

CASE 7063: LEWIS BURLESON FOR THE EXTEN-
SION OF VERTICAL LIMITS OF THE LANGLEY
MATTY POOL, LEA COUNTY, NEW MEXICO

CASE NO.

7063

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.



ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

November 17, 1980

POST OFFICE BOX 2003
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(800) 827-2434

Mr. Thomas Kellahin
Kellahin & Kellahin
Attorneys at Law
Post Office Box 1749
Santa Fe, New Mexico

Re: CASE NO. 7063
ORDER NO. R-6520

Applicant:

Lewis Burleson

Dear Sir:

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

Yours very truly,

JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Bobbs OCD	x
Artesia OCD	x
Aztec OCD	

Other

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 7063
Order No. R-6520

APPLICATION OF LEWIS BURLESON FOR
THE EXTENSION OF VERTICAL LIMITS
OF THE LANGLIE MATTIX POOL, LEA
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on October 29, 1980, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 17th day of November, 1980, 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 applicant, Lewis Burleson, seeks the contraction of the vertical limits of the Jalmat Pool and the upward extension of the vertical limits of the Langlie Mattix Pool to a depth of 3150 feet under the SE/4 NW/4 of Section 22, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, said tract being the location of applicant's Mobil Well No. 1.
- (3) That the vertical limits of the Jalmat Pool as defined by Order No. R-520, dated August 12, 1954, include the ~~Tanque~~ and Yates formations and all but the lowermost 100 feet of the Seven Rivers formation.
- (4) That the vertical limits of the Langlie-Mattix Pool, as defined by said Order No. R-520, include the lowermost 100 feet of the Seven Rivers formation and all of the Queen formation.

-2-

Case No. 7063
Order No. R-6520

(5) That there has been some disparity among some geologists as to the actual base of the Seven Rivers formation and the top of the Queen formation and hence as to the location of the 100-foot marker separating the Jalmat and Langlie-Mattix Pools.

(6) That as a result of this disparity, the subject well and certain other wells in the general area which are classified as Langlie-Mattix wells have perforations extending across the aforesaid 100-foot marker in the Seven Rivers formation and into the Jalmat Pool.

(7) That such crossing over from one pool into the other in this case appears to be an unintentional error.

(8) That to rectify the aforesaid error would require workover operations on the subject well which would be expensive and might endanger the productivity of the subject well, and would actually serve no beneficial purpose, inasmuch as the production and reservoir characteristics of the perforations immediately above and below the 100-foot marker are quite similar.

(9) That a reasonable solution to the problem is to contract the vertical limits of the Jalmat Pool and to adjust the vertical limits of the Langlie-Mattix Pool upward to a depth of 3,150 feet to accommodate the present perforations in the lower Seven Rivers formation which are actually within the present Jalmat vertical limits in applicant's Mobil Well No. 1.

(10) That such adjustment will prevent waste and should not impair correlative rights and should be approved.

IT IS THEREFORE ORDERED:

(1) That the lowermost vertical limit of the Jalmat Pool underlying the SE/4 NW/4 of Section 22, Township 25 South, Range 37 East, NMPH, Lee County, New Mexico, is hereby contracted to a depth of 3,150 feet, subsurface, and the uppermost limit of the Langlie-Mattix Pool underlying said tract is hereby extended upward to the same subsurface depth, 3,150 feet.

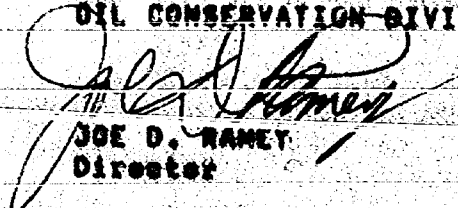
(2) That the effective date of the aforesaid revision of the vertical limits of said pools shall be the date the Lewis Burleson Mobil Well No. 1 was perforated between 3,150 feet and 3,214 feet.

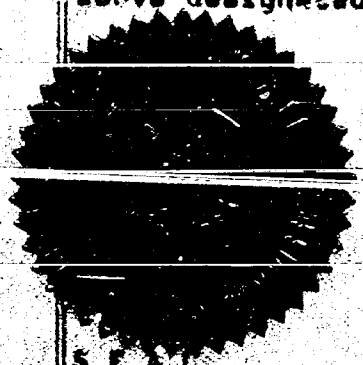
.1.
Case No. 7063
Order No. R-6520

(3) 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


SEAL

fd/

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
29 October 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Lewis Burleson for
the extension of vertical limits
of the Langlie Mattix Pool, Lea
County, New Mexico.

CASE
7063

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

W. Perry Pearce, Esq.
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant:

W. Thomas Kellahin, Esq.
KELLAHIN & KELLAHIN
500 Don Gaspar
Santa Fe, New Mexico 87501

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5	LEWIS BURLESON	
6	Direct Examination by Mr. Kellahin	3
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15	EXHIBITS	
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17	Applicant Exhibit One, Plat	4
18	Applicant Exhibit Two, Log	5
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MR. NUTTER: The hearing will come to order, please.

WE'll call next Case Number 7063.

MR. PEARCE: Application of Lewis Burleson for the extension of vertical limits of the Langlie Mattix Pool, Lea County, New Mexico.

MR. KELLAHIN: I'm Tom Kellahin of Santa Fe, New Mexico, appearing on behalf of the applicant, and I have one witness.

(Witness sworn.)

LEWIS BURLESON

being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Mr. Burleson, for the record would you please state your name and address?

A Lewis Burleson, Midland, Texas.

Q And are you the applicant in this case?

A Yes, I am.

Q And have you previously testified before

1
2 the Oil Conservation Division of New Mexico?

3 A Yes, I have.

4 Q In what capacity, Mr. Burleson?

5 A As a geologist and an owner and operator
6 of Burleson and Huff and now Lewis Burleson, Incorporated.
7

8 Q Are you the owner and operator of the
9 subject well?

10 A Yes, I am.

11 MR. KELLAHIN: We tender Mr. Burleson
12 as an expert geologist.
13

14 MR. NUTTER: Mr. Burleson is qualified.

15 Q Mr. Burleson, would you please refer to
16 what we've marked as Exhibit Number One and identify that for
17 us?

18 A Exhibit Number One is a map. Colored
19 in yellow is the 40-acre on which we drilled our Mobil No. 1
20 and it was drilled in May -- no, excuse me, in March of 1978;
21 was completed in May of 1978, flowing gas from the Langlie
22 Mattix at a rate of 231 Mcf a day on a 20/64th inch choke.
23

24 This 40 would be in Unit F, Section 22,
25 Township 25 South, Range 37 East, Lea County.

26 Q Do you operate or have interest in any
27 other Langlie Mattix wells in the area?

28 A We operate approximately twelve Langlie

1
2 Mattix areas in this immediate area. Most of the wells will
3 be to the immediate west of this producer.
4

5 Q Please refer to Exhibit Number Two and
6 identify that.

7 A Exhibit Number Two is a compensated
8 density log of the zone and area in question.

9 Marked in black are the 18 perforations
10 that were performed on this hole. When, starting from the
11 bottom, in red is the top of the Queen picked by the New Mexico
12 Oil Conservation Commission at 4314.

13 In green above that, 100 feet above,
14 will be the top of the pool boundary picked by the New Mexico
15 Oil Conservation Commission at 3214.
16

17 In blue on the bottom at 3250 is where
18 I picked the Queen, which is some 64 feet higher than the
19 Oil Conservation Commission's pick.

20 My perforations above my pick were 100
21 feet at 3150; that is from my Queen pick at 3250 to the --
22 where my first hole was, 3150, which gives me 64 feet that I
23 am in conflict with the rules for the Langlie Mattix Field,
24

25 I have three holes in this area, one
26 at 3150; one at 3196; and one at 3198.

27 Q There are a total of some 18 holes shot
28 to perforate this well?

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A. That is correct.

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Q And all but 3 are in compliance with

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Commission Order No. R-520?

5

A. That is correct.

6

Q All right.

7

A. Of the 3 holes, I would -- they would
be a very, very small part of the productive interval of this

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10 well as most of the -- I'd have to say 90 percent of the
11 pay is from 3240 down to 3392.

12

13 Q Mr. Burleson, is the ownership in com-
14 mon between the Langlie Mattix and the Jalmat Pools?

15

A. Yes, it is.

16

17 Q Do you have any other Langlie Mattix
18 wells that fail to comply with Order No. R-520?

19

20 A. Of the 50 wells we operate in this area,
21 this is the only well where I did not pick the Queen where
22 the -- where the State would have picked it.

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25 Q In your opinion, Mr. Burleson, will ap-
26 proval of this application be in the best interests of conser-
27 vation, the prevention of waste, and the protection of corre-
28 lative rights?

29

A. Yes, sir, it would.

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31 MR. KELLAHIN: We move the introduction
32 of Exhibits One and Two.

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MR. NUTTER: Exhibits One and Two will
be admitted in evidence.

Are there any questions of Mr. Burleson?
He may be excused.

Do you have anything further, Mr. Kel-
lahin?

MR. KELLAHIN: No, sir.

MR. NUTTER: Does anyone have anything
they wish to offer in Case Number 7063?

We'll take the case under advisement.

(Hearing concluded.)

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing 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 ability.

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Sumner Pa. Near I-40 Exit 87501
Phone (503) 425-7400

Sally W. Boyd C.S.R.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 7063 heard by me on 10/29 1982.

[Signature], Examiner
Oil Conservation Division

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.

SANTA FE, NEW MEXICO

29 October 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Lewis Burleson for
the extension of vertical limits
of the Langle Mattix Pool, Lea
County, New Mexico

CASE
7063

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

W. Perry Pearce, Esq.
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant:

W. Thomas Kellahin, Esq.
KELLAHIN & KELLAHIN
500 Don Gaspar
Santa Fe, New Mexico 87501

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I N D E X

LEWIS BURLESON

Direct Examination by Mr. Kellahin

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E X H I B I T S

Applicant Exhibit One, Plat

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Applicant Exhibit Two, Log

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2 MR. NUTTER: The hearing will come to
3 order, please.

4 WE'll call next case number 7063.

5 MR. PEARCE: Application of Lewis Burle-
6 son for the extension of vertical limits of the Langlie Mattix
7 Pool, Lea County, New Mexico.

8
9 MR. KELLAHIN: I'm Tom Kellahin of Santa
10 Fe, New Mexico, appearing on behalf of the applicant, and I
11 have one witness.

12
13 (Witness sworn.)
14

15 LEWIS BURLESON

16
17 being called as a witness and being duly sworn upon his oath,
18 testified as follows, to-wit:

19
20 DIRECT EXAMINATION

21 BY MR. KELLAHIN:

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23 please state your name and address?
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25 A Lewis Burleson, Midland, Texas.

26 Q And are you the applicant in this case?

27 A Yes, I am.

28 Q And have you previously testified before

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the Oil Conservation Division of New Mexico?

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A Yes, I have.

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Q In what capacity, Mr. Burleson?

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A As a geologist and an owner and operator of Burleson and Huff and now Lewis Burleson, Incorporated.

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Q Are you the owner and operator of the subject well?

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A Yes, I am.

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MR. REEDER: We tender Mr. Burleson as an expert geologist.

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MR. NUTTER: Mr. Burleson is qualified.

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Q Mr. Burleson, would you please refer to what we've marked as Exhibit Number One and identify that for us?

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A Exhibit Number One is a map. Colored in yellow is the 40-acre on which we drilled our Mobil No. 1 and it was drilled in May -- no, excuse me, in March of 1978; was completed in May of 1978, flowing gas from the Langlie Mattix at a rate of 231 Mcf a day on a 20/64th inch choke.

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This 40 would be in Unit F, Section 22, Township 25 South, Range 37 East, Lea County.

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Q Do you operate or have interest in any other Langlie Mattix wells in the area?

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2 Mattix areas in this immediate area. Most of the wells will
3 be to the immediate west of this producer.
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6 identify that.

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8 density log of the zone and area in question.

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10 that were performed on this hole. Then, starting from the
11 bottom, in red is the top of the Queen picked by the New Mexico
12 Oil Conservation Commission at 4314.

13 In green above that, 100 feet above,
14 will be the top of the pool boundary picked by the New Mexico
15 Oil Conservation Commission at 3214.
16

17 In blue on the bottom at 3250 is where
18 I picked the Queen, which is some 64 feet higher than the
19 Oil Conservation Commission's pick.

20 My perforations above my pick were 100
21 feet at 3150; that is from my Queen pick at 3250 to the --
22 where my first hole was, 3150, which gives me 64 feet that I
23 am in conflict with the rules for the Langlie Mattix Field.
24

25 I have three holes in this area, one
26 at 3150; one at 3196; and one at 3198.

27 Q There are a total of some 18 holes shot
28 to perforate this well?

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A. That is correct.

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Q. And all but 3 are in compliance with Commission Order No. R-520?

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A. That is correct.

7

Q. All right.

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A. Of the 3 holes, I would -- they would

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be a very, very small part of the productive interval of this well, as most of the -- I'd have to say 90 percent of the pay is from 3240 down to 3392.

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Q. Mr. Burleson, is the ownership in common between the Langlie Mattix and the Jalnat Pools?

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14

A. Yes, it is.

15

16

Q. Do you have any other Langlie Mattix

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wells that fail to comply with Order No. R-520?

18

A. Of the 50 wells we operate in this area, this is the only well where I did not pick the Queen where the -- where the State would have picked it.

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Q. In your opinion, Mr. Burleson, will approval of this application be in the best interests of conservation, the prevention of waste, and the protection of correlative rights?

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A. Yes, sir, it would.

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MR. KELLAHIN: We move the introduction of Exhibits One and Two.

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be admitted in evidence.

Are there any questions of Mr. Burleson?
He may be excused.

Do you have anything further, Mr. Kel-
lahin?

MR. KELLAHIN: No, sir.

MR. NUTTER: Does anyone have anything
they wish to offer in Case Number 7063?

We'll take the case under advisement.

(Hearing concluded.)

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing 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 ability.

SALLY W. BOYD, C.S.R.

Rt. 1 Box 191-B
Santa Fe, New Mexico 87501
Phone (505) 435-7409

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner heard by me on 10/29 1980.

[Signature], Examiner
Oil Conservation Division

Exhibit (

Exhibit

Dockets Nos. 36-80 and 37-80 are tentatively set for November 12 and 23, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - OCTOBER 29, 1980

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

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

CASE 7055: (This case will be continued to the November 25 hearing.)

Application of Union Oil Company of California for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Eaves-Lea Unit Area, comprising 2209 acres, more or less, of State and Federal lands in Township 21 South, Ranges 32 and 33 East.

CASE 7056: Application of Getty Oil Company for the extension of vertical limits of the Langlie Mattix Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the vertical limits of the Jalmat Pool and the upward extension of the vertical limits of the Langlie Mattix Pool to a depth of 3540 feet, subsurface, under the NW/4 SW/4 of Section 3, Township 24 South, Range 36 East.

CASE 7057: Application of Doyle Hartman for the extension of vertical limits of the Langlie Mattix Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the vertical limits of the Jalmat Pool and the upward extension of the vertical limits of the Langlie Mattix Pool to the following depths underlying the following 40-acre tracts in Township 24 South, Range 37 East: SE/4 SE/4 of Section 30: 3354 feet; NE/4 SE/4 of Section 30: 3389 feet; and SE/4 SW/4 of Section 20: 3390 feet.

CASE 7058: Application of Tahoe Oil & Cattle Company for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Jalmat and Langlie Mattix production in the wellbores of its Harrison Wells Nos. 1 and 2 located in Units A and B, respectively, and its Judy Well No. 1 located in Unit C, all in Section 7, Township 25 South, Range 37 East.

CASE 7059: Application of Gulf Oil Corporation for the extension of vertical limits of the Langlie Mattix Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the vertical limits of the Jalmat Pool and the upward extension of the vertical limits of the Langlie Mattix Pool to a depth of 3406 feet under the W/2 SW/4 of Section 30, Township 24 South, Range 37 East.

CASE 7060: Application of Mobil Producing Inc. for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Jalmat and Langlie Mattix production in the wellbores of its Humphrey Queen Unit Wells Nos. 13 in Unit I of Section 4 and 16 in Unit K of Section 3 and its Langlie Mattix Queen Unit Well No. 10 in Unit C of Section 15, all in Township 25 South, Range 37 East.

CASE 7061: Application of Bettis, Boyle & Stovall for downhole commingling, 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 Justis B Well No. 8 located in Unit C of Section 20, Township 25 South, Range 37 East.

CASE 7062: Application of El Paso Natural Gas Company for downhole commingling, 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 Carlson Federal Well No. 2 located in Unit M of Section 3, Township 25 South, Range 37 East.

CASE 7063: Application of Lewis Burleson for the extension of vertical limits of the Langlie Mattix Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the vertical limits of the Jalmat Pool and the upward extension of the vertical limits of the Langlie Mattix Pool to a depth of 3150 feet under the SE/4 NW/4 of Section 22, Township 25 South, Range 37 East.

CASE 7041: (Continued from October 8, 1980, Commission Hearing)

Application of John Yuronka for the extension of vertical limits of the Langlie Mattix Pool, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the vertical limits of the Jalmat Pool and the upward extension of the vertical limits of the Langlie Mattix Pool to a depth of 3,408 feet, subsurface, under the NW/4 SW/4 of Section 17, Township 24 South, Range 37 East.

CASE 7064: Application of El Paso Natural Gas Company for an unorthodox location and simultaneous dedication, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the simultaneous dedication of a previously approved 440-acre proration unit comprising the S/2, S/2 NW/4, and NW/4 NW/4 of Section 33, Township 25 South, Range 37 East, Jalmat Gas Pool, to its Gregory Fed. Well No. 1 located in Unit J and its Gregory Fed. A Well No. 2, at an unorthodox location in the center of Unit L of said Section 33.

Dan Nutter

3214
X4
3150

Lewis Burleson

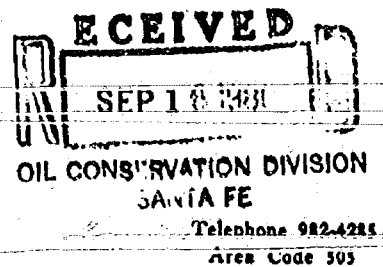
Mobil Well No. 1

SE NW/4 22-25-37

cutting of vert limits of
Jelmak & upward cut
of vert limits of
Langley matrix to 350 feet

Jason Kellahin
W. Thomas Kellahin
Karen Aubrey

KELLAHIN and KELLAHIN
Attorneys at Law
500 Don Gaspar Avenue
Post Office Box 1769
Santa Fe, New Mexico 87501



September 11, 1980

Mr. Joe Ramey
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87501

Re: Lewis Burleson
Langlie-Mattix Pool

Case 7063

Dear Joe:

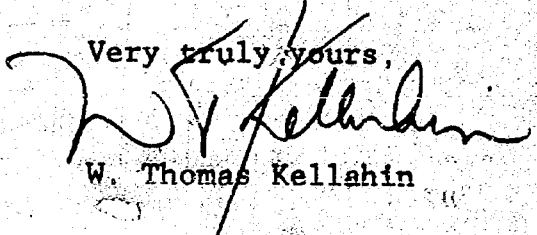
On August 27, 1980, I conveyed to Dan Nutter a request by Mr. Lewis B. Burleson concerning his Mobil #1 well located in the SE/4NW/4 of Section 22, T25S, R37E, Lea County, New Mexico.

Mr. Burleson desires to have the vertical limits of the Langlie Mattix Pool as found in this well raised from 3214 feet to 3150 feet to bring this well into compliance with the subject pool rules.

Mr. Burleson advises me that the ownership for the Jalmat Pool and the Langlie Mattix Pool are the same and that no impairment of correlative rights will occur in this well.

Please advise me when the Langlie Mattix Pool wells will be set for an exception hearing.

Very truly yours,


W. Thomas Kellahin

cc: Mr. Jerry Sexton
Mr. Lewis Burleson

WTK:jm

dr/

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
DIVISION FOR THE PURPOSE OF
CONSIDERING:

CASE NO. 7063

Order No. R-6520

APPLICATION OF LEWIS BURLESON FOR THE
EXTENSION OF VERTICAL LIMITS OF THE
LANGLIE MATTIX POOL, LEA COUNTY,
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on October 29
19 80, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this _____ day of November, 19 80, 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 applicant, Lewis Burleson, seeks the contraction
of the vertical limits of the Jalmat Pool and the upward extension
of the vertical limits of the Langlie Mattix Pool to a depth of
3150 feet under the SE/4 NW/4 of Section 22, Township 25 South,
Range 37 East, NMPM, Lea County, New Mexico, *said tract being the
location of applicant's Mobil Well No. 1.*

(3) That the vertical limits of the Jalmat Pool as defined by Order No. R-520, dated August 12, 1954, include the Tansill and Yates formations and all but the lowermost 100 feet of the Seven Rivers formation.

(4) That the vertical limits of the Langlie-Mattix Pool, as defined by said Order No. R-520, include the lowermost 100 feet of the Seven Rivers formation and all of the Queen formation.

(5) That there has been some disparity among some geologists as to the ^{actual} base of the Seven Rivers formation and the top of the Queen formation and hence as to the location of the 100-foot marker separating the Jalmat and Langlie-Mattix pools.

(6) That as a result of this disparity, the subject well ^{certain} and other wells in the general area which are classified as Langlie-Mattix wells have perforations extending across the aforesaid 100-foot marker in the Seven Rivers formation ~~and into the Jalmat Pool.~~

(7) That such crossing over from one pool into the other in this case appears to be an unintentional error.

(8) That to rectify the aforesaid error would require workover operations on the subject well which would be expensive and might endanger the productivity of the subject well, and would actually serve no beneficial purpose, inasmuch as the production and reservoir characteristics of the perforations immediately above and below the 100-foot marker are quite similar.

(9) That a reasonable solution ^{contract the vertical limits of the Jalmat Pool and to} to the problem is to adjust the vertical limits of the Langlie-Mattix Pool upward to a depth of 3150 feet ^{to} to accommodate the present perforations in the lower Seven Rivers formation which are actually within the present Jalmat vertical limits ^{in applicant's Mobil Well No. 1.}

(10) That such adjustment will prevent waste and should not impair correlative rights and should be approved.

IT IS THEREFORE ORDERED:

(1) That the lowermost vertical limits of the Jalmat Pool underlying the SE/4 NW/4 of Section 22, Township 25 South, Range 37 East, NMPM, Lea County, New Mexico, is hereby contracted to a depth of 3150 feet, subsurface, and the uppermost limit of the Langlie-Mattix Pool underlying said tract is hereby extended upward to the same subsurface depth, 3150 feet.

(2) That the effective date of the aforesaid revision of the vertical limits of said pools shall be the date the Louisiana Mobil Well No. 1 was perforated between 3150 feet and 3214 feet.

(3) Jurisdiction.

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