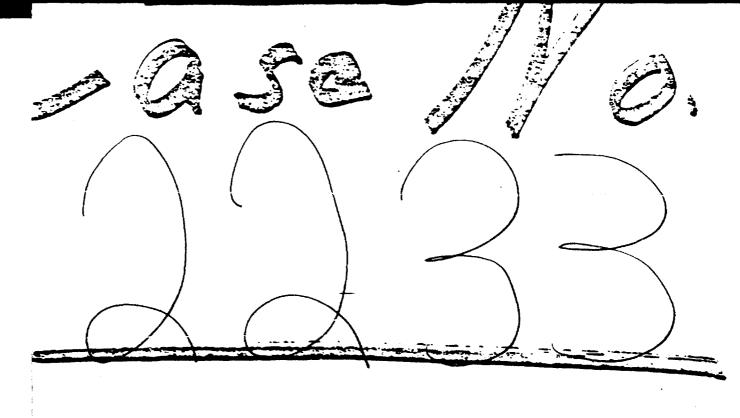
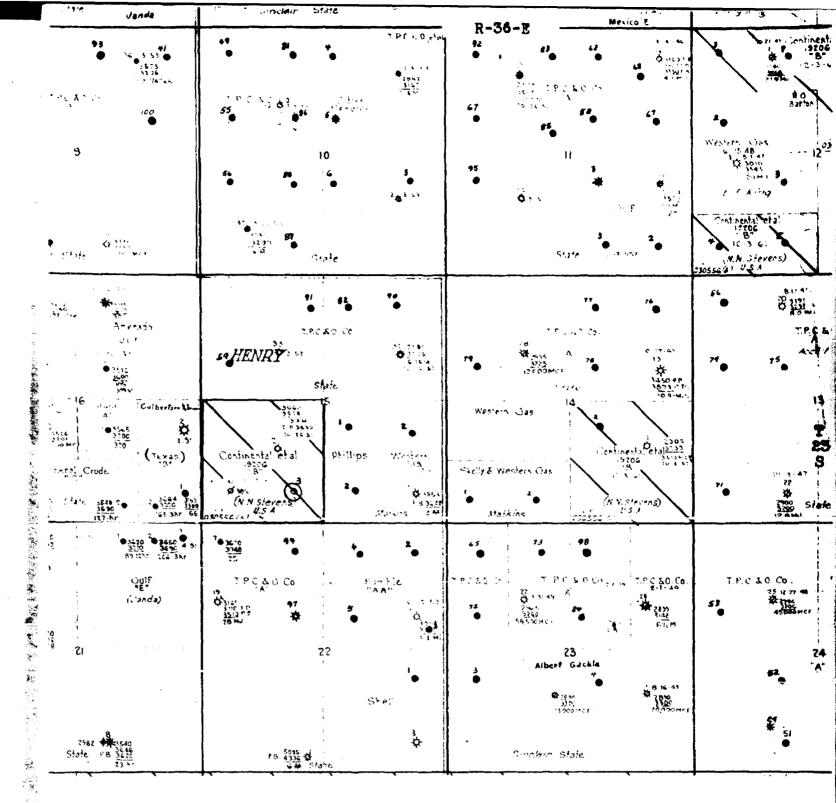
CASE 2233: Appli. of CONTINENTAL for a gas-oil dual of its STEVENS B-15 WELL NO. 3 - Lea County, N.M.



ophistion, Transcript,
mall Exhibits, Etc.



CONTINENTAL OIL COMPANY LEASE AND OWNERSHIP PLAT STEVENS AREA

Stevens B-15 BEFORE EXAMINER NUTTER

Stevens B-15 NCH3CONSERVATION COMMISSION 

Scale:  $1^{11} = 2000^{\circ}$ 

# CONTINENTAL OIL COMPANY PROPOSED DUAL COMPLETION METHOD STEVENS B-15 NO. 3

BEFORE EXAMINER NUTTER
OIL CONSELVATION COMMISSION
EXHIBIT NO. \_\_\_\_\_\_
CASE NO. \_\_\_\_ 2 3 3

11-3/4" Cag. set at 350' (Circulate Coment)

2-1/2" Production String to surface

- 2" EUE tubing at 3700"

Jalmat Gas Pool Perforations 3090'-3400'

2-1/2" EUE tubing as csg. set at 3430! (Coment to 1200!

Langlie Mattix Pool Perforations 3585'-3700'

4-1/2" Csg. set at 3750' (Cement to 1200')

NOTE: All depths are estimated

(4) That climent should extend from total depth to a depth of 1200 feet with can halizers on turbolizers installed throughout the producing zoner and to a point 100 feet above lack such zone

this bym

DRAFT

RSM/esr April 10, 1961

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. 2233

Order No. R- / 135/

APPLICATION OF CONTINENTAL OIL COMPANY FOR A GAS-OIL DUAL COMPLETION IN THE JALMAT GAS POOL AND IN THE LANGLIE-MATTIX POOL, LEA COUNTY, NEW MEXICO.

