. Randel "A" No. 1; cost one hundred three thousand dollars, so we made a savings there of forty thousand dollars economically.

Q What about physical waste?

A As to reservoir, certainly a dual completion of this type is as efficient as two single completions. With respect to correlative rights, it will, of course, afford us the opportunity to recover our proportionate share of the recoverable gas and oil in place in this reservoir.

MR. BUELL: That's all we have at this time, Mr. Examiner.

QUESTIONS BY MR. UTZ: CROSS EXAMINATION

Q Mr. Currens, the seven-hour pitot test on the Dakota formation was through the tubing?

A Yes, sir, through the tubing.

Q I note that your electric log shows your Gallup pay zones?

A Yes, sir.

Q Did you try to complete the upper zone?

A No, sir, we did not.

Q You have no idea whether it is gas or oil?

A No, sir. I could not say that it would be either one.

Q You didn't core it either? A No, sir.

Q Do you know what the samples look like?

A No, sir. I didn't see them.

Q Do you know why you didn't investigate that particular zone?

A I don't believe I could give a specific answer to that, sir.

Q Would you say from the log that it is almost as good as the rest of them?

A We don't quite have the SP there that you do for the others. Of course, the Gallup, that's kind of rough to work straight on SP anyhow, but I don't really know why we didn't attempt that upper zone, Mr. Utz.

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

MR. BUELL: May I at this time formally offer Pan American's Exhibits 1 through 3 inclusive?

MR. UTZ: Without objection they will be received. The witness may be excused.

(Witness excused)

MR. UTZ: Any statement in this case? The case will be taken under advisement.

STATE OF NEW MEXICO)
COUNTY OF BERNALILLO) ss

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/or under my personal supervision, 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 19th day of June, 1958, in the City of Albuquerque, County of Bernalillo, State of New Mexico.

Joseph G. Ingich
Notary Public

My Commission Expires:

October 5, 1960

I do hereby certify that the foregoing is a complete record of the proceedings in the Executive Session of June 20, 1958, heard by us on May 25, 1958.

[Signature], Chairman
New Mexico Oil Conservation Commission

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

June 23, 1958

C
O
P
Y

Mr. Guy Buell
Pan American Petroleum Corp.
P.O. Box 1410
Fort Worth, Texas

Dear Mr. Buell:

We enclose two copies of Order R-1202 issued June 18, 1958, by the Oil Conservation Commission in Case 1463, which was heard on May 28th at Santa Fe before an examiner.

Very truly yours,

A. L. Porter, Jr.
Secretary - Director

Encls.
bp

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. 1463
Order No. R-1202

APPLICATION OF PAN AMERICAN PETROLEUM
CORPORATION FOR AN ORDER AUTHORIZING
AN OIL-GAS DUAL COMPLETION IN AN
UNDESIGNATED GALLUP OIL POOL AND
UNDESIGNATED DAKOTA GAS POOL IN SAN
JUAN COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on May 28, 1958, 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 18th day of June, 1958, 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, Pan American Petroleum Corporation, is the owner and operator of the O. H. Randel "A" No. 1 Well, located 1650 feet from the South line and 990 feet from the West line of Section 9, Township 26 North, Range 11 West, NMPM, San Juan County, New Mexico.
- (3) That the applicant proposes to dually complete the above-described O. H. Randel "A" No. 1 Well in such a manner as to permit the production of oil from an undesignated Gallup oil pool and the production of gas from an undesignated Dakota gas 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 not cause waste nor impair correlative rights.
- (6) That the subject application should be approved.

IT IS THEREFORE ORDERED:

That the applicant, Pan American Petroleum Corporation, be and the same is hereby authorized to dually complete its O. H. Randel "A" No. 1 Well, located 1650 feet from the South line and 990 feet from the West line of Section 9, Township 26 North, Range 11 West, NMPM, San Juan County, New Mexico, in such a manner as to permit the production of oil from an undesignated Gallup oil pool and the production of gas from an undesignated Dakota gas pool through parallel strings of 2 3/8-inch tubing.

