

CASE NO.

7671

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
1 September 1982

EXAMINER HEARING

IN THE MATTER OF:

Application of Texas Eastern Developments, Inc., for an exception to Rule 307, San Juan County, New Mexico. CASE 7671

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:

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2 MR. STAMETS: Call next Case 7671.

3 MR. PEARCE: That is the application of
4 Texas Eastern Developments, Incorporated, for an exception to
5 Rule 307, San Juan County, New Mexico.

6 MR. STAMETS: At the request of the ap-
7 plicant, this case will be continued to the September 15th
8 Examiner Hearing.

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10 (Hearing concluded.)
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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

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 7671, heard by me on 9-1 1982

Richard R. Ham, Examiner
Oil Conservation Division

SALL. BOYD, C.S.R.

Box 191-B

Santa Fe, New Mexico 87301

Pt. No. (505) 455-7409

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

15 September 1982

EXAMINER HEARING

IN THE MATTER OF:

Application of Texas Eastern Developments, Inc., for an exception to Rule 307, San Juan County, New Mexico. CASE 7671

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

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

For the Applicant: Clifford K. Atkinson, Esq.
MODRALL, SPERLING, ROEHL,
HARRIS, & SISK
P. O. Box 2168
Albuquerque, New Mexico 87103

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MR. NUTTER: We'll call Case Number 7671.

MR. PEARCE: That is on the application of Texas Eastern Developments, Inc., for an exception to Rule 307, San Juan County, New Mexico.

MR. ATKINSON: Mr. Examiner, I'm Cliff Atkinson from the Modrall Law Firm in Albuquerque. I'm representing Texas Eastern Developments, Inc. in this matter.

With me are Theresa Valdez, Lori Vanderboegh of Texas Eastern Developments, and they will be testifying to begin.

Dr. Bill Lyons, who has acted as a consultant to Texas Eastern, will conclude the testimony in this matter.

(Witnesses sworn.)

MR. ATKINSON: Mr. Examiner, we will begin with Theresa Valdez.

THERESA VALDEZ

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

DIRECT EXAMINATION

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2
3 BY MR. ATKINSON:

4 Q Will you state for the record what your
5 name is and your position with Texas Eastern, please?

6 A Yes. My name is Theresa Valdez. I was
7 employed by Texas Eastern in 1980, May of 1980, and I am a
8 research and business advisor for the company.

9 The last year I have worked in looking
10 after the -- some of the activities concerning the subject
11 situation.

12 Q And what is your familiarity with the
13 subject matter of this application?

14 A Well, I'm knowledgeable that we have been
15 asked by the State to discontinue production of these leases
16 for the present time until we seek the permit that we are
17 applying for now.

18 Q Let me ask you for the record is you'll
19 identify what we'll mark as Exhibit One. Could you identify
20 for the record what that is, if that is evidence of your
21 authority and Mr. -- Dr. Lyons authority to act for Texas
22 Eastern Developments?

23 A Yes, sir, it is.

24 Q All right, and you're both authorized to
25 act for Texas Eastern in this hearing?

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A. We are.

Q. Can you tell me the properties which are involved here, I believe are Navajo Tribal oil and gas leases? Is that correct?

A. That's correct.

Q. And let me ask you if you can please identify what we're marking for the record as Exhibit Two?

A. These identify the two assignments of the two leases in question.

Q. All right. When did Texas Eastern Developments first begin operations on the two leases in question?

A. June, 1980 as an operator, and the assignments were completed in June -- on June 20, 1982.

Q. Prior to Texas Eastern Developments operating these leases under a designation of operator, the leases were operated by Shiprock Oil and Gas?

A. That's correct.

Q. And the Exhibit Two reflects that approvals were complete from the BIA for Leases 1049 and 5036 on June 29 of this year?

A. That's correct.

Q. Are you familiar with the location of the of the wells that are being proposed for the application of the vacuum system?

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A. Yes, I am.

Q. Are you familiar with the injection wells by which Texas Eastern has been connecting the waterflood?

A. Yes, I am.

Q. All right, and let me ask you what's been for the record indicated there by Exhibit Number Three?

A. Yeah, Exhibit Number Three is an order of the Commission to give a permit for an injection system.

Q. All right, an injection system which is addressed in this order, which is dated 1971, June 2nd, is the injection system by which Texas Eastern has been conducting a waterflood of the area we're concerned with?