X/1,

### ORDER OF THE COMMISSION

### BY THE COMMISSION:

This cause came on for hearing at 9 o'clock a.m. on <u>April 5</u>, 1961, at Santa Fe, New Mexico, before <u>Daniel S. Nutter</u>, 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 day of April , 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter , 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 owner and operator of the Stevens B-15 Well No. 3, located in Unit N, Section 15, Township 23 South, Range 36 East, NMPM, Lea County, New Mexico.
- (3) That the applicant proposes to dually complete said Stevens B-15 Well No. 3 in such a manner as to permit the production of gas from the Jalmat Gas Pool and the production of oil from the Langlie-Mattix Pool through parallel strings of 2 1/2-inch casing and 4 1/2-inch casing cemented in a common well bore. The Jalmat Gas Pool production will be produced through the string of 2 1/2-inch casing and the Langlie-Mattix Pool production will be produced through a string of 2-inch tubing installed within the 4 1/2-inch casing.

-2-CASE No. 2233

- feasible and in accord with good conservation practices.
- (6) That approval of the subject application will neither cause waste nor impair correlative rights.

### IT IS THEREFORE ORDERED:

That the applicant, Continental Oil Company, is hereby authorized to dually complete its Stevens B-15 Well No. 3, located in Unit N, Section 15, Township 23 South, Range 36 East, NMPM, Lea County, New Mexico, in such a manner as to permit the production of gas from the Jalmat Gas Pool and the production of oil from the Langlie-Mattix Pool through parallel strings of 2 1/2-inch casing and 2-inch tubing installed within 4 1/2-inch casing, respectively, with both strings of casing cemented in a common well bore.

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

PROVIDED FURTHER. That the applicant shall take communication tests upon completion and annually thereafter during the Deliverability Test Period for the Jalmat Gas Pool.

### IT IS FURTHER ORDERED:

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

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

Provided However, That the were form fine of the form formation of the confined to the perfect limits of the Langlie-Thally Pool.

Provided Further, That climent shall lextend from total depth to a depth of 1200 feet with centralizers on turbolizers installed throughout the producing zones and to a point at least 100 feet above lack such zone.

