

CASE 7379: JEM RESOURCES, INC. FOR
VERTICAL POOL EXTENSION AND SPECIAL GOR
LIMIT, EDDY COUNTY, NEW MEXICO

BEST AVAILABLE COPY

DOCKET MAILED

Date 10/9/81
11/6/81

CASE NO.

7379

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
19 November 1981

EXAMINER HEARING

IN THE MATTER OF:

Application of JEM Resources, Inc.,
for vertical pool extension and
special GOR limit, Eddy County,
New Mexico.

CASE
7379

BEFORE: Richard L. Stamets

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:

Ernest L. Padilla, Esq.
P. O. Box 2523
Santa Fe, New Mexico 87501

I N D E X

BEST AVAILABLE COPY

DALTON BELL

Direct Examination by Mr. Padilla 4

Cross Examination by Mr. Stamets 10

WILBUR SHACKLEFORD

Direct Examination by Mr. Padilla 11

Cross Examination by Mr. Stamets 13

E X H I B I T S

Applicant Exhibit One, Map 7

Applicant Exhibit Two, Order R-199 7

Applicant Exhibit Three, Summary 8

Applicant Exhibit Four, Type Log 12

Applicant Exhibit Five, Document 9

Applicant Exhibit Six, Document 9

MR. STAMETS: The hearing will please
come to order.

We'll call next Case 7379.

MR. PEARCE: Application of JEM Resources,
Incorporated for a vertical pool extension and special GOR
limit, Eddy County, New Mexico.

MR. STAMETS: Call for appearances in
this case.

MR. SHACKLEFORD: I'm Wilbur Shackleford,
a consulting geologist and an independent oil producer from
Roswell, New Mexico, and also Vice President of JEM Resources,
and this Dalton Bell and he's the President of JEM Resources
from Artesia.

MR. STAMETS: I think we've got a prob-
lem, and we're off the record.

(Thereupon a discussion was
had off the record.)

MR. STAMETS: Back on the record. This
case will continue until after lunch.

1

4

2

MR. STAMETS: All right, we'll go back

3

now and call again Case 7379.

4

Matter of fact, we've already called

5

Case 7379.

6

We'll now call for appearances in Case

7

7379.

8

MR. PADILLA: Mr. Examiner, my name is

9

Ernest L. Padilla, on behalf of the applicant in this case.

10

I have two witnesses to be sworn.

11

12

(Witnesses sworn.)

13

14

DALTON BELL

15

being called as a witness and being duly sworn upon his oath,

16

testified as follows, to-wit:

17

18

DIRECT EXAMINATION

19

BY MR. PADILLA:

20

Q

Mr. Bell, would you please state your

21

name, by whom you're employed and in what capacity?

22

A

My name is Dalton Bell. I am President

23

of JEM Resources, Incorporated.

24

Q

Mr. Bell, are you from Artesia, New

25

Mexico?

1

5

2

A. Yes, I am.

3

Q. Mr. Bell, have you previously testified

4

before the Oil Conservation Division and had your credentials

5

accepted as a matter of record?

6

A. No, I have not.

7

Q. Mr. Bell, would you please state for

8

us what your experience in the oil and gas industry are?

9

A. Yes. I started out as a pumper in the

10

early 1960's and I purchased a stripper lease in west Texas

11

in 1971, and have been continuously operating in the oil and

12

gas business for myself since that time, later purchasing

13

acreage in Eddy County, primarily.

14

Q. Mr. Bell, do you or does JEM operate

15

the Cave Grayburg Pool in Eddy County?

16

A. Yes, it does.

17

Q. Are you familiar with the purpose of

18

the case today?

19

A. Yes, I am.

20

MR. PADILLA: Mr. Examiner, are the

21

witness' qualifications acceptable as a practical oil man?

22

MR. STAMETS: Yes, the witness is consi-

23

dered qualified.

24

Before we start, I would point out that

25

the extension of the vertical limits of the pool was accom-

1
2 plished earlier by Division Order R-6810, and so the only
3 thing that we have to consider here today is the special gas/
4 oil ratio.

5 MR. PADILLA: Mr. Examiner, we did want
6 to discuss that portion of the case.

7 Also, I'd also like to point out that --
8 well, let me go on and ask Mr. Bell what the purpose of the
9 case is and he will explain it.

10 Q Mr. Bell, what is the purpose of the
11 case today?

12 A Well, we are asking to lift the gas/oil --
13 or eliminate the gas/oil ratio on this field in order to try
14 to recover some gas and get ourselves in a better economic
15 position to produce this area.

16 Q Mr. Bell, the advertisement for this
17 case indicated that as an alternative you would consider a
18 6000-to-1 oil/gas ratio. In your testimony it seems as if
19 you would like to eliminate the gas/oil ratio entirely, is
20 that --

21 A I'd like to eliminate the expense of
22 running gas/oil ratio tests, if we could.

23 Q Mr. Bell, is the Cave Grayburg Pool an
24 old oil pool?

25 A Yes, it's very old pool. Basically,

1

2

drilling began as early as 1956.

3

A. And are you basically running a salvage

4

operation there now?

5

A. Yes, that's correct.

6

Q. And is that your main purpose in seeking

7

a elimination of the gas/oil ratio?

8

A. Well, we have discovered that it's pos-

9

sible to produce some gas from other zones than the unitized

10

zone, which is the Premier there, but in order to do so, we

11

will have to eliminate the gas/oil ratio, or at least increase

12

it.

13

Q. Mr. Bell, let me hand you what has been

14

marked as Exhibit Number One, and would you please tell the

15

Examiner what that contains?

16

A. Okay. This -- this represents the lands

17

that we operate. The yellow is the Cave Pool Unit. The

18

green is also included within the boundaries of the Cave Pool

19

but is not in the unit and the blue is acreage that we are

20

in the process of farming in.

21

Q. So the green and the yellow colored is

22

actually the Cave Grayburg, is that correct?

23

A. Yes, that's correct.

24

Q. Mr. Bell, let me hand you what has been

25

marked as Exhibit Number Two. Would you please tell the

1
2 Examiner what that is and what it contains?

3 A. This is Case No. 390, Order R-199, which
4 is -- eliminated or done away with the gas/oil ratio on a
5 number of fields in our area, and particularly the Artois,
6 Grayburg Jackson, Red Lake, and Square Lake, and two of the
7 fields are contiguous to our acreage, being the Square Lake
8 and the Grayburg Jackson.

9 Q Mr. Bell, let me hand you what has been
10 marked as Exhibit Number Three and would you tell us generally
11 what that contains?

12 A. This is a three month summary for the
13 beginning of 1976 when we purchased this acreage, three
14 months each year up to date, of our production from the unit-
15 ized zone.

16 Q Does that exhibit show any gas production
17 a day?

18 A. No, sir, it does not.

19 Q Has there been any gas production?

20 A. Not in -- not since I have owned the --
21 this lease.

22 Q On those particular wells?

23 A. Very small amounts, maybe, when they
24 were first drilled but none in the recent past.

25 Q Let me for the moment, Mr. Examiner,

1
2 skip Exhibit Number Four, that will be identified by another
3 witness, and let me skip to Exhibits Five and Six.

4 Mr. Bell, would you identify and tell us
5 what Exhibits Five and Six are?

6 A Okay. Exhibit -- really we need to go
7 to Exhibit Six first, because we discovered through logs and
8 other means that the possibility existed of the dry gas being--
9 being able to produce it from the Grayburg zone in a different
10 zone from the Premier, which was the unitized formation.

11 So we drilled a new well, being the
12 Leverett No. 5, and that well tested a daily gas volume of
13 630 Mcf of dry gas.

14 And then we drilled the Leverett No. 6
15 in the same field, which tested at 672 Mcf of dry gas, and
16 these two and the State No. 1 is also listed there, which
17 was a re-entry, and it showed a volume of 107 cubic feet per
18 day of dry gas from the Upper Grayburg Metex and Loco Hills
19 zones.

20 Q Mr. Bell, have any of the wells in the
21 pool, are they producing the top allowable?

22 A No, they're not.

23 Q And Exhibit Number Three indicates what
24 their production is.

25 A Yes, that's correct.

Q Mr. Bell, are you of the opinion that the GOR limitation ought to be eliminated?

A Yes, I am. I don't see as there would be any harm in doing this and it would certainly benefit us economically.

Q Mr. Bell, have you discussed this problem with the District Supervisor for the Artesia District?

A Yes, I have. He's very familiar with it and he's worked with me on it for quite a long time. He's been aware of these wells since they were drilled and we have discussed this on numerous occasions and it was his recommendation that we ask for elimination of the GOR.

MR. PADILLA: Mr. Examiner, I have no further questions of this witness.

CROSS EXAMINATION

BY MR. STAMETS:

Q Mr. Bell, in your activity out there of completing wells in these additional zones, have you found any additional zones that have had oil in them or do they all have gas?

A Above the Premier, the Premier is the very bottom of the Grayburg formation, above the Premier we have them to contain only gas. We deepened one well as a

1
2 test into the San Andres formation, and we did find gas and
3 oil in that San Andres in a producing quantity, but we would
4 also need the gas/oil ratio lifted on it in order to produce
5 it because it comes under the same rules.

6 Q Will the other witness be talking about
7 that well?

8 A Yes, sir, I believe he will.

9 Q Okay. I'll defer any questions until
10 that time.

11 MR. STAMETS: Any other questions of
12 this witness? He may be excused.

13 A Thank you.

14 MR. PADILLA: Mr. Examiner, I call
15 Wilbur Shackleford.

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

20
21 DIRECT EXAMINATION

22 BY MR. PADILLA:

23 Q Mr. Shackleford, would you please state
24 your name, by whom you're employed and in what capacity?

25 A Wilbur Shackleford, geological consul-

1

2

tant, and I'm an independent producer and Vice President of
JEM Resources, and live in Roswell, New Mexico.

3

4

Q. Mr. Shackleford, have you previously
testified before the Oil Conservation Division?

5

6

A. I have not.

7

Q. Would you please state your educational
background and your work experience?

8

9

A. I'm a graduate of Southern Methodist Uni-
versity in geology in 1951.

10

11

From 1951 to 1962 I was employed as an
independent in Roswell, New Mexico, as a geologist, district
geologist, chief geologist, exploration manager, and so forth,
and since 1962 I have been a consultant and independent pro-
ducer.

15

16

MR. PADILLA: Mr. Examiner, are the wit-
ness' qualifications acceptable?

17

18

MR. STAMETS: They are.

19

Q. Mr. Shackleford, let me hand you what
has been marked as Exhibit Number Four, and would you please
tell the Examiner what that is and what it contains?

20

21

22

A. These are really what I would call type
logs throughout the Cave Pool, and I've shown on here the
various formations that produce throughout -- throughout the
field. This is not a cross section. It's strictly a surface

23

24

25

1

13

2

and type logs picked up in the north part and some in the center and some in the south part, representative logs of the Cave Pool.

4

5

Q

Mr. Shackleford, which are the gas producing zones as depicted on those type logs?

6

7

A

Two of the wells are producing from the Metex, which is a Grayburg. One of the wells is producing from the Loco Hills, which is a Grayburg, and that's a re-entry, and the oil well that Mr. Bell spoke of is producing from a Lovington formation, which is San Andres, and is classified as an oil well.

10

11

12

13

Q

Mr. Bell, the Metex and the Loco Hills are within the vertical limits of the Cave Grayburg-San Andres Pool, is that correct?

14

15

16

A

Yes, sir.

17

18

MR. PADILLA: Mr. Examiner, I don't

have any further questions of this witness.

19

20

CROSS EXAMINATION

21

BY MR. PADILLA:

22

Q

Mr. Shackleford, where are the San Andres, or is the San Andres well, or are the San Andres wells, located on Exhibit One?

23

24

25

A

In Section -- the San Andres well?

Q Yes.

A In Section 5 up there in the northeast corner, the No. 3.

Q The well with the circle around it?

A Yes, sir.

Q Okay, and that's the only well in there at this time producing out of the San Andres? Is that correct?

A Yes, sir.

Q What's the gas/oil ratio on that well?

A Mr. Examiner, I might need to ask -- you might ask the other witness. He'd probably have it.

Q He can feel free to answer from his chair.

