BOVERNOR JACK M. CAMPBELL CHAIRMAN

State of New Mexico

Bil Conserbation Commission

LAND COMMISSIONER E. B. JOHNNY WALKER MEMBER

DOCKET MAILED



P. D. BOX 871 SANTA FE December 7, 1964

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

3112 and 3156

Mr. Jason Kellahin	DOCKET MAILEDO:	Case No. 311	2 and 3156
Kellahin & Fox Attorneys at Law	Date 6.16-65	Order No. A-2	824 and R-2825
Post Office Box 1769	3		
Santa Fe, New Mexico	DOCKET MAILED	Continental	Oil Company
	Date 5-27-65		
Dear Sir:	Julio A		
	erewith are two co	pies of the above	
Commission order re	ecently entered in	the subject car	50.
	Verv	truly yours,	
		Porter,	7
	U_{i}^{\prime}	Center !	1
		. PORTER, Jr.	
	Secr	etary-Director	
ir/			
•			
Carbon copy of orde	er also sent to:		
Hobbs OCCx			DOCKET MAILED
Artesia OCC	DOCKET	MAILED	• *
Astec OCC x (R-	-2824)	5-27-65 Am	000 6-16-65°
OTHER R-2824 sent			Oil Co., Durango , Colo
			Denus Colo

State of New Mexico

Bil Conservation Commission

LAND COMMISSIONER GUYTON B. HAYS MEMBER



P.O.BOX 2088 SANTA FE

August 16, 1965

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

Re: Case No. 3281
Order No. R-2824-A,
Applicant: R-2947 & R-2949

Continental & Samuel Dunn

Dear Sir:

ir/

Mr. Jason Kellahin

Santa Fe, New Mexico

Kellahin & Fox Attorneys at Law Post Office Box 1769

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

Very truly yours,

A. L. PORTER, Jr.

Secretary-Director

•				
Carbon copy	of order	also	sent	to:
Hobbs OCC	×			
Artesia OCC_				
Aztec OCC _	x			
OTHER				

OIL CONSERVATION COMMISSION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

-2- October 3, 1968

Continental Oil Company 200 Morth Wolcott Casper, Wyoming

Future applications for administrative approval utilizing the newly authorised equipment will be accepted if filed in accordance with the provisions of Order No. N-2978.

Very truly yours,

A. L. PORTER, Jr. Secretary-Director

ALP/DSE/esz

cc: United States Geological Survey Attention: Mr. John Anderson Drawer 1857 Roswell, New Mexico 88201

> United States Geological Survey Attention: Mr. Phil McGrath P. O. Box 959 Farmington, New Mexico 87401

> Oil Conservation Commission Attention: Mr. Mmery C. Arnold 1000 Rio Brasos Road Autoc, New Mexico 87410

LAW OFFICES OF

JOHN F. RUSSELL

SUITE 1010 SECURITY NATIONAL BANK BUILDING
P. O. DRAWER 640
ROSWELL, NEW MEXICO 88201

TELEPHONE 622-4641 AREA CODE 505

August 17, 1966

Miss Ida Rodriguez Secretary to Director New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

RE: Transcripts of Hearing

Case No. 3112

Dear Ida:

I return herewith the two transcripts of hearing which you so kindly furnished me.