SANTA FE, NEW MEXICO

### APPLICATION FOR DUAL COMPLETION

Jalmat Gas & Langlie-Mattix Oil  Operator  Continental Oil Company  Lease  Continental Oil Company  Section  of Well  N  15  23S  36E  1. Has the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these same pools or in to zones within one mile of the subject well? YES X  NO  2. If answer is yes, identify one such instance: Order No. DC=315  Continental Oil Company  Vaughan A-12 No. 1  Continental Oil Company  Vaughan A-12 No. 1  Lower Zone  C. Name of reservoir  Description  Lower Zone  Lower Zone  Lower Seven Rivers & Q	Field Name				Date
Section   Sect		1++1 × 041	County		Date
Ontinental 011 Company  Section Township  36EI  15 Section Township  36E  16 Has the New Mexico Oil Conservation Commission beterofore authorized the dual completion of a well in these same pools or in township  28 Jac Section Continental Oil Company  Visit answer is yes, identify one such instance: Order No. DC_315; Operator, Lease, and Well No.:  Continental 011 Company  Vaughan A-12 No. 1  The following facts are submitted:  Upper Zone  Lower Zone  Lower Zone  Lower Seven Rivers & Q  18 Jac Section (Perforations)  E. Type af production (Oil or Gas)  G. Type			, Lea		Well No.
Section   Unit   N   15   23S   36E	•	1	^ D 15		2
It is the New Mexico Oil Conservation Commission heretofore authorized the dual completion of a well in these came pools or in a zones within one mile of the subject well? YES X NO  If answer is yes, identify one such instance: Order No. DC=315 ; Operator, Lease, and Well No.:  Continental Oil Company  Vaughan A-12 No. 1  Upper Zone  Lower Zone  Lower Zone  Lower Seven Rivers & Q  Bottom of Pay Section  (Perforations)  The following facts are submitted:  Upper Zone  Lower Seven Rivers & Q  Bottom of Pay Section  (Perforations)  Completion (Oil or Gas)  Gas  Oil  The following are attached. (Please mark YES or NO)  Yes  a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, preservals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and a information is may be pertinent.  Yes  Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, preservals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and a information is may be pertinent.  Yes  Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, preservals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and a information is may be pertinent.  Yes  Diagrammatic Sketch of the Dual Completion of more ach offset operator, or in lieu theteof, evidence that said offset operators of all leases offsetting applicant's lease.  Yes  Diagrammatic Sketch of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.  List all offset operators to the lease on which this well is located together with their correct mailing address.  Public Perforation Perforation Perforati		Section July Verify	Township		Range
Has the New Mexico Cil Conservation Commission betreefore authorized the dual completion of a well in these same pools or in to zones within one mile of the subject well? YES X NO DC=315 ; Operator, Lease, and Well No.:  Continental Oil Company Vaughan A-12 No. 1  The following facts are submitted:  Upper Zone Lower Zone  a. Name of reservoir Yates Lower Seven Rivers & Q  a. Name of reservoir Yates Lower Seven Rivers & Q  b. Top and Bottom of Pey Section (Perforations)  c. Type of production (Oil or Gas)  d. Mechad of Production (Oil or Gas)  d. Mechad of Production (Flowing (Anticipated) Flowing (Anticipated) Flowing (Anticipated)  The following are attached. (Please mark YES or NO)  Yes o. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, potentials, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and a information as may be pertinent.  Yes . Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, potentials, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and a information as may be pertinent.  Yes . Diagrammatic Sketch of the Dual Completion of meach offset operators, or in lieu thereof, evidence that said offset operators of all leases offsetting applicant's lease.  Yes . e. Waters consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators of all leases offsetting applicant's lease.  A. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation thereon, (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A. List all offset operators to the lease on which this well is located rogether with their correct mailing address.  Gulf Oil Corporation, Engr. Dept., Box 2167, Hobbs, New Mexico  Texaco, Ing.		_			
Sones within one mile of the subject well? YES X NO  If answer is yes, identify one such instance: Order No. DC=315  If answer is yes, identify one such instance: Order No. DC=315  Continental Oil Company  Vaughan A-12 No. 1  Upper Zone  Lower Zone  o. Name of reservoir  b. Top and Bottom of Pay Section (Perforations)  c. Type of production (Oil or Gas)  d. Method of Production (Flowing or Artificial Litt)  Flowing (Anticipated)  The following are attached. (Please mark YES or NO)  Yes  o. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, per tervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and a information as may be pertinent.  Yes  h. Plat schwing the location of the mapplication from each offset operator, or in lieu thereof, evidence that said offset operators of all leases offsetting applicant's lease.  Yes  - Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators of all leases of the application.  No  d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation thereon. (If such log is not available at the time application is filled, it shall be submitted as provided by Rule 112-A.  Clust all offset operators to the lease on which this well is located together with their correct mailing address.  Gulf Oil Corporation, Engr. Dept., Box 2167, Hobbs, New Mexico  Phillips Petroleum Co., Engr. Dept., Box 1270, Midland, Texas  TPC&O Co., Box 1688, Hobbs, New Mexico  Mere all operators listed in Item 3 above notified and furnished a copy of this application? YES X. NO If answer is yet of such notification  CERTIFICATE: I, the undersigned, state that I am the Division Superintendents of the Continental Company), and that I am authorized by said company to make this report, and that this report was adder any supervision and direction and that the fac				oletion of a wel	
If answer is yes, identify one such instance: Order No. DC-315 ; Operator, Lease, and Well No.:  Continental Oil Company  Vaughan A-12 No. 1  The following facts are submitted:  Upper Zone  Lower Zone  Lower Zone  Lower Seven Rivers & Q  Pay Section (Perforations)  C. Type of production (Oil or Gas)  Gas  Gil  Method of Production (Flowing or Artificial Lift)  The following are attached. (Please mark YES or NO)  Yes  a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, pretervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and a information is may be pertinent.  Yes  b. Plat showing the leaster of all the applicant's lease.  Yes  c. Vaivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators of all leases offsetting applicant's lease.  Yes  d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation thereon. (If such log is not available at the time application is filled, it shall be submitted as provided by Rule 112-A.  List all offset operators to the lease on which this well is located operator with their correct mailing address.  Gulf Oil Corporation, Engr. Dept., Box 2167, Hobbs, New Mexico  Phillips Petroleum Co., Box 2105, Hobbs, New Mexico  Texaco, Inc., Engr. Dept., Box 1270, Midland, Texas  TPC&O Co., Box 1688, Hobbs, New Mexico  CERTIFICATE: I, the undersigned, state that I am the Vision Superintendent of the Econ to the best of any knowledge.  CERTIFICATE: I, the undersigned, state that I am the Vision Superintendent of the Continental Oil (company), and that I am authorized by said company to make this report; and that this report was deterned by any undervision and direction and that the facts stated therein are true, correct and complete to the best of any knowledge.				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	The state of the pool of the same