A. That's correct.

Q. Next, Ms. Valdez, if I may, let me give you a map, which is Exhibit Four, and let me ask you, I will say that Dr. Lyons will be speaking to the particulars of this map, but can you tell me whether this map fairly and accurately reflects the status of Texas Eastern Developments holdings in the area in question.

A. Yes, the map does represent -- does reflect the development that we have in operation.

Q. And specifically, the area in the northern half of this map that is delineated by the green line is the Navajo Tribal Lease 1049?

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A. Lease 1049, that's correct.

Q. And the area that is outlined in yellow, the southern portion of this map --

A. Lease --

Q. -- is Lease 5036.

A. That's correct.

Q. And have you examined this map to determine whether the location of the injection wells and the wells for which the vacuum system is being applied for correspond to the information in Texas Eastern's files?

A. That's correct, they do.

Q. Could you please state briefly what the history has been in regard to the vacuum system on the leases in the last twelve months, for example?

A. When Texas Eastern began to operate the field as an operator the vacuum system was already in place and so production was continued to the best of our abilities.

Sometimes in the month of July we received a notice that the vacuum system was not approved and there were no permits that had been applied by whoever set the vacuum system in place and therefor that we would have to discontinue production from those wells that were being operated under the vacuum system, and we in fact did comply with the order.

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2 Q Let me ask you to identify the next
3 exhibit, which is Exhibit Five, let me ask you if that is the
4 application for the matter being requested today before the
5 Commission?

6 A That is in fact the application, that's
7 true.

8 Q All right. Can you tell the Examiner
9 briefly what Texas Eastern's intentions are in regard to oper-
10 ation of this vacuum system if the Commission grants Texas
11 Eastern the permission to continue?

12 A Since we have already received the assign-
13 ment from the BIA and the Navajo Tribe as of June 29, 1982,
14 we want to continue to produce from the existing system and
15 this map and then for our further projects we want to work
16 over or to improve some of the holes temporarily abandoned
17 in the vicinity of where the system is and in the future, per-
18 haps, extend the vacuum system so that we can improve the
19 enhance the production in this field.

20 Q So the intention then is to continue
21 waterflood on the wells that are denominated in the -- on the
22 map as injection wells --

23 A Correct.

24 Q -- and to operate the vacuum systems,
25 which are denominated one, two, three, and four.

1
2 A Continue what is existing right now and
3 in the future expand so that we can produce more from the
4 field.

5 MR. ATKINSON: Mr. Examiner, those are
6 all the questions we have of this witness.

7 Dr. Lyons will be speaking as to the par-
8 ticulars of the system and the reservoir itself.

9
10 CROSS EXAMINATION

11 BY MR. NUTTER:

12 Q Ms. Valdez, do you have any idea when the
13 predecessors installed the vacuum system?

14 A Yes, back in 1973. No, I think it was
15 even 1968, 1968.

16 Q So it's been in operation a good long
17 while, then.

18 A Way before we even took over the operation
19 of the field, yes, sir.

20 Q Yeah. When was it that you took over
21 the assignment?

22 A The operating assignments were turned
23 over to us in 1980 but we, you know, there was period of
24 transition there and our assignments were actually given to
25 us on June 29th, 1982.

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2 Q But you took over actual operations in
3 '80?

4 A In '80.

5 MR. ATKINSON: Mr. Examiner, if I might
6 clarify on that. The -- the legal assignment from Shiprock
7 to Texas Eastern was completed in May of 1980 but it was not
8 approved by BIA and the Navajo Tribe.

9 Texas Eastern operated these wells under
10 a designation of operator until finally approved some two
11 months ago, I believe.

12 MR. NUTTER: And I understand.

13 Are there any further questions of Ms.
14 Valdez?

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16 QUESTIONS BY MR. CHAVEZ:

17 Q Ms. Valdez, I'm Frank Chavez of the Aztec
18 Office.

19 A Yes.

20 Q In this resurvey which is shown on this
21 map, Exhibit Number Four, were there some of these wells which --
22 well, for example, Well No. 91, which -- can you see on the
23 map --

24 A Which one is it? Yes, sir.

25 Q Okay, does that fall exactly on the lease line

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2 or is that -- I understand there are some problems.

3 A As far as I know, Mr. Chavez, it does
4 fall right there.

5 Q Okay, well, are there some other wells
6 that perhaps are shown on this map as being on one lease which
7 might be located on another?

8 A Yes, if you will excuse us a minute. We
9 have to see now where Well 90 lies.

10 It may -- Mr. Chavez, I think it's right
11 on the lease line. This well is designated to be plugged and
12 abandoned hole. Okay?

13 Q Okay.

14 A So that might be one of the wells that in
15 the future we may want to look into it and see whether or not
16 we may want to get -- go back and work them over and see if
17 we can get some production from them.

18 Q Were there any wells producing, for example,
19 like No. 5, which had previously been, say, reported on Lease
20 1049, which, after the survey, fell on another lease?

21 A That is correct, sir. That well is on
22 the production, yes, sir.

23 Q Had that lease previously been shown as
24 in Lease 1049 rather than Lease 5036, or are you aware?

25 A Will you permit Dr. Lyons to answer that

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question?

Q Okay.

DR. LYONS: There are a few that in the recent resurvey have been found to be just over the line and those corrections are either in the process of being made or have been made.

Q Okay.

A In addition to that, could I answer, a little further by saying that these are some of the things that since we were given the legal assignment we have in our project to sort of iron out and determine exactly, you know, where they are and what the correct surveying of these wells may be.

Q Okay, but in any case, the ownership of the leases is all common with all the royalties common?

A Yes, sir.

DR. LYONS: But they are in the process of getting out, since they have taken over, and straightening out those surveys.

MR. CHAVEZ: Okay, thank you.

MR. NUTTER: Are there any further questions of Ms. Valdez? She may be excused.

MR. ATKINSON: Mr. Examiner, my next witness is Lori Vanderboegh. I probably mispronounced her name.

1
2 You might give the court reporter your
3 spelling.

4 MS. VANDERBOEGH: It's Vanderboegh.
5 V-A-N-D-E-R-B-O-E-G-H.

6 THE REPORTER: And Lori, L-O-R-I?

7 MS. VANDERBOEGH: L-O-R-I.

8 THE REPORTER: Thank you.

9
10 LORI VANDERBOEGH

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

13
14 DIRECT EXAMINATION

15 BY MR. ATKINSON:

16 Q Ms. Vanderboegh, let me ask you to exa-
17 mine what we have marked as Exhibit Six, please. There is a
18 cover sheet and then there are operator's monthly reports be-
19 low that or underneath that. Would you please identify what
20 these monthly reports reflect and what they are?

21 A Yes. I fill these out on a monthly basis
22 from production reports received from the field, and it goes
23 back until August of '81 to get a yearly average -- a monthly
24 average of what's produced in each vacuum system.

25 Q And reports that you based your compilation

1
2 of these reports on are -- contain information that is nor-
3 mally obtained by Texas Eastern during the normal course of
4 its business?

5 A. Right.

6 Q. It's normally submitted to you during
7 the normal course of Texas Eastern's business?

8 A. Yes.

9 Q. And can you tell me, there is a typewritten
10 page for Exhibit Number Six. Did you prepare that cover page
11 as well?

12 A. Yes.

13 Q. And could you tell me what it is intended
14 to reflect?

15 A. It's reflecting the monthly production
16 on each of the systems of oil to water and then the yearly
17 totals and a monthly average and it's basically to show how
18 much is producing in comparison to August of '82 when the
19 systems were cut off.

20 Q. All right, so this reflects the production
21 of oil and the production of water from the various systems
22 for the twelve months preceding August of this year?

23 A. Right.

24 MR. ATKINSON: Mr. Examiner, that is all
25 the questions I have of this witness.

CROSS EXAMINATION

BY MR. NUTTER:

Q. MS. Vanderboegh, what are the designations up at the top of these columns?

A. Okay, this is just how we've divided the production by the battery, and the Navajo listing is the System One, on the vacuum system. You can refer to the map and the INL designation is System Three, Four, and the JNK is System Two.

Q. System Two by itself?

A. Right.

Q. So all of these -- now you've -- you've got two leases here. You've got Lease 1049 and 5036.

A. Right.

Q. System One is on 1049.

A. Right.

Q. So that's a separate battery all by itself on that one lease.

A. Yes, sir.

Q. And all of these other systems, Two, Three, and Four, are on the 5036.

A. Right.

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2 Q So there is no commingling or crossing of
3 oil from one lease onto the other?

4 A No, I don't believe so.

5 DR. LYONS: Unless we -- unless that No.
6 5, which we're pretty sure now is in 5036.

7 MR. NUTTER: Unless a well was accidentally
8 put in the wrong one.

9 DR. LYONS: Well, we're pretty sure that
10 is in 5036 but we have to resurvey that and make sure.

11 MR. NUTTER: Uh-huh.

12 Are there any further questions of Ms.
13 Vanderboegh? She may be excused.

14 Call your next witness, please.

15 MR. ATKINSON: Mr. Examiner, my third
16 witness is Dr. Bill Lyons.

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18 DR. WILLIAM C. LYONS
19 being called as a witness and being duly sworn upon his oath,
20 testified as follows, to-wit:

21
22 DIRECT EXAMINATION

23 BY MR. ATKINSON:

24 Q Dr. Lyons, would you please state your
25 name and your position in regard to Texas Eastern Development?

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2 A. William C. Lyons, L-Y-O-N-S. I'm a
3 consultant to Texas Eastern Developments Company.

4 My profession is I'm a professor of
5 petroleum engineering, Chairman of the Petroleum Engineering
6 Department, New Mexico Institute of Mining and Technology,
7 and also I'm the President of RIFT Engineering and Drilling,
8 which is a developer of production and professional drilling
9 tools.

10 Q. Dr. Lyons, briefly what is your education?

11 A. I have a BS degree and Masters degree and
12 a PhD in engineering from the University of Kansas.

13 Q. And what has your experience been with
14 the particular strata and producing horizons that we are
15 dealing with in this application?

16 A. That's twofold. One is involvement with
17 Texas Eastern and its drilling developments which were in and
18 around this particular area for testing. Secondly, with the
19 research being carried out by the New Mexico Petroleum Re-
20 covery Research Center down at New Mexico Tech, which is in-
21 volved in studies of this type of formation and enhancing
22 the production from this type of formations around New
23 Mexico.

24 Q. Okay, and what is your position with Pet-
25 roleum Recovery Research Center?

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A. We are -- we are consultants to that. The Department of Petroleum Engineering is a part of that Center and vice versa, the Center is part of the Department.

Q. Are you presently instructing any courses at New Mexico Tech concerned with the mechanics of fluid flow?

A. Yes, instructing in courses that have to do with drilling and production operations in petroleum reservoirs.

Q. Are you familiar with the geology of the area we're concerned with?

A. Yes, I am.

Q. Have you testified before the Commission before?

Yes, I have.

MR. ATKINSON: Are the witness' qualifications acceptable?

MR. NUTTER: They are.

Q. Dr. Lyons, could you explain briefly what the reservoir characteristics of the producing horizon we're concerned with here are?

A. We're dealing with the Shiprock-Gallup formation and at a depth of 62 feet across this production zone to about 154 feet, so we're talking about a very, very shallow production zone. There is virtually no reservoir

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2 pressure except for the gravity flow of the fluid itself out
3 of the formation into the borehole itself.

4 I would imagine because of past production
5 on and on through the years that we have quite a bit of
6 voids in the -- in the production zone itself.

7 The application of the vacuum systems has
8 shown that indeed we do get enhancement of production by that
9 means alone; of course, all of us know that the reason vacuum
10 systems have been done away with is that, except for special
11 cases, is that that tends to pull the lighter ends out of --
12 out of the formation earlier and leave behind the more vis-
13 cous, heavier ends of the petroleum in your formation, and
14 therefor, about forty years ago decided to go ahead and --
15 and not allow that in most situations in favor of putting
16 pressure into the formation from behind, if you will, and
17 pushing the fluid to the -- to the wellbore.

18 In this case it's pretty clear that
19 there's just going to be production unless you pull that
20 vacuum and enhance that gravity flow a little bit.

21 Secondly, Texas Eastern's plan and future
22 plan deals with washing that formation out to make sure we
23 don't leave behind those heavy ends, in conjunction with the
24 vacuum, which is basically the reason for the waterflood.

25 Q Dr. Lyons, have you been able to determine

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what the depth of the water table is in this area?

A. Well, the water table there, from my questioning of the State Engineer's Office, there is a small, tiny amount of water in and around this area, but it's usually unpotable and it's very small quantities.

MR. NUTTER: All right, what is the depth of production?

A. The depth of production ranges from, depending on the well, it ranges from about 154 feet to 62 feet.

MR. NUTTER: Okay, so this is shallow oil and when the field was discovered there was little reservoir in -- in the reservoir, is that correct?

A. That's correct. As far as we know, this was -- this -- when the first wells were put in there and actual production took place is uncertain, but I would imagine it was in and around the middle sixties, and from past records, and from understanding of that reservoir in general, which -- there's not much production out of that anywhere nearby here, we have a kind of a small, little area that has some production, a very, very slight production under normal normal pressures, circumstances. So therefor, in answering your question, yes, there was very little pressure there.

MR. NUTTER: Wasn't the oil lifted in this area by windmills at one time?

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A. It may have been.

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MR. NUTTER: Are there windmills there

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now?

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A. No, I don't think so.

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MR. NUTTER: It's lifted by power pumps.

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A. Now we have just --

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MR. NUTTER: Small jack beams?

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A. Normal jack beams with-- operated by

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Navajo Power as a rule, and the vacuum pumps would be oper-

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ated by Navajo Power, also.

12

MR. NUTTER: Is any gas produced with the

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oil?

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A. No, none to my knowledge.

15

MR. NUTTER: The vacuum is not going to

16

flow any gas out -- go ahead with the testimony.

17

Q.

Dr. Lyons, have you had occasion to deter-

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mine where other production is in the area?

19

A.

Yes. The only -- the closest production

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is to the northwest of this particular area, and it's the

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Rattlesnake Lease and it's four miles away and that production

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is out of the Dakota at 800 feet, so it's not even in the

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same ballpark essentially.

24

Q.

Do you have any opinion as to whether the

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operation of the vacuum system on the four systems set forth

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2 on the Exhibit Number Four would have any detrimental effect
3 whatsoever on the production you just mentioned now?

4 A. No. There shouldn't be any interaction
5 between those vacuum systems and that production that's four
6 miles away, nor the -- nor the little flooding exercise that's
7 going on there, it should have no reflection on that, on
8 production.

9 Q. Dr. Lyons, you might go briefly into the
10 particulars of the vacuum systems themselves. I wonder if
11 you might state for the record what comprises vacuum system
12 number one and how Texas Eastern proposes to have it equip-
13 ped under the OCD's rules?

14 A. Well, for those -- that vacuum system
15 on system number one, has three pumps and all the pumps are
16 Gast, G-A-S-T, Manufacturing Corporation rotary vein vacuum
17 pumps, and operating about 17 to 25 RPM direct coupling, 1 to
18 5 horsepower.

19 On system number one we have three such
20 pumps, each running at about 20 cubic feet, and they're --
21 one is located up by Well -- Well 86, and the other two are
22 located down in a building near -- near Well 76. The total
23 vacuum pull on the whole system is about 25 inches of mercury
24 which brings us -- reduces our atmospheric pressure down to
25 probably on the order of five or so, five or six psia, abso-

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2 lute, in the annular space of the production string.

3 On system number two we're operating one
4 40 cubic foot vacuum pump, which again brings us to about 25
5 inches of mercury.

6 System number three we're operating one
7 20 foot -- excuse me, 20 cubic foot vacuum pump, again running
8 at around 25 inches of mercury.

9 The number four we're running one 50
10 cubic foot pump and again at about 25 inches of mercury.

11 Q. Dr. Lyons, while reviewing the Exhibit
12 Number Six, which Ms. Vanderboegh has prepared, do you have
13 any opinion as to which systems are operating on water drive
14 and which ones are simply operating on a vacuum?

15 A. Yes, systems, the middle ones, system
16 three and four, it's fairly evident that we are. That's the
17 way things are laid out there. We are getting our waterflood
18 results through that system because we're producing about
19 1100 barrels of water with about 1973 -- excuse me, of oil,
20 with about 1973 barrels of -- cumulative on the year -- of
21 water.

22 Now, we have shut off the water system
23 and we get very tine amount of water produced if we don't
24 have water being injected, and our estimates are that we're
25 producing this figure of about 1973 is about 60 percent of

1
2 what water that is being injected into the system, or getting
3 back about 60 percent of our water that's being injected in
4 our injection holes laid out on the map.

5 MR. NUTTER: You only have those five
6 active injection wells.

7 A Yes, sir.

8 Q And, Dr. Lyons, in regard to systems one
9 and two, can you tell whether those are experiencing water-
10 flood for production?

11 A Yeah, I think we have very little. I
12 don't think there's any result of a waterflood at those two
13 systems; maybe a tiny amount of water but very small.

14 Q Dr. Lyons, you heard Ms. Valdez testify
15 that the system, both the pump and the waterflood were shut
16 down in July of this year, or in June of this year, and Ms.
17 Vanderboegh has filed a monthly report for August of 1982,
18 which is, I believe, the last attachment on the exhibit you're
19 looking at.

20 Based on the production of oil and water
21 from those three systems, could you please, first of all, tell
22 the Commission what the production of oil and water was and
23 what that tells you as to the effect of the waterflood and
24 vacuum system?

25 A Yes. Since the