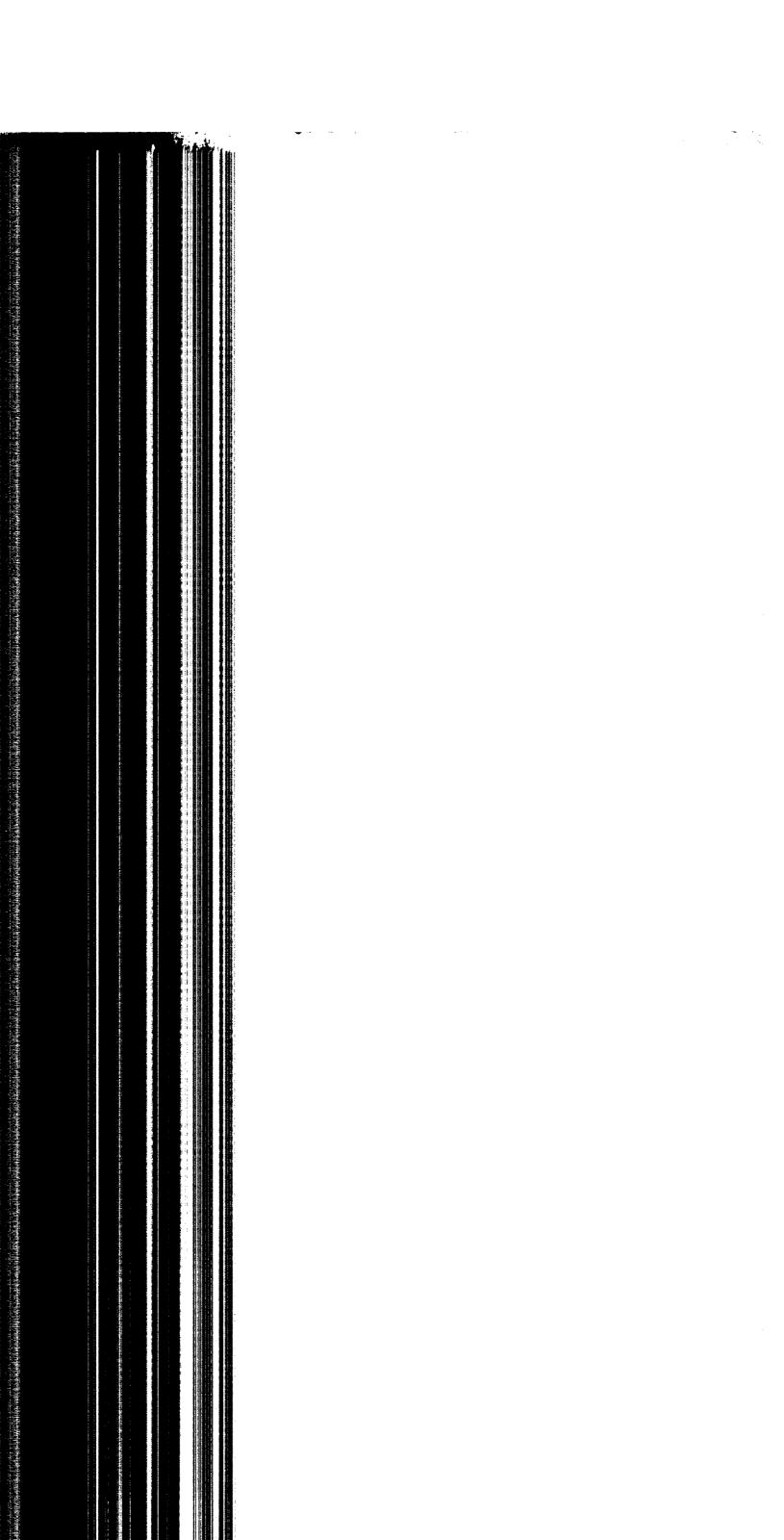
Thanking you for your courtesy and cooperation in this matter, I remain

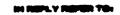
Very truly yours,

John F. Russell

JFR:b1

Enclosures







UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

P. O. Drawer 1857 Roswell, New Mexico 88201

RECEIVED
DURANCE PROD

SEP 25 1964

OFFICE MGR.

See French 21, 1960 A

AS 1. No.

DIST. FNG.

Continental Oil Company P. O. Box 3312 Durango, Colorado

Attention: Mr. H. D. Haley

Gentlemen:

Your letter of August 11, with attachments, requests approval to commingle oil production from the Gallup and Dakota formations in your well No. 28-1 Jicarilla Apache on Jicarilla tribal Contract No. 66.

According to the system, as outlined in your proposal, communication between the reservoirs will be accomplished by the use of a downhole separation tool. By additional information submitted in a separate letter on September 8 you state the production from each reservoir will be allocated through the testing of each zone by manually blanking off one zone in the separation tool and producing the other sone. Form 9-361, Lessee's Monthly Report of Sales and Royalty, must show all computations used in the calculation of oil volume for each formation.

The method you propose for the downhole commingling is hereby approved. Any change in the system must be approved by this office.

Sincerely yours,

en à anderson

Regional Oil & Gas Supervisor



CONTINENTAL OIL COMPANY

P. O. Box 3312 Durango, Colorado August 11, 1964 3//2

1210

DOCKET MAILED

New Mexico Oil Conservation Commission (3) P. O. Box 2088 Santa Fe, New Mexico

Attention: Mr. A. L. Porter - Secretary Director

Gentlemen:

A hearing before the New Mexico Oil Conservation Commission is requested for the purpose of presenting application by Continental Oil Company to install a downhole commingling tool on a test basis in an existing Gallup-Dakota dual-oil completion well. The test well is <u>Jicarilla 28 Well No. 1</u>, located in Unit J, Section 28, 725N, 24W, Rio Arriba County, New Mexico.

The two sources of supply are commonly owned and the proposed downhole installation is intended to prevent communication between the two reservoirs at all times. Application on a one-well test basis is proposed so that data and procedures for such tests as packer leakage and communication tests and production allocation tests can be established. The comminging installation will be observed to determine the effectiveness of the installation.

The primary purpose of the installation and testing is to eshablish a method whereby further development of the 16-section West Lindrith block in 725N, R&W, can be economically justified. Past producing histories indicate that further development cannot be economically justified by conventional single and dual completion methods and present producing methods.

The following data and exhibits are attached for preliminary information:

- Lease plat showing wells on the lease and pools from which each are producing.
- 2. Data requirements for surface commingling installations.

