CASE 4044: Appli. of CONTINENTAL OIL CO. FOR A NON-STANDARD GAS PRORATION UNIT, LEA COUNTY.

- d5e Number Application Transcripts. Small Exhibits

1120 SIMAIS BLDG. . P. O. BOX 1092 . FHONE 243-6691 . ALBUQUERQUE, NEW MEXICO

## ENAMEMER HEADENG

IN THE MATTER OF:

Application of Continental Oil Commany ) Case No. 4044 For a non-standard gas proration unit, Lea County, New Mexico.

BEFORE: Daniel S. Mutter, Examiner.

TRANSCRIPT OF HEARING



# BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico February 5, 1969

#### EXAMINER HEARING

A 100 Miles and	•
IN THE MATTER OF:	)
	)
Application of Continental Oil Company	) Case No. 4044
for a non-standard gas proration unit,	)
Lea County, New Mexico.	)
	)
	•

BEFORE: Daniel S. Nutter, Examiner.

TRANSCRIPT OF HEARING

MR. NUTTER: We will call Case No. 4044.

MR. HATCH: Case 4044. Application of Continental Oil Company for a non-standard gas proration unit, Lea County, New Mexico.

MR. KELLAHIN: If the Examiner please, Jason Kellahin, Kellahin and Fox, Santa Fe, appearing for the applicant. I have one witness I would like to have sworn.

(Whereupon, Applicant's Exhibits 1 through 6 were marked for identification.)

(Witness sworn.)

#### VICTOR T. LYON

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

#### DIRECT EXAMINATION

#### BY MR. KELLAHIN:

- Q Would you state your name, please?
- A Victor T. Lyon, L-y-o-n.
- Q By whom are you employed and what position, Mr. Lyon?
- A I am employed by Continental Oil Company,
  Conservation Coordinator in the Hobbs Division Office,
  Hobbs, New Mexico.
  - Q Have you testified before the Oil Conservation

Commission and made your qualifications a matter of record?

- A Yes, sir.
- Q Are the witnesses' qualifications acceptable?

  MR. NUTTER: Yes, sir, they are.
- Q (By Mr. Kellahin) Mr. Lyon, are you familiar with the application of Continental Oil Company in Case 4044, presently before the Commission?
  - A Yes, sir.
- Q Briefly, what's proposed by Continental Oil Company in this application?
- A Case 4044 is the application of Continental
  Oil Company for approval to be effective coincident with
  the Reed-Sanderson unit of 481 acre non-standard gas
  proration unit and Eumont gas pool to be assigned jointly
  to Continental Oil Company's Reed A3, wells No. 2 and 3,
  located in Units H and I in Section 3, Township 20 South,
  Range 36 East, Lea County, New Mexico.
- Q Now, referring to what has been marked as Exhibit 1, would you identify that exhibit?
- A Exhibit No. 1 is a location and ownership plat showing the proposed non-standard proration unit outlined in red. It shows the unit wells circled in red. These

are wells numbers 2 and 3. No. 2 is located 1980 feet from the north line, 660 feet from the east line of Section 3. Well No. 3 is located 1980 feet from the south line and 660 feet from the east line of Section 3. The plat shows the presently approved proration units for each of these two wells, outlined in the bluegreen color. It also shows the location and ownership of Eumont wells in the immediate area of the Reed A3 lease.

- Now, are both these wells dual completions?
- A Both wells are completed in the Eumont gas and Monument oil pools. No. 2 was authorized by Administrative Order No. DC 8745. No. 3 was authorized by Administrative Order DC 312.
- Q The only unit that is affected in this hearing is the Eumont production, is that correct?
  - A Yes, sir.
- Q Now, referring to what has been marked as Exhibit No. 2, would you identify that Exhibit?
- A Exhibit No. 2 is a copy of the latest production test taken by El Paso Natural Gas Company on November 1, 1968 for Reed A3 number 2. As shown on the right-hand side under volume calculation, this well was produced at a rate of 2319 mcf per day during that test, at a back

pressure of 416 pounds per square inch gauge.

Q Now, referring to what has been marked as Exhibit No. 3, would you discuss that Exhibit?

A Exhibit No. 3 is a production test conducted by El Paso Natural Gas Company on November 1, 1968 on the Reed A3 number 3. This test shows that the well produced at that time 3295 mcf per day, with a back pressure of 415 pounds per square inch gauge.

Q Now, referring to what has been marked as

Exhibit No. 4, would you discuss the information reflected

by that Exhibit?

A Exhibit 4 is a composite plat which attempts to portray what happened to this lease when the Reed-Sanderson unit was made effective. The upper left-hand plat shows Section 3, which is the Reed A3 lease. The Reed A3 lease consist of all of Section 3. The gas proration units for the Eumont pool, which were assigned to wells number 2 and 3, are shown by the cross-patched area. The units for number 2 is the northeast quarter and the east half of the northwest quarter of Section 3, and the units for well number 3 is the southeast quarter and the east half of the southwest quarter. Then, the plat on the upper right shows the outline of the Reed-

Sanderson unit and its relationship to the Reed A3 lease. As you can see, the cust half of the east half on which the two gas wells are located is outside of the boundaries of the Reed-Sanderson unit. The plat at the bottom is a composite of the upper two. It shows that the Reed A3 lease was segregated by the Bureau of Land Management, which is required under Federal law. The Reed A3 lease was segregated as to that portion which is inside the unit and the portion which is outside the unit.

Now, clarify this; that portion inside the unit was segregated by the BLM, a separate lease as that outside of the units. Is this the result of the ruling by the Bureau?

A Yes, sir.

 $$\operatorname{MR.}$$  NUTTER: Mr. Lyon, what is the vertical limits of the unit?

THE WITNESS: The Reed-Sanderson unit?

- Q (By Mr. Nutter) Yes, sir.
- A The Reed-Sanderson unit was originally defined as Queen formation.
  - Q What's the purpose of that unit?
  - A To waterflood.
  - O To waterflood?

A The Eumont oil. Inadvertently, we included all of the Queen formation, whether it was productive of oil or gas. It was not our intent to unitize the gas.

- Now, here on your Exhibit No. 1, you have 8 oil wells shown here; one is indicated to be abandoned, but are all those Eumont oil wells producing from the Queen?
  - A Yes, sir.
  - Q And these two gas wells are Eumont gas wells?
- A Over on the right-hand side, and I think we've got another Exhibit coming up showing structure here.
- So, evidently, these two wells to the right are
   up structurally to the oil well?
- A That's correct. I have not shown the Monument oil wells. The wells to the east of the Reed-Sanderson unit are in the Monument oil pool or Eumont gas well.
  - Q Is gas productive to the east of that?
- A The vertical limits of the Sanderson unit do include the productive interval.
- Q Which is equivalent to the pay here in these 2 gas wells?
  - A Yes, a part of it is.
  - O (By Mr. Kellahin) Now, in order to preserve

these units, von have to communize these acres?

A Yes, sir. We have a communization agreement and it has been signed by all working interest and overriding royalty interest owners and has been submitted to the USGS for approval, but the USGS policy is that they would communize only for a single gas proration unit.