MR. BELL: It's approximately 6000-to-1.

MR. STAMETS: How much oil and gas is the well producing?

MR. BELL: It's producing right now, we've had it on production almost two months, and it's producing about 25 barrels of oil and about 200, 150 to 200 Mcf of gas.

The figure I quoted was on the initial production.

Q Again either witness may answer this.

Is this the only well that's been drilled to that depth so

1
2 far?

3 MR. BELL: Yes, it is. There are some
4 wells that were drilled to that depth but they were plugged
5 back to the Premier and only produced out of the Premier.
6 Back in the early days of this thing there was some drilled
7 to it but not tested, as far as we can determine.

8 Q Do you intend to drill additional wells
9 to this --

10 MR. BELL: Yes, sir.

11 Q -- depth and to test that? And so there
12 might be more information available later as to San Andres
13 and gas/oil ratio characteristics --

14 MR. BELL: Yes.

15 Q -- throughout this area.

16 Would the 6000 gas/oil ratio limitation
17 satisfy your immediate problems while this additional drilling
18 is taking place?

19 MR. BELL: I don't know exactly how --
20 how to figure it. On these Leverett No. 5 and Leverett No.
21 6 it's strictly dry gas. So 6000 feet per day, would that
22 be the calculation or --

23 MR. STAMETS: Let me get my calculator
24 and tell you what that would be.

25 That would be 480,000 cubic feet per day

allowable on those wells.

MR. BELL: These wells tested on the actual 24-hour test at the beginning 670 and 660 Mcf.

MR. STAMETS: Is that into the pipeline or absolute open flow?

MR. BELL: That -- -initial production they did produce that much.

A. That was not, if I may answer that, it was not calculated absolute open flow. They were just flowing on about an 18 - 24/64th choke but not into a pipeline.

MR. STAMETS: Let's go off the record a minute.

(There followed a discussion off the record.)

MR. STAMETS: Let's go back on the record.

Q. Mr. Bell or Mr. Shackelford, whoever is appropriate, it would seem as though the Grayburg zones are pretty well known that you probably have a salvage project in the shallower zones. At this stage we don't have a lot of detail on the San Andres.

Would you be willing to work with our Artesia District Office, give them the data they need to

1

17

2

evaluate the San Andres zone in these wells with a possibi-

3

lity of perhaps having them being able to re-institute gas/

4

oil ratio testing and a limitation if that appear necessary?

5

MR. BELL: Yes, sir, sure will.

6

MR. STAMETS: Okay. Are there any other

7

questions of either witness? They may be excused.

8

Anything further in this case?

9

The case will be taken under advisement.

10

11

(Hearing concluded.)

12

13

14

15

16

17

18

19

20

21

22

23

24

25

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 Conserva-
tion 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 CSR

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

11-19
Richard L. Stamm
Oil Conservation Division Examiner
73/77
8/

NOT AVAILABLE FROM

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. 7379
Order No. R-6850

APPLICATION OF JEM RESOURCES,
INC., FOR VERTICAL POOL EXTENSION
AND SPECIAL GOR LIMIT, EDDY COUNTY,
NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on November 19, 1981, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 9th day of December, 1981, 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, JEM Resources, Inc., seeks the vertical extension of the Cave-Grayburg Pool to include the San Andres Formation, and the establishment of a special gas-oil ratio limit for said pool to 6000 to one or, in the alternative, the abolishment of the gas-oil ratio limit in said pool, all to be effective October 1, 1981.

-2-

CASE No. 7379
Order No. R-6850

(3) That by Division Order No. R-6810 effective November 1, 1981, the vertical limits of said Cave-Grayburg Pool were extended to include the San Andres formation.

(4) That such extension should be made retroactive to October 1, 1981.

(5) That the evidence presently available indicates that wells within said Cave-Grayburg San Andres Pool may be produced without waste subject to no gas-oil ratio limitation.

(6) That the applicant should be required to test newly completed or recompleted wells in said pool to assure that such wells and pool may continue to produce without waste with no limiting gas-oil ratio.

(7) That the applicant should consult with the supervisor of the Division's district office at Artesia to establish data which should be reported on each newly completed or recompleted well in said pool.

(8) That the Director of the Division should be authorized to administratively reinstitute a gas-oil ratio limit in said pool whenever it should appear necessary to prevent waste or protect correlative rights.

(9) That approval of the subject application subject to the foregoing provisions will permit the said pool to be produced without waste and will not violate correlative rights.

IT IS THEREFORE ORDERED:

(1) That Division Order No. R-6810, dated October 23, 1981, to be effective November 1, 1981, is hereby amended with respect to ordering paragraph (m) only to make the effective date of the extension of the vertical limits of the Cave-Grayburg Pool to include the San Andres formation October 1, 1981.

(2) That effective October 1, 1981, the Cave-Grayburg-San Andres Pool is hereby exempted from the gas-oil ratio limitation provisions of Division Rule 506.

BEST AVAILABLE COPY

-3-

Case No. 7379
Order No. R-6850

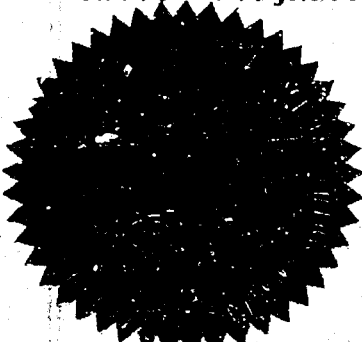
PROVIDED HOWEVER, that any operator within said pool shall be required to test newly completed or recompleted wells in said pool to assure that such wells and pool may continue to produce without waste with no limiting gas-oil ratio.

PROVIDED FURTHER, that applicant shall consult with the supervisor of the Division's district office at Artesia to establish data which shall be reported for each newly completed or recompleted well in said pool.

(3) That the Director of the Division is hereby authorized to administratively reinstitute a gas-oil ratio limit in said pool whenever it should appear to be necessary to prevent waste or protect correlative rights.

(4) 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.



S E A L

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Joe D. Ramey
JOE D. RAMEY,
Director

BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF THE STATE OF NEW
MEXICO FOR THE PURPOSE OF CONSIDER-
ING:

BEST AVAILABLE COPY

CASE NO. 390
ORDER NO. R-199

THE APPLICATION OF THE OIL
CONSERVATION COMMISSION UPON
ITS OWN MOTION FOR AN ORDER (a)
EXEMPTING CERTAIN POOLS IN EDDY,
LEA, CHAVES AND ROOSEVELT COUNTIES
FROM THE PROVISIONS OF RULE 301 AND
RULE 506 (PARAGRAPH 'D'); AND (b) EXEMPT-
ING CERTAIN POOLS IN LEA COUNTY FROM
THE PROVISIONS OF RULE 506 (PARAGRAPH
'D').

BEFORE ESTABLISHING A STANDARD OIL CONSERVATION COMMISSION	
CASE NO.	7379
Submitted by	
Hearing Date	

ORDER OF THE COMMISSION

BY THE COMMISSION:

This matter came on for hearing at Santa Fe, New Mexico, at 9 o'clock a.m. August 19, 1952, and September 16, 1952, before the Oil Conservation Commission of New Mexico, hereinafter referred to as the "Commission."

NOW, on this 13th. day of November, the Commission, a quorum being present, having considered the testimony adduced and the exhibits received at said hearing, and being otherwise fully advised in the premises,

FINDS:

(1) That due notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.

(2) That the following pools in Eddy, Lea, Chaves and Roosevelt Counties, New Mexico, by reason of their low productivity of oil and gas, should be exempted from:

(a) The provisions of Rule 301 of the Commission's Rules and Regulations, said rule pertaining to the filing of Form C-116, Gas-Oil Ratio Test; and

(b) The provisions of Paragraph (d) of Rule 506 of the Commission's Rules and Regulations, said rule pertaining to gas-oil ratio limitations.

Acme, Aid, Anderson, Artesia, Barber, Benson, Black River, Burton, Caprock, Cedar Hills, Chisum-San Andres, Daughterity, Dayton, South Drinkard, Dublin-Devonian, Empire, Forest, Fren, Garrett, Getty, Grayburg-Jackson, Grayburg-Keely, Halfway, Henshaw, High Lonesome, Leo, Leonard, Loco Hills, Loco Hills-Queen, Lusk, West Lusk, North Lynch, East Maljamar, South Maljamar, McMillan, McMillan-Seven Rivers, Millman, Nadine, New Hope, Nichols, P.C.A., Pearsall, Penrose-Skelly, Premier, Red Lake, Robinson, Russell, Santo Nino, San Simon, Sawyer, Shugart, North Shugart, Square Lake, Teas, Turkey Track, East Turkey Track, West Turkey Track, Turkey Track-Seven Rivers, Watkins, Watkins-Grayburg, North Wilson, and Young.

(3) That the following pools in Lea County, New Mexico, because of their low productivity of gas should be exempted from the provisions of Rule 506, Paragraph (d), of the Commission's Rules and Regulations, pertaining to gas-oil ratio limitations.

Baish, Cooper-Jal, South Eunice, Hardy, Lynch, Langlie-Mattix, Maljamar-Paddock, Rhodes, Wilson, West Wilson, Crossroads, Bagley-Siluro-Devonian, East Caprock-Devonian, and Knowles.

IT IS THEREFORE ORDERED:

(1) That the following pools in Eddy, Lea, Chaves and Roosevelt Counties be and the same hereby are exempted from the provisions of Rule 301 of the Commission's Rules and Regulations and from the provisions of Rule 506, Paragraph (d), of the Commission's Rules and Regulations:

Acme, Aid, Anderson, Artesia, Barber, Benson, Black River, Burton, Caprock, Cedar Hills, Chisum-San Andres, Daughterity, Dayton, South Drinkard, Dublin-Devonian, Empire, Forest, Fren, Garrett, Getty, Grayburg-Jackson, Grayburg-Keely, Halfway, Henshaw, High Lonesome, Leo, Leonard, Loco Hills, Loco Hills-Queen, Lusk, West Lusk, North Lynch, East Maljamar, South Maljamar, McMillan, McMillan-Seven Rivers, Millman, Nadine, New Hope, Nichols, P.C.A., Pearsall, Penrose-Skelly, Premier, Red Lake, Robinson, Russell, Santo Nino, San Simon, Sawyer, Shugart, North Shugart, Square Lake, Teas, Turkey Track, East Turkey Track, West Turkey Track, Turkey Track-Seven Rivers, Watkins, Watkins-Grayburg, North Wilson, and Young.

(2) That the following pools in Lea County, New Mexico, be and the same hereby are exempted from the provisions of Rule 506, Paragraph (d), of the Commission's Rules and Regulations:

Case No. 390
Order No. R-199

BEST AVAILABLE COPY

Baish, Cooper-Jal, South Eunice, Hardy, Lynch, Langlie-Mattix,
Maljamar-Paddock, Rhodes, Wilson, West Wilson, Crossroads, Bagley-Siluro-
Devonian, East Caprock-Devonian, and Knowles.

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

EDWIN L. MECHEM, Chairman

GUY SHEPARD, Member

R. R. SPURRIER, Secretary

SEAL

Rule 301 requires G.O.R. Test, and Siling of 2116
Rule 506 establishes 2000 to 1 as the statewide
G.O.R. limit.

