

CASE 54861 OLD TO CONSIDER ASSIGNMENT
OF DISCOVERY ALLOWABLE TO ENSERCH EXPLO-
RATION, INC., ROOSEVELT COUNTY, N. MEK.

Anberg

5923 TS

CASE NO.

6406

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
State Land Office Building
Santa Fe, New Mexico
20 December 1978

EXAMINER HEARING

IN THE MATTER OF:

the hearing called by the Oil Conservation
Division on its own motion at the request
of Enserch Exploration, Inc., to consider
the assignment of 39,040 barrels of oil
discovery allowable to the Enserch
Lambirth Well No. 1 located in Unit K of
Section 31, Township 5 South, Range 33
East, South Peterson-Fusselman Pool,
Roosevelt County, New Mexico.

CASE
6406

BEFORE:

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

Lynn Teschendorf, Esq.
Legal Counsel for the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3080 Palm Blk. (SOS) 471-3403
Santa Fe, New Mexico 87501

1 MR. NUTTER: Call Case No. 6406.

2 MS. TESCHENDORF: Case 6404: In the matter of the hearing
3 called by the Oil Conservation Division on its own motion at
4 the request of Enserch Exploration, Inc., to consider the
5 assignment of 39,040 barrels of oil discovery allowable to
6 the Enserch Lambirth Well No. 1 located in Unit K of Section
7 31, Township 5 South, Range 33 East, South Peterson-Fussel-
8 man Pool, Roosevelt County, New Mexico.

9 MR. NUTTER: Are there any appearances in Case No. 6406?

10 This case is actually a matter of formality,
11 the pool having been created by the Division some months
12 back. At that time the Applicant had not filed for a dis-
13 covery allowable, but in all probability was entitled to at
14 that time.

15 If there is no objection, we will take the case
16 under advisement with the recommendation that the discovery
17 allowable be awarded, the discovery well in the pool.

18 (Hearing concluded.)
19
20
21
22
23
24
25

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3030 Plaza Alamosa (505) 471-2462
Santa Fe, New Mexico 87501

REPORTER'S CERTIFICATE

I, STEFANIE XANTHULL, a court reporter, DO
HEREBY CERTIFY that the foregoing and attached Transcript
of Hearing before the Oil Conservation Division was reported
by me; that the said transcript is a full, true, and correct
record of the hearing, prepared by me to the best of my abil-
ity, knowledge, and skill, from my notes taken at the time
of the hearing.

Stefanie Xanthull
Stefanie Xanthull, C.S.R.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
2020 Plaza Blanca (S.E.) 471-8463
Santa Fe, New Mexico 87502

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 6406
heard by me on 12/20/1978
[Signature], Examiner
Oil Conservation Division

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION ON ITS OWN MOTION AT
THE REQUEST OF ENSERCH EXPLORATION,
INC., TO CONSIDER THE ASSIGNMENT
OF AN OIL DISCOVERY ALLOWABLE,
ROOSEVELT COUNTY, NEW MEXICO.

CASE NO. 6406
Order No. R-5903

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on December 20, 1978, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 16th day of January, 1979, the Division Director, 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 Division has jurisdiction of this cause and the subject matter thereof.

(2) That by Order No. R-5771, entered July 17, 1978, in Case No. 6270, the Division created the South Peterson-Fusselman Pool comprising all of the SW/4 of Section 31, Township 5 South, Range 33 East, NMPM, Roosevelt County, New Mexico, and upon application of Enserch Exploration, Inc., promulgated temporary special rules and regulations for said pool, including a provision for 80-acre well spacing and proration units.

(3) That now the applicant in Case No. 6270, Enserch Exploration, Inc., seeks the assignment of 39,040 barrels of oil discovery allowable to the discovery well for said South Peterson-Fusselman Pool, being the Lambirth Well No. 1, located in Unit K of the aforesaid Section 31.

-2-

Case No. 6406
Order No. R-5903

(4) That said well is indeed the discovery well for a new pool and is entitled to 39,040 barrels of oil discovery allowable, based upon a depth of 7808 feet to the top of the perforations.

(5) That the assignment of said discovery allowable to the aforesaid well will not cause waste nor impair correlative rights, is in the interest of conservation, and should be approved.

IT IS THEREFORE ORDERED:

(1) That the Enserch Exploration, Inc., Lambirth Well No. 1, located in Unit K of Section 31, Township 5 South, Range 33 East, NMPM, Roosevelt County, New Mexico, is hereby assigned an oil discovery allowable of 39,040 barrels, to be produced within the next 731 days in accordance with the provisions of Rule 509 of the Division Rules and Regulations.