PROVIDED HOWEVER, That subject well shall be completed and thereafter produced in such a manner that there will be no commingling within the well-bore, either within or outside the casing, of gas, oil and gas, or oil produced from either or both of the separate strata,

PROVIDED HOWEVER, That prior to the actual dual completion the operator shall make pressure tests of the casing to prove that no casing leaks exist. In the event a casing leak is apparent the operator shall take appropriate steps to adequately repair the leak. The results of these tests shall be reported to the Commission on Form C-103.

PROVIDED FURTHER, That upon the actual dual completion of such subject well applicant shall submit to the appropriate District Office of the Commission copies of Oil Conservation Commission Form C-103, Form C-104, Form C-110, and Form C-122, outlining the information required on those forms by existing Rules and Regulations, and two copies of the electric log of the well.

PROVIDED FURTHER, That said subject well for dual completion and production shall be equipped in such a way that reservoir pressures may be determined separately for each of the two specified strata, and further, be equipped with all necessary connections required to permit recording meters to be installed and used at any time as may be required by the Commission or its representatives, in order that natural gas, oil, or oil and gas from each separate stratum may be accurately measured and the gas-oil or gas-liquid ratio thereof determined, and

PROVIDED FURTHER, That the operator shall make any and all tests, including segregation and packer-leakage tests upon completion and annually thereafter during the Annual Deliverability Test Period for the O. H. Randel "A" No. 1 Well, commencing in the year 1959, and whenever the packer is disturbed, but not excluding any other tests and/or determinations as deemed necessary by the Commission; the original and all subsequent tests shall be witnessed by representatives of offset operators if any there be at their election, and the results of each test, properly attested to by the applicant herein and all witnesses, shall be filed with the Commission within fifteen (15) days after the completion of such tests, and further, that applicant shall file with the Commission in duplicate a packer-setting affidavit, which affidavit shall be due within fifteen (15) days of the dual completion or whenever the packer is disturbed, and

-3-

Case No. 1463
Order No. R-1202

PROVIDED FURTHER, That upon the actual dual completion of such subject well, applicant shall submit to the Commission a diagrammatic sketch of the mechanical installation which was actually used to complete and produce the seal between the strata, and a special report of production, gas-oil ratio or gas-liquid ratio, and reservoir pressure determination for each producing zone or stratum immediately following completion.

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.

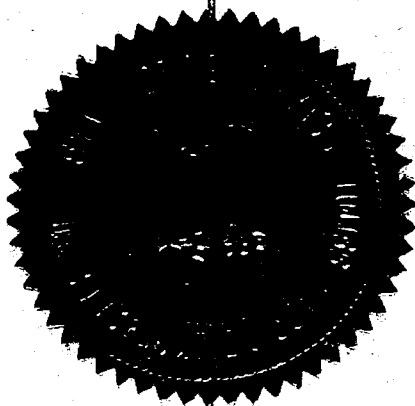
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

E. L. Mechem
EDWIN L. MECHEM, Chairman

M. E. Morgan
MURRAY E. MORGAN, Member

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



ir/

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Date 6-5-58

CASE 1463

Hearing Date 5-28-58

My recommendations for an order in the above numbered cases are as follows:

1. Approve as requested using usual Gas-oil
2 $\frac{3}{4}$ " string dual order.
2. Upper completion Undesignated - Gallup oil
Lower " " - Dakota Gas.

Wm. A. [Signature]

Staff Member

PAN AMERICAN PETROLEUM CORPORATION

Roswell, New Mexico

April 30, 1958

File: S-611-986.510

Subject: Oil-Gas Dual Completion
O. H. Randel "A" No. 1
Undesignated Gallup And
Undesignated Dakota Pools.

*Oil-Gas Dual
Sale May 1958*

New Mexico Oil Conservation Commission (3)
P. O. Box 871
Santa Fe, New Mexico

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

Gentlemen:

Pan American Petroleum Corporation respectfully requests a hearing for the purpose of obtaining approval for an oil over gas dual completion of our O. H. Randel "A" No. 1, located 1650' from the south line and 990' from the west line of Section 9, T-26-N, R-11-W, San Juan County, New Mexico. This well is shown on the accompanying plat.

