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Case 6080

BEFORE THE NEW MEXICO OIL CONSERVATION COMMISSION Santa Fe, New Mexico November 16, 1977

EXAMINER HEARING

IN THE MATTER OF:

Application of Orla Petco, Inc., for an unorthodox gas well location, Eddy County, New Mexico.

BEFORE: Richard L. Stamets, Examiner.

TRANSCRIPT OF HEARING

APPEARANCES

For the New Mexico Oil Conservation Commission:

Lynn Teschendorf, Esq.
Legal Counsel for the Commission
State Land Office Building
Santa Fe, New Mexico

For the Applicant:

Jason W. Kellahin, Esq. KELLAHIN & FOX Attorneys at Law 500 Don Gaspar Santa Fe, New Mexico

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MR. STAMETS: We'll call next case, Case 6080.

MS. TESCHENDORF: Case 6080, application of Orla Petco, Inc., for an unorthodox gas well location, Eddy County, New Mexico.

MR. KELLAHIN: If the Examiner please, Jason Kellahin, Kellahin & Fox, Santa Fe, appearing on behalf of the applicant. We have one witness to be sworn.

(THEREUPON, the witness was sworn.)

E. R. KENNEDY

was called as a witness by the applicant, and having been first duly sworn, testified upon his oath as follows, to-wit:

DIRECT EXAMINATION

BY MR. KELLAHIN:

- Would you state your name, please?
- A. E. R. Kennedy.
 - What business are you engaged in, Mr. Kennedy?
- I am a consulting geologist working out of Midland, Texas.
- Have you testified before the Oil Conservation Commission or one of its Examiners and made your qualifications 23 a matter of record?
 - Yes.
 - In connection with your work as a consulting geologis

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did you have anything to do with the application of Orla Petco, Inc., in Case 6080?

- A Yes, sir.
- Did you prepare the application?
- A I prepared the map.
- Q What is proposed by the applicant in this case?
- A. We are proposing to drill a well in Section 8, 19, 26, at an unorthodox location, nineteen eighty from the south and six-sixty from the west.
 - Q And what pool would this be located in?
 - A That would be undesignated.
- Q An undesignated pool. Referring to what has been marked as Applicant's Exhibit Number One would you identify that exhibit?
- A. Exhibit One is a land plat showing the drilling unit and the proposed location.
- Q And does it show the offset ownership to the best of your information?
 - A Yes, sir.
- Q Referring to what has been marked as Exhibit Number
 Two, would you identify that exhibit, please?
- A. Exhibit Two is a type log of the area, specifically, and it is the Samedan Ivey No. 1 in the northeast quarter of 5, 19, 26.

On that -- it is essentially the Morrow section in

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that well and I have labeled the structural point which I have called the top of the Morrow B and this is a prominent shale in the middle of the Lower Morrow section.

I have also labeled the isopach units, designated, arbitrarily designated, Morrow A Sands, Morrow Upper B Sands and Morrow Lower B Sands.

- Is that a designation that is in common use in this area?
- I think people use units similar to that, maybe not quite the same.
 - But they do break it down in units?
 - Yes, they do.
- Now, referring to what has been marked as Exhibit Number Three, would you identify that please?
- Exhibit Three is a structural map contoured on the structural point as identified on the type log and basically the structure in this area is a dip slope from the northwest to the southeast with an occasional structural salient.

The drilling unit is associated with the structural salient and the proposed location is the most favorable place structurally, anyhow, so to reduce the chances of water production.

- Now, has water production been encountered in the 24 lower depths in this area?
 - By lower depths within the --

Q In the Morrow, yes, structurally --

A. There are several wells that have produced water on a drill stem test or production test.

MENT TRANSPORT

Q Now, in your opinion, Mr. Kennedy, is all of the unit you proposed to dedicate to this well capable of producing gas from the Morrow?

A. Yes.

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Q On the basis of the information that you have at this time?

A. Yes.

Q Now, referring to what has been marked as Exhibit
Number Four, would you identify that exhibit, please?