(2) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY,
Director

dr/

**ENSERCH
EXPLORATION INC.**

P. O. Box 4815
Midland, Texas 79701
915-682-9756

JAN 11 1979

Drilling and Production Division
West Texas District
F. G. Wilcox, District Petroleum Engineer
M. L. Borgan, Senior Petroleum Engineer
R. R. Sumner, Senior Petroleum Engineer
M. A. Philpy, Petroleum Engineer

October 27, 1978

New Mexico Oil Conservation Commission
District I
P.O. Box 1980
Hobbs, New Mexico 88240

Re: Request for Discovery Allowable
Lambirth No. 1
S. Peterson-Fusselman Pool
Roosevelt County, New Mexico

The attached information is for application for discovery allowable on Enserch Exploration, Inc's Lambirth No. 1 well in Roosevelt County, New Mexico.

Enclosed are two copies of the following:

- 1) Electric logs on the subject well
- 2) Geological cross-section prepared from electrical logs
- 3) A sub-surface structural map of the Fusselman formation based on sub-surface and seismic data
- 4) Form C-109
- 5) A summary of reservoir data and reservoir fluid data

The New Mexico Oil Conservation Commission in thier Order No. R-5771 dated July 17, 1978 created a new pool designated as the South Petersca-Fusselman Pool for Enserch Exploration, Inc's Lambirth No. 1. We respectfully request the assignment of discovery allowable for this well.

This well is capable of producing the discovery allowable. The well was flowed at a rate of 480 BOPD for 66 hours. A bottom hole pressure bomb indicated a drawdown in reservoir pressure of only 21 psi from the extrapolated shut in pressure.

If you need additional information please notify us.

Yours truly,
ENSERCH EXPLORATION, INC.

Fred G. Wilcox
Fred G. Wilcox
District Petroleum Engineer

FGW:ft
Attachments

**ENSERCH
EXPLORATION**

P. O. Box 4815
Midland, Texas 79701
915-682-9756

JAN 11 1979

Drilling and Production Division
West Texas District
F. G. Wilcox, District Petroleum Engineer
M. L. Borgan, Senior Petroleum Engineer
R. R. Sumner, Senior Petroleum Engineer
M. A. Philpy, Petroleum Engineer

October 27, 1978

Yates Petroleum Company
207 S. 4th
Artesia, New Mexico 88210

Re: Request for Discovery Allowable
Lambirth No. 1
S. Peterson-Fusselman Pool
Roosevelt County, New Mexico

Enserch Exploration, Inc. is requesting discovery allowable on the
subject well.

As required by the New Mexico Oil Conservation Commission we are
sending you a copy of Form C-109 Application of Discovery Allowable and
Creation of a New Pool.

Yours truly,

ENSERCH EXPLORATION, INC.

Fred G. Wilcox

Fred G. Wilcox
District Petroleum Engineer

FGW:ft

Attachment

RECEIVED

OCT 30 1978

OIL CONSERVATION COMM.
HONOLULU, H. I.

Reservoir Data

Perforations	7808-7852
Average Porosity	13.7%
Average Water Saturation	21.3%
Average Permeability(from build-up test)	298 md
Bottom Hole Pressure	2781 psi
Bottom Hole Temperature	155°F

Reservoir Fluid Data

Formation Volume Factor	1.568 @ solution pressure 1521 psi
Oil A.P.I. Gravity @60°F	47.1
Solution Gas/Oil Ratio @1521 psi	843 cu. ft./bbl.
Oil Viscosity @1521 psi	.343 cp

**NEW MEXICO OIL CONSERVATION COMMISSION
APPLICATION FOR DISCOVERY ALLOWABLE AND CREATION OF A NEW POOL**

Form C-100
Adopted 9-1-69

NOTE: This form is to be filled and attachments made in accordance with the provisions of Rule 509.
If discovery is claimed for more than one zone, separate forms must be filed for each.

JAN 11 1979

Operator ENSERCH EXPLORATION, INC.		Address P.O. Box 4815 Midland, Texas 79701	
Lease Name Lambert		Well No. 1	County Roosevelt
Well Location K 1980 Feet from The South Line and 1980 Feet			
From the West Line of Section 31 , Township 5E , Range 33E , NMPM			
Suggested Pool Names (List in order of preference) 1. S. Peterson-Fusselman			
Name of Producing Formation Fusselman		Perforations 7808-7852	Date of Filing Form C-100 June 6, 1978
Was "Affidavit of Discovery" Previously Filed For This Well in this Pool? yes		If Yes, Give Date of Filing July 6, 1978	Date Well was Spudded March 31, 1978
Total Depth 7992		Plugged Back Depth 7927	Depth (Gravel) Shoe 7959
Tubing Depth 7780		Elevation (Gr., DF, RKB, RT, etc.) 4428 DF	
Oil Well Potential (Test to be taken only after all load oil has been recovered) 638 Bbls. Oil Per Day Based On 638 Bbls. In 24 Hours; 0 Bbls. Water Per Day Based On 0 Bbls.			
In 24 Hours; Gas Production During Test: 703 MCF; Gas-Oil Ratio: 1102 Method Of Producing: Flow Chk. Size: 1"			

NEAREST PRODUCTION TO THIS DISCOVERY (Includes past and present oil or gas producing areas and zones whether this discovery is based on horizontal or vertical separation):

Pool Name S. Peterson	Name of Producing Formation Pennsylvanian	Top of Pay 7704	Bottom of Pay 7721	Currently Producing? yes
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Pool 2 miles		Vertical Distance from Subject Discovery Zone to Producing Interval this Pool 70'		

NEAREST COMPARABLE PRODUCTION (Includes past and present oil or gas production from this pay or formation only):

Pool Name S. Peterson	Top of Pay 7830	Bottom of Pay 7852	Currently Producing? yes
Horizontal Distance and Direction from Subject Discovery Well to the Nearest Well in this Comparable Pool 3 miles north			

Is "County Deep" Discovery Allowable Requested for Subject Discovery Well? NO	If Yes, Give Name, Location, and Depth of Next Deepest Oil Production in this County
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Is the Subject Well Multiple Completion? NO	Is Discovery Allowable Requested for Other Zone(s)? NO	If Yes, Name all Such Formations
---	--	----------------------------------

LIST ALL OPERATORS OWNING LEASES WITHIN ONE MILE OF THIS WELL (Attach additional sheet if necessary)

NAME	ADDRESS
Phillips Petroleum Company	4001 Penbrook, Odessa, Texas 79762

RECEIVED
OCT 30 1978
OIL CONSERVATION COMM.
HONOR. M. W. WOOD

for Dec 20

Due the matter of the hearing called by
the Oil Conservation Division on its own
motion ~~to~~ at the request of Kuerich
Exploration Inc. to consider the assign-
ment of 39,040 barrels of oil discovery
allowance to the Kuerich Lambirth Well
No. 1 located in Unit K of Section 31,
Township 5 South, Range 33 East, & South
Peterson-Fusselman Pool, Rosebud
County, Montana.

ROUGH

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION ~~ON~~ ON
~~ON~~: ITS OWN MOTION AT,

CASE NO. 6406

Order No. R-5903

THE REQUEST OF ENSERCH EXPLORA-
TION, INC., FOR TO CONSIDER THE
ASSIGNMENT OF AN OIL DISCOVERY
ALLOWABLE, ROOSEVELT COUNTY,
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

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NOW, on this _____ day of January, 19 79, the
Division Director, 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 Division has jurisdiction of this cause and the
subject matter thereof.

(2) That ~~the~~ by Order No. R-5771, entered
July 17, 1978, in Case No. 6270, the Division created
the South Peterson - Fusselman Pool ~~and~~ comprising
all of the SW¹/₄ Section 31, Township 5 South, Range
33 East, NMPM, Roosevelt County, New Mexico, and upon
application of Enserch Exploration, Inc., promulgated
temporary special rules and regulations for said pool
including a provision for 80-acre well spacing and protection
units.

(3) That now the applicant in Case No. 6270, Emsch Exploration, Inc., seeks the assignment of 39,040 barrels of oil discovery allowance to the discovery well for said South Peterson-Tussock Pool, being the Lambirth well No. 1, located in Unit K of the aforesaid Section 31.

(4) That said well is indeed the discovery well for a new pool and is entitled to 39,040 barrels of oil discovery allowance, based upon a depth of 7808 feet to the top of the perforation.

(5) That the assignment of said discovery allowance to the aforesaid well will not cause waste nor impair correlative rights, ~~and~~ is in the interest of conservation, and should be approved.

IT IS THEREFORE ORDERED:

(1) That the Emsch Exploration, Inc., Lambirth Well No. 1, located in Unit K of Section 31, Township 5 South, Range 33 East, NMPM, Roosevelt County, New Mexico, is hereby assigned an oil discovery allowance of 39,040 barrels, to be produced ^{within} the next 731 days in accordance with the provisions of Case No. 509 of the Division Rules and Regulations.

(2) Jurisdiction

DONE at