We propose to dually complete the O. H. Randel "A" No. 1 to permit the production of oil from an Undesignated Gallup Pool and gas from an underlying Undesignated Dakota Pool by means of parallel strings of 2-3/8" tubing. The two producing horizons would be separated by a production packer with a tubing string set through the packer for production of gas from the Dakota formation. Oil production from the Gallup formation would be by a tubing string set above the production packer. We request that this matter be called at the earliest possible hearing.

Yours very truly,

PAN AMERICAN PETROLEUM CORPORATION



C. L. Kelley
District Superintendent

Attachment

R-11-W

Wood
GRIFFITH-MOORE
6333 D.F.
* 1-8
1903 T.D.
396 Mcf
12/23/52
+4511 P.C.

Navajo
GRIFFITH-MOORE

6371 D.F.
* 1
1860 T.D.
112 Mcf
9/23/55

Blackrock Fed.
GULF

(U.S.A.-O.H. Road)
PAN AMERICAN

8408 D.F.
* 1
1900 T.D.
5/29/52
+4598 P.C.

Pt. 139562
6/1/59

Pt. 139562
6/1/59
(1920 Ac.)

Levy 5% O.R.R.

6156 D.F.
* 8-1
5401 T.D.
5359 P.B.
5066 T.P.
1PF 393 BOPD
7/29/57

6213 D.F.
* 8-2
5470 T.D.
5433 P.B.
5123-5379 T.P.
F732 90PD
8/12/57

Delhi-Taylor
EL PASO

MONSANTO

Pt. 139562
6/1/59

O 2

6161 D.F.
* 1
5526 T.D.
5270 P.B.
5079-5250 T.P.
1PF 221 BOPD
2222 Mcf
7/7/57

Blackrock-Fed.
GULF OIL

Berger
TENN. GAS & TRANS.
O 1

6156 D.F.
* 1
5302 T.D.
5234 P.B.
5038 T.P.
960 CAOP
2/3/57

20

21

22

T
26
N

DOCKET: EXAMINER HEARING MAY 28, 1958

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

The following cases will be heard before Elvis A. Utz, Examiner:

- CASE 1225: Application of Moab Drilling Company and Utex Exploration Company for an order amending Order No. R-975. Applicant, in the above-styled cause, seeks an order amending Order No. R-975 to permit the conversion to a water injection well of the Utex Exploration Company Donohue-Federal No. 3 Well, located in the SE/4 SW/4 of Section 15, Township 16 South, Range 29 East, Eddy County, New Mexico.
- CASE 1446: Application of The Texas Company for approval of a unit agreement. Applicant, in the above-styled cause, seeks an order approving its Cotton Draw Unit embracing 35,144 acres, more or less, of Federal, State of New Mexico, and patented lands, located in Township 24 South, Ranges 31 and 32 East; Township 25 South, Ranges 31 and 32 East, in Eddy and Lea Counties, New Mexico.
- CASE 1447: Application of The Texas Company for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order establishing a 320-acre non-standard gas proration unit in the Eumont Gas Pool comprising the E/2 of Section 11, Township 20 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to the applicant's C. H. Weir "B" Well No. 3, located 330 feet from the North line and 660 feet from the East line of said Section 11.
- CASE 1448: Application of Ambassador Oil Corporation for approval of a unit agreement. Applicant, in the above-styled cause, seeks an order approving its North Caprock Queen Unit No. 2 embracing 1808 acres, more or less, of State of New Mexico lands located in Township 13 South, Ranges 31 and 32 East, in Chaves and Lea Counties, New Mexico.
- CASE 1449: Application of Graridge Corporation for an exception to Rule 309 of the Commission Rules and Regulations. Applicant, in the above-styled cause, seeks an order permitting the consolidation of tank batteries to receive the production from more than sixteen wells in the North Caprock Queen Unit No. 1 in Chaves and Lea Counties, New Mexico, which was established by Order No. R-1145. The applicant further seeks permission to install automatic custody transfer equipment on the above-referenced Unit.
- CASE 1450: Application of Neville G. Penrose, Inc. for approval of a unit agreement. Applicant, in the above-styled cause, seeks an order approving its November State Unit comprising 913 acres, more or less, of State of New Mexico and patented lands, located in Township 10 South, Range 37 and 38 East, and Township 11 South, Range 38 East, Lea County, New Mexico.