- 3. Log of Jicarilla 28 Well No. 1, showing formation tops and location of present retainer production packer and perforations in the Gallup and Dakota formation.
- 6. Schematic diagram of Otis Engineering Corporation's "Dual Flow Choke Assembly" downhole commingling tool.
- 5. Schematic diagram showing present and proposed installations in Jicarilla 28 Well No. 1.
- 6. Composite Performance Curve for a typical Jicarilla Gallup and Dakota well.

If additional information is required, please advise.

Very truly yours,

H. D. Haley

District Manager

Durango District

Production Department

GAB/ca

cc: Mr. E. A. Austin, Continental Cil Company, Denver, Colorado (2)
U. 3. Geological Survey, Roswell, New Mexico (1)

DATA RIQUIREMENTS FOR SURPACE COMMINGLING INSTALLATIONS

Average Daily Oil Production for 90-Day Period:

Jicarilla 28 Well No. 1	Gallup	Dakota
·Hay	13 BOPD	8 BOPD
June	13 BOP9	5 BOPD
July	10 BOPD	g bold

Top Unit Allowable: Gailup - 124 BOPD Bakota - 164 BOPD

Crude Purchaser: Liaves Pipeline Ltd. - Farmington, New Mexico

Royalty Interest Owner: Jicarilla Apache Tribe Liquid Hydrocarbon Gravities: Callup - 44.40 API Dakota - 48.4° API

Commingled Liquid Hydrocarbon Gravity - 46° API
Commingled gravity on adjacent lease (Jicarilla 22) over a six-month period has averaged 45.3° API.

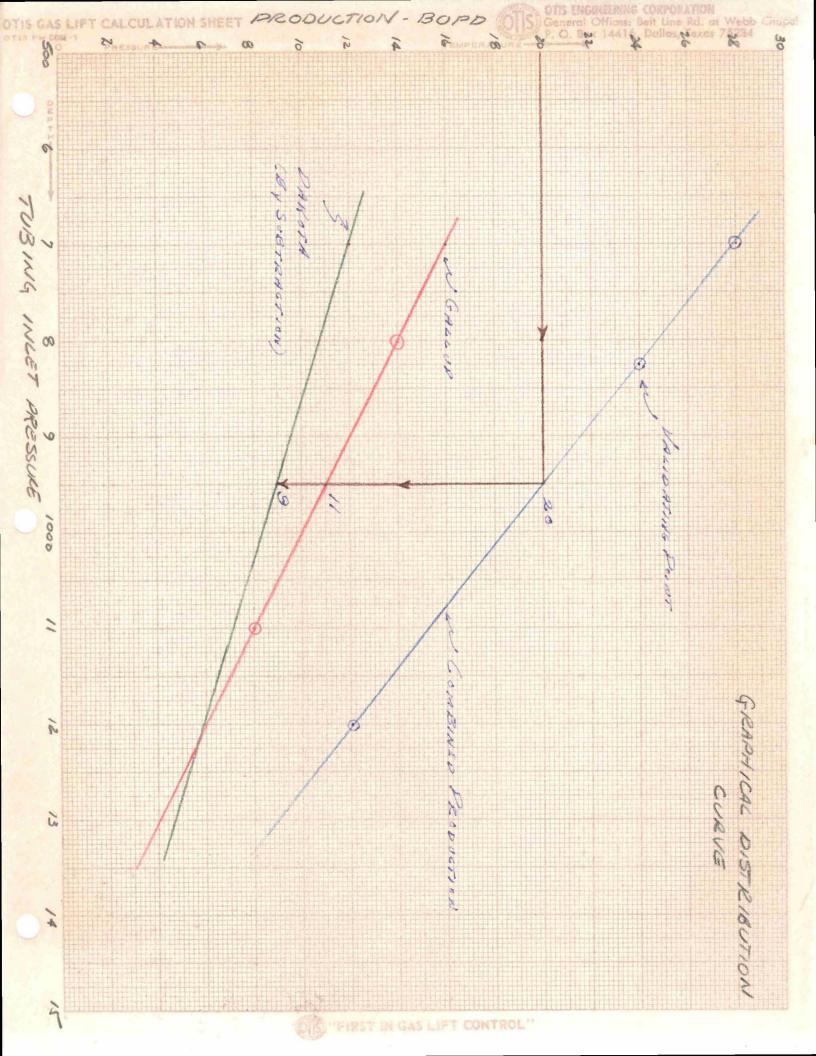
Value of 44.4° API Crude = \$2.35 per barrel Value of 48.4° API Crude = \$2.35 per barrel less \$.08 = \$2.27 Value of 46° API Crude = \$2.35 per barrel less \$.02 = \$2.33

Anticipeted Producing Rates: Gallup - 14 BOFB Dakota - 8 BOPD

Value Calculations: Gallup 14 BOPD x \$2.35 = \$32.90 Dakota 8 BOPD x \$2.27 = 13.16 Total Separate Value = \$50.06/Day

Commingled Value - 22 BOPD x \$2.33 = \$51.26/Day

The value of the commingled production will not be less than the value of the production from each common source of supply.