A. I would like to say a word on Exhibit Four, Five and Six.

Morrow production in this area is related to channel sands and with the prime production being in the center of the channels where the sands are well developed and thick and marginal production on the thin edges. Both dry holes have missed the sands completely.

Occasionally, low well will also produce water. These particular maps have been contoured on feet with porous sands with porosity greater than six percent.

Exhibit Four, specifically, is an isopach of the Morrow A sand. It is more or less a secondary objective in the proposed tests but it is considered a possible pay.

So far, the Morrow A production in this immediate area has been marginal in Section 4 or it produced gas and water as in 18. The proposed location is at a point that we consider it the most favorable for production.

- Q Now, would you discuss Exhibit Number Five?
- A. Exhibit Number Five is an isopach of the upper Morrow B sands. This is considered our most likely to produce zone.

Production is more or less assured in the well in the south half of five and an older well in 17 produced significant amounts of gas but never commercially produced anything.

The proposed location is at a location we consider most likely to produce in the drilling unit.

- Now, Exhibit Number Six, would you discuss it, please
- A Exhibit Number Six is an isopach of the Lower Morrow B sands. So far they have been disappointing but it is considered a production possibility in this area.

The well in Section 4 production tested water from this zone.

The well in Section 18 had good shows of gas with very little reservoir rock.

Our proposed location is at the most favorable place to encounter production in the Lower Morrow B sands.

Now, in drilling this well will you test all three of those sands that you have just discussed?

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	Q.		Betwee	en t	he	three	of	them	do	your	exh	ibits		indicat	€
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- A Yes, we would hope it is.
- Q. Now, when do you propose to commence drilling of this well?
 - A We hope to commence drilling by January 12, 1978.
- Q Were Exhibits One through Six prepared by you or under your supervision?
 - A. Yes, sir.

MR. KELLAHIN: At this time we would like to offer Exhibits One through Six.

MR. STAMETS: These exhibits will be admitted.

Q. (Mr. Kellahin continuing.) Now, Mr. Kennedy, if the Commission approves your proposed well location will the correlative rights of the offsetting operators be impaired in any way?

A. No.

MR. KELLAHIN: That's all I have of the witness.

CROSS EXAMINATION

BY MR. STAMETS:

Q. Mr. Kennedy, I realize from your testimony that the Morrow is your prime target here. Does Orla Petco have rights to the Wolfcamp and other Pennsylvanian formations?

A.	Yes,	we (ob

- And I presume you would like this order for a nonstandard location to cover all of those formations?
 - Yes, we would.

case was concluded.)

MR. STAMETS: Any other questions of the witness? He may be excused. Anything further in this case?

> MR. KELLAHIN: That's all we have, Mr. Stamets. MR. STAMETS: Take the case under advisement. (THEREUPON, the witness was excused and the

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REPORTER'S CERTIFICATE

I, SIDNEY F. MORRISH, a Certified Shorthand Reporter, do hereby certify that the foregoing and attached Transcript of Hearing before the New Mexico Oil Conservation Commission was reported by me, and the same is a true and correct record of the said proceedings to the best of my knowledge, skill and ability.

id morrish reporting servi General Court Reporting Service He Majis, No. 122, Seats Fe, New Mexic Processing Processing 

DIRECTOR

JOE D. RAMEY

OIL CONSERVATION COMMISSION

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

LAND COMMISSIONER

PHILR. LUCERO November 28, 1977



STATE GEOLOGIST
EMERY C. ARNOLD

Mr. Jason Kellahin Kellahin & Fox Attorneys at Law Post Office Box 1769 Santa Fe, New Maxico

Re:	CASE N	10.	080
	ORDER		R-5584

Applicant:

Orla Petco, Inc.