- CASE 1451: Application of Amerada Petroleum Corporation for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order establishing a 280-acre non-standard gas proration unit in the Justis Gas Pool consisting of the W/2 SW/4 Section 24, NW/4 and SW/4 NE/4 of Section 25, all in Township 25 South, Range 37 East, Lea County, New Mexico, said unit to be dedicated to the applicant's proposed well to be drilled in the NE/4 NW/4 of said Section 25.
- CASE 1452: Application of Amerada Petroleum Corporation for the dual completion of a producing oil well to permit the disposal of salt water therein. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its H. C. Posey "A" No. 4 Well, located in the NW/4 NE/4 of Section 14, Township 12 South, Range 32 East, Lea County, New Mexico, in such a manner as to permit the production of oil through the tubing from the Pennsylvanian formation, adjacent to the East Caprock-Pennsylvanian Pool, and to permit the disposal of salt water through the casing tubing annulus into the Devonian formation between 11,205 feet and 11,370 feet.
- CASE 1453: Application of Magnolia Petroleum Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Stephens Estate No. 1 Well, located in the NW/4 SW/4 of Section 24, 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 Pool and Wantz-Abo Pool.
- CASE 1454: Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Learcy McBuffington No. 4 Well, located 660 feet from the South line and 1980 feet from the West line of Section 13, Township 25 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from an undesignated Blinebry oil pool and oil from the Justis-Ellenburger Pool through parallel strings of tubing.
- CASE 1455: Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Learcy McBuffington Well No. 5, located 1650 feet from the South line and 1980 feet from the East line of Section 13, Township 25 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from an undesignated Blinebry oil pool and oil from the Justis-Ellenburger pool through parallel strings of tubing.

- CASE 1456: Application of Gulf Oil Corporation for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Learcy McBuffington Well No. 6, located 330 feet from the South line and 1980 feet from the East line of Section 13, Township 25 South, Range 37 East, Lea County, New Mexico, in such a manner as to permit the production of oil from an undesignated Blinebry oil pool and oil from the McKee formation, adjacent to the Justis-McKee Pool, through parallel strings of tubing.
- CASE 1457: Application of Sinclair Oil & Gas Company for an oil-oil dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its State Lea Well No. 1, located 660 feet from the South and West lines of Section 24, Township 16 South, Range 33 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Kemnitz-Wolfcamp Pool and from the Pennsylvanian formation adjacent to the Kemnitz-Pennsylvanian Pool through parallel strings of tubing.
- CASE 1458: Application of Albert Gackle for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order establishing a 320-acre non-standard gas proration unit in the Jalmat Gas Pool consisting of the S/2 of Section 23, Township 23 South, Range 36 East, Lea County, New Mexico, said unit to be dedicated to the applicant's Sinclair State No. 1 Well, located 1650 feet from the South line and 990 feet from the East line of said Section 23.
- CASE 1459: Application of Continental Oil Company for a dual completion and non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Farney A-17 Well No 3, located in Section 17, Township 23 South, Range 36 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Lower Yates formation of the Jalmat Gas Pool and gas from the Upper Yates formation of the Jalmat Gas Pool through the tubing and casing-tubing annulus respectively. The applicant further seeks the establishment of a 160-acre non-standard gas proration unit in the Jalmat Gas Pool comprising the NW/4 of said Section 17, to be dedicated to the said Farney A-17 Well No. 3.
- CASE 1460: Application of Phillips Petroleum Company for an oil-oil dual completion and for permission to commingle production from two separate pools. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its New Mex "A" Well No. 1 located 1983 feet from the South line and 2313 feet from the West line of Section 25, Township 16 South, Range 33 East, Lea County, New Mexico, in such a manner as to permit the production of oil from the Kemnitz-Wolfcamp Pool and oil from an undesignated Pennsylvanian pool through parallel strings of tubing. The applicant also proposes to produce the Wolfcamp and Pennsylvanian production from said well into common storage.