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UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY

P. O. Drawer 1857 Roswell, New Mexico 88201

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	GAB	8	1
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Continental Oil Company P. O. Box 3312 Durango, Colorado

Attention: Mr. H. D. Haley

Gentlemen:

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According to the system, as outlined in your proposal, communication between the reservoirs will be accomplished by the use of a downhole separation tool. By additional information submitted in a separate letter on September 8 you state the production from each reservoir will be allocated through the testing of each zone by manually blanking off one zone in the separation tool and producing the other zone. Form 9-361, Lessee's Monthly Report of Sales and Royalty, / must show all computations used in the calculation of oil volume for each formation.

The method you propose for the downhole commingling is hereby approved. Any change in the system must be approved by this office.

Sincerely yours,

JOHN A ANDERSON

Regional Oil & Gas Supervisor

SUN OIL COMPANY

MILLARD MOOR MANAGER FRED E. BUCHANAN ASSISTANT MANAGER GULF COAST DIVISION THE PETROLEUM BUILDING P.O. BOX 2831 BEAUMONT, TEXAS 77704

October 5, 1964

1/10

Mr. Elvis A. Utz P. O. Box 2088 Santa Fe. New Mexico 87501

Dear Elvis:

I am very appreciative of the time you and Jim Kapteima made available to Billy Hodges and me last Tuesday afternoon for a discussion of the Otis multiple completion choke assembly and our observations of its use.

Billy and I have each been acquainted with Karl Tunstall for the past three years. His experience with the use of this multiple completion tool has been abundant and he is well qualified to discuss and demonstrate the use of the tool.

Neither Billy nor I had met any of the Continental personnel prior to Tuesday, but I was very favorably impressed with the preparation George Brown appeared to have made for the presentation.

Yours very truly,

Joe A. Owens/smh



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CONTINENTAL OIL COMPANY

LEGAL DEPARTMENT

A. T. SMITH GENERAL ATTORNEY C. R. HAMPTON F. E. RADLOFF

G. H. MAYBERRY
C. R. ROBERTS
J. D. TRESNER
ATTORNEYS

1755 GLENARM PLACE DENVER, COLORADO 80202 August 2, 1965

Mr. D. S. Nutter, Chief Engineer New Mexico Oil Conservation Commission P. O. Box 871 Santa Fe, New Mexico

> RE: Case 3112, Hearing of July 28, 1965, in regard to Order No. R-2824 authorizing Gallup-Dakota commingling in the wellbore of Jicarilla 28 Well No. 1, Rio Arriba County, New Mexico

Dear Mr. Nutter:

In response to your request at the above captioned hearing, I am providing you the recommendations of Continental Oil Company as stated by Mr. George Brown at the close of direct examination of him by me. The following is the verbatum response of Mr. Brown.

"Initially we request and recommend that Continental Oil Company be permitted here today to continue producing the Jicarilla 28 Well No. 1 with the dualflow choke installed in it until such time as the Commission announces its ruling with respect to the hearing today.

We recommend that the Commission grant Continental Oil Company approval to install such a dualflow choke in the Jicarilla 28 Well No. 1 and to install such a dualflow choke in any existing Gallup-Dakota marginal oil wells located on its acreage in the West Lindrith Field and in any Gallup-Dakota marginal oil wells which may be drilled on its acreage in the West Lindrith Field,

PETROLEUM PROGRESS SINCE 1875 PIONEERING I N

Mr. D. S. Nutter August 2, 1965 Page 2

the acreage being shown on Exhibit 1 of the hearing of September 30, 1964 and specifically that:

- (1) The Commission make provision for administrative approval of future downhole commingling installations by use of the dualflow choke in existing Gallup-Dakota marginal oil wells and any Gallup-Dakota marginal oil wells which may be drilled within the Continental Oil Company's West Lindrith acreage which consists of four Jicarilla apache leases covering Sections 15 through 22 and 27 through 34, T 25 N, R 4 W, Rio Arriba County, New Mexico;
- (2) Application for such administrative approval be filed in triplicate with the Commission and such applications contain detailed data as to gravity, value and volume of the liquid hydrocarbons from each pool, expected gravity and value of the commingled liquid-hydrocarbon production, a schematic diagram of the proposed installation, a plat showing the location of all wells on applicant's lease and the pool from which each well is producing, and whether the actual commercial value of the commingled production will be less than the sum of the values of the production from each common source of supply and if so how much less;
- (3) Allocation of production to the Gallup and Dakota zones be by the subtraction method based on annual production tests of the commingled Gallup-Dakota and the Dakota at stabilized production rates;
- (4) Continental conduct a packer leakage test and a seal leakage test upon installation of the dualflow choke;
- (5) Continental conduct a production test of the commingled Gallup-Dakota and of the Dakota upon installation of the dualflow choke and annually thereafter;
- (6) Continental conduct an annual packer leakage test with respect to each well so equipped;
- (7) Continental be granted an exception to Rule 303A and any other applicable Rules for the permanent installation of the dualflow choke in the Jicarilla 28 Well No. 1 and in any existing

Mr. D. S. Nutter August 2, 1965 Page 3

Gallup-Dakota marginal oil wells or Gallup-Dakota marginal oil wells which may be drilled on Continental Oil Company's West Lindrith acreage, the location of which I have already described."