- Now, is the ownership common throughout this 481 acres?
  - A It is as to the gas, yes.
- Q As to the gas. And, this is what you are communizing, and because of the BLM or USGS not approving a communization, except to unitize that then is the purpose of this hearing, is that correct?
  - A That is correct.
- Q Now, what would your alternative be, if you don't receive approval of this non-standard unit?
- A The alternative would be to redraft the communication agreement into two agreements and recirculate it to all parties for approval.
- O Occasions of the two wells and forming the single unit would be the logical solution, would it not?
  - A Year wir.
  - On Referring to what has been nother as exhibit 5,

would you adensity than Ukhibit?

- A Shhibit's is an idealized progresses often, attempting to show what is deine on in the area that we are talking about; the gas productive interval which extends up in the Seven Rivers formation and all of the Queen formation on the eastward side or right-hand side of the Exhibit as shown by the completion interval of the Reed A3 number 3: then it shows that the area dips stoeply to the west or to the left-hand side of the Exhibit, and the sequence of fluid goes from the gas, right-hand side, to the oil in the center and ultimately to water on the low side, represented on the left-hand side.
- O Now, in your opinion, would all of the acreage you promote to dedicate to these two wells be productive of gas from the Dumoat?
- A Yes, sin. The existing propation units were approved, 1500, at which time the following on loans that the -- this screeks were may readwrate.
- (i) Statement of the property of the state of the stat
- And the parties of the second second
  - and the property of the state o

No. 6, would you identify that Exhibit?

A Exhibit No. 6 is an amendment to the unit agreement to the Reed-Sanderson unit. After the unit became effective, it became apparent that we had unitized the gas. It was not our intention to unitize the gas; therefore, we drew an amendment and it has been approved by all necessary persons and was finally approved by USGS on December 31, 1968. It was made retroactive to January 1, 1967, which was the effective date of the Reed-Sanderson unit.

- Q Now, the affect of this amendment is to delete from the Reed-Sanderson unit any gas which is in units dedicated to gas well outside of the unit, is this the affect of it?
  - A Yes, sir.
- Q That would, of course, delete the gas in your proposed non-standard unit from the Reed-Sanderson unit?
  - A That is correct.
  - Ω It would be then operated as a separate property?
  - A Right.
- Now, will the approval of this non-standard unit permit a better flexibility of the operation of the 2 wells involved?

A Yes, sir. As we have shown in Exhibits 2 and 3, either of these wells has adequate producing capability to produce the allowable for the entire unit and we see no reason to suspect there will be any need to change the acreage assigned to either well, but the fact that they are dual completions and our experience with other gas wells demonstrates that there is always the possibility that some change can occur and it would be desirable to rededicate acreage between these two wells. If the acreage is communizied on the existing units, then we would not only have to ask for a rededication of acreage before this Commission, but we would also have to redraw the communizing agreement to reincorporate the revised boundaries.

- $\Omega$  In your opinion, will the approval of this non-standard result in the prevention of waste?
- A Yes. In my opinion it will result in the prevention of waste in that we will have better assurance that the gas underlying this acreage will be produced.
- Q Now, since all of the ownership within the unit is common, the correlative rights of the owner within the unit would not be affected, would they?
  - A There should be no impairment of correlative

rights.

- Q Would there be any impairment of correlative rights to offsetting operators?
- A I shouldn't think there would be any more than there is any at the present time.
- Q Were Exhibits 1 through 6 prepared by you or under your supervision?
- A Except Exhibits 2 and 3, which were prepared by El Paso Natural Gas Company.
  - Ω They are the final well test records?
  - A Yes. sir.

MR. KELLAHIN: At this time, I offer Exhibits 1 through 6 into evidence.

MR. NUTTER: Continental Exhibits 1 through 6 will be admitted in evidence.

(Whereupon, Applicant's Exhibits 1 through 6 were offered and admitted in evidence.)

#### CROSS EXAMINATION

#### BY MR. NUTTER:

Mr. Lyon, what has been the status of these two wells since January 1, 1967, insofar as production status is concerned? Have they been over-produced, under-

produced, in balance, or what?

- A I am sorry I don't have that information.
- Q I am just wondering if we make this thing retroactive for a period of almost two years, well it would be two years, if it would be complicated by any cancellation in over-production of another well; just what the status would have been over the last two years.
- A It really should not change the status, as I understand it, if there has been allowable cancellation and I am quite certain there has not been.
  - Q What's their present status, do you know?
- A I think they are reasonably in balance, but since the ownership is common, it appears to me that just a matter of practicality we could take the combined status of the wells at this date and there would be no change because there does not need to be any transfer of allowable or production or anything from one well to another.
- Q What you are proposing right now you say they are reasonably in balance right now and you will just take the combined status of the two wells and make one composite status of the two wells out of those?
  - A Yes, sir.

Q Well, if there are no complications resulting from previous action, probably it won't be too difficult, it should be pretty much in balance now.

A I can check and let you know, but I failed to check that before I left.

Q We will look that up before we enter the order.

Are there any further questions of Mr. Lyon? He may be excused. Do you have anything further, Mr. Kellahin?

MR. KELLAHIN: That's all, Mr. Nutter.

MR. NUTTER: Does anyone have anything they wish to offer in Case 4044? We will take the case under advisement.

INDEX	PAGE
VICTOR T. LYON  Direct Examination by Mr. Kellahin  Cross Examination by Mr. Nutter	2 12 OFFERED AND ADMITTED 12
Applicant's 1 through 6	

STATE OF NEW MEXICO ) ss

I, GLENDA BURKS, Court Reporter 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.

COURT REPORTER

1 do horely cirtify that the 4044.

2/5 67



# OIL CONSERVATION COMMISSION

STATE OF NEW MEXICO P. O. BOX 2088 - SANTA FE 87501

LAND COMMISSIGNER ALEX J. ARMIJO MEMBER STATE GEOLOGIST A. L. PORTER, JR. SECRETARY - DIRECTOR

GOVERNOR DAVID F. CARGO

February 14, 1969

Mr. Jason Kellahin Kellahin & Fox Attorneys at Law Post Office Box 1769 Santa Fe, New Mexico Re: Case No. 4044 Order No. R-3675 4044 Applicant:

Continental Oil Company

Enclosed herewith are two copies of the above-referenced Commis-Dear Sir: sion order recently entered in the subject case.

Very truly yours,

A. L. PORTER, Jr.

Secretary-Director

ALP/ir 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. 4044 Order No. R-3675

APPLICATION OF CONTINENTAL OIL COMPANY FOR A HON-STANDARD GAS PRORATION UNIT, LEA COUNTY, NEW MEXICO.

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on February 5, 1969, at Santa Fe, New Mexico, before Examiner Daniel 8. Nutter.

NOW, on this 13th day of February, 1969, 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 bean given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Continental Oil Company, is the co-owner and operator of the Reed A Lease consisting of Section 3, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, the W/2 and W/2 E/2 of which section is included in the Reed-Sanderson Unit Area approved by the Commission by Order No. R-3126, dated October 4, 1966.
  - (3) That by Order No. R-1590, dated February 8, 1960, the Commission approved two non-standard gas proration units in the Eumont Gas Pool in said Section 3, as follows:

A 241-acre non-standard gas proration unit consisting of the NE/4 and E/2 NW/4 of said Section 3, to be dedicated to the applicant's Reed A-3 Well No. 2, located

-2-CASE No. 4044 Order No. R-3675

1980 feet from the North line and 660 feet from the East line of said Section 3, and

A 240-acre non-standard gas proration unit consisting of the SE/4 and E/2 SW/4 of said Section 3, to be dedicated to the applicant's Reed A-3 Well No. 3, located 1980 feet from the South line and 660 feet from the East line of said Section 3.