OPERATOR'S MONTHLY REPORT

P. O. Box 2086, Santa Fe 87501

ORIGINAL TO OCC SANTA FE
ONE COPY TO OCC DIST. OFFICE
ONE COPY TO TRANSPORTER(S)

Form C-115
(Rev. 8-1-77)

J. E. M. Resources, Inc.

P.O. Box 2103, Roswell, New Mexico

88201

April, 1981

Page 1 of 1

WELL NAME (Underline)					INJECTION	TOTAL LIQUIDS PRODUCED			GAS PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL					
*Lease Name	WELL NO	UNIT	SEC	TWP		RNG	MONTHLY	ACTUAL			BARRELS	SOLD	TRANS- POR- TER	OTHER	C O I L O N H A N D O F M O N T H	OIL ON HAND AT END OF MONTH	BARRELS T R A N S P O R T E R	TRANS- POR- TER	OTHER
CASE NAME - Include State Land Lease Number or Federal Lease Number																			
CAVE POOL UNIT					91-008511														
1 O 33 16 29	P					30	8	3		30									
3 A 4 17 29	P					30	16	1		20									
5 C 4 17 29	T					0	0	0		0									
7 A 5 17 29	P					120	68	20		30									
10 G 5 17 29	P					120	76	16		30									
12 E 4 17 29	P					30	12	4		18									
14 G 5 17 29	P					30	6	2		17									
16 E 3 17 29	P					120	76	12		30									
17 I 4 17 29	T					30	0	0		0									
19 K 4 17 29	P					30	10	8		18									
21 I 5 17 29	P					60	31	16		30									
23 K 4 17 29	P					150	110	26		30									
26 O 5 17 29	P					60	33	15		20									
28 M 4 17 29	P					60	32	13		30									
30 O 4 17 29	P					30	18	5		16									
32 A 9 17 29	T					30	0	0		0									
35 A 9 17 29	P					180	106	21		30									
41 E 8 17 29	T					30	0	0		0									
52 M 5 17 29	P					30	7	4		12									
							609	166											
										289	334	Nco	564						

STATUS CODE

F.....FLOWING
P.....PUMPING
G.....GAS LIFT
S.....SHUT IN
T.....TEMP. REASONED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE

A.....USED OFF LEASE
D.....USED FOR DRILLING } DETAIL ON FORM C-111
G.....GAS LIFT
L.....LOST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
PRESSURE MAINTENANCE

"OTHER" OIL DISPOSITION CODE

C.....CIRCULATING OIL
L.....LOST
S.....SEDIMENTATION (BSGW)
E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS
TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

JOE B. BELL

Secy-Treas

(NAME)

(POSITION)

289

334

Nco

564

10

J E M RESOURCES, INC.

P.O. BOX 2103, Roswell, New Mexico

88201

May 1981

1 1

WELL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RNC					WELL STATUS	INJECTION		TOTAL LIQUIDS PRODUCED			GAS PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL				
						VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			SOLD	TRANS-PORTER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	TRANS-PORTER	OTHER
CAVE POOL UNIT							91-008511													
1	O	33	16	29	F			31	6	1		31								
3	A	4	17	29	P			31	10	2		25								
5	C	4	17	29	T			31	0	0		0								
7	A	5	17	29	P			124	10	6		3								
10	G	5	17	29	P			124	63	11		18								
12	E	4	17	29	P			31	13	2		19								
14	G	5	17	29	P			31	8	2		31								
16	E	3	17	29	P			124	55	10		31								
17	I	4	17	29	T			31	0	0		0								
19	K	4	17	29	P			31	11	7		19								
21	I	5	17	29	P			62	20	13		31								
23	K	4	17	29	P			155	44	14		16								
26	O	5	17	29	P			62	34	12		18								
28	H	4	17	29	P			62	33	13		31								
30	O	4	17	29	P			31	12	2		16								
32	A	9	17	29	T			31	0	0		0								
35	A	9	17	29	P			186	58	9		9								
41	E	8	17	29	T			31	0	0		0								
52	M	5	17	29	P			31	8	3		20								
									385	107							564	351	NCO	598

STATUS CODE

F.....FLOWING
P.....PUMPING
G.....GAS LIFT
S.....SHOT IN
I.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE

X.....USED OFF LEASE
D.....USED FOR DRILLING
G.....GAS LIFT
L.....LOST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
M.....MAINTENANCE

"OTHER" OIL DISPOSITION CODE

C.....CIRCULATING OIL
L.....LOST
S.....SEDIMENTATION (BSCH)
E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

JOE B. BELL

Secy-Treas

(NAME)

(POSITION)

0-115

ONE COPY TO TRANSPORTER(S)

Produced by J E M Resources Inc (Address) P.O. BOX 2103, Roswell, New Mexico (City) 86201 (State) June 1981 (Month)

WELL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RNG	WELL STATUS	INJECTION		TOTAL LIQUIDS PRODUCED			GAS PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL				
		VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			SOLD	TRANS FOR-TER	OTHER	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	TRANS FOR-TER	OTHER	OIL ON HAND AT END OF MONTH
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																
CAVE POOL UNIT				91-008511												
1 O 33 16 29	P			30	7	1		30								
3 A 4 17 29	P			30	9	1		25								
5 C 4 17 29	T			0	0	0		0								
7 A 5 17 29	P			120	21	5		10								
10 G 5 17 29	P			120	48	12		30								
12 E 4 17 29	P			30	9	1		18								
14 G 5 17 29	P			30	8	1		25								
16 E 3 17 29	P			120	51	11		30								
17 I 4 17 29	T			30	0	0		0								
19 K 4 17 29	P			30	9	3		17								
21 I 5 17 29	P			60	18	14		30								
23 K 4 17 29	P			150	45	14		22								
26 O 5 17 29	P			60	35	15		24								
28 M 4 17 29	P			60	31	12		30								
30 O 4 17 29	P			30	6	1		18								
32 A 9 17 29	T			30	0	0		0								
35 A 9 17 29	P			180	61	12		24								
41 E 8 17 29	T			30	0	0		0								
52 M 5 17 29	P			30	7	2		21								
					365	105						598	681	nco		282

NOT AVAILABLE COPY

STATUS CODE
F.....FLOWING
P.....PUMPING
G.....GAS LIFT
S.....SHUT IN
T.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
X.....USED OFF LEASE
D.....USED FOR DRILLING
G.....GAS LIFT
L.....LOST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

"OTHER" OIL DISPOSITION CODE
C.....CIRCULATING OIL
L.....LOST
S.....SEDIMENTATION (BSEW)
E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

JOE B. BELL

Secy-Treas

Joe B Bell

NAME (Underline)					INJECTION		TOTAL LIQUIDS PRODUCED			AS PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL					
LEASE NAME	UNIT	SEC	TWP	RNG	VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			SOLD	TRANSPORTER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANSPORTER	TRANSPORTER	OTHER	C O D E
CAVE POOL UNIT							91-008511													
O	33	16	29		P															
A	4	17	29		P		31	27	17		30									
C	4	17	29		T		31	22	12		30									
A	4	17	29		P		31	0	0		0									
G	5	17	29		P		124	31	16		26									
E	4	17	29		P		186	16	11		24									
G	4	17	29		P		31	18	13		3									
E	3	17	29		P		31	24	12		28									
T	4	17	29		T		217	14	16		17									
K	4	17	29		P		31	0	0		0									
I	5	17	29		P		31	18	16		30									
K	5	17	29		P		124	24	12		30									
O	5	17	29		P		62	28	9		22									
M	4	17	29		P		62	17	11		20									
O	4	17	29		P		124	17	13		30									
A	9	17	29		P		31	23	14		28									
A	8	17	29		T		31	0	0		0									
E	8	17	29		P		31	24	12		22									
M	6	17	29		T		31	0	0		0									
					P		31	27	16		21									
							1,271	330	200											

BEST AVAILABLE COPY

BEFORE
OIL
CARE NO.

Submitted by

Hearing Date

27

328

NCO

29

BEST AVAILABLE COPY

BEFORE
CHL
CAVE NO.
Submitted by
Hearing Date

27 328 NCO 29

STATUS CODE
F.....FLOWING
P.....PUMPING
G.....GAS LIFT
L.....LOST
T.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
X.....USED OFF LEASE
D.....USED FOR DRILLING
C.....GAS LIFT
L.....LOST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

"OTHER" OIL DISPOSITION CODE
C.....CIRCULATING OIL
L.....LOST
S.....SEDIMENTATION (BSEW)
E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE
JOE D. BELL
Secy-Treas.

J E M Resources, Inc.

P.O. BOX 2103, Roswell, New Mexico

88201

May 1980

1 of 1

NAME (Underline)		INJECTION		TOTAL LIQUIDS PRODUCED			GAS PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL					
*Lease Name	WELL TYPE	VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			SOLD	TRANS-PORTER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	TRANS-PORTER	OTHER	C O D E
NO UNIT SEC TWP RNC																	
NAME - Include State Land Lease Number or Federal Lease Number																	
CAVE POOL UNIT				91-008511													
O 33 16 29	P			31	21	14		31									
A 4 17 29	P			31	28	13		31									
C 4 17 29	T			31	0	0		0									
A 5 17 29	P			124	30	19		24									
G 5 17 29	P			186	19	11		20									
E 4 17 29	P			31	21	9		10									
G 5 17 29	P			31	24	11		18									
E 3 17 29	P			217	23	20		31									
I 4 17 29	T			31	0	0		0									
K 4 17 29	P			31	24	18		11									
I 5 17 29	P			124	25	13		31									
K 4 17 29	P			62	27	11		24									
O 5 17 29	P			62	19	12		22									
M 4 17 29	P			124	18	9		29									
O 4 17 29	P			31	25	13		26									
A 9 17 29	T			31	0	0		0									
A 9 17 29	P			31	28	12		28									
E 8 17 29	T			31	0	0		0									
M 5 17 29	P			31	29	17		31									
					KOEX												
					361	202						29	329	NCO			61

STATUS CODE

F.....FLOWING
P.....PUMPING
G.....GAS LIFT
S.....SHUT IN
I.....TEMP ABANDONED
L.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE

X.....USED OFF LEASE
D.....USED FOR DRILLING
G.....GAS LIFT
L.....LOST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
P.....PRESSURE MAINTENANCE
V.....VENT

"OTHER" OIL DISPOSITION CODE

C.....CIRCULATING OIL
L.....LOST
S.....SEDIMENTATION (BSEW)
E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS
TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

JOE B. BELL

Secy-Treas

(NAME)

(POSITION)

JFM Resources, Inc. BOX 1200 J. BELL, N.M. 88201 June 1980 1 of 1

L NAME (Underline) *Lease Name	WELL STATUS	INJECTION		TOTAL LIQUIDS PRODUCED			G.S PRODUCED (MCP)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL						
		VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			SOLD	TRANS- POR- TER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS- PORTER	TRANS POR- TER	OTHER	C O D E	OIL ON HAND A END OF MONTH
ALL NO UNIT SEC TWP RNS																		
*Include State Land Lease Number or Federal Lease Number																		
CAVE POOL UNIT			91-008511															
O 33 16 29	P			31	22	15		30										
A 4 17 29	P			31	24	12		30										
C 4 17 29	T			31	0	0		0										
A 4 17 29	P			124	28	18		22										
G 5 17 29	P			186	20	12		18										
E 4 17 29	P			31	24	10		20										
G 4 17 29	P			31	26	10		19										
E 3 17 29	P			217	24	18		30										
I 4 17 29	T			31	0	0		0										
K 4 17 29	P			31	22	17		14										
I 5 17 29	P			124	27	14		28										
K 5 17 29	P			62	25	10		30										
O 5 17 29	P			62	24	12		25										
M 4 17 29	P			124	17	10		19										
O 4 17 29	P			31	22	11		30										
A 9 17 29	T			31	0	0		0										
A 8 17 29	P			31	29	13		24										
E 8 17 29	T			31	0	0		0										
M 6 17 29	P			31	28	13		30										
				1,271	362	195							61	330	NCO			93

BEST AVAILABLE COPY

STATUS CODE
F.....FLOWING
P.....PUMPING
G.....GAS LIFT
S.....SHUT IN
T.....TEMP ABANDONED
I.....INJECTION
O.....DISCONTINUED

OTHER GAS DISPOSITION CODE
R.....USED OFF LEASE
D.....USED FOR DRILLING
C.....GAS LIFT
L.....LOST (MCP ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

OTHER OIL DISPOSITION CODE
C.....CIRCULATING OIL
L.....LOST
S.....SEDIMENTATION (BSCW)
E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

JOE B. BELL

Secy-Treas.