If we can provide you additional information, please do not hesitate to call on us.

Best Personal Regards,

Charles R. Roberts

Attorney

CRR: kn

cc: Mr. J. M. Durrett, Jr. Mr. George Brown



SHELL OIL COMPANY

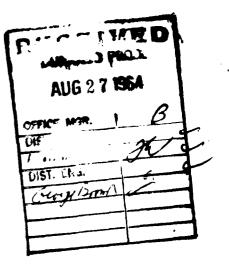
P. O. BOX 2099
NOUSTON, TEXAS 77001

August 25, 1964

Subject: Jicarilla Apache 28 Well No. 1

Sec. 28, T-25-N, R-4-W

Rio Arriba County, New Mexico



Continental Oil Company P. O. Box 3312 Durango, Colorado

Attention Mr. H. D. Haley

Gentlemen:

In response to your letters of August 14, 1964, and August 21, 1964, and based on the facts set out therein, this is to advise that Shell Oil Company, as purchaser of the crude oil production, does not object to commingling the Gallup and Dakota production from the subject well.

Please advise us of the effective date of such commingling.

Yours very truly,

B. G. Crocker

Crude Oil Representative

DKB:SMP

DATA REQUIREMENTS FOR SURFACE COMMINGLING INSTALLATIONS

Average Daily Oil Production for 90-Day Period:

Jicarilla 28 Well No. 1	Gallup	Dakota
May	13 BOPD	8 BOPD
June	13 BOPD	5 BOPD
July	10 BOPD	8 BOPD
	Mi- 46.0 - 2.35	2.74

Top Unit Allowable: Gallup - 124 BOPD - 46.0 2.35 Pakota - 164 BOPD

Crude Purchaser: Llaves Pipeline Ltd. - Farmington, New Mexico

Royalty Interest Owner: Sicarilla Apache Tribe Liquid Hydrocarbon Gravities: Gallup • 44.40 API

Dakota - 48.40 API Commingled Liquid Hydrocarbon Gravity - 46° API

Commingled gravity on adjacent lease (Jicarilla 22) over a six-month period has averaged 45.30 API.

Value of 44.4° API Crude = \$2.35 per barrel Value of 48.4° API Crude = \$2.35 per barrel less \$.08 = \$2.27 Value of 46° API Crude = \$2.35 per barrel less \$.02 = \$2.33

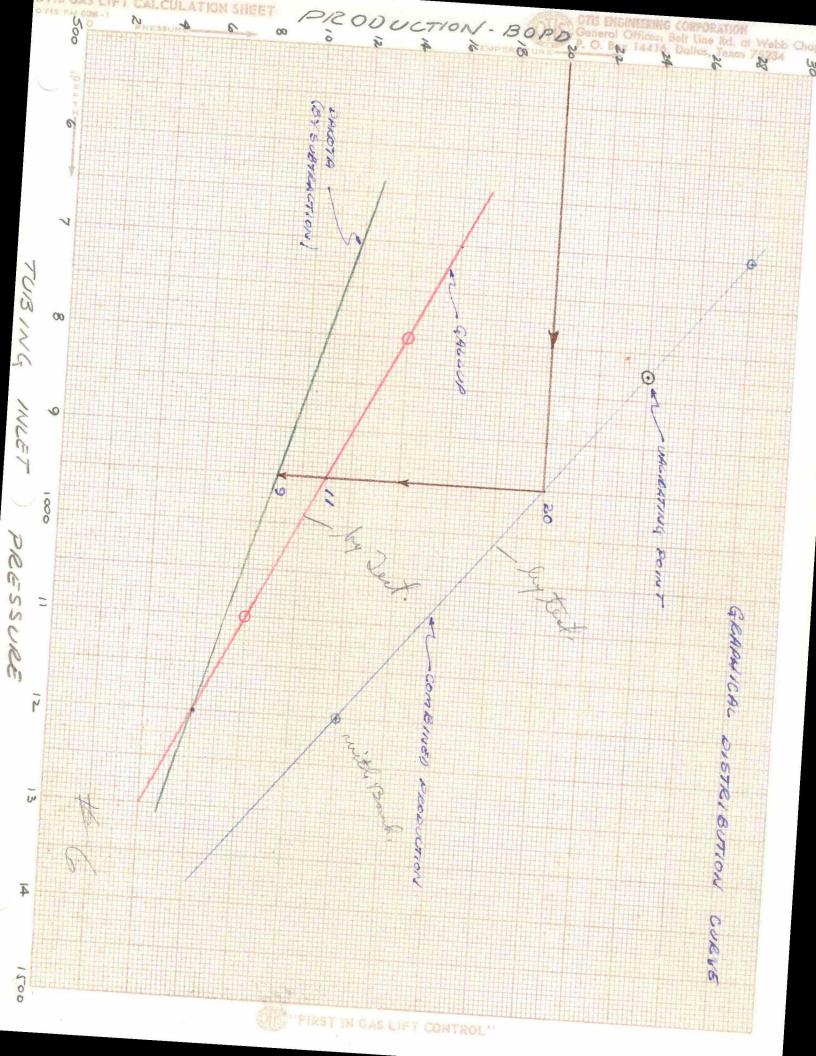
Anticipated Producing Rates: Gallup - 14 BOP9 Dakota - 8 BOPD