Dear Sir:

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

Fours very truly,

JUE D. RAMEY

Director

JDR/fd

Copy of order also sent to:

Hobbs OCC X
Artesia OCC X
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. 6080 Order No. R-5584

APPLICATION OF ORLA PETCO, INC., FOR AN UNORTHODOX GAS WELL LOCATION, EDDY COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on November 16, 1977, at Santa Fe, New Mexico, before Examiner, Richard L. Stamets

NOW, on this 22nd day of November, 1977, 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, Orla Petco, Inc., seeks approval of an unorthodox gas well location 1980 feet from the South line and 660 feet from the West line of Section 8, Township 19 South, Range 26 East, NMPM, to test Wolfcamp and Pennsylvanian formations, West Four Mile Draw Field, Eddy County, New Mexico.
- (3) That the S/2 of said Section 8 is to be dedicated to the well.
- (4) That a well at said unorthodox location will better enable applicant to produce the gas underlying the proration unit.
- (5) That no offset operator objected to the proposed unorthodox location.
- (6) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

-2-Case No. 6080 Order No. R-5584

IT IS THEREFORE ORDERED:

- (1) That an unorthodox gas well location for Wolfcamp and Pennsylvanian formations is hereby approved for the Orla Petco, Inc., R. K. Williams Well No. 1 to be located at a point 1989 feet from the South line and 660 feet from the West line of Section 8, Township 19 South, Range 26 East, NNPM, West Four Mile Draw Field, Eddy County, New Mexico.
- (2) That the 8/2 of said Section 8 shall be dedicated to the above-described well.
- (3) 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 Mexico, on the day and year herein-above designated.