Continental Oil Company  Vaughan A-12 No. 1  The following facts are submitted:  Upper Zone  Lower Zone  Lower Seven Rivers & Q  b. Top and Bottom of Pay Section (Perforations)  C. Type of production (Oil or Gas)  d. Method of Production  (Flowing or Artificial Lift)  Flowing (Anticipated)  The following are attached. (Please mark YES or NO)  Yes  a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, pre tervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and so information is may be pertinent.  Yes  h. Play showing the location of the Unit of the Completion operators of all leases offsections applicant's lease.  Yes  c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators of all leases offsetting applicant's lease.  No  d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.  Bulf Oil Corporation, Engr. Dept., Box 2167, Hobbs, New Mexico  Humble Oil & Refining Co., Engr. Dept., Box 2167, Hobbs, New Mexico  Phillips Petroleum Co., Box 2105, Hobbs, New Mexico  Texaco, Inc., Engr. Dept., Box 1270, Midland, Texas  TPC&O Co., Box 1688, Hobbs, New Mexico  Americal Fetroleum Corp., Drawer D, Monument, New Mexico  CERTIFICATE: I, the undersigned, state that I am the Division Superintendent of the Continental  Oil (company), and that I am authorized by said company to make this report; and that this report was deter any supervision and direction and that the facts stated therein are true, correct and complete to the best of any knowledge.				a lesse and W	Vall No
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Dependent of the servoir servo	Continental Oil Comm	any Van	ghan A-12 No.	1 / 1	14-26
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Pay Section (Perforations)  3090'-3400' (Estimated)  3585'-3700' (Estimated)  Certorations)  C. Type of production (Oil or Gas)  4. Method of Production (Flowing or Artificial Lift)  The following are attached. (Please mark YES or NO)  Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, portervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and a information is may be pertinent.  Yes b. Plat chowing the location of the Dual Completion of the case of setting applicant's lease.  Yes caviers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators of all leases offsetting application.*  No d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.  List all offset operators to the lease on which this well is located together with their correct mailing address.  Gulf Oil Corporation, Engr. Dept., Box 2167, Hobbs, New Mexico  Humble Oil & Refining Co., Engr. Dept., Box 2347, Hobbs, New Mexico  Phillips Petroleum Co., Box 1270, Midland, Texas  TPC&O Co., Box 1688, Hobbs, New Mexico  Americula Fetroleum Corp., Drawer D. Monument, New Mexico  CERTIFICATE: 1, the undersigned, state that I am the Division Superintendent of the Continental  Oil (company), and that I am authorized by said company to make this report; and that this report was other and supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.	b. Top and Bottom of	1 ates		3585'-3700' (Estimated)	
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d. Method of Production (Flowing of Artificial Lift)  The following are attached. (Please mark YES or NO)  Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, potentially the production of the p		Cae		047	
The following or Artificial Lift) Flowing (Anticipated) Flowing (Anticipated)  The following are attached. (Please mark YES of NO)  Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, portervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and sinformatico is may be pertinent.  Yes b. Plat chowing the location of the majority is located to the plate that the property of all leases offsetting applicant's lease.  Yes c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators of all leases of the application.*  No d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A. List all offset operators to the lease on which this well is located together with their correct mailing address.  Gulf Oil Corporation, Engr. Dept., Box 2167, Hobbs, New Mexico  Humble Oil & Refining Co., Engr. Dept., Box 2347, Hobbs, New Mexico  Phillips Petroleum Co., Box 2105, Hobbs, New Mexico  Texaco, Inc., Engr. Dept., Box 1270, Midland, Texas  TPC&O Co., Box 1688, Hobbs, New Mexico  Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X. NO If answer is yet of such notification  CERTIFICATE: 1, the undersigned, state that I am the Vivision Superintendent of theContinental Oil		Uas		- VII	
Yes a. Diagrammatic Sketch of the Dual Completion, showing all casing strings, including size and setting, top of cement, portervals, tubing strings, including diameters and setting depth, location and type of packers and side door chokes, and sinformation is may be pertinent.  Yes h. Plat chowing the location of all reals of all reals of all leases offsetting applicant's lease.  Yes c. Waivers consenting to such dual completion from each offset operator, or in lieu thereof, evidence that said offset operators of all leases of setting applicant.  No d. Electrical log of the well or other acceptable log with tops and bottoms of producing zones and intervals of perforation thereon. (If such log is not available at the time application is filed, it shall be submitted as provided by Rule 112-A.  List all offset operators to the lease on which this well is located together with their correct mailing address.  Gulf Oil Corporation, Engr. Dept., Box 2167, Hobbs, New Mexico  Humble Oil & Refining Co., Engr. Dept., Box 2347, Hobbs, New Mexico  Phillips Petroleum Co., Box 2105, Hobbs, New Mexico  Texaco, Inc., Engr. Dept., Box 1270, Midland, Texas  TPC&O Co., Box 1688, Hobbs, New Mexico  Americaia Fetroleum Corp., Drawer D. Monument, New Mexico  Vere all operators listed in Item 5 above notified and furnished a copy of this application? YES X. No If answer is yet of such notification  CERTIFICATE: 1, the undersigned, state that I am the interval of the company to make this report; and that this report was ident my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.		Floring (Ambinimeted)		Flowing (Inticipated)	
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Phillips Petroleum Co., Box 2105, Hobbs, New Mexico  Cexaco, Inc., Engr. Dept., Box 1270, Midland, Texas  PC&O Co., Box 1688, Hobbs, New Mexico  Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO	List all offset operators to the lease	t available at the time app on which this well is loca	lication is filed, it sha ited together with their	ll be submitted correct mailing	as provided by Rule 112-A.) address.
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TPC&O Co., Box 1688, Hobbs, New Mexico  Amerada Fetroleum Corp. Drawer D. Monument. New Mexico  Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO	Butte off & ter ining	co. + pugic neb	6. DOX 2347,	noons, A	SA MEXICO
TPC&O Co., Box 1688, Hobbs, New Mexico  America Fetroleum Corp. Drawer D. Monument. New Mexico  Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO	Phillins Petroleum Co	Box 21.05 Ho!	hha New Meri	co	
PC&O Co., Box 1688, Hobbs, New Mexico  America Fetroleum Corp., Drawer D. Monument. New Mexico  Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO	TITLIPO ACOLOLOUM SOL		DUS, HEN LICKI		
PC&O Co., Box 1688, Hobbs, New Mexico  America Fetroleum Corp., Drawer D. Monument. New Mexico  Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO	Texaco, Inc., Engr. De	ept. Box 1270.	Midland, Tex	as	
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Amerada Ferroleum Corp. Drawer D. Monument. New Mexico  Were all operators listed in Item 5 above notified and furnished a copy of this application? YES X NO If answer is yes of such notification  CERTIFICATE: I, the undersigned, state that I am the ivision Superintendent of the Continental	IPC&O Co., Box 1688, H	lobbs. New Mexi	Co		
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Oil (company), and that I am authorized by said company to make this report; and that this report was ider my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.	of such notification		•		
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W=G. Mead	nder my supervision and direction and t	hat the facts stated therein	n are true, correct and	complete to the	best of my knowledge.
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	Sylvar AV	$\omega$ $\omega$ .			eas
Signature Signature	Mail or			5:	ignature
Should waivers from all offset operators not accompany an application for administrative approval, the New Mexico Oil Constant Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe offi					