Value Calculations: Gallup 14 BOPD x \$2.35 = \$32.90

Dakota 8 BOPD x \$2.27 = 18.16 Total Separate Value = \$50.06/Day

Commingled Value - 22 BOPD x \$2.33 = \$51.26/Day

The value of the commingled production will not be less than the value of the production from each common source of supply.



Railroad Commission of Texas

COMMISSIONERS

BEN RAMSEY

Chairman

ERNEST O. THOMPSON

WILLIAM J. MURRAY, JR.

O. D. HYNDMAN, Secretary

OIL AND GAS DIVISION



HARRY M. BATIS
Chief Supervisor
ARTHUR H. BARBECK
Chief Engineer
ROSS BELL
Chief Accountant

March 21, 1963

Sun Cil Company Box 2631 Beaumont, Texas

ATTEMTION:

Mr. Joe A. Owens & Mr. J. W. Hodges

IN RE:

Rule 15 exception in the STOWELL FIEIDS, Chambers County.

Gentlemen:

The Commission, at conference March 21, 1963, approved your application for permission to operate a multiple completion choke assembly in your Hankamer Well No. 2-C and No. 2-T in the Stowell Fields. Testimony offered at the hearing indicated oil would be produced from the Upper Discorbis Zone through perforations 7,337' to 7,342' and gas with condensate would be produced from the Discorbis Zone through perforations 7,452' to 7,456'.

At the conclusion of a six months testing period, a review of the performance data obtained from the subject well will be made. Required testing of the subject completions shall include an initial test and additional tests to be made quarterly thereafter.

Yours very truly,

Arthur H. Barbeck Chief Engineer

BDT:cbr

cc - RRC - Houston, Texas
Bob Harris
Otis Engineering Corp.

Railroad Commission of Texas

OIL AND GAS DIVISION

COMMISSIONERS

BEN RAMSEY
Chairman

ERNEST O. THOMPSON
JIM C. LANGDON
O. D. HYNDMAN, Secretary



HARRY M. BATIS
Chief Supervisor
ARTHUR H. BARBECK
Chief Engineer
ROSS BELL
Chief Accountant

October 18, 1963

Sun Oil Company P. O. Box 2831 Beaumont, Texas

Attention: Mr. Joe A. Owens

In Re: Your Application for Purpose of Reviewing Performance Data on your Hankamer Well No. 2-U and Well No. 2-L, Stowell Fields, Chambers County, Texas

Gentlemen:

At a formal conference held October 18, 1963, the Commission considered the evidence submitted by you in connection with the operation of an Odis Multiple Completion Choke Assembly and ruled that you be allowed to continue operating the subject wells with the choke assembly in place since one zone is gas and the other zone is apparently a salvage oil operation.

You will be required to conduct quarterly tests and submit the results to this office on each of the subject wells.

Yours very truly,

Bob R. Harris, Director Research and Inspection

BRH: pw

cc: Mr. Winston D. Tyler RRC - Houston, Texas

Sun Oil Company
P. O. Box 2831
Beaumont, Texas
Attention: Mr. J. W. Hodges

Mr. Carroll F. Burton P. O. Box 1511

() 10. m'



SHELL OIL COMPANY

SHELL BUILDING

P. O. BOX 2099 HOUSTON, TEXAS 77001

August 25, 1964

Subject: Jicarilla Apache 28 Well No. 1 Sec. 28, T-25-N, R-4-W

Rio Arriba County, New Mexico

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Continental Oil Company P. 0. Box 3312 Durango, Colorado

Attention Mr. H. D. Haley

Gentlemen:

In response to your letters of August 14, 1964, and August 21, 1964, and based on the facts set out therein, this is to advise that Shell Oil Company, as purchaser of the crude oil production, does not object to commingling the Gallup and Dakota production from the subject well.

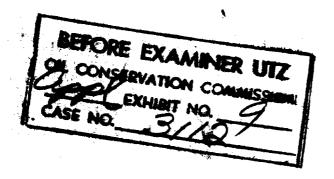
Please advise us of the effective date of such commingling.

Yours very truly,

B. G. Crocker

Crude Oil Representative

DKB:SMP



CONTINENTAL OIL COMPANY

P. O. Box 3312 Durango, Colorado 81302 July 29, 1965

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

Attn: Mr. D. S. Nutter - Chief Examiner

Dear Mr. Nutter:

Attached is another copy of Exhibit No. 4 (Case #3112) which you requested be brought up to date.