- (4) That the applicant now seeks the consolidation of the two existing non-standard gas proration units into one 481-acre non-standard gas proration unit in the Eumont Gas Pool comprising the E/2 and E/2 W/2 of said Section 3, said unit to be simultaneously dedicated to the aforesaid Reed A-3 Wells Nos. 2 and 3.
- (5) That the applicant further seeks authority to produce the allowable assigned to the unit from either of the aforesaid wells in any proportion.
- (6) That the applicant further requests that the effective date of the consolidation be January 1, 1967, to coincide with the effective date of the Reed-Sanderson Unit Agreement.
- (7) That the gas and associated liquid hydrocarbon production attributable to the aforesaid 481-acre non-standard gas proration unit has been segregated from all other production from said Reed A-3 Lease as a result of said Reed-Sanderson Unit Agreement.
- (8) That approval of the subject application will relieve the applicant from unnecessary administrative burden.
- (9) That the proposed non-standard gas proration unit can be efficiently and economically drained and developed by the Continental Oil Company Reed A-3 Wells Nos. 2 and 3.
- (10) That approval of the proposed non-standard gas proration unit will afford the applicant the opportunity to produce its just and equitable share of the gas in the Eumont Gas Pool, will prevent the economic loss caused by the drilling of unnecessary wells, will avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.
  - (11) That Order No. R-1590 should be superseded.

CASE No. 4044 Order No. R-3675

#### IT IS THEREFORE ORDERED:

- (1) That a 481-acre non-standard gas proration unit in the Eumont Gas Pool comprising the E/2 and E/2 W/2 of Section 3, Town-ship 20 South, Range 36 East, NMPM, Lea County, New Mexico, is hereby established and simultaneously dedicated to the Continental Oil Company Reed A-3 Well No. 2, located 1980 feet from the North line and 660 feet from the East line of said Section 3, and to the Continental Oil Company Reed A-3 Well No. 3, located 1980 feet from the South line and 660 feet from the East line of said Section 3.
- (2) That the allowable assigned to the above-described non-standard gas proration unit shall be based upon the unit size of 481 acres; that the operator may produce the allowable assigned to the unit from the subject wells in any proportion.
- (3) That Order No. R-1590, dated February 8, 1960, is hereby superseded.
- (4) That the effective date of Paragraphs (1), (2), and (3) above of this order shall be January 1, 1967.
- (5) That the status of the above consolidated unit on the first day of the month succeeding signature of this order shall be the net combined status, as of that date, of the two individual units being consolidated.
- (6) 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 Nexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO

TIL CONSERVATION COMMISSION

DAVID F. CARGO, Chairman

ALEX J. ARMIJO Member

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

oar/

#### DOCKET: EXAMINER HEARING - WEDNESDAY - FEBRUARY 5 1969

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 4036: Application of Mobil Oil Corporation for a dual completion, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its C. L. O'Brien Well No. 1 located in Unit A of Section 7 Township 8 South, Range 30 East, Chaves County, New Mexico, to produce oil from an undesignated Pennsylvanian oil pool and the Lightcap (Devonian) Pool through parallel strings of tubing.

#### CASE 3975 (Reopened):

In the matter of Case No. 3975 being reopened pursuant to the provisions of Order No. R-3618, which order established 80-acre spacing units for the East Bluitt-San Andres Pool, Roosevelt County, New Mexico, for a period of approximately two months. All interested parties may appear and present evidence as to whether the subject area is indeed a separate common source of supply or an extension of the Bluitt-San Andres Gas Pool.

CASE 4010: (Continued from December 27, 1968 and January 8, 1969 Examiner Hearings)

Application of John H. Trigg for a waterflood project, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project by the injection of water into the Grayburg-San Andres formations through his Empire "J" Federal Well No. 1 located in Unit P of Section 1, Township 18 South, Range 26 East, Red Lake Grayburg-San Andres Pool, Eddy County, New Mexico.

CASE 4037: Application of Anadarko Production Company for several water-flood projects and waterflood buffer zones, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute several waterflood projects by the injection of water into the Grayburg and San Andres formations of the Square Lake Pool by the conversion to water injection of its Etz Federal Well No. 3 and its Grier Well No. 14 located, respectively, in Sections 19 and 20 of Township 16 South, Range 31 East, Eddy County, New Mexico. Applicant further seeks the designation of the S/2 SW/4 of said Section 19, the N/2 SE/4 of said Section 19, and the N/2 SE/4 of said Section 20 as waterflood buffer zones with capacity allowables.

-2Docket No. 4-69
February 5, 1969 Examine: Hearing

CASE 4038: Application of Kennedy Oil Company for a waterflood project and waterflood buffer zone, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a water-flood project by the injection of water into the Grayburg and San Andres formations of the Square Lake Pool by the conversion to water injection of its Capper Federal Well No. 2 located in Unit K of Section 19, Township 16 South, Range 31 East, Eddy County, New Mexico. Applicant further seeks the designation of the N/2 SW/4 of said Section 19 as a waterflood buffer zone with capacity allowable.

CASE 4039: The application of the Oil Conservation Commission upon its own motion for an order granting an exception to the ninth paragraph of Chapter II, Section 2 of Order No. R-333-F to permit shutting in gas wells for the required shut-in test at some period during the 1969 test season other than immediately following the 7-day deliverability flow test; further to permit measuring the shut-in test pressure during the 8th to 15th day of shut-in of the well rather than on the 8th day as presently required. The above exceptions would be for the 1969 annual deliverability test season only and would be applicable to all wells in San Juan, Rio Arriba, McKinley and Sandoval Counties, New Mexico, subject to the testing requirements of Chapter II of Order No. R-333-F.

CASE 4023: (Continued and readventised from the January 15, 1969 Regular Hearing)

Application of Ernest A. Hanson for salt water disposal, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Queen formation in the perforated interval from approximately 1724 feet to 1736 feet in his Welch Federal Well No. 2 located 1650 feet from the North line and 2310 feet from the West line of Section 22, Township 19 South, Range 28 East, East Millman Queen-Grayburg Pool, Eddy County, New Mexico.

CASE 4040: Application of Cities Service Oil Company for the institution of gas phorationing in the Ruffalo Valley-Fennsylvanian Gas Pool, Chaves dounty. New Mexico. Applicant, in the above-styled cause, seeks the limitation of gas production from the Buffalo Valley-Pennsylvanian Tas Pool in Chaves County, New Mexico, to reasonable market demand and to the capacity of gas transportation facilities, and that the subject pool be governed by the general rules and regulations for the provated gas pools of Southeastern N-W Mexico insofar as said meneral rules and regulations are not inconsistent with the special rules and regulations governing the subject pool. Further, the applicant proposes that the allowable production from the pool be allocated among the wells in the pool on a 100% surface accease basis.