Commission will hold the application for a period of twenty (20) days from date of receipt by the Commission's Santa Fe office. If,

after said twenty-day period, no protest nor request for hearing is received by the Santa Fe office, the application will then be processed.

NOTE: If the proposed dual completion will result in an unorthodox well location and/or a non-standard proration unit in either or both of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

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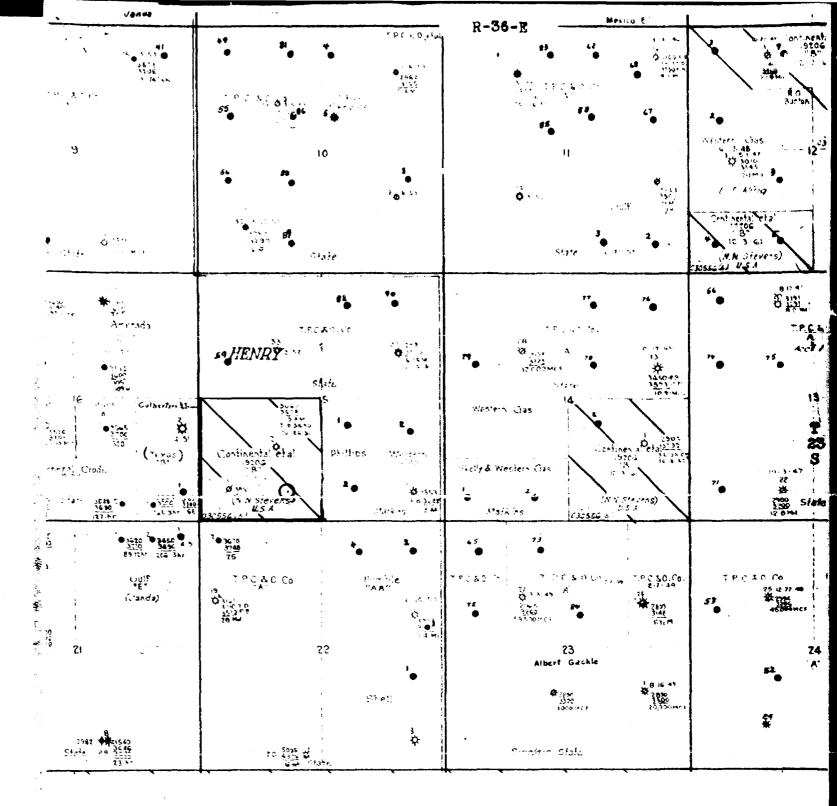
NOTE: All depths are estimated. 7 2233

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## CONTINENTAL OIL COMPANY LOCATION AND OWNERSHIP PLAT

Stevens B-15 No. 3 O
Stevens B-15 Lease —
Conoco Acreage

Scale: 1" = 2000'