Also attached are copies of the recorded pressures on Jicarilla 28 Well No. 1, which you requested, from May 4, 1965, to June 19, 1965. The charts show the surface pressure buildup on the Gallup (upper) zone during the Dakota allocation test and shut-in period for the packer leakage test taken near the end of the test period. A copy of the charts obtained during the packer leakage test are also included. A seven-day chart starting July 1, 1965, is also attached for your information which shows the casing and tubing pressures while producing both zones up the tubing through the dual flow choke. This chart was taken after the final packer leakage test.

If any additional information is required, please advise.

Very truly yours,

& A Brown

G. A. Brown Production Engineer

Durango District Production Department

GAB/ae

Enc.

PIONEERING IN PETROLEUM PROGRESS SINCE 1875



CONTINENTAL OIL COMPANY

P. O. Box 3312 Durango, Colorado August 11, 1964

1. 13. 12

New Mexico Oil Conservation Commission (3) P. O. Box 2088 Santa Fe, New Mexico

Attention: Mr. A. L. Porter - Secretary Director

Gentlemen:

A hearing before the New Mexico Oil Conservation Commission is requested for the purpose of presenting application by Continental Oil Company to install a downhole commingling tool on a test basis in an existing Gallup-Dakota dual-oil completion well. The test well is Jicarilla 28 Well Bo. 1, located in Unit J, Section 28, 725N, R4W, Rio Arriba County, New Mexico.

The two sources of supply are commonly owned and the proposed downhole installation is intended to prevent communication between the two reservoirs at all times. Application on a one-well test basis is proposed so that data and procedures for such tests as packer leakage and communication tests and production allocation tests can be established. The commingling installation will be observed to determine the effectiveness of the installation.

The primary purpose of the installation and testing is to esbablish a method whereby further development of the 16-section West Lindrith block in T25N, R4W, can be economically justified. Past producing histories indicate that further development cannot be economically justified by conventional single and dual completion methods and present producing methods.

The following data and exhibits are attached for preliminary information:

- Lease plat showing wells on the lease and pools from which each are producing.
- 2. Data requirements for surface commingling installations.

PIONEERING IN PETROLEUM PROGRESS SINCE 1875

- 3. Log of Jicarilla 28 Well No. 1, showing formation tops and location of present retainer production packer and perforations in the Gallup and Dakota formation.
- 4. Schematic diagram of Otis Engineering Corporation's "Dual Flow Choke Assembly" downhole commingling tool.
- 5. Schematic diagram showing present and proposed installations in Jicarilla 28 Well No. 1.
- 6. Composite Performance Curve for a typical Jicarilla Gallup and Bakota well.

If additional information is required, please advise.

Very truly yours,

H. D. Haley

District Hanager Durango District

Production Department

GAB/ca

cc: Mr. E. A. Austin, Continental Oil Company, Denver, Colorado (2) U. S. Geological Survey, Roswell, New Mexico (1)

DATA REQUIREMENTS FOR SURPACE COMMINGLING INSTALLATIONS

Average Saily Oil Production for 90-Day Period:

Jicarilla 28 Well No. 1	Gallup	Dakota
May	13 BOPD	8 BOPD
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Top Unit Allowable: Gallup - 124 BOPD

Bakota - 164 BOPD

Crude Purchaser: Liaves Pipeline Ltd. - Parmington, New Mexico

Royalty Interest Owner: Jicarilla Apache Tribe Liquid Hydrocarbon Gravities: Gallup - 44.40 API
Dakota - 48.40 API

Commingled Liquid Hydrocarbon Gravity - 460 API

Commingled gravity on adjacent lease (Jicarilla 22) over a six-month period has averaged 45.30 API.

Value of 44.4° API Crude = \$2.35 per barrel Value of 48.4° API Crude = \$2.35 per barrel less \$.08 = \$2.27 Value of 46° API Crude = \$2.35 per barrel less \$.02 = \$2.33

Anticipated Producing Rates: Gallup - 14 BOPP Dakota - 8 BOPD

Value Calculations: Gallup 14 BOPD x \$2.35 = \$32.90 Dakota 8 BOPD x \$2.27 = 18.16 Total Separate Value = \$50.06/Day

Commingled Value - 22 BOPD x \$2.33 = \$51.26/Day

The value of the commingled production will not be less than the value of the production from each common source of supply.

Mr. D. S. Nutter, Chief Engineer New Mexico Oil Conservation Commission P. O. Box 871 Santa Pe, New Mexico

RF: Case 3112, Hearing of July 28, 1965, in regard to Order No.
R-2824 authorizing Gallup-Dakota commingling in the wellbore of Jicarilla 28 Well No. 1, Rio Arriba County, New Mexico

Dear Mr. Nutter:

In response to your request at the above captioned hearing, I am providing you the recommendations of Continental Oil Company as stated by Mr. George Brown at the close of direct examination of him by me. The following is the verbatum response of Mr. Brown.