JEM Resources, Inc. (11111) P. O. Box 2111, Roswell, N.M. (111) 88201 April 1979 1 of 1

POOL NAME (Underline)					WELL STATUS	INJECTION		TOTAL LIQUIDS PRODUCED			GAS PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL							
*Lease Name						VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			SOLD	TRANS-PORTER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	TRANS-PORTER	OTHER	C O D E	OIL ON HAND AT END OF MONTH	
WELL NO UNIT SEC TWP RNG																							
LEASE NAME - Include State Land Lease Number or Federal Lease Number																							
CAVE POOL UNIT						91-008511																	
1	O	33	16	29	H			31	24	17		30											
3	A	4	17	29	H			31	18	16		30											
5	C	4	17	29	T			31	0	0		0											
7	A	4	17	29	H			124	17	18		26											
10	G	5	17	29	H			186	26	22		18											
12	E	4	17	29	H			31	14	13		24											
14	G	4	17	29	H			31	16	14		30											
16	E	3	17	29	T			217	11	17		30											
17	I	4	17	29	T			31	0	0		0											
19	K	4	17	29	P			31	18	19		18											
21	I	5	17	29	P			124	24	26		22											
23	K	5	17	29	H			62	16	16		30											
26	O	5	17	29	H			62	19	14		10											
28	M	4	17	29	H			124	30	21		21											
30	O	4	17	29	H			31	24	17		30											
32	A	9	17	29	T			31	0	0		0											
35	A	8	17	29	P			31	17	14		30											
41	E	3	17	29	T			31	0	0		0											
52	"	6	17	29	P			31	22	15		22											
								1271	296	264													

BEST AVAILABLE COPY

Hearing Date

68

164 NCO

200

STATUS CODE

F.....FLOWING
P.....PUMPING
G.....GAS LIFT
S.....SHUT IN
T.....TEMP ABANDONED
I.....INJECTION
O.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE

X.....USED OFF LEASE
D.....USED FOR DRILLING
G.....GAS LIFT
L.....LOST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

"OTHER" OIL DISPOSITION CODE

C.....CIRCULATING OIL
L.....LOST
S.....SEDIMENTATION (BSW)
E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

Joe B. Bell

Secy-Treas

5-24-79

JEM Resources, Inc.

P. O. Box 210, Roswell, N.M.

88201 May 1979

Page 1

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RNG	WELL STATUS	INJECTION		TOTAL LIQUIDS PRODUCED			GAS PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS				DISPOSITION OF OIL					
		VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			SOLD	TRANSPORTER	OTHER	CODE	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANSPORTER	TRANSPORTER	OTHER	CODE	OIL ON HAND AT END OF MONTH
LEASE NAME - Include State Land Lease Number or Federal Lease Number CAVE POOL UNIT				91-008511														
1 O 33 16 29	P				31	26	19		31									
3 A 4 17 29	P				31	17	14		31									
5 C 4 17 29	P				31	0	0		0									
7 A 4 17 29	P				124	22	19		24									
10 G 5 17 29	P				186	14	20		15									
12 E 4 17 29	P				31	16	18		20									
14 G 4 17 29	P				31	18	16		26									
16 E 3 17 29	P				217	24	18		31									
17 I 4 17 29	P				31	0	0		0									
19 K 4 17 29	P				31	27	21		31									
21 I 3 17 29	P				124	26	24		20									
23 K 5 17 29	P				62	13	16		21									
26 O 5 17 29	P				62	28	20		31									
28 M 4 17 29	P				124	20	21		31									
30 O 4 17 29	P				31	13	15		15									
32 A 9 17 29	P				31	0	0		0									
35 A 8 17 29	P				31	26	21		31									
41 E 8 17 29	P				31	0	0		0									
52 M 6 17 29	P				31	24	18		16									
					1,271	314	280							200	333	NCO		181

BEST AVAILABLE COPY

STATUS CODE

 F.....FLOWING
 P.....PUMPING
 G.....GAS LIFT
 S.....SHUT IN
 T.....TEMP ABANDONED
 I.....INJECTION
 D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE

 X.....USED OFF LEASE
 O.....USED FOR DRILLING } DETAIL ON FORM O-111
 L.....GAS LIFT
 G.....GAS LIFT
 L.....LOST (MCF ESTIMATED)
 E.....EXPLANATION ATTACHED
 R.....REPRESSURING OR
 P.....PRESSURE MAINTENANCE
 V.....VENTED
 U.....USED ON LEASE

"OTHER" OIL DISPOSITION CODE

 C.....CIRCULATING OIL
 L.....LOST
 S.....SEDIMENTATION (BS&W)
 E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

JOE B BELL

SECY TREAS.

6-24-79

JEM RESOURCES, INC., P. O. Box 210, Roswell, N.M., 88201 JUNE 1979 Page 1 of 1

WELL NAME (Underline)					WELL STATUS	INJECTION		TOTAL LIQUIDS PRODUCED			GAS PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL					
*Lease Name						VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			SOLD	TRANS-PORTER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	TRANS-PORTER	OTHER	C O D E
WELL NO UNIT SEC TWP RNG																					
LEASE NAME - Include St. Land Lease Number or Federal Lease Number																					
CAVE POOL UNIT						91-028511															
1	O	33	16	29	P			31	22	14		30									
3	A	4	17	29	P			31	20	15		30									
5	C	4	17	29	T			31	0	0		0									
7	A	4	17	29	P			124	17	16		21									
10	G	5	17	29	P			186	20	22		30									
12	E	4	17	29	P			31	12	16		14									
14	G	4	17	29	P			31	21	19		30									
16	E	3	17	29	P			217	24	18		30									
17	I	4	17	29	T			31	0	0		0									
19	K	4	17	29	P			31	18	21		17									
21	I	5	17	29	P			124	16	20		14									
23	K	5	17	29	P			62	22	15		30									
26	O	5	17	29	P			62	25	23		16									
28	M	4	17	29	P			124	26	26		30									
30	O	4	17	29	P			31	14	15		21									
32	A	9	17	29	T			31	0	0		0									
35	A	8	17	29	P			31	27	22		30									
41	E	8	17	29	T			31	0	0		0									
52	M	6	17	29	P			31	26	10		18									
								1271	310	272							181	333	NCO		158

STATUS CODE
 F.....FLOWING
 P.....PUMPING
 G.....GAS LIFT
 S.....SHOT IN
 T.....TEMP. ABANDONED
 I.....INJECTION
 D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
 X.....USED OFF LEASE
 O.....USED FOR DRILLING
 G.....GAS LIFT
 L.....LOST (MCF ESTIMATED)
 E.....EXPLANATION ATTACHED
 R.....REPRESSURING OR
 PRESSURE MAINTENANCE
 V.....VENTED
 U.....USED ON LEASE

"OTHER" OIL DISPOSITION CODE
 C.....CIRCULATING OIL
 L.....LOST
 S.....SEDIMENTATION (OSGW)
 E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE
JOE B BELL
 SECY TREAS.
 7-23-79

P. O. Box 2103
Roswell, New MexicoORIGINAL TO OCC SANTA FE
ONE COPY TO CCC DIST. OFFICE
ONE COPY TO TRANSPORTER(S)

JEN Resources, Inc.

88201

April 1978...

1

WELL NAME (Underline)					INJECTION		TOTAL LIQUIDS PRODUCED			LAI PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL						
*Lease Name					VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			SOLD	TRANS- POR- TER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS- PORTER	TRANS- POR- TER	OTHER	C O D E	OIL ON HAND AT END OF MONTH
WELL NO UNIT SEC TWP RNG																					
WELL NAME (Underline)																					
CAVE POOL UNIT					91-02851																
1	O	33	16	29	P		31	18	41		30										
3	A	4	17	29	P		31	18	43		27										
5	C	4	17	29	T		31	0	0		0										
7	A	4	17	29	P		124	21	38		21										
0	G	5	17	29	P		186	30	55		30										
12	E	4	17	29	P		31	16	31		30										
14	G	4	17	29	P		31	24	43		20										
16	E	3	17	29	P		217	22	40		22										
17	I	4	17	29	T		31	0	0		0										
19	K	4	17	29	P		31	28	47		20										
21	I	5	17	29	P		124	17	35		30										
23	K	5	17	29	P		62	21	41		21										
26	O	5	17	29	P		62	18	37		22										
28	M	4	17	29	P		124	18	43		30										
30	O	4	17	29	P		31	22	42		30										
32	A	9	17	29	T		31	0	0		0										
35	A	8	17	29	P		31	22	44		28										
41	E	8	17	29	T		31	0	0		0										
52	M	6	17	29	P		31	19	43		30										
							1271	314	623								254	328	NCO		240

BEST AVAILABLE COPY.

BEST AVAILABLE COPY.

Hearing Date

STATUS CODE

F.....FLOWING
P.....PUMPING
G.....GAS LIFT
S.....SHUT IN
T.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE

X.....USED OFF LEASE
D.....USED FOR DRILLING
G.....GAS LIFT
L.....LOST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

"OTHER" OIL DISPOSITION CODE

C.....CIRCULATING OIL
L.....LOST
S.....SEDIMENTATION (OSGW)
E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS
TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

Joe B Bell

Secretary-Treasurer

JEM Resources, Inc.

P. O. Box 2103
Roswell, New Mexico

ONE COPY TO TRANSPORTER(S)

88201

May 1978

Page 1 of 1

L NAME (Underline)					WELL STATUS	INJECTION		TOTAL LIQUIDS PRODUCED			CA PRODUCED (IN F)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL					
*Lease Name						VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			SOLD	TRANS- POR- TER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS- PORTER	TRANS- POR- TER	OTHER	C O D E
ALL NO UNIT SEC TWP RANG																					
SE NAME - Include State Land Lease Number or Federal Lease Number																					
CAVE POOL UNIT							91-028511														
1	O	33	16	29	P			31	20	42		31									
3	A	4	17	29	P			31	20	40		31									
5	C	4	17	29	P			31	0	0		0									
7	A	4	17	29	P			124	18	36		24									
3		5	17	29	P			186	26	52		31									
2	E	4	17	29	P			31	18	36		31									
4	G	4	17	29	P			31	22	40		31									
6	E	3	17	29	P			217	21	41		26									
7	I	4	17	29	P			31	0	0		0									
9	K	4	17	29	P			31	27	44		18									
1	I	5	17	29	P			124	18	31		31									
3	K	5	17	29	P			62	19	37		20									
6	O	5	17	29	P			62	18	41		25									
8	M	4	17	29	P			124	20	39		31									
0	O	4	17	29	P			31	18	44		31									
2	A	9	17	29	P			31	0	0		0									
5	A	8	17	29	P			31	17	33		31									
1	E	8	17	29	P			31	0	0		0									
2	M	6	17	29	P			31	21	46		26									
								1271	303	602					240	348	NCO			195	

BEST AVAILABLE COPY

STATUS CODE

F.....FLOWING
P.....PUMPING
G.....GAS LIFT
S.....SHUT IN
1.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE

X.....USED OFF LEASE
D.....USED FOR DRILLING } DETAIL ON FORM C-111
G.....GAS LIFT
L.....LOST (HCP ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

"OTHER" OIL DISPOSITION CODE

C.....CIRCULATING OIL
L.....LOST
S.....SEDIMENTATION (BSEW)
E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS
TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

Joe B Bell

Secy-Treas.

6-19-78

(SIGNATURE)

(DATE)

JEM Resources, Inc.

Roswell, New Mexico

88201

June 1978

WELL NAME (Underline)					WELL STATUS	INJECTION		TOTAL LIQUIDS PRODUCED			GAS PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL					
*Lease Name						VOLUME	PRESS.	MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			SOLO	TRANS-PORTER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	TRANS-PORTER	OTHER	C O D E
WELL NO UNIT SEC TWP RNC																					
WELL NAME - Includes State Land Lease Number or Federal Lease Number																					
CAVE POOL UNIT								91-028511													
1	O	33	16	29	P			31	18	37		30									
3	A	4	17	29	P			31	18	36		30									
5	C	4	17	29	T			31	0	0		0									
7	A	4	17	29	P			124	14	30		18									
0	G	5	17	29	P			186	27	46		30									
2	E	4	17	29	P			31	19	29		30									
4	G	4	17	29	P			31	16	36		30									
6	E	3	17	29	P			217	21	40		30									
7	I	4	17	29	T			31	0	0		0									
9	K	4	17	29	P			31	16	33		10									
21	I	5	17	29	P			124	17	28		24									
23	K	5	17	29	P			62	16	31		30									
26	O	5	17	29	P			62	12	34		21									
28	M	4	17	29	P			124	22	36		26									
30	O	4	17	29	P			31	18	41		30									
32	A	9	17	29	T			31	0	0		0									
35	A	8	17	29	P			31	14	26		30									
41	E	8	17	29	T			31	0	0		0									
52	M	6	17	29	P			31	15	30		24									
								1271	263	513							195	165	NCO		293

BEST AVAILABLE COPY

STATUS CODE

F.....FLOWING
P.....PUMPING
G.....GAS LIFT
S.....SHUT IN
T.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE

X.....USED OFF LEASE
D.....USED FOR DRILLING
G.....GAS LIFT
L.....LOST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
P.....PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

"OTHER" OIL DISPOSITION CODE

C.....CIRCULATING OIL
L.....LOST
S.....SEDIMENTATION (BSGW)
E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS
TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE

JOE B BELL

Secy-Treas.