Cage 2233

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OIL CONSERVATION COMMISSION

BOX 2045

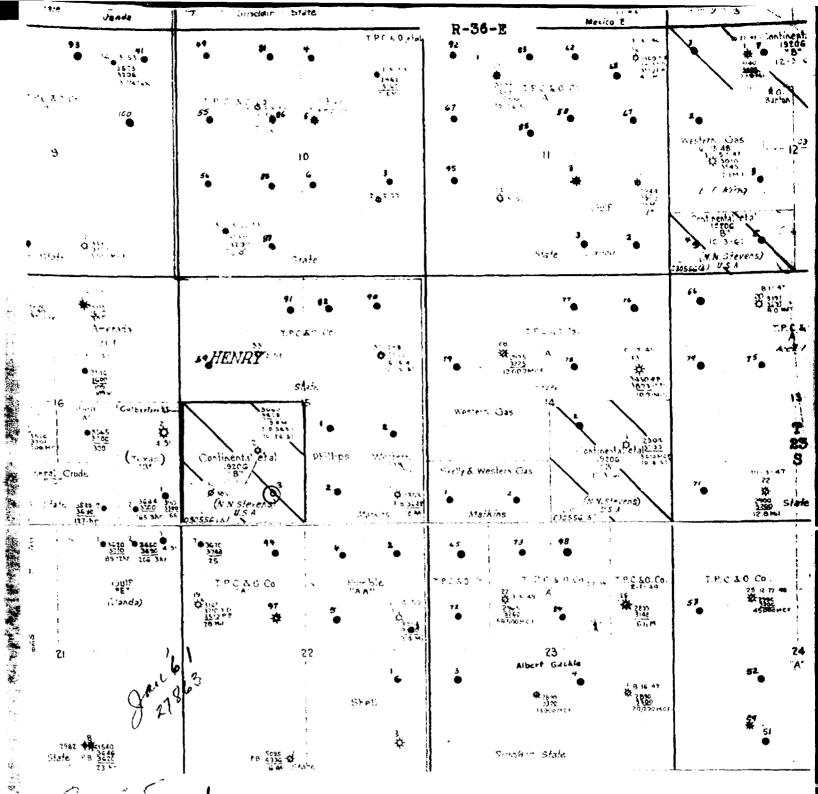
HOBBS, NEW MEXICO

	DATE	Mar. 13, 1961					
GIL CONSERVATION COMMISSION BOX 871	Re:	Proposed NSP					
SANTA FE, NEW MEXICO		Proposed NSL					
		Proposed NFC					
		Proposed DC X					
Gentlemen:							
I have examined the application dated	3	/4/61					
for the <u>Continental Oil Co. Stevens B-15 #3-M</u>							
Operator Lease and Well No.		S-T-R					
and my recommendations are as follows:							
dell not spudded. Dual Slim Holemust have HearingE.F.E.							
stimated Jalmat-Langlie Mattix Pool boundary ve	ery cl	ose to estimated proposed					
anglie Mattix perforations. Log on well will be	e nec	essary before approval					
on geology—J.W.R.							
<i>γ</i> λ							
Yours very truly,							
OIL CONSERVATION CO.	MHISSI	ON					
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Wheel for hearing	•	QEP					

# CONTINENTAL OIL COMPANY PROPOSED DUAL COMPLETION METHOD STEVENS B-15 NO. 3

11-3/4" Csg. set at 350' (Circulate Cement) 2-1/2" Production String to surface - 2" EUE tubing at 3700' Jalmat Gas Pool Perforations 3090'-3400' 2-1/2" EUE tubing as csg. set at 3430' (Cement to 1200' Langlie Mattix Pool Perforations 3585'-3700' 4-1/2" Csg. set at 3750' (Cement to 1200')

NOTE: All depths are estimated



17/16 CX

CONTINENTAL OIL COMPANY LEASE AND OWNERSHIP PLAT STEVENS AREA

Stevens B-J.5 Lease ---

Scale: 1" = 2000†

Stevens B-15 No. 3

GOVERNOR EDWIN L. MECHEM CHAIRMAN

# State of New Wexico Oil Conservation Commission

LAND COMMISSIONER E. S. JOHNNY WALKER MEMBER STATE GEOLOGIST
A. L. PORTER, JR.
SECRETARY - DIRECTOR

P. O. BOX 871

April 18, 1961

Mr. Jason Kellahin P. O. Box 1713 Santa Fe, New Mexico

Re: Case No. 2233

Order No. R-1938

Applicant:

Continental Oil Company

Dear Sir.

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 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. 2233 Order No. R-1938

APPLICATION OF CONTINENTAL OIL COMPANY FOR A GAS-OIL DUAL COMPLETION IN THE JALMAT GAS POOL AND IN THE LANGLIE-MATTIX POOL, LEA COUNTY, NEW MEXICO.

### ORDER OF THE COMMISSION

### BY THE COMMISSION,

This cause came on for hearing at 9 o'clock a.m. on April 5, 1961, at Santa Fe, New Mexico, before Daniel S. Nutter, 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 April, 1961, the Commission, a quorum being present, having considered the application, the evidence adduced, and the recommendations of the Examiner, Daniel S. Nutter, 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 thereor.
- (2) That the applicant, Continental Oil Company, is the owner and operator of the Stevens B-15 Well No. 3, located in Unit N, Section 15, Township 23 South, Range 36 East, NMPM, Lea County, New Mexico.
- (3) That the applicant proposes to dually complete said Stevens B-15 Well No. 3 in such a manner as to permit the production of gas from the Jalmat Gas Pool and the production of oil from the Langlie-Mattix Pool through parallel strings of 2 1/2-inch casing and 4 1/2-inch casing cemented in a common well bore. The Jalmat Gas Pool production will be produced through the string of 2 1/2-inch casing and the Langlie-Mattix Pool production will be produced through a string of 2-inch tubing installed within the 4 1/2-inch casing.
- (4) That cement should extend from total depth to a depth of 1200 feet with centralizers or turbolizers installed throughout the producing zones and to a point at least 100 feet above each such zone.

-2-CASE No. 2233 Order No. R-1938

- (5) That the mechanics of the proposed dual completion are feasible and in accord with good conservation practices.
- (6) That approval of the subject application will neither cause waste nor impair correlative rights.