February 5: 1969 Examine: Heaters Docket No. 4-69

Application of tame ack Patroleum company, inc. for salt, water above in the above in the above in the above intertion. Les country. New Mexico. Application of County New Mexico Applicants in the above injection. Let County New Mexico need needing water styled cause. Seeks an horsely to inject needing all water Injection, Let County, New Maxico, Applicant, in the above styled cause, seeks authority to infect produced salt water styled cause, seeks authority to in the partial interval from 49 into the Onean formation in the partial interval. styled cause; seeks authority to inject produced salt water 4955 into the Queen formation in the performance wall we grand in the feet to shan feet in the mayance would be grand feet to shan feet in the mayance would be grand feet to shan feet in the mayance would be grand feet to shan feet in the mayance would be grand feet to shan feet in the mayance would be grand feet to shan feet in the mayance would be grand for the mayance into the Queen formation in the periodical interval from 4955 feet to 5030 feet in its Texaco Monar Wall No. 25 Page Pearl In its Texaco No. 19 South Bange 15 Page Pearl In its Texaco No. 19 South Bange 15 Page Pearl In its Texaco No. 19 South Bange 15 Page Pearl In its Texaco No. 19 South Bange 15 Page Pearl In its Texaco No. 19 South Bange 15 Page Pearl In its Texaco No. 19 South Bange 15 Page Pearl In its Texaco No. 19 South Bange 15 Page Pearl In its Texaco No. 19 South Bange 15 Page Pearl In its Texaco No. 19 South Bange 15 Page Pearl In its Texaco No. 19 South Bange 15 Page 15 feet to 5030 feet in its Texaco Morat Well No. 2: Located in unit H of Section 77, Township 19 South, Range 35 East, Pearl Order Bool Les Order, New Mexico CASE 4041: Queen pool, Les Coroty, New Mexico.

Application of El Paso Natural Gas Company for an amendment to Application of El Paso Natural Gas Company Maw Maximo Applicant. Application of El Paso Natural seas company for an amendment to in Applicant, and Applicant, New Mexico. Applicant, or order No. R-2948, Rio Applicant, amendment of Order No. R-2948, the amendment of Order No. R-2948, the amendment of Order No. Reserviced cause. urger No. R-2948, Rio Acriba county. New Mexico. Applicant, in R-2948, the above-styled cause, seeks the amendment of Order No. Provetion which order established a number of non-standard das provetion. the above-styled cause, seeks the amendment of Order No. K-2948 which order established a number of non-standard gas projection which order established a number of non-standard county New unite in the Basin-Dakora Cas Bool. which order established a number of non-standard gas profat new units in the pasin-Dakata has to change the accesse dedication applicant nonnegation change the accessed dedications. units in the Basin-Dakata Gas Fool, Blo Attiba County, New Mexico. Applicant proposes to change the acteage dedication desico. Mexico. Applicant Proposes to change the acreage dedication Range 6 West comprising units 12 and 13 of Township 28 North, Range 7 West to and make 14 and 13 of Township 28 North, Range 7 West to comprising units 12 and 13 of Township 28 North, Range 7 West to and Units 16 and 13 of Township 28 North, Range 7 West to CASE 4042:

TOWNSHIP 28 NORTH & RANGE 6 WEST comprise the followings Section 33: N/2 Section 33: 5/2 unit 320 330.71 TOWNSHIP 28 NOFTH & RANGE I WEST 12 pescription 13

section 35s N/2 ACTAS s-colon 35s s/2 unit.

Continued from the Cantaly 8, 1969 Examiner Hearing) Application of company for compulsory pooling, Eddy Application of contagn contagn to compute by protein cause, county, way Maximo, Applicanto in the above in the Morrow county, way maximo, and all morrow coaks an order cooling all morrows. county, New Mexico. Aprilicants in the above etyled cause, an order pooling all managers on a country or seeks an order pooling section a country of the managers of the pooling section and country or sectio seeks an order pooling all magazin interests in the Morrow 24 goods and order pooling all magazin formation underlying Section 8: Township and country New formation underlying Section 8: Township and Fool and Country New formation underlying Section 8: Township and Fool an formation underlying Section to Township 21 South, Range 24

East, North Indian History And to be dedicated to well to be deal of the dedicated to be dedicated to East, North 17th in Historian and Fool, Edity County, New Lied Mexico, Said accessed to he dedicated to he concide and will he Mexico, carlo of all accessed to he concide and will he Mexico. Said accessed to be dedicated to a wall to be considered will be in the SE/4 of Said Section 8. Also to be considered in the costs of deallengt said section. CASE\_4017: in the SE/A of said Section 8. Also to be considered will be the costs of dealling faid well, a characteristic costs. The costs of dealling faid well, a characteristic costs. the costs of dolling said walls to charge too the costs, and a provision for the allocation of said opening costs, the establishment of a provision to: the alice change had espenyles on of each well, the establishment of the distance had espenyles on of each well.

-4Docket No. 4-69
February 5, 1969 Examiner Hearing

CASE 4043:

Application of David Fasken for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying Section 8, Township 21 South, Range 24 East, North Indian Hills-Morrow Sas Pool, Eddy County, New Mexico. Said acreage to be dedicated to a well to be drilled 1980 feet from the North line and 2105 feet from the East line of said Section 8. Also to be considered will be the costs of drilling said well, a charge for the risk involved, a provision for the allocation of actual operating costs, and the establishment of charges for supervision of said well. Case No. 4043 will be consolidated for purposes of hearing with Case No. 4017 which is the application of Corinne Grace for compulsory pooling of the same section.

CASE 4044:

Application of Continental Oil Company for a non-standard gas proration unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the consolidation of two existing non-standard gas proration units into one 481-acre unit comprising the E/2 and E/2 W/2 of Section 3. Township 20 South, Range 36 East, Eumont Gas Pool, Lea County, New Mexico, to be dedicated to its Reed A-3 Wells Nos. 2 and 3 located in Units H and I, respectively of said Section 3, to be effective as of January 1, 1967. Applicant further seeks authority to produce the allowable assigned to said unit from either of the aforesaid wells in any proportion.

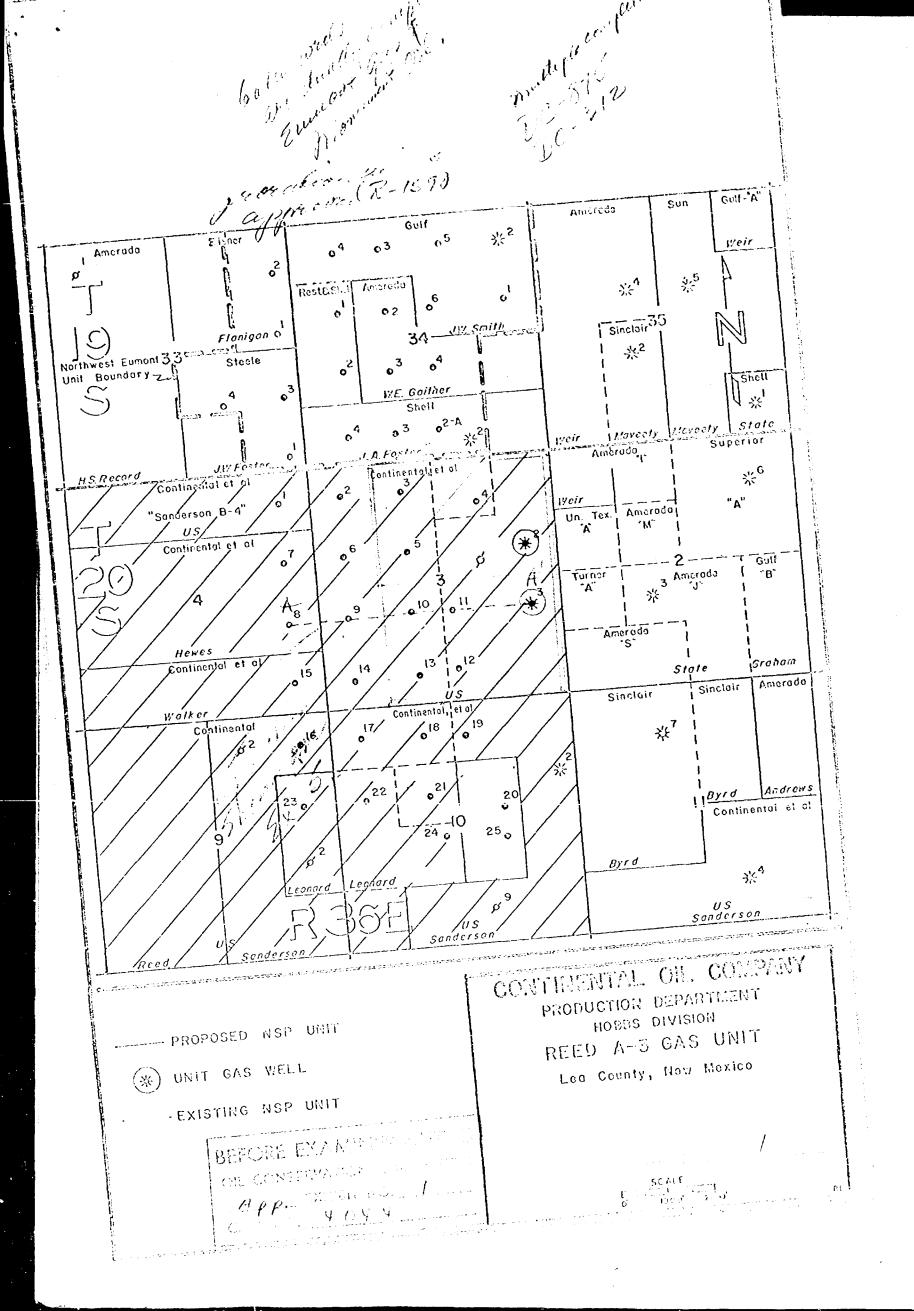
CASE 4045:

Application of H & S Oil Company for an amendment to Order No. R-3357, as amended by Order No. R-3357-A, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-3357, as amended by Order No. R-3357-A, which order authorized the H & S West Artesia Unit Waterflood Project. Applicant proposes to substitute the Roach Drilling Company-Leonard Well No. 18 located in Unit D of Section 17 as a water injection well in said project in lieu of the Cities Service-Mell Well No. 17 located in Unit M of Section 8, both in Township 18 South, Range 28 East, Artesia Pool, Eddy County, New Mexico.

CASE 4030:

(Continued from the January 22, 1969 Examiner Hearing)

Application of Argus Production Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Seven Rivers formation in the perforated and open-hole interval from approximately 3554 feet to 3775 feet in its J. T. Lynn A-28 Well No. 3 located 2310 feet from the South line and 1650 feet from the East line of Section 28, Township 23 South, Range 36 East, Jalmat Yates-Seven Rivers Fool, Lea County, New Mexico.



וואש	1UM CONTE	RACT TES	ST											and the second s
PENA IS	M30 (10-67)								E	M	Stat Las	othes vember	1 1	068
Compa	ny	raum centra con lun	. <b>4</b> (2) (1) (1) (1)			. 2.51 -	and a service of the service of	1.0100	10	2.1	1	verioe1	زائر والو	900 
	ntinentel			-			****		Reed	h-3 1	lo. 2			
Unit H	3	1	. 11 (004.6) 36 (1	Lo	t ea			Post	Day	!				}
Type V			20		Tubing		Caimi	$= \left  T_{2 i} \right  \delta f$ (	Euno	116	Fin. Pich	iuro	Con	greaser ]
	O. Dual		Producing Th				X		3393		1.3			0n
ľ	T Previous Lin	anima Contra.	.9		us Buck	Previous	de Test	Grivity	.680		Menter Stall		Azr	e Partir
	. <b>3-</b> 60			25. 25. FO		nrw	5,5,711,0 <b>2,55</b> ,751,7		.0	a arti est til a arti	1 01.	-102		1.50
			FLOW DATA		************* *************		.ಎ.ಎ ೧೮ ವರ್ಷವಾಗಿ 		FLOW	ING PR	ESSURES,	PSIA		DURATION
Prover Line Size	X	Choke Orifice Size	Statio Pressu Psig	re	Dil h		Temp.		Tubing	) 	C	asing		OF FLOW HOURS
			l <sub>1</sub> ,1	6		gar rooms	8 J. W. 1990 W. 1995 March		The state of the		43	8.2		24
						VOLU	ME CALC	CULATIO	NS	one of the company of the				
	Caellicient (24 + Haur)	-	h <sub>w</sub> P <sub>m</sub>	ı	essure Psia,	F	low Temp. Factor		ravity actor Fg		Super Compi Factor Fpv			Rate of Flow Q-MCFPD@ 15.025 Psia.
			V	OLID	ME THE	ובטינים	VYED BY			,				∠ 2,319
La	<del>Totalium Heliu</del> m			Y110.		12011	.1		1 201			IUT-IN DA	TA P	\
_	$\int_{P_c^2}$	Pd <sup>2</sup>	Γ	Pr	Tec	np. R	Tı	Z	-, }	DUR	ATION	TUBII		CASING
D <sub>t</sub> =	$Q = \begin{cases} P_c^2 - P_c^2 $	P <sub>1</sub> <sup>2</sup>							1		Hour			513.2
	Ε.	-2	L					1	]		Hour			520.2
LINE	ITEM	SOURCE	113.		7	<b>120722.</b> 27	263.2	<u> </u>	613.2		Hour	63.2		523.2
1	P <sub>c</sub> <sup>2</sup>	3001101	<del></del>				203.2 		013.2	Ere <b>setet e</b> r vel		emer ever		
2	Pd <sup>2</sup>		273.7					_						
3	P <sub>1</sub> 2		12.8											
	Pc <sup>2</sup> - Pd <sup>2</sup>		192.0								<b></b>			
4	$P_c^2 - P_d^2$ $P_c^2 - P_t^2$	1 - 2	260.9	)							<u> </u>			
5		1 - 3	81.7											
6	B 	4 ÷ 5	3.193											
7	Log 6		.5043	99							}			
8	nt		.946											
9		7 × 8	.4769	72							ļ			
10	B <sup>n</sup> t	Antilog 9	2.999	}							ļ			
11	Q.MCF/D		2,319								ļ			
12	D <sub>1</sub>	10 × 11	6,955						· · · · · · · · · · · · · · · · · · ·		]			
nt =		Wellhead D c² - Pı²	eliverability				Witnessed 1	By: (Name)				A SECURITY OF THE PROPERTY OF	#-#	and the particular section and the section of the s
Q =	- Actual fl	ew e end o	f Flow Perio	d						en anderson en				
at Wellhead Press., Pt. Company:				Company:										
Pc = Maximum Shut-in Pressure, Psia Observed in a 72 Hour Period				Tested By:					and the second s					

•	Curve (Pe <sup>2</sup> - Pt <sup>2</sup> vs 0)	Witnessed By: (Name)
l	= Actual flow @ end of Flow Period at Wellhead Press., Pt.	Company:
c	= Maximum Shut-in Pressure, Psia	
	Observed in a 72 Hour Period	Tested By:  Jack O. Whitling

Calculated By:

Flowing Wellhead Pressure (tubing if flowing thru tubing and vice versa), I'sia

Pd = Deliverability Pressure, Psia
Dt = Wellhead Deliverability Pressure (Pd), MCF/Day

provide that the second account and the second		, مصالحة
BEFORE EXAMPLE 1		
CHECKINE CONTRACT		
npp	<i>8</i> , ,	
A Commence of the State of the		
The second of th		'

CONTRACT TEST

	 41.001.45.4		
EM	Hoveriter	1,	1968

(10-67)	rel (	
	Reed A-3 No. 3	And the second s
Continental Oil Company	Physont	
Unit See. Tup. 36 Iea	2828 13.2	On
Type Well  G. O. Dual  Date of Freynous Minister Contract and paragraph of the Street Contract of	680 60-99	00 1.50
5-3-68	FLOWING PRESSURES, PS	
FLOW DATA	Casi	ng FLOW HOURS

5-3-68 FLG		FLOWING PRE	SSURES, PSIA	OF
Choke Prover v Orifice	OW DATA Static Diff. Pressure hw	Temp. Tubing of		FLOW HOURS
	All and the state of the state	TIONS		

ł	٠٠٠ ينظ ينظين سير السير المحافة المحافظة المحافظ	
١	WOLUMS	CALCULATIONS Rote of Flow
١	Filters and second on the AOC Ower	CALCULATION  CALCULATION  Super Compress.  Rote of Flow  Q-MCFPD
	Flow	Temps. Grovity Fector 15.0% Psia.
		ctor Factor Fpv
	Coefficient hw Pm Psia.	7 000
	124 - Hour)	1/ 3,292
	The Tamparagara	D BY MAIN OFFICE SHUT-IN DATA, PSIA
		SHUT-IN DATA, PSIA
	the second secon	O. CINC

	r al ni	
D = 0	$\begin{bmatrix} P_c^2 - P_d^2 \\ P_c^2 - P_t^2 \end{bmatrix}$	
$D_1 = Q$	$P_c^2 - P_t^2$	

W 74 + 47 17 17	
7	DURATION TUBING CASING
Pr Temp. R Tr Z	24 Hour 522.2
	48 Hour 527.2
The second secon	062.3

					613.2	863.2	and the second of the second second
		SOURCE	113.2	263.2	613.2	grant and the construction of the design of the	
LINE	ITEM	SOURCE	The second secon	Lang services and		and the special control of the second of the	
1	P <sub>c</sub> <sup>2</sup>		275.8	Marrie F. (See, F. See), control of the Marrie A. (1997) and the Marrie A. (1997).		produced the first the second second first of productions about the second second second second second second	The state of the s
2	Pd <sup>2</sup>		12.8	The second to the second of th		and the second of the commence	And the state of t
3	P, 2		203.6		The second section of the section of the second section of the section of the second section of the secti		The second secon
4	Pc2 - Pd2	1 - 2	263.0	and the second s	and the second s		
1	Pc2 - Pt2		72.2				
6	В	4 ÷ 5	3.643				Andrew on the second of the se
7	Log 6		.561459				
8			.566				
		7 × 8	.317786		and the second s		
10	Bnt	Antilog 9	1 1				
11			3,295				
1		10 x 11	6,850		The second secon	au the earth of the	
							والأنف فعلما والمعاري والمسارر والمراز

n ţ	=	Slope of Wellhead Deliverability
		Curve (Pe2 - Pt2 vs Q)

= Actual flow 2 end of Flow Period at Wellhead Press., Pt.

Pe = Maximum Shut-in Pressure, Psia

Observed in a 72 Hour Period

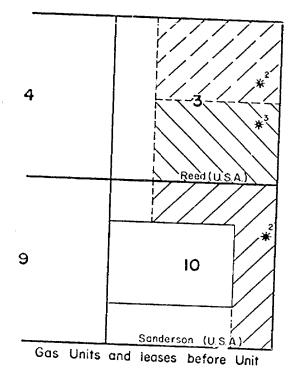
Pt = Flowing Wellhead Prosence (tubing if flowing thru tubing and vice versa), Psia

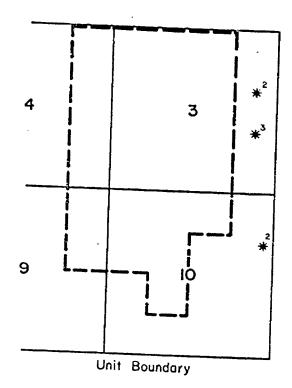
Pd = Deliverability Pressure, Psia

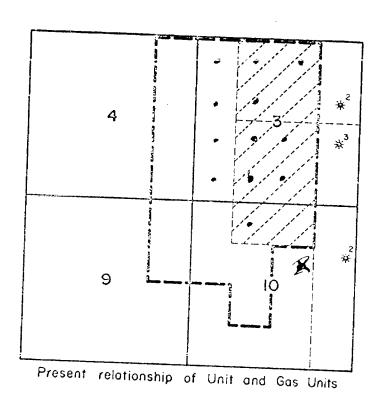
D<sub>1</sub> = Wellhead Deliverability : Deliverability Pressure (Pd), MCF D as

Windows Street City City City City City City City Cit						
Witter of Eve Of the		e Van en en en en en en en				
ryac sa likiwa		westling				
The state of the s	Jack O.	whithing				

# REED SANDERSON UNIT AND OVERLYING GAS PRORATION UNITS, T20S-R36E Lea County, New Mexico

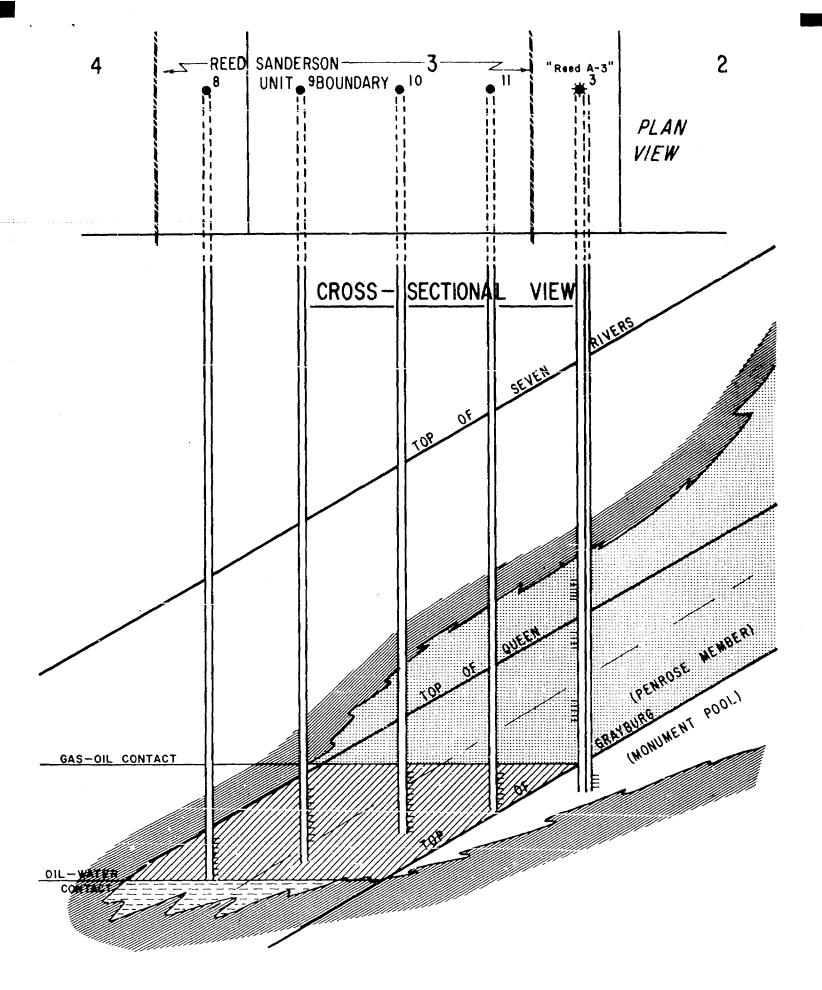






BEFORE PRANTINGS AND Unit Acreage included in Gas Unit

4



PRODUCTIVE

OIL PRODUCTIVE

WATER PRODUCTIVE

DENSE, NON-PRODUCTIVE

N'50.20

It is hereby agreed that the Unit Agreement for the Development and Operation of the Reed Sanderson Unit, Lea County, New Mexico, shall be amended by changing paragraph (g) of Section 2 to read as follows:

"(g) "Unitized Substances" means all oil, ges, gaseous substances, sulphur contained in gas, condensate, distillate, and all associated and constituent liquid or liquefiable hydrocarbons within or produced from the Unitized Formation; save and except any part of any of the enumerated substances which are committed to a gas proration unit approved prior to November 1, 1967, the well for which is located outside of the Unit Area."

It is understood that the words that have been underlined above have been added to the paragraph as it originally appeared in the Unit Agreement initially approved and which became effective January 1, 1967, that no words have been deleted and that the Unit Agreement shall remain unchanged hereby except as specifically shown above.

1, 1967.	The effective d	ate of th	is amendment	shall be	January	FL APPEUL
15001.				• • •	· · · · · · · · · · · · · · · · · · ·	17:2
•			CONTINENTAL O	II. COMPANY		THAT DE
•			By: 200	5, (		
ama mer on	2 A V at an		Attorne	y-in-Fact	.1.4	
STATE OF	TEXAS			•		
COUNTY OF	HARRIS					
Marine Control of the	The foregoing indicate the day of December Continental Oil Con	per , 196	8, by <u>v. c.</u>	Eissler, Att		
(a corpora	ation, on ochali	of said	corporation)	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )		7
My Commis	sion Expires;		Notary Aub	unitaral	whey Gor	
· Jung	<u>c 1, 1969</u>	arisa gara des	O	s County,	TEXA	() () E
		الاستان المستريد الم المستريد المستريد ا				

Approved DEC 31 1968

Effective JAN 1 1967

Regional Of and Cas Supervisor

SULLS COLOCION SULVEY

TABBIT PRO

STATE OF NEW MUNICO COUNTY OF LEA

ではのはの



### UNITED STATES DEPARTMENT OF THE INTERIOR

### GEOLOGICAL SURVEY

Drawer 1857 Roswell, New Mexico 88201

December 31, 1968

Continental Oil Company P. O. Box 460 Hobbs, New Mexico 88240

Attention: Mr. L. P. Thompson

#### Gentlamen:

On December 31, 1968, the amendment of Section 2(g) of the Read Sanderson unit agreement, Lea County, New Mexico, No. 14-08-0001-8822, was approved effective as of January 1, 1967. This amendment was given preliminary approval by Survey letter of February 13, 1968.

The amendment modifies Section 2(g) of the unit agreement to provide that the portion of the gas production allocated to certain lands within the unit area from Queen gas wells located outside the unit area will not be considered unitized substances. The amendment has been executed by all of the owners of committed working interests and nonworking interests with the exception of Mr. H. S. Moss, working interest owner of tract 2-B. You advise that Mr. Moss is ill and unable to transact business at this time.

Copies of the amendment are being distributed to the appropriate Federal agencies and two copies are returned herewith.

Sincerely yours,

JOHN A. ANDERSON

when the bullion

Regional Oil and Gas Supervisor STATE OF THEY MENTOO

COUNTY OF LEV 1453 34

USER OF HAL



# CONTINENTAL OIL COMPANY

P. O. Box 460

Hobbs, New Mexico 88240

Pace 4644

1001 NORTH TURNER TELEPHONE 393-4141

PRODUCTION DEPARTMENT HOBBS DIVISION
L. P. THOMPSON Division Manager G. C. JAMIESON Assistant Division Manager

January 17, 1969

HA 40 44

New Mexico Oil Conservation Commission P. 0. Box 2088 Santa Fe, New Maxico

Attention of Mr. A. L. Porter, Jr., Secretary-Director

Re: Application for approval of 481-acre Non-Standard Proration Unit, Section 3, T-20S, R-36E, Lea County, New Mexico

Confirming the telephone conversation between your Mr. Hatch Gentlemen: and our Mr. Lyon, we forward herewith in triplicate an application for hearing for the captioned unit. The proposed NSP unit is a consolidation of two existing NSP units established by Order R-1590.

All interests in both units are identical. It is requested that the effective date be made co-incident with the Reed Sanderson Unit Agreement, January 1, 1967, in order to qualify the communitization of the acreage for federal approval.

Please set this matter for hearing on your February 5, 1969, examiner docket.

Than som Yours very truly,

VTL-JS Attach

RLA JJB JWK

PROGRESS SINCE 1875 PIONEERING IN PETROLEUM

अ अस्त का अस्त छ।

IN THE MATTER OF THE APPLICATION OF CONTINENTAL OIL COMPANY FOR ESTABLISHMENT OF A 481-ACRE NON-STANDARD GAS PRORATION UNIT IN THE EUMONT POOL TO BE EFFECTIVE COINCIDENTLY WITH THE REED SANDERSON UNIT AGREEMENT AND TO BE DEDICATED JOINTLY TO ITS REED A-3 WELLS NOS. 2 AND 3, LOCATED IN SECTION 3, TOWNSHIP 20 SOUTH, RANGE 36 EAST, LEA COUNTY, NEW MEXICO, AND FOR APPROVAL TO PRODUCE THE UNIT ALLOWABLE BY SAID WELLS IN ANY PROPORTION

Core 4044

#### APPLICATION

comes Now, Continental Oil Company and respectfully requests establishment of a 481-acre non-standard gas proration unit in the Eumont Gas Pool consisting of the E/2 and E/2 W/2 of Section 3, T-20S, R36E, to be effective coincidently with the Reed-Sanderson Unit Agreement, and to be allocated jointly to its Reed A-3 Wells Numbers 2 and 3, located in Units H and I, respectively, of said Section 3, and for approval to produce the unit allowable by said wells in any proportion, and in support thereof would show:

- That applicant is operator and co-owner of the Reed A-3 Lease consisting of Section 3, T-20S, R-36E, Lea County, New Mexico.
- 2. Applicant has heretofore drilled and dually completed in the Monument Oil Pool and Eumont Gas Pool its Reed A-3 Well No. 2, located 1980 feet from the north line and 660 feet from the east line of said Section 3, and its Reed A-3 Well No. 3, located 1980 feet from the south line and 660 feet from the east line of said Section 3.
- 3. That Order No. R-1590 established a 241-acre non-standard gas proration unit for well No. 2 and a 240-acre non-standard gas proration unit for Well No. 3, as shown on the attached plat.
- 4. That the said Reed A-3 lease has been segregated by virtue of the formation of the Reed Sanderson Unit and it has be-

come necessary to communitize the leases in order to preserve the said gas proration units, said communitization became effective January 1, 1967, coincident with the effective date of the Reed Sanderson Unit.