(NAME)

(POSITION)

7-24-78

(SIGNATURE)

(DATE)

NEW MEXICO OIL CONSERVATION COMMISSION

BOX 2088 SANTA FE, NEW MEXICO

OPERATOR'S MONTHLY REPORT

P. O. Box 648

Artesia, New Mexico 88210

FOR MONTH April 1977

Page 1 of 2

STATEWIDE FORM C-115 (REV. 12-1-72)

SUBMIT ORIGINAL TO OCC SANTA FE
ONE COPY TO OCC DIST. OFFICE
ONE COPY TO TRANSPORTER

(Company or Operator)

JEM Resources, Inc.

(Address)

Artesia, New Mexico 88210

FOR MONTH

April 1977

Page 1 of 2

POOL NAME (including LEASE NAME)					WELL STATUS	TOTAL LIQUIDS PRODUCED			GAS PRODUCED MCF	DAYS PROD.	DISPOSITION OF GAS					DISPOSITION OF OIL					
WELL NO.	UNIT	SEC.	TWP.	RNG.		MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			VENTED	USED ON LEASE	SOLD	PURCH.	OTHER	C O D E	OIL ON HAND BEG. OF MONTH	BARRELS TO TRANSPORTER	OTHER	C O D E	TRANS-PORTER
*PLEASE NAME - Include State Land Lease Number or Federal Lease Number																					
CAVE POOL UNIT						91-028511															
1	O	33	16	29	P	31	28	48	31												
3	A	4	17	29	P	31	0	0	0												
5	C	4	17	29	P	31	20	39	20												
6	D	4	17	29	I	31															
7	A	4	17	29	P	124	41	71	17												
8	B	5	17	29	I	31															
10	G	5	17	29	P	186	23	48	15												
12	E	4	17	29	P	31	29	61	12												
14	G	4	17	29	P	31	24	46	31												
16	E	3	17	29	P	217	32	82	31												
17	I	4	17	29	P	31	30	58	31												
19	K	4	17	29	P	31	28	41	31												
21	I	5	17	29	P	124	37	66	22												
23	K	5	17	29	P	62	25	46	20												
26	O	5	17	29	P	62	18	40	31												
28	M	4	17	29	P	124	26	39	18												
30	O	4	17	29	P	31	25	41	10												
32	A	9	17	29	P	31	37	63	31												
35	A	8	17	29	P	31	22	44	31												
52	M	6	17	29	S	31	11	26	20												
						1302	456	859							509	483			NCO	482	

BEST AVAILABLE COPY

RECORDED & INDEXED
OIL CO. OF CALIF.
MAR 1 1954
Hearing Date _____

BEST AVAILABLE COPY

RECEIVED
OIL CO.

Heating Date

STATUS CODE

F FLOWING
P PUMPING
G GAS LIFT
S SHUT IN
A ABANDONED
O OIL

OTHER GAS DISPOSITION CODE

X USED OFF LEASE
D USED FOR DRILLING
G GAS LIFT
L LOST (INCE ESTIMATED)
E EXPLANATION ATTACHED
R REPAIRS OR MAINTENANCE

(DESTINATION MUST BE SHOWN ON FORM C-111)

OIL DISPOSITION CODE

C CIRCULATING OIL
L LOST
S SEDIMENTATION (BS&M)
E EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

(SIGNATURE)

(DATE)

NEW MEXICO OIL CONSERVATION COMMISSION

BOX 2088 SANTA FE, NEW MEXICO

OPERATOR'S MONTHLY REPORT

STATEWIDE FORM C-115 (REV. 12-1-72)

SUBMIT: ORIGINAL TO OCC SANTA FE
ONE COPY TO OCC DIST. OFFICE
ONE COPY TO TRANSPORTER

P. O. Box 648

Artesia, New Mexico 88210

FOR MONTH May 1977

Page 1 of 2

JEM Resources, Inc.

(Address)

POOL NAME (Underline) PLEASE NAME				WELL STATUS	TOTAL LIQUIDS PRODUCED			GAS PRODUCED MCF	DAYS PROD.	DISPOSITION OF GAS					DISPOSITION OF OIL					
WELL NO.	UNIT	SEC.	TWP. RING		MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			VENTED	USED ON LEASE	SOLO	PURCH.	OTHER	C O D E	OIL ON HAND BEG. OF MONTH	BARRELS TO TRANSPORTER	OTHER	C O D E	TRANS-PORTER
LEASE NAME - Include State Land Lease Number or Federal Lease Number																				
CAVE POOL UNIT					91-028511															
O	33	16	29	P	31	13	22	29												
A	4	17	29	P	31	0	0	0												
C	4	17	29	P	31	12	18	16												
D	4	17	29	I	31	0	0	0												
A	4	17	29	P	124	19	39	29												
B	5	17	29	P	31	0	0	0												
G	5	17	29	P	186	7	22	13												
E	4	17	29	P	31	6	30	9												
G	4	17	29	P	31	14	21	29												
E	3	17	29	P	217	22	40	29												
I	4	17	29	P	31	13	29	29												
K	4	17	29	P	31	11	20	29												
I	5	17	29	P	124	15	31	18												
K	5	17	29	P	62	11	23	17												
O	5	17	29	P	62	8	19	29												
M	4	17	29	P	124	12	21	8												
O	4	17	29	P	31	13	19	5												
A	9	17	29	P	31	18	31	29												
A	8	17	29	P	31	10	22	29												
M	6	17	29	S	31	6	15	15												
					1302	210	422							482	311			NCO	381	

BEST AVAILABLE COPY

STATUS CODE

..... FLOWING
..... PUMPING
..... GAS LIFT
..... SHUT IN
..... TEMP. ABANDONED
..... INJECTION

"OTHER" GAS DISPOSITION CODE

X USED OFF LEASE
D USED FOR DRILLING (DESTINATION MUST BE SHOWN ON FORM C-115)
G GAS LIFT
L LOST (MCF ESTIMATED)
E EXPLANATION ATTACHED
R REPRESSURING OR PRESSURE MAINTENANCE

"OTHER" OIL DISPOSITION CODE

C CIRCULATING OIL
L LOST
S SEDIMENTATION (BS&W)
E EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

(SIGNATURE)

(DATE)

(POSITION)

NEW MEXICO OIL CONSERVATION COMMISSION

BOX 2088 SANTA FE, NEW MEXICO

OPERATOR'S MONTHLY REPORT

STATEWIDE FORM C 115 (REV. 12-1-72)

SUBMIT ORIGINAL TO OCC SANTA FE
ONE COPY TO OCC DIST. OFFICE
ONE COPY TO TRANSPORTER(Company or
Operator)

JEM resources, Inc.

(Address)

P. O. Box 648

Artesia, New Mexico 88210

FOR MONTH JUNE 1977 Page 1 of 1

POOL NAME (Underline) *LEASE NAME					WELL STATUS	TOTAL LIQUIDS PRODUCED			GAS PRODUCED MCF	DAYS PROD.	DISPOSITION OF GAS					DISPOSITION OF OIL				
WELL NO.	UNIT	SEC	TWP.	RND.		MONTHLY OIL ALLOWABLE	ACTUAL BARRELS PRODUCED	BARRELS OF WATER PRODUCED			VENTED	USED ON LEASE	SOLE	PURCH.	OTHER	C O D E	OIL ON HAND BEG OF MONTH	BARRELS TO TRANS- PORTER	OTHER	C O D E
*PLEASE NAME - Include State Land Lease Number or Federal Lease Number																				
CAVE POOL UNIT						91-028511														
1	O	33	16	29	P	31	14	28		30										
3	A	4	17	29	P	31	0	0		0										
5	C	4	17	29	P	31	13	22		21										
6	D	4	17	29	S	31	0	0		0										
7	A	4	17	29	P	124	21	36		30										
8	B	5	17	29	S	31	0	0		0										
0	G	5	17	29	P	186	5	11		22										
2	E	4	17	29	P	31	8	26		7										
4	G	4	17	29	P	31	13	26		30										
6	E	3	17	29	P	217	12	31		30										
7	I	4	17	29	P	31	15	32		30										
9	K	4	17	29	P	31	10	22		30										
1	I	5	17	29	P	124	13	27		14										
3	K	5	17	29	P	62	10	20		30										
6	O	5	17	29	P	62	10	18		30										
8	M	4	17	29	P	124	14	30		11										
0	O	4	17	29	P	31	16	26		2										
2	A	9	17	29	P	31	16	31		30										
5	A	8	17	29	P	31	12	23		30										
2	M	6	17	29	S	31	11	22		18										
						1302	213	431							381	486			NO	108

STATUS CODE

F FLOWING
P PUMPING
G GAS LIFT
S SHUT IN
A ABANDONED
M MAINTENANCE

"OTHER" GAS DISPOSITION CODE

X USED OFF LEASE
D USED FOR DRILLING
G GAS LIFT
L LOST (MCF ESTIMATED)
E EXPLANATION ATTACHED
R REPRESSURING OR PRESSURE MAINTENANCE

(DESTINATION MUST BE SHOWN ON FORM C-111)

"OTHER" OIL DISPOSITION CODE

C CIRCULATING OIL
L LOST
S SEDIMENTATION (BS&W)
E EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

(SIGNATURE)

(DATE)

CAVE POOL UNIT PRODUCTION REPORT

BEST AVAILABLE COPY

MAY 1970

WELL NO.	LOCATION				STATUS	ALLOWABLE	PRODUCTION		DAYS PRODUCED
	U	S	T	R			OIL	WATER	
1	O	33	16	29	P	31	15	42	30
3	A	4	17	29	P	--	10	57	31
5	C	4	17	29	P	31	16	25	31
7	A	4	17	29	P	124	30	87	31
10	G	5	17	29	P	186	31	64	0
12	E	4	17	29	P	31	21	88	31
14	G	4	17	29	P	31	16	140	31
16	E	3	17	29	P	217	46	154	15
17	I	4	17	29	P	31	24	22	31
19	K	4	17	29	P	31	22	79	31
21	I	5	17	29	P	124	31	108	31
23	K	5	17	29	P	62	26	68	10
26	O	5	17	29	P	62	26	75	20
28	M	4	17	29	P	124	32	89	14
30	O	4	17	29	P	31	18	98	31
32	A	9	17	29	P	31	22	122	31
35	A	8	17	29	P	31	20	71	31
37	C	8	17	29	P	31	16	65	31
39	A	7	17	29	S	--			
41	E	8	17	29	S	--			
43	G	8	17	29	P	62	24	98	31
48	K	8	17	29	S	--			
52	M	6	17	29	S	31	27	83	20
						1302	473	1635	

JEM RESOURCES, INC.
P. O. BOX 648
ARTESIA, NEW MEXICO 88210

REPORT BY _____
 CH. CONF. BY _____
 EXHIBIT NO. _____
 CASE NO. _____
 Submitted by _____
 Hearing Date _____

CAVE POOL UNIT
PRODUCTION REPORT
JUNE 1976

BEST AVAILABLE COPY

WELL NO.	LOCATION U S T R	STATUS	ALLOWABLE	PRODUCTION OIL	WATER	DAYS PRODUCED
1	O 33 16 29	F	31	6	25	30
3	A 4 17 29	P	--	12	20	30
5	C 4 17 29	F	31	6	12	30
7	A 5 17 29	P	124	31	67	30
10	G 5 17 29	P	186	14	41	27
12	E 4 17 29	P	31	18	62	30
14	G 4 17 29	P	31	12	28	26
16	E 3 17 29	P	217	36	67	21
17	I 4 17 29	P	31	20	32	30
19	K 4 17 29	P	31	18	54	18
21	I 5 17 29	P	124	20	68	25
23	K 5 17 29	P	62	26	54	22
26	O 5 17 29	P	62	24	47	30
28	M 4 17 29	P	124	25	55	30
30	O 4 17 29	P	31	30	79	26
32	A 9 17 29	P	31	16	36	30
35	A 3 17 29	P	31	20	31	30
37	C 8 17 29	P	31	17	30	30
39	A 7 17 29	S	--			
41	E 8 17 29	S	--			
43	G 8 17 29	P&A	--			
48	K 8 17 29	S	--			
52	M 5 17 29	P	31	11	55	21
			1240	362	863	