### IT IS THEREFORE ORDERED:

That the applicant, Continental Oil Company, is hereby authorized to dually complete its Stevens 8-15 Well No. 3, located in Unit N, Section 15, Township 23 South, Range 36 East, NMPM, Lea County, New Mexico, in such a manner as to permit the production of gas from the Jalmat Gas Pool and the production of oil from the Langlie-Mattix Pool through parallel strings of 2 1/2-inch casing and 2-inch tubing installed within 4 1/2-inch casing, respectively, with both strings of casing cemented in a common well bore.

PROVIDED HOWEVER, That the lower perforations shall be confined to the presently defined vertical limits of the Langlie-Mattix Pool.

PROVIDED FURTHER, That cement shall extend from total depth to a depth of 1200 feet with centralizers or turbolizers installed throughout the producing zones and to a point at least 100 feet above each such zone.

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

PROVIDED FURTHER, That the applicant shall take communication tests upon completion and annually thereafter during the Deliverability Test Period for the Jalmat Gas Pool.

### TT IS FURTHER ORDERED:

That jursidiction 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 the protection of correlative rights; upon failure of the applicant to comply with any requirement of this order, the Commission may terminate the authority herein granted and require the applicant or its successors and assigns to limit its activities to regular single-zone production in the interest of conservation.

-3-CASE No. 2233 Order No. R-1938

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

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

E. S. WALKER, Mamber

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

BEFORE THE
OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
APRIL 5, 1961

### EXAMINER HEARING

IN THE MATTER OF

CASE 2233: Application of Continental Oil Company for a gas-oil dual completion utilizing the strings of casing. Applicant, in the above-styled cause, seeks an order authorizing the dual completion of its Stevens B-15 Well No. 3,located in Unit N, Section 15, Township 23 South, Range 36 East, Lea County, New Mexico, in such a manner as to permit the production of gas from the Jalmat Gas Pool and the production of gas from the Jalmat Gas Pool and the production of cil from the Langlic Mattix Pool through parallel strings of 2 %-inch casing and h %-inch casing cemented in a common well-bore. Applicant also proposes to install 2-

inch tubing in the  $4\frac{1}{5}$ -inch casing.

BEFORE:

Daniel S. Mutter

TRANSCRIPT OF PROCEEDINGS

MR. NUTTER: We will take next Case 2233.

MR. MORRIS: Case 2233. Application of Continental Oil Company for a gas-oil dual completion utilizing two strings of casing.

MR. KELLAHIN: Jason Kellahin, Kellahin & Fox, representing the applicant. We will have one witness.



CH 3-6691

ALBUQUERQUE, NEW MEXICO

PHONE CH 3-6691

(Witness sworn)

LEO S. CICHOMICS,

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

### DIRECT EXAMINATION

### BY MR. KELLAHIM:

- Will you state your name, please?
- Mr. Leo S. Cichowics. C-i-c-h-o-w-i-c-s.
- Q By whom are you employed and in what position, Mr. Cichowics?
  - Continental Oil Company. Senior production engineer.
- Have you testified before the Oil Conservation Commission as a petroleum engineer and made your qualifications a matter of record?
  - Α Yes, sir.

MR. KELLAHIN: Are the witness' qualifications acceptable?

MR. MUTTER: Yes, sir.

- (By Mr. Kellahin) Are you familiar with the application of Continental Oil Company in Case 2233?
  - Λ Yes, I am.
- Would you state briefly what's proposed in this application?
- This is the application of Continental Oil Company for the dual completion of its Stevens B-15 Mo. 3 in the Langlie-



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Mattix oil and Jalmat cas pools located MC feet from the South line and 1980 feet from the West line of Section 1, Township 23 South, Range 36 Hast, MAPM, Lea County, New Mexico.

- Is the location proposed an unorthodox location for both pools?
  - Yes, it is. Α
  - Have you prepared a location and ownership plat? ର
  - Yes, I have.

MR. KELLAHIN: Could we have that marked as Exhibit No.

1?

(Whereupon, Continental's Exhibit No. 1 was marked for identification.)

Exhibit No. 1 is a location and ownership plat showing the Stevens B-15 lease and surrounding areas as shown outlined in red. The lease consists of the southwest quarter of Section 15, Township 23 South, Range 36 East, Lea County, New Mexico. The No. 3 Well, which is proposed to be completed as a dual producer in the Langlie-Mattix oil and Jalmat gas pools, is shown circled in red.

- Q Now, the plat shows another gas well on the proposed unit, does it not?
  - Yes, sir, the Stevens B-15 No. 2 is a Jalmat gas well. Α
  - Q What is the present status of that well?
- The Stevens B-15 Mo. 2, as of January, 1961, or I should say during January, 1961, this gas well had produced 27,363 MCF per



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# REPORTING SERVICE, DEARNLEY-MEIER

NEW MEXICO

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day, and at January 31, 1961, the well was overproduced 24,778 MOS gas per day.

- What would be done with that well in the event this application is approved for production from the Jalmat?
- Depending on the completion of the Mo. 3 Well, the Mo. 2 Well will be deepened to encounter the Langlie-Mattix pay to meet the offset created by the Phillips-Matkins No. 1.
  - Have you made a diagram of the proposed dual completion? MR. KELLAHIN: Mark Exhibit No. 2.