CASE 1461: Application of A. A. Greer, et al., for an exception to the acreage factors established by Order No. R-565-C for certain wells in San Juan County, New Mexico. Applicant, in the above-styled cause, seek an order granting an exception to the acreage factors provided in the Special Rules and Regulations for the Aztec-Pictured Cliffs Gas Pool and Fulcher Kutz-Pictured Cliffs Gas Pool, as set forth in Order No. R-565-C, for one well in the Aztec-Pictured Cliffs Gas Pool and eight wells in the Fulcher Kutz-Pictured Cliffs Gas Pool which were drilled on 40-acre spacing prior to the establishment of 160-acre spacing in the aforementioned pools.

CASE 1462: Application of El Paso Natural Gas Company for a non-standard gas proration unit. Applicant, in the above-styled cause, seeks an order establishing a 335-acre, more or less, non-standard gas proration unit in the Blanco Mesaverde Gas Pool consisting of the SW/4 of Section 7 and the W/2 of Section 18, all in Township 30 North, Range 8 West, San Juan County, New Mexico, said unit to be dedicated to the applicant's Howell No. 4-C Well, located 933 feet from the South line and 931 feet from the West line of said Section 18.

CASE 1463: Application of Pan American Petroleum Corporation for an oil-gas dual completion. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its O. H. Randel "A" No. 1 Well, located 1650 feet from the South line and 990 feet from the West line of Section 9, Township 26 North, Range 11 West, San Juan County, New Mexico, in such a manner as to permit the production of oil from an undesignated Gallup oil pool and gas from an undesignated Dakota gas pool through parallel strings of tubing.

ir/

R-11-W

Wood
GRIFFITH-MOORE
6333 D.F.
1-B
1903 T.D.
336 Mcf
2/23/52
44511 PC

5

4

3

Novajo
GRIFFITH-MOORE

6371 D.F.
1
1860 T.D.
112 Mcf
9/23/55

Blackrock Fed.
GULF

(U.S.A.-O.N. Road)
PAN AMERICAN

6408 D.F.
1
1900 T.D.
5/29/52
44598 P.C.

8

9

10

6156 D.F.
• 01
5401 T.D.
5359 P.B.
5066 T.P.
1PF 393 BOPD
7/29/57

6213 D.F.
• 02
5470 T.D.
5433 P.B.
5123-5379 T.P.
F732 BOPD
8/12/57

Pl. 139562
6/1/59

6351 T.D.
6351 P.B.
F131 B/O
G08 3415
2406 W/O
4-20-58

Pl. 139562
6/1/59
(1920 Ac.)

Left 5% O.R.N.

Delhi - Taylor
EL PASO

MONSANTO

Pl. 139562
6/1/59

17

16

15

6161 D.F.
* 1
5526 T.D.
5270 P.B.
5079-5250 T.P.
1PF 221 BOPD
2222 Mcf
7/7/57

Blackrock Fed.
GULF C.O.

Berger
TENN. GAS & TRANS.
O 1

6156 D.F.
* 1
5302 T.D.
5234 P.B.
5036 T.P.
960 CAOF
2/3/57

20

21

22

BEFORE EXAMINER UTZ
OIL CONSERVATION COMMISSION
Pan Am
EXHIBIT NO. 1
CASE NO. 1467

T
26
N

Reference Point - FDB El. 6293'

13'

Ground Level El. 6280'

517' of 9-5/8" 32.3# casing in
12-1/4" hole (cemented to surface)

Top of Cement 4710'

Gallup Perforations - 4 shots
per foot

5300-5342

5372-5400

5424-5458

5463' of 2-3/8" 4.7# tubing (with
2.910" O.D. tapered couplings)

6045' Baker Model "D" Retainer
production packer

Dakota Perforations - 2 shots per
foot 6189-6230 6260-6280

PBD - 6357'

TD - 6398 - 7" 23# & 20# casing in
8-3/4" hole

BEFORE EXAMINER UTZ
OF CONSERVATION COMMISSION
Pan Am EXHIBIT NO. 3
CASE NO. 1463

6205' of 2-3/8" 4.7# tubing (with
2.910" O.D. tapered couplings) with
Baker Model "E" Anchor Tubing Seal
Assembly

PAN AMERICAN PETROLEUM CORPORATION

O. H. RANDEL "A" NO. 1 - DIAGRAMATIC SKETCH OF DUAL COMPLETION EQUIPMENT

SCALE: None

FHH 2-5-58

Dwg
No.