"Initially we request and recommend that Continental Oil Company be permitted here today to continue producing the Jicarilla 28 Well No. 1 with the dualflow choke installed in it until such time as the Commission announces its ruling with respect to the hearing today.

We recommend that the Commission grant Continental Oil Company approval to install such a dualflow choke in the Jicarilla 28 Well No. 1 and to install such a dualflow choke in any existing Gallup-Dakota marginal oil wells located on its acreage in the West Lindrith Field and in any Gallup-Dakota marginal oil wells which may be drilled on its acreage in the West Lindrith Field,

Mr. D. S. Mutter August 2, 1965 Page 2

the acreage being shown on Exhibit 1 of the hearing of September 30, 1964 and specifically that:

- (1) The Commission make provision for administrative approval of future downhole commingling installations by use of the dualflow choke in existing Gallup-Dakota marginal oil wells and any Gallup-Dakota marginal oil wells which may be drilled within the Continental Oil Company's West Lindrith acreage which consists of four Jicarilla spache leases covering Sections 15 through 22 and 27 through 34, T 25 N, R 4 W, Rio Arriba County, New Mexico;
- (2) Application for such administrative approval be filed in triplicate with the Commission and such applications contain detailed data as to gravity, value and volume of the liquid hydrocarbons from each pool, expected gravity and value of the commingled liquid-hydrocarbon production, a schematic diagram of the proposed installation, a plat showing the location of all wells on applicant's lease and the pool from which each well is producing, and whether the actual commercial value of the commingled production will be less than the sum of the values of the production from each common source of supply and if so how much less;
- (3) Allocation of production to the Gallup and Dakota somes be by the subtraction method based on annual production tests of the commingled Gallup-Dakota and the Dakota at stabilized production rates;
- (4) Continental conduct a packer leakage test and a seal leakage test upon installation of the dualflow choke;
- (5) Continental conduct a production test of the commingled Gallup-Dakota and of the Dakota upon installation of the dualflow choke and annually thereafter;
- (6) Continental conduct an annual packer leakage test with respect to each well so equipped;
- (7) Continental be granted an exception to Rule 303A and any other applicable Rules for the permanent installation of the dualflow choke in the Jicarilla 28 Well No. 1 and in any existing

Mr. D. S. Nutter August 2, 1965 Page 3

Gallup-Dakota marginal oil wells or Gallup-Dakota marginal oil wells which may be drilled on Continental Oil Company's West Lindrith acreage, the location of which I have already described."

If we can provide you additional information, please do not hesitate to call on us.

Best Personal Regards,

Original Sign CHARLES R. ROBERTO

Charles R. Roberts Attorney

CRR: kn

cc: Mr. J. M. Durrett, Jr. Mr. George Brown

bcc: Mr. Denny Watts

OIL CONSERVATION COMMISSION P. O. BOX 871 SANTA FE, NEW MEXICO

LEGAL DIVISION PROME 827-2741

Movember 10, 1964

VIA AIR MAIL

Mr. George E. Blake Division Manager Otis Engineering Corporation 3813 West County Road Odessa, Texas

Re: Case 3112

Dear Mr. Blake:

We are today forwarding, via air mail freight, collect, the demonstration model downhole commingling tool that you left to be examined by the Commission's engineers concerning the above case. An order should be issued in this case in the near future.

We appreciate the opportunity to examine the model.

Very truly yours,

J. M. DURRETT, Jr. Attorney

JMD/esz

OIL CONSERVATION COMMISSION P. O. BOX 871 SANTA FE, NEW MEXICO

LUGAL DIVISION PHONE 827-2741

August 20, 1965

Mr. Charles R. Roberts Attorney Continental Oil Company 1755 Clenarm Place Denver, Colorado 80202

> Re: Case No. 3112 Order No. R-2824-A

Dear Charlie:

This letter will confirm our recent telephone conversation concerning the above case and order.

The Commission felt that an order could not be entered in this case establishing an administrative procedure to authorize use of the dual-flow downhole choke in additional wells as the case was advertised only for the Jicarilla Well No. 28 and our jurisdiction to enter such an order would therefore be questionable. Although it will be necessary to docket and advertise another case to consider the establishment of such an administrative procedure, it should not be necessary to present additional evidence. The testimony presented in Case No. 3112 thoroughly covered your proposed administrative procedure and could be incorporated into the record by motion.

In order to create a complete record in the new case, I suggest you file a formal application requesting establishment of the administrative procedure and describing the area in which you propose the procedure would be applicable. As we discussed,

OIL CONSERVATION COMMISSION

P. O. BOX 871

SANTA FE, NEW MEXICO

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August 20, 1965

Mr. Charles R. Roberts Attorney Continental Oil Company 1755 Glenaru Place Denver, Colorado 80202

I feel that the administrative procedure would have to be applicable to all operators within a given area.

I am enclosing an additional copy of Order No. R-2824-A. Please contact me if we can be of further assistance.

Best personal regards.

Very truly yours,

J. M. DURRETT, Jr. Attorney

JMD/esr Enclosure