(Whereupon, Continental's Exhibit No. 2 was marked for identification.)

- А Yes.
- Referring to what has been marked as Exhibit No. 2, will you discuss the information on that Exhibit?
- Exhibit No. 2 is a schematic diagram of the proposed method of dual completion. As is shown on this diagram, the proposed dual completion will be accomplished by producing the Langlie-Mattix zone through 2-inch tubing set inside the lib-inch casing, and producing the Jalmat gas zone through 25-inch tubing, which will be run and cemented parallel to the 42-inch casing. All of the proposed casing seats, top of cement behind each string, proposed perforations for both the Langlie-Mattix zone and the Jalmat zone, along with the proposed total depth are shown so that the dual completion method is clearly evident on the drawing. The Exhibit shows the proposed method of dual completion to be



# DEARNLEY-MEIER REFORTING SERVICE, Inc.

mechanically feasible, and will not permit commingling of the produced fluids in the well-bore.

Q Would you discuss the procedure that will be followed in making this completion?

The procedure we propose to follow is as follows: (1)

Drill to total depth, run and cement parallel the \$\frac{1}{2}\$-inch casing and 2 7/8-inch production string. (2) Perforate the \$\frac{1}{2}\$-inch casing for Langlie-Mattix oil production. (3) Perforate the 2 7/8-inch casing for Jalmat gas production, employing directional perforating equipment to prevent perforation of the \$\frac{1}{2}\$-inch casing.

Sand frac both the Langlie-Mattix zone and the Jalmat zone recovery load from both zones, and place both zones on production.

Q In connection with the completion of the well, is Continental willing to employ centralizers in installing casings?

A Yes, we will follow the prudent practice which entails the use of centralizers and turbulizers over the area plus, I believe, three joints over the top of the pay in each pool.

Q Then, you will use turbulizers also in connection with your cementing program?

A Yes, sir.

In your opinion, will the program as outlined by Continental Oil Company adequately protect both zones and prevent communication between producing zones?

A Yes, sir.

Q Will any other producing zones in the area be protected?



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All producing zones will be protected.

Is your proposed program sufficient to protect any water zones that might be encountered?

Yes, sir. The schematic shows that the too of the cement, which we propose in the well, is at 1200 feet.

Would you anticipate any fluid problem in connection with the production of the Jalmat in this well?

Α No.

Q In your opinion, is the completion a feasible one and economical?

The well will be equipped and completed in such a A manner that there will be no commingling of production from the two sources of supply in the well-bore. The dual completion, as mentioned, is mechanically and economically feasible. The approval of the application will be in the interest of preventing waste and protecting correlative rights. In considering these facts, we solicit the approval of this application.

Were Exhibits 1 and 2 examined by you as to their correctness?

Α Yes.

Ĉ They were not prepared by you, is that correct?

A No, sir.

Q In your opinion, are they correct and accurate?

Yes, sir, they are.

IR. KELLAHIM: At this time we would like to offer in



evidence Exhibits 1 and 2.

ER. MUTTER: Applicant's Exhibits 1 and 2 will be entered in evidence.

> (Whereupon, Continental's Exhibits Nos. 1 and 2 were received in evidence.)

MR. KELLAHIN: That's all the questions I have.

MR. NUTTER: Does anyone have any questions?

CROSS-EXAMINATION

### BY MR. PAYNE:

Q This well hasn't been drilled yet?

Α No, sir.

Q Will you be able to furnish us a well on the log when it is --

Α Yes.

-- in order to insure that the bottom perforations are actually in the Langlie-Mattix?

Α Yes, sir, we will.

Your proposed area of limitations is pretty close to off limits of that pool?

A Yes. I will make a note of that so we will provide the gamma neutron log.

MR. PAYME: Thank you.

MR. MUTTER: Any other questions?

### BY MR. NUTTER:

You stated that the No. 2 Well, which is presently the



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well for the southwest quarter of Section 15, the gas unit is over produced, is that correct?

- That's right.
- You understand, of course, that if the Mo. 2 is deepened to another pool, then the unit well becomes Wo. 3, then the status of the unit stays the same --
  - Yes.
- -- and the No. 3, when completed, starts off with an overproduced status?
  - A Yes, sir.

MR. NUTTER: Any further questions? He may be excused. (Witness excused)

MR. MUTTER: Do you have anything further, Mr. Kellahin?

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

MR. NUTTER: Does anyone have anything they wish to offer in Case 2233? We will take the case under advisement.



ALBUQUERQUE, NEW MEXICO

# DEARNLEY-MEIER REFORTING SERVICE, Inc.

PHONE CH 3-6691

STATE OF "EM MEXICO")

COUNTY OF BERMALILIO)

I, ADA DEARNLEY, Court Reporter, 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 machine shorthand and reduced to typewritten transcript 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 Aday of Mew Merico.

NOTARY PUBLIC

My Commission expires: June 19, 1963

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 2333, heard by me on 1961,

HEW Nexico Gil Conservation Commission



ALBUQUERQUE, NEW MÉXICO