STATE OF NEW MEXICO OIL CONSERVATION COMMISSION

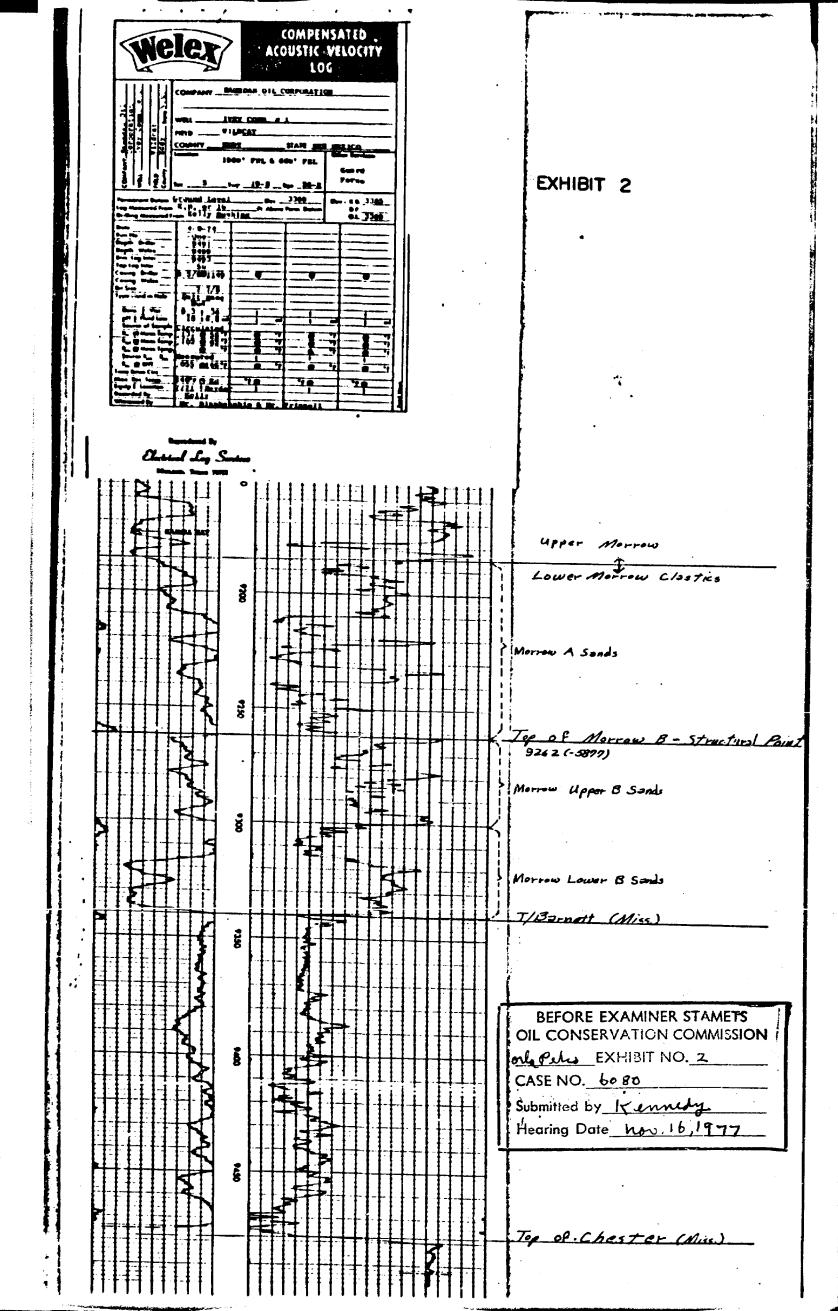
PHIL R. LUCERO, Chairman

ERY CLARNOLD, Member

JOE D. KAMEY, Member & Secretary

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Dockets Nos. 38-77 and 39-77 are tentatively set for hearing on November 30 and December 14, 1977. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - NOVEMBER 16, 1977

9 A.M. - OIL CONSERVATION COMMISSION CONFERENCE ROOM, STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

The following cases will be heard before Richard L. Stamets, Examiner, or Daniel S. Nutter, Alternate Examiner:

- ALLOWABLE: (1) Consideration of the allowable production of gas for December, 1977, from fifteen prorated pools in Lea, Eddy, Chaves, and Roosevelt Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for December, 1977, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.
- CASE 6079: Application of Dome Petroleum Corporation for a non-standard oil proration unit, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 80-acre non-standard oil proration unit comprising the E/2 SW/4 of Section 10, Township 26 North, Range 14 West, Bisti-Lower Gallup Pool, San Juan County, New Mexico.
- CASE 6059: (Continued from October 12, 1977, Examiner Hearing)

Application of Dome Petroleum Corporation for pool creation, an oil discovery allowable, and a special depth bracket allowable, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks the creation of the Leggs-Entrada Cil Pool in Section 11, Township 21 North, Range 10 West, San Juan County, New Mexico, the assignment of approximately 27,020 barrels of Cil discovery allowable to its Santa Fe-Leggs Well No. 1 located in Unit 0 of said Section 11, and the establishment of a special depth bracket allowable of 750 barrels of oil per day for said pool.

CASE 6080: Application of Orla Petco, Inc., for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its R. K. Williams Well No. 1 to be located 1980 feet from the South line and 660 feet from the West line of Section 8, Township 19 South, Range 26 East, Eddy County, New Mexico, the S/2 of said Section 8 to be dedicated to the well.

- CASE 6081: Application of Atlantic Richfield Company for directional drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the directional drilling in a northwesterly direction of its Lanchart 22 Well No. 1 from a surface location 660 feet from the North and West lines of Section 22, Township 25 South, Range 37 East, Langlie-Mattix Pool, Lea County, New Mexico, bottoming said well no closer than 280 feet from the North and West lines of said Section 22.
- Application of Gulf Oil Corporation for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for its Sand Well Unit Area comprising 3843 acres, more or less, of State, Federal, and fee lands in Township 23 South, Range 35 East, Lea County, New Mexico.
- Application of Sun Oil Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Drinkard and Tubb production CASE 6083: in the wellbore of its State 15 Well No. 4 located in Unit P of Section 16, Township 21 South, Range 37 East, Lea County, New Mexico.
- CASE 6084: Application of Freeport Oil Company for a pressure maintenance project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a pressure maintenance in the West Garrett-Devonian Pool by the injection of water into the Devonian formation through its Mattie Price Well No. 4 located in Unit 0 of Section 6, Township 17 South, Range 38 East, Lea County, New Mexico.
- CASE 6085: Application of Reserve Oil, Inc., for downhole commingling or pool contraction and extension, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Jalmat and Langlie-Mattix production in the wellbore of its Cooper Jal Unit Wells No. 115 in Unit P of Section 13 and Nos. 121, 134, and 209 in Units B, N, and L of Section 24, Township 24 South, Range 36 East, and No. 117 in Unit N of Section 18, and Nos. 150 and 221 in Units L and N of Section 19, Township 24 South, Range 37 East, Lea County, New Mexico, and an administrative procedure for such approval for future wells. In the alternative, applicant seeks the contraction of the vertical limits of the Jalmat Cas Pool underlying said Cooper Jal Unit Area by the deletion of the Yates and Seven Rivers formations therefrom and the extension of the vertical limits of the Langlie-Mattix Pool to include said formations.

ORLA PETCO, INC.

P. O. BOX 1383, MIDLAND, TEXAS 79701 TELEPHONE 915 684-476 07 1 9 40

October 11, 1977

Oil Conservation Commission State of New Mexico State Land Office Building Santa Fe, N.M. 87501

Re: Application for non-standard location

Attention: Mr. Richard Stamets

Gentlemen:

Pursuant to our telephone conversation, I am writing this letter to make application for a non-standard location as follows:

- 1) Operator: Orla Petco, Inc.
- 2) Lease Name: R. K. Williams
- 3) Well number: No. 1
- 4) Proposed footage: 1980' FSL & 660' FWL Section 8, T-19-S, R-26-E, Eddy Co., New Mexico
- 5) Dedicated acreage: S/2 Section 8 (320 acres)
- 6) Offset Operators: Dorchester Exploration, Coquina, J. H. Moore, David Fasken, Amoco Production, Yates Petroleum, Samedan, Cities Service
- 7) Well depth: 9500-foot Morrow gas sand test

It is our understanding that this request should be in time to get us on the docket for your November 16, 1977 hearing.

Should you need any additional information, please let us know.

AH/mm

Very truly yours,

ORLA PETCO, INC.

a. Ist Istedden

A. H. Hedden

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:

λ	CASE NO 6080
0	Order No. R- <u>5584</u>
63.	APPLICATION OF ORLA PETCO, INC., FOR AN UNORTHODOX GAS WELL LOCATION, EDDY COUNTY, NEW MEXICO. ORDER OF THE COMMISSION
	BY THE COMMISSION:
	This cause came on for hearing at 9 a.m. on November 16 , 19 77 at Santa Fe, New Mexico, before Examiner Richard L. Stamets
	NOW, on this day of <u>November</u> , 19 77, 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, Orla Petco, Inc., , seeks
	approval of an unorthodox gas well location 1930 feet from the South
-	line and 660 feet from the West line of Section 8, Township
	19 South, Range 26 East, NMPM, to test the
Wolfermp and	d Penney lunian formations, West Four Mile Dow Field poor
	Eddy County, New Mexico.
-	(3) That the $5/2$ of said Section 8 is to be dedicated to the
	well.
	(4) That a well at said unorthodox location will better enable
	applicant to produce the gas underlying the proration unit.
	(5) That no offset operator objected to the proposed unorthodox
	location.

-2- Case No.	6080
Order No.	R-

(6) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the gas in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

Pannsylvania

(1) That an unorthodox gas well locate the Oria Rive Inc., R.K. Williams Well formations is hereby approved for a well to be	ion for the la reason of No. 1	980
feet from the South line and 660		
line of Section 8 , Township 19	South Range 26	East
MAPM, Wast Four Mile Draw Field	-Reel, Eddy	County,
New Mexico.		

- (2) That the $\frac{S/2}{}$ of said Section $\frac{8}{}$ shall be dedicated to the above-described well.
- (3) 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 Mexico, on the day and year hereinabove designated.