- 5. That it is desirable, for greater producing flexibility and to prevent future hearings for re-allocation of acreage between the wells, to assign the entire communitized acreage to the two wells jointly.
- 6. That the granting of this application is in the interest of preventing waste and will not impair correlative rights.

WHEREFORE, Applicant respectfully requests that this application be set for hearing before the Commission's duly appointed examiner, and that upon hearing, an order be entered approving a 481-acre non-standard gas proration unit in the Eumont Pool for the Reed A-3 Wells Nos. 2 and 3 as described above.

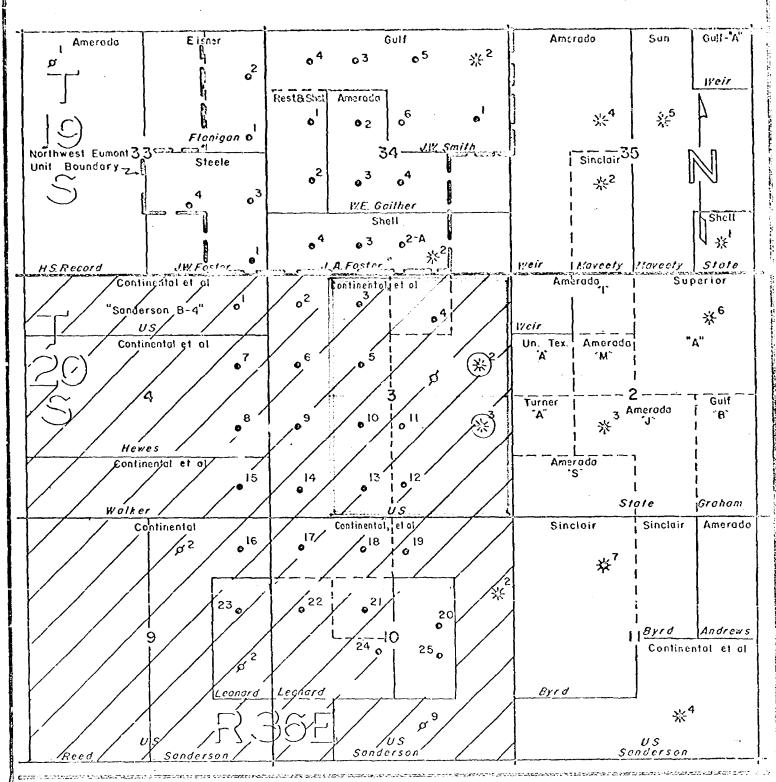
Respectfully submitted,

CONTINENTAL OIL COMPANY

I. P. Thompson

VTL-JS

Casi 4044



- PROPOSED NSP UNIT

W UNIT GAS WELL

-EXISTING NSP UNIT

CONTINENTAL OIL COMPANY

PRODUCTION DEPARTMENT
HOBBS DIVISION
REED A-3 GAS UNIT
Lea County, New Mexico

SCALE

GMH/esr

## 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:

SUR

CASE No. 4044

Order No. R-36/5

APPLICATION OF CONTINENTAL OIL COMPANY FOR A NON-STANDARD GAS PRORATION UNIT, LEA COUNTY, NEW MEXICO.

Wil

#### ORDER OF THE COMMISSION

#### BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on February 5 , 1969 , at Santa Fe, New Mexico, before Examiner Daniel S. Nutter .

NOW, on this <u>day of February</u>, 196<u>9</u>, 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, Continental Oil Company, is the co-owner and operator of the Reed A Lease consisting of Section 3, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, the W/2 and W/2 E/2 of which section is included in the Reed-Sanderson Unit Area approved by the Commission by Order No. R-3126, dated October 4, 1966.
- (3) That by Order No. R-1590, dated February 8, 1960, the Commission approved two non-standard gas proration units in the Eumont Gas Pool in said Section 3, as follows:

A 241-acre non-standard gas proration unit consisting of the NE/4 and E/2 NW/4 of said Section 3, to be dedicated to the applicant's Reed A-3 Well No. 2, located 1980 feet from the North line and 660 feet from the East line of said Section 3, and

-2-CASE No. 4044

A 240-acrc non-standard gas proration unit consisting of the SE/4 and E/2 SW/4 of said Section 3, to be dedicated to the applicant's Reed A-3 Well No. 3, located 1980 feet from the South line and 660 feet from the East line of said Section 3.

- (4) That the applicant now seeks the consolidation of the two existing non-standard gas proration units into one 481-acre non-standard gas proration unit in the Eumont Gas Pool comprising the E/2 and E/2 W/2 of said Section 3, said unit to be simultaneously dedicated to the aforesaid Reed A-3 Wells Nos. 2 and 3.
- (5) That the applicant further seeks authority to produce the allowable assigned to the unit from either of the aforesaid wells in any proportion.
- (6) That the applicant further requests that the effective the date of the consolidation be January 1, 1967, coincidental with the Reed-Sanderson Unit Agreement.

(7) That the gas and associated liquid hydrocarbons production attributable to the aforesaid 481-acre non-standard gas provation unit has been segregated from all other production from said Reed A-3 lease as a result of said Reed Sanderson Unit Agreement with littlette was infifteent from all subject application.

- (4) That the proposed non-standard gas proration unit can be efficiently and economically drained and developed by the Continental Oil Company Reed A-3 Wells Nos. 2 and 3.
- That approval of the proposed non-standard gas proration unit will afford the applicant the opportunity to produce its just and equitable share of the gas in the Eumont Gas Pool, will prevent the economic loss caused by the drilling of unnecessary wells, will avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.
  - (b) (10) That Order No. R-1590 should be superseded.

appeared

#### IT IS THEREFORE ORDERED:

- (1) That a 481-acre non-standard gas proration unit in the Eumont Gas Pool comprising the E/2 and E/2 W/2 of Section 3, Township 20 South, Range 36 East, NMPM, Lea County, New Mexico, is hereby established and simultaneously dedicated to the Continental Oil Company Reed A-3 Well No. 2, located 1980 feet from the North line and 660 feet from the East line of said Section 3, and to the Continental Oil Company Reed A-3 Well No. 3, located 1980 feet from the South line and 660 feet from the East line of said Section 3.
- (2) That the allowable assigned to the above-described non-standard gas proration unit shall be based upon the unit size of 481 acres and that the operator may produce the allowable assigned to the unit from the subject wells in any proportion

(3) That Order No. R-1590, dated February 8, 1960, is hereby superseded.

Paragraphs (1),(2), and (3) above

(4) That the effective date of this order shall be January

1, 1987.

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

designated.

(5) That the status of the show consolidated and the first day of the month with succeeding signature of this order succeeding signature of this order. Shall the their individual units being consolitated that the two individual units being consolitated that

Via, bue from vee Fyon 11-16-69 In the matter of the application of Centiral Oil Co. for establishment UT a 481-acre hun-stending yes provation senit in the Ecement Poul to li effective cor coincidently with the Red Handerson Unit agreement and to be delicated jointly to its Reed A-3 Weller Nos. 2 and 3 located in Keet 3, T205, R36 E, Lea Ca., N.M. and for approval to produce the unil allawable by said wells in any proportion. Effet. date of Red Landen-Wind agreement is Jan 1, 1967. = R-1590 = For Junpour ) Federal approval -E/2 and E/2 W/2 1940 FNL 660 FEL-#2 1980 FSL 660 FEX