JEM RESOURCES, INC.
P. O. BOX 648
ARTESIA, NEW MEXICO 88210

CAVE POOL UNIT
PRODUCTION REPORT
JULY 1976

BEST AVAILABLE COPY

WELL NO.	LOCATION U S T R	STATUS	ALLOWABLE	PRODUCTION OIL	WATER	DAYS PRODUCED
1	O 33 16 29	P	31	13	18	31
3	A 4 17 29	P	--	8	18	22
5	C 4 17 29	P	31	10	21	27
7	A 5 17 29	P	124	29	54	31
10	G 5 17 29	P	186	22	41	20
12	E 4 17 29	P	31	14	47	31
14	G 4 17 29	P	31	16	20	31
16	E 3 17 29	P	217	28	61	11
17	I 4 17 29	P	31	20	26	31
19	K 4 17 29	P	31	19	43	25
21	I 5 17 29	P	124	18	61	20
23	K 5 17 29	P	62	21	40	26
26	O 5 17 29	P	62	17	38	22
28	M 4 17 29	P	124	20	44	31
30	O 4 17 29	P	31	22	55	26
32	A 9 17 29	P	31	10	28	31
35	A 8 17 29	P	31	12	22	22
37	C 8 17 29	P	31	23	26	31
39	A 7 17 29	S	--			
41	E 8 17 29	S	--			
43	G 8 17 29	P&A	--			
48	K 8 17 29	S	--			
52	M 5 17 29	P	31	17	32	18
			1240	339	695	

JEM RESOURCES, INC.
P. O. BOX 648
ARTESIA, NEW MEXICO 88210



PHILLIPS PETROLEUM COMPANY

4001 Penbrook
Odessa, Texas 79762

BEST AVAILABLE COPY

May 8, 1980

J. E. M. Resources, Inc.
P. O. Box 648
Artesia, New Mexico 88210

Attention: Mr. Dalton Bell

Re: Field Tests

Dear Sir:

Listed below are the results of the Gas-Oil-Ratio tests that we ran on your leases in the Cave Field in Eddy County, New Mexico.

<u>Leases</u>	<u>Wells</u>	<u>24-Hr. Oil Prod.</u>	<u>Daily Gas Vol. MCF</u>	<u>GMP</u>	<u>GOR</u>
Levers	#6	dry	672	.258	-
State	#1	dry	107	.318	-

Attached are copies of the chromo analyses.

Thank you for your assistance in making it possible for us to test your leases.

Very truly yours,

Roger H. Sofge
Roger H. Sofge

mll
Enclosures

BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION EXHIBIT NO. <u>5</u> CASE NO. <u>7379</u> Submitted by _____ Hearing Date _____
--



PHILLIPS PETROLEUM COMPANY

4001 FENDRICK
Odessa, Texas 79762

April 6, 1979

Field Tests

JEM Resources
P. O. Box 648
Artesia, New Mexico 88210

Attention: Mr. Dalton Bell

Dear Sir:

Listed below are results of the gas test that we ran on your lease in the Cave Field in Eddy County, New Mexico.

<u>Lease</u>	<u>Wells</u>	<u>24-Hr. Oil Prod.</u>	<u>Daily Gas Vol. Mcf</u>	<u>GPM</u>	<u>GOR</u>
Levers	#5	Dry	630	0.242(C)	-

Attached is a copy of the chromo analysis.

Thank you for your assistance in making it possible for us to test your lease.

Very truly yours,

Roger H. Sofge
cas

Roger H. Sofge

RHS:cas
Attachment

BEFORE EXAMINER STAMPS OIL CONSERVATION DIVISION EXHIBIT NO. 6 CASE NO. 7379 Submitted by Hearing Date

Dockets Nos. 38-81 and 39-81 are tentatively set for December 2, and December 15, 1981. Application for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - THURSDAY - NOVEMBER 19, 1981

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

BEST AVAILABLE COPY

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, 1981, from fifteen prorated pools in Lea, Eddy and Chaves Counties, New Mexico.

(2) Consideration of the allowable production of gas for December, 1981, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

CASE 7410: Application of B.O.A. Oil & Gas Company for two unorthodox oil well locations, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be drilled 2035 feet from the South line and 2455 feet from the East line and one to be drilled 2455 feet from the North line and 1944 feet from the East line, both in Section 31, Township 31 North, Range 15 West, Verde-Gallup Oil Pool, the NW/4 SE/4 and SW/4 NE/4, respectively, of said Section 31 to be dedicated to said wells.

CASE 7356: (Continued from October 21, 1981, Examiner Hearing)

Application of S & I Oil Company for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the W/2 SW/4 of Section 12, Township 29 North, Range 15 West, Cha Cha-Gallup Oil Pool, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 7411: Application of Viking Petroleum, Inc., for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be drilled 330 feet from the North and East lines of Section 12, Township 11 South, Range 27 East, the NE/4 of said Section 12 to be dedicated to the well. (This case will be dismissed).

CASE 7412: Application of Gulf Oil Corporation for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Lower Yates, Queen, San Andres and Delaware formations in the open hole interval from 4375 feet to 7452 feet in its Lea "ZD" State Well No. 1 located in Unit M of Section 30, Township 13 South, Range 35 East, Air-Strip Field.

CASE 7413: Application of Gulf Oil Corporation for Directional Drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to directionally drill its Arnott Ramsey Well No. 12, the surface location of which is 500 feet from the South line and 1400 feet from the East line of Section 32, Township 25 South, Range 37 East, to a bottomhole location within 150 feet of a point 500 feet from the South line and 800 feet from the East line of Section 32, Township 25 South, Range 37 East, Langlie Mattix Pool, the SE/4 SE/4 of said Section 32 to be dedicated to the well.

CASE 7414: Application of Gulf Oil Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of the Drinkard and Wantz-Granite Wash production in the wellbore of its Hugh Well No. 10, located in Unit C of Section 14, Township 22 South, Range 37 East.

BEST AVAILABLE COPY

CASE 7415: Application of Gulf Oil Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of the Tubb and Drinkard production in the wellbore of its T. R. Andrews Well No. 3, located in Unit J of Section 32, Township 22 South, Range 38 East.

CASE 7370: (Continued from October 21, 1981, Examiner Hearing)

Application of JEM Resources, Inc., for vertical pool extension and special GOR limit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the vertical extension of the Cave-Grayburg Pool to include the San Andres Formation, and the establishment of a special gas-oil ratio limit for said pool to 6000 to one or, in the alternative, the abolishment of the gas-oil ratio limit in said pool, all to be effective October 1, 1981.

CASE 7407: (Continued from November 4, 1981, Examiner Hearing)

Application of Mesa Petroleum Company for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Abo formation underlying the NE/4 of Section 23, Township 5 South, Range 24 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 7416: Application of El Paso Natural Gas Company for pool creation and redelineation, Lea County, New Mexico. Applicant, in the above-styled cause, seeks to contract the horizontal limits of the Jalmat Gas Pool by deleting therefrom all lands in Township 26 South, Range 37 East. Applicant also proposes to contract the horizontal limits of the Rhodes Yates - Seven Rivers Oil Pool by deleting therefrom all of the gas productive lands in the North end thereof and to create the Rhodes Yates-Seven Rivers Gas Pool comprising all such deleted lands. Applicant further proposes the deletion of certain oil productive lands from said Rhodes oil pool and the extension of the Scarborough Pool to include said lands. Applicant further proposes to contract the horizontal boundaries of the Rhodes Gas Storage Unit to delete certain lands and wells not participating in the Rhodes Gas Storage Project and to withdraw without restriction all gas remaining in the newly created Rhodes Gas Pool.

CASE 7417: (This case will be dismissed.)

Application of Northwest Pipeline Corporation for 13 non-standard gas proration units, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for 13 non-standard Pictured Cliffs gas proration units ranging in size from 142.39 acres to 176.77 acres and each comprised of various contiguous lots or tracts in Sections 4, 5, 6, 7, and 18 of Township 31 North, Range 7 West. Said proration units result from corrections in the survey lines on the North and West sides of Township 31 North, Range 7 West and overlap seven non-standard Mesaverde proration units previously approved by Order No. R-1066.

CASE 7418: Application of Morris R. Antweil for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the West Nadine-Drinkard Pool including a special gas-oil ratio of 6,000 to one.

CASE 7419: Application of Morris R. Antweil for special pool rules, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the promulgation of special pool rules for the West Nadine-Blinebry pool including a special gas-oil ratio of 4,000 to one.

CASE 7420: Application of Southland Royalty Company for two unorthodox oil well locations, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of two previously drilled wells, the first being 760 feet from the South line and 660 feet from the East line of Section 5 the other being 660 feet from the North and West lines of Section 9, both in Township 19 South, Range 35 East, both to be plugged back to the Scharb-Bone Springs Pool, the S/2 SE/4 of Section 5 and the N/2 NW/4 of Section 9, respectively, to be dedicated to the wells.

CASE 7421: Application of Doyle Hartman for compulsory pooling, unorthodox well location and non-standard spacing unit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Eumont Gas Pool underlying a 120-acre non-standard spacing unit consisting of the S/2 SW/4 and the NW/4 SW/4 of Section 3, Township 20 South, Range 37 East, to be dedicated to a well to be drilled at an unorthodox location 2,310 feet from the South line and 330 feet from the West line of Section 3. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well and a charge for risk involved in drilling said well.

- CASE 7422:** Application of Conoco, Inc. for dual completion and an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Southeast Monument Unit Well No. 121, to produce oil from the Skaggs Grayburg and an undesignated Paddock pool through parallel strings of tubing. Applicant further seeks approval of the unorthodox location of said well 1310 feet from the North line and 1330 feet from the West line of Section 19, Township 20 South, Range 38 East, the NE/4 NW/4 of said Section 19 to be dedicated to this well.
- CASE 7423:** Application of Conoco, Inc., for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority for three companies to institute a cooperative waterflood project in the Blinbry oil and gas pool by the injection of water into the Blinbry formation through 13 injection wells located on leases operated by Conoco, Shell Oil Company, and Southland Royalty Company, in Sections 33 and 34, Township 20 South, Range 38 East, and Sections 2 and 3, Township 21 South, Range 37 East.
- CASE 7424:** Application of Rice Engineering and Operating, Inc., for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Lower San Andres formation in the perforated interval from 4300 feet to 4852 feet in its Eunice-Monument Eumont SWD "G" Well No. 8, located in Unit G of Section 8, Township 20 South, Range 37 East.
- CASE 7425:** Application of H. L. Brown, Jr. for compulsory pooling and an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the top of the San Andres formation to the base of the Pennsylvanian formation underlying the S/2 of Section 36, Township 16 South, Range 37 East, to be dedicated to a well to be drilled at an unorthodox location 554 feet from the South and West lines of said Section 26, provided that in the event the subject well encounters production in the Casey-Strawn Pool and/or the West Knowles-Drinkard Pool, the lands pooled would be the W/2 SW/4 of said Section 26. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 7426:** Application of Phillips Petroleum Company for Amendment of Division Order No. R-5897 and certification of a tertiary recovery project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the Amendment of Division Order No. R-5897, to include the injection of carbon dioxide in the previously authorized pressure maintenance project in the East Vacuum Grayburg-San Andres Unit, for conversion of existing injectors to water/carbon dioxide injection, and for certification to the Secretary of the IRS that the East Vacuum Grayburg-San Andres Unit Project is a qualified tertiary oil recovery project.
- CASE 7427:** Application of Belco Petroleum Corporation for a special allowable, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an adjustment to the manner in which allowables are calculated for wells in the South Carlsbad-Morrow Gas Pool in order to grant relief to the over-produced status of its Douglas Com. Well No. 1 located in Unit H of Section 7, Township 22 South, Range 27 East, said well being subject to shut-in being more than six times its allowable over-produced. In the alternative, applicant seeks to make up the over-production at a rate less than complete shut-in by curtailing production from the well to 80 percent of its top allowable until it is back in balance.
- CASE 7428:** In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating; and extending certain pools in Chaves, Eddy, Lea, and Roosevelt Counties, New Mexico.

(a) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Wolfcamp production and designated as the North Antelope Ridge-Wolfcamp Gas Pool. The discovery well is J. C. Williamson Triple A Federal Well No. 1 located in Unit F of Section 10, Township 23 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 34 EAST, NMPM
Section 10: N/2 and N/2 SW/4

(b) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Wolfcamp production and designated as the Diamondtail-Wolfcamp Pool. The discovery well is the Superior Oil Company Triste Draw Federal Well No. 1 located in Unit J of Section 14, Township 23 South, Range 32 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 32 EAST, NMPM
Section 14: SE/4

(c) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Bone Spring production and designated as the North Grama Ridge-Bone Spring Pool. The discovery well is the Hunt Oil Company State 4 Well No. 1 located in Unit T of Section 4, Township 21 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 21 SOUTH, RANGE 34 EAST, NMPM
Section 4: SW/4

(d) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Wolfcamp production and designated as the Grassland-Wolfcamp Pool. The discovery well is C. F. Qualia State 23 Well No. 1 located in Unit K of Section 23, Township 15 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 15 SOUTH, RANGE 34 EAST, NMPM
Section 23: SW/4

(e) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Bone Spring production and designated as the North Lusk-Bone Spring Pool. The discovery well is Petroleum Development Corporation Shelly Federal Com. Well No. 1 located in Unit H of Section 5, Township 19 South, Range 32 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 32 EAST, NMPM
Section 5: NE/4

(f) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Atoka production and designated as the McMillan-Atoka Gas Pool. The discovery well is Southland Royalty Company Pecos River 21 Federal Com Well No. 1 located in Unit K of Section 21, Township 19 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 27 EAST, NMPM
Section 21: S/2

(g) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Morrow production and designated as the Springs-Morrow Gas Pool. The discovery well is Jake L. Hamon State 33 Com Well No. 1 located in Unit I of Section 33, Township 20 South, Range 26 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 26 EAST, NMPM
Section 32: E/2
Section 33: All

(h) EXTEND the Antelope Ridge-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 34 EAST, NMPM
Section 11: All
Section 15: N/2

(i) EXTEND the Baldrige Canyon-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 24 SOUTH, RANGE 24 EAST, NMPM
Section 14: N/2

(j) EXTEND the Bear Draw-Queen-Grayburg-San Andres Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 29 EAST, NMPM
Section 28: N/2 SE/4

(k) EXTEND the Bluitt-Wolfcamp Gas Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 37 EAST, NMPM
Section 10: SE/4

(l) EXTEND the Buffalo Valley-Pennsylvanian Gas Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 15 SOUTH, RANGE 27 EAST, NMPM
Section 4: All

Examiner Hearing - Thursday - November 14, 1981

BEST AVAILABLE COPY

- (m) EXTEND the Bunker Hill-Penrose Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM
Section 13: SE/4 SW/4

- (n) EXTEND the Burton Flat-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 27 EAST, NMPM
Section 35: W/2

- (o) EXTEND the Eagle Creek-Strawn Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 25 EAST, NMPM
Section 27: N/2

TOWNSHIP 18 SOUTH, RANGE 25 EAST, NMPM
Section 1: All

- (p) EXTEND the Golden Lane-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 21 SOUTH, RANGE 29 EAST, NMPM
Section 8: S/2

- (q) EXTEND the Kennedy Farms-Upper Pennsylvanian Gas Pool in Eddy County, New Mexico to include therein:

TOWNSHIP 17 SOUTH, RANGE 26 EAST, NMPM
Section 34: N/2
Section 35: N/2

- (r) EXTEND the North Mason-Delaware Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 26 SOUTH, RANGE 32 EAST, NMPM
Section 8: S/2 S/2

- (s) EXTEND the West Osudo-Morrow Gas Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 20 SOUTH, RANGE 35 EAST, NMPM
Section 35: N/2

- (t) EXTEND the West Parkway-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 29 EAST, NMPM
Section 29: W/2

- (u) EXTEND the Peterson-Mississippian Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 4 SOUTH, RANGE 33 EAST, NMPM
Section 29: NE/4

- (v) EXTEND the POW-Morrow Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 26 EAST, NMPM
Section 4: S/2

- (w) EXTEND the Saunders-Permo Upper Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 14 SOUTH, RANGE 33 EAST, NMPM
Section 32: NE/4

Examiner Hearing - Thursday - November 14, 1981

BEST AVAILABLE COPY

- (x) EXTEND the Scharb-Bone Spring Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 35 EAST, NMPM
Section 8: NE/4

- (y) EXTEND the East Siete-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 31 EAST, NMPM
Section 10: NE/4

- (z) EXTEND the Teague-Abo Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
Section 27: NW/4

- (aa) EXTEND the Tom-Tom-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 7 SOUTH, RANGE 31 EAST, NMPM
Section 28: SE/4

- (bb) EXTEND the North Turkey Track-Morrow Gas Pool in Eddy County, New Mexico to include therein:

TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM
Section 21: All

- (cc) EXTEND the North Young-Bone Spring Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 32 EAST, NMPM
Section 9: NE/4

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

21 October 1981

EXAMINER HEARING

IN THE MATTER OF:

Application of JEM Resources, Inc.
for vertical pool extension and
special GOR limit, Eddy County,
New Mexico.

CASE
7379

BEFORE: Richard L. Stamets

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:

MR. STAMETS: We'll call next Case 7379.

MR. PEARCE: Application of JEM Resources, Inc., for vertical pool extension and special GOR limits, Eddy County, New Mexico.

MR. STAMETS: At the request of the applicant, this case will be continued to the November 19th Examiner Hearing.

(Hearing concluded.)

BEST AVAILABLE COPY

C E R T I F I C A T E

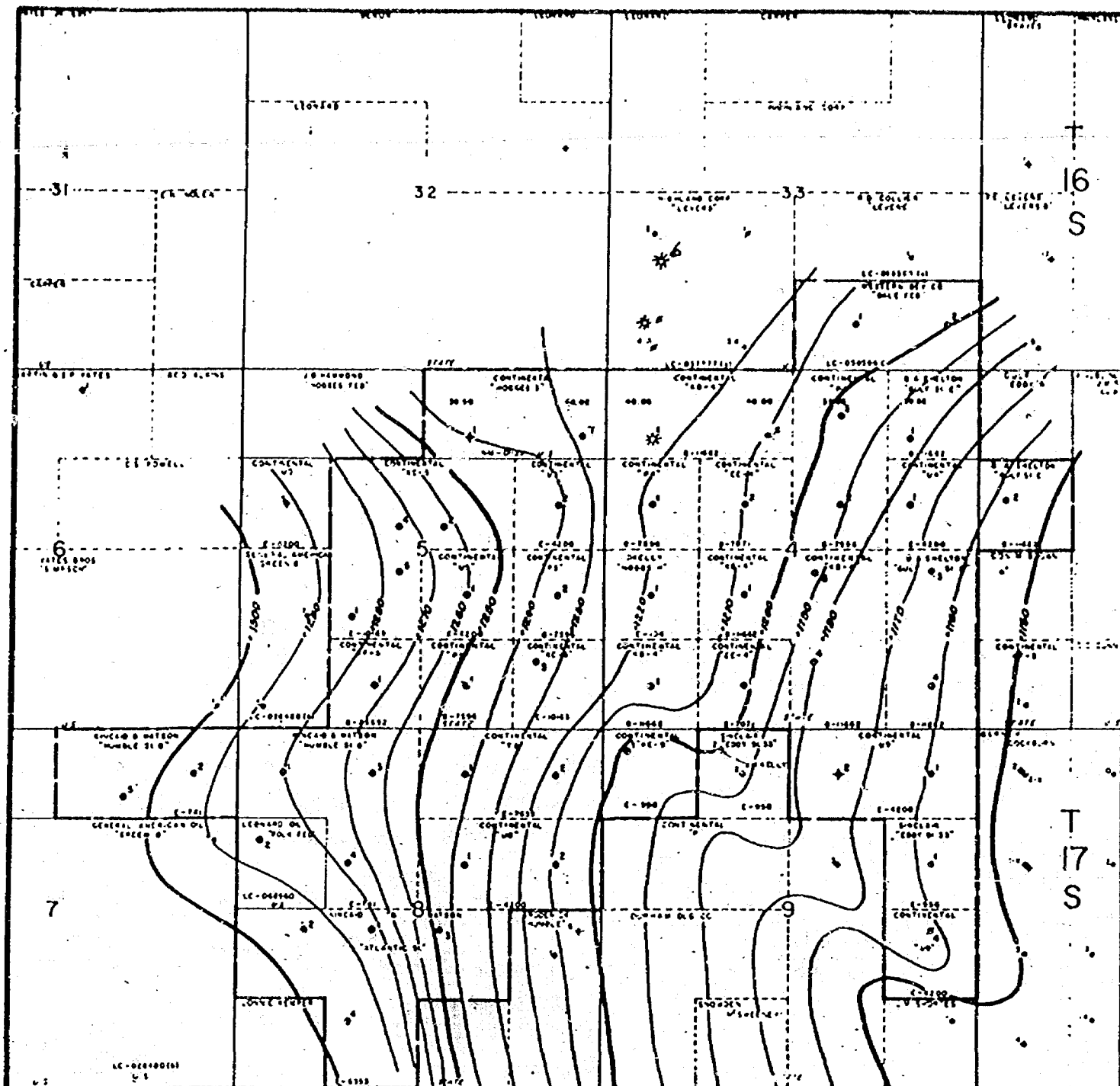
I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd CSR

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7409

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 7379 heard by me on 10-71 1981.
Richard S. Stumm, Examiner
Oil Conservation Division



JEM RESOURCES
Artesia, New Mexico

PREMIER STRUCTURE MAP

CAVE POOL UNIT AREA

C.I.: 10'

Scale: 0 1000 2000

Docket Nos. 34-81 and 35-81 are tentatively set for October 21 and November 4, 1981. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: COMMISSION HEARING - WEDNESDAY - OCTOBER 14, 1981

9 A.M. - OIL CONSERVATION COMMISSION - ROOM 205
STATE LAND OFFICE BUILDING, SANTA FE, NEW MEXICO

HIST AVAILABLE

(The following cases are continued from the October 14, 1981, Commission hearing to October 16, 1981.)
CASE 7345: (Continued and Readvertised)

Application of Bass Enterprises Production Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres, Bone Springs and Pennsylvanian formations, Lovington Field, underlying the N/2 NE/4 of Section 13, Township 16 South, Range 36 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

CASE 7322: (DE NOVO)

Application of Clements Energy, Inc., for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests underlying the E/2 of Section 32, Township 15 South, Range 27 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

Upon application of Southland Royalty Company, this case will be heard DE NOVO pursuant to the provisions of Rule 1220.

Docket No. 34-81

DOCKET: EXAMINER HEARING - WEDNESDAY - OCTOBER 21, 1981

9 A.M. - OIL CONSERVATION DIVISION 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 November, 1981, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
 - (3) Consideration of the allowable production of gas for November, 1981, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

CASE 7373: Application of J. C. Williamson for Amendment of Division Order No. R-6738, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the Amendment of Division Order No. R-6738, which approved an unorthodox location for a well 1560 feet from the North line and 1830 feet from the West line of Section 10, Township 23 South, Range 34 East. Applicant seeks the Amendment of said order to reflect the corrected location of said well at a point 1580 feet from the North line and 2614 feet from the West line of said Section 10.

CASE 7374: Application of Dugan Production Corporation for an unorthodox gas well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Farmington formation well located 330 feet from the South line and 990 feet from the East line of Section 9, Township 28 North, Range 11 West, the E/2 of said Section 9 to be dedicated to the well.

- CASE 7375: Application of Dugan Production Corporation for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Angel Peak Gallup-Basin Dakota production in the wellbore of its McAdams Well No. 2 located in Unit P of Section 34, Township 27 North, Range 10 West.
- CASE 7376: Application of Dugan Production Corporation for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Basin-Dakota and Bisti-Lower Gallup production in the wellbore of its Big 8 Well No. 1-E, located in Unit O of Section 8, Township 24 North, Range 9 West.
- CASE 7377: Application of Dugan Production Corporation for downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of undesignated Gallup and Basin-Dakota production in the wellbore of its July Jubilee Well No. 1 located in Unit G of Section 30, Township 24 North, Range 9 West.
- CASE 7378: Application of Jerome P. O'Hugh for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Wildhorse-Gallup and Basin-Dakota production in the wellbore of his Apache E Well No. 1, located in Unit A of Section 18, Township 26 North, Range 3 West.
- CASE 7356: (Continued from September 23, 1981, Examiner Hearing)
- Application of 3 & I Oil Company for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the W/2 SW/4 of Section 12, Township 29 North, Range 15 West, Cha Cha-Gallup Oil Pool, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 7379: Application of JEM Resources, Inc., for vertical pool extension and special GOR limit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the vertical extension of the Cave-Grayburn Pool to include the San Andres formation, and the establishment of a special gas-oil ratio limit for said pool to 6000 to one or, in the alternative, the abolishment of the gas-oil ratio limit in said pool, all to be effective October 1, 1981.
- CASE 7380: Application of Bird Oil Corporation for an unorthodox location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox Entrada location of a well to be drilled 2310 feet from the North line and 1325 feet from the East line of Section 10, Township 22 North, Range 9 West, the SW/4 NE/4 of said Section 10 to be dedicated to the well.
- CASE 7381: Application of H. L. Brown, Jr., for an unorthodox gas well location, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be drilled 330 feet from the South line and 2310 feet from the East line of Section 34, Township 7 South, Range 37 East, Bluit-Wolfcamp Gas Pool, the E/2 of said Section 34 to be dedicated to the well.
- CASE 7382: Application of TXO Production Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Morrow well to be drilled 660 feet from the South and West lines of Section 20, Township 17 South, Range 28 East, the W/2 of said Section 20 to be dedicated to the well.
- CASE 7383: Application of Amoco Production Company for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Upper Pennsylvanian formation underlying the NW/4 of Section 19, Township 19 South, Range 25 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.

BEST AVAILABLE COPY

- CASE 7384: Application of Morris R. Antweil for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the surface to the base of the Abo formation underlying the NE/4 SW/4 of Section 5, Township 20 South, Range 38 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 7385: Application of El Paso Natural Gas Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Blanco-Mesaverde and Basin-Dakota production in the wellbore of its San Juan 27-5 Unit Well No. 59, located in Unit A of Section 6, Township 27 North, Range 5 West.
- CASE 7386: Application of El Paso Natural Gas Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of South Blanco-Pictured Cliffs and Blanco-Mesaverde production in the wellbore of its San Juan 27-5 Unit Well No. 54, located in Unit L of Section 31, Township 27 North, Range 5 West.
- CASE 7387: Application of Sun Oil Company for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be drilled 660 feet from the North and East lines of Section 32, Township 9 South, Range 37 East, West Sawyer-San Andres Pool, the N/2 NE/4 of said Section 32 to be dedicated to the well.
- CASE 7388: Application of Sun Oil Company for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be drilled in the Northeast Lusk Yates Pool, 2500 feet from the North line and 1880 feet from the East line of Section 15, Township 19 South, Range 32 East the SW/4 NE/4 of said Section 15 to be dedicated to the well.
- CASE 7389: Application of Yates Petroleum Corporation for an Amendment to Division Order No. R-4365, Eddy County, New Mexico. Applicant, in the above-styled cause seeks the amendment of Division Order No. R-4365, which promulgated special rules and regulations for the Penasco Draw San Andres-Yeso Pool, by amending Rule 5 to permit the simultaneous dedication of gas wells and oil wells and amending Rule 9 to provide for annual gas-liquid ratio tests in lieu of semi-annual tests.
- CASE 7365: (Continued from October 7, 1981, Examiner Hearing)
- Application of Yates Petroleum Corporation for the amendment of Order No. R-6406, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-6406, to permit recompletion of its State "JM" No. 2 Well, drilled at an unorthodox Morrow location 660 feet from the South line and 660 feet from the East line of said Section 25, Township 18 South, Range 24 East, in any and all Wolfcamp and Pennsylvanian pays in said well.
- CASE 7390: Application of Harvey E. Yates Company for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Mississippian formation underlying the W/2 of Section 18, Township 9 South, Range 27 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 7391: Application of Harvey E. Yates Company for statutory unitization, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order unitizing, for the purposes of a secondary recovery project, all mineral interests in the Travis Penn Unit encompassing 480 acres, more or less, underlying all or portions of Sections 12 and 13, Township 18 South, Range 28 East, Eddy County, New Mexico.

The unitized interval would be the Cisco-Canyon formation between the depths of 9815 feet and 9935 feet in Harvey E. Yates Company's Travis Deep Unit No. 2 Well. Among the matters to be considered at the hearing will be the necessity of unit operations; the designation of a unit operator; the determination of the horizontal and vertical limits of the unit area; the determination of the fair, reasonable, and equitable allocation of production and costs of production, including capital investment, to each of the various tracts in the unit area; the determination of credits and charges to be made among the various owners in the unit area for their investment in well and equipment; and such other matters as may be necessary and appropriate for carrying on efficient unit operations, including, but not necessarily limited to, unit voting procedures, selection, removal, or substitution of unit operator, and time of commencement and termination of unit operations.

- CASE 7392: Application of Sam H. Snoddy, for an unorthodox gas well location in the Oil-Potash Area, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the location of a Pennsylvanian well to be drilled 660 feet from the North and East lines of Section 26, Township 20 South, Range 32 East, Oil-Potash Area, the N/2 of said Section 26 to be dedicated to the well.
- CASE 7393: Application of Uriah Exploration Incorporated for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Cisco, Canyon and Morrow formations underlying the W/2 of Section 13, Township 22 South, Range 24 East, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the well, and a charge for risk involved in drilling said well.
- CASE 7394: Application of Supron Energy Corporation for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Pennsylvanian well to be drilled 467 feet from the North line and 1650 feet from the West line of Section 13, Township 22 South, Range 24 East, the N/2 of said Section 13 to be dedicated to the well.
- CASE 7395: Application of Curtis J. Little for Designation of a Tight format. n, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks the designation of the Pictured Cliffs formation underlying portions of Townships 25 and 26 North, Ranges 6 and 7 West containing a total of 14,400 acres, more or less, as a tight formation pursuant to Section 107 of the Natural Gas Policy Act and 18 CFR Section 271. 701-705.
- CASE 7300: (Reopened and Readvertised)
- Application of Dome Petroleum Corporation for designation of a tight formation, Sandoval County, New Mexico. Applicant, in the above-styled cause, seeks the designation of the Chacra formation underlying portions of Townships 21 and 22 North, Ranges 5, 6, and 7 West, containing 73,018 acres, more or less, as a tight formation pursuant to Section 107 of the Natural Gas Policy Act and 18 CFR Section 271. 701-705.
- CASE 7352: (Continued from September 23, 1981, Examiner Hearing)
- Application of Yates Petroleum Corporation for designation of a tight formation, Eddy County, New Mexico. Applicant, in the above-styled cause, pursuant to Section 107 of the Natural Gas Policy Act 18-701-705, seeks the designation as a tight formation of the Permian formation underlying all of the following townships:

Township 17 South, Ranges 24 thru
26 East;

18 South, 24 and 25 East,

19 South, 23 thru 25 East;

20 South, 21 thru 24 East;

20 1/2 South, 21 and 22 East;

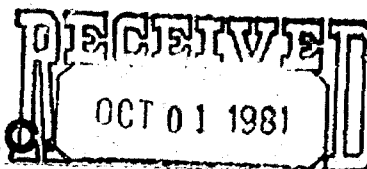
21 South, 21 and 22 East;

Also Sections 1 thru 12 in

22 South, 21 and 22 East,

All of the above containing a total of 315,000 acres more or less.

JEM Resources, Inc.



P.O. BOX 648

ARTESIA, NEW MEXICO 88210

Sept. 28, 1981

OIL CONSERVATION DIVISION
SANTA FE

DALTON BELL, PRESIDENT
(505) 748-2134
ARTESIA, NEW MEXICO 88210

JOE B. BELL, SECY., TREASURER
103 EAST 5TH STREET
P.O. BOX 2103
ROSWELL, NEW MEXICO 88201

Dept. of Energy And Minerals

Oil & Gas Conservation Div.

Santa Fe, N. Mex.

Attn. Mr. R.L. Stamets

Dear Sir:

Case 7379

Application is hereby submitted for haering a request for removal of the Gas Oil Ratio Limits in the Cave Pool. Pool is located in T. 16 S & 17 S R 29 E NMPM, Eddy County, N. Mex.

The Cave Pool is presently designated Cave Grayburg. A hearing is set for Oct. 9, 1981 to extend the verticle limits to include the San Andres.

Alternativly we request the G O R be raised to 6000:1 .

What ever action is taken we also request it be made retroactive to Oct. 1, 1981

Respectfully Yours;

Dalton Bell, President

cc: Bill Gressett
Artesia

R-6776

Care

7379

?

BEST AVAILABLE COPY

EXHIBITS



Wilbur Shackleford
JEM Resources

Call Bill

Oct 17th
Docket
for expansion
of vertical
limits

ROUGH

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

M.S.
11/18

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

BEST AVAILABLE COPY

CASE NO. 7379

Order No. R-6850

Application of JEM Resources, Inc., for vertical pool extension and special GOR limit, Eddy County, New Mexico.

JAR

Jar

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on Nov 19
19 81, at Santa Fe, New Mexico, before Examiner RLS

NOW, on this _____ day of _____, 19____, 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, JEM Resources, Inc.,

seeks the vertical extension of the Cave-Grayburg
Pool to include the San Andres Formation, and the establishment of a special gas-oil ratio limit
for said pool to 6000 to one or, in the alternative, the abolishment of the gas-oil ratio limit
in said pool, all to be effective October 1, 1981.

(3) That by ~~its~~ Division Order No R-6810
~~that~~ effective November 1, 1981, The vertical
limits of ~~the~~ said Cave-Grayburg Pool were
extended to include The San Andres
formation. and ~~that portion of this~~
~~case seeking such extension shall~~
~~be dismissed.~~

(4) That such extension should be made retroactive to October 1, ~~1981~~ 1981.

(5) That the evidence presently available indicates that wells within said Caney-Grayburg - San Andres Pool may be produced ^{waste} ~~produced~~ subject to no gas-oil ratio limitation.

(6) That the applicant should be required to test newly completed or recompleted wells in said pool to assure that such wells and pool may continue to produce without waste with no limiting gas-oil ratio.

(7) That the applicant should consult with the supervisor of the Division's district office at Artesia to establish data which should be reported on each newly completed or recompleted well in said pool. ~~to assure continued production~~

(8) That the Director of the Division should be authorized to rescind the authority for production from said

to be effective November 1, 1981, is hereby
 amended with respect to Ordering Paragraph
 (m) only to make the effective date of

I + IS

THEREFORE ORDERED:

(1) That the extension of the vertical
 limits of the Cave-Grayburg Pool
 to include the San Andres formation
 as ~~contained in~~ provided in Division
 Order No R-6810 is hereby made
 retroactive to October 1, 1981.

(2) That effective October 1, 1981, the
 Cave-Grayburg-San Andres Pool is
 hereby exempted from the gas-oil
 ratio limitation provisions of Division
 Rule 506.

Provided However; That
~~that~~ any operator within said pool
 shall be

required to test newly completed
 or recompleted wells in said pool
 to assure that such wells and
 pool may continue to produce
 without waste with no limiting
 gas-oil ratio.

Provided Further That the applicant shall
 consult with the supervisor of the Division's
 district office at Artesia to establish
 data which ~~shall~~ ^{shall} be reported ~~for~~ each
 newly completed or recompleted well in
 said pool to assure ~~continued~~ production

(3) That the Director of the Division is
~~shall~~ ~~be~~ hereby authorized to administratively
 reinstitute a gas-oil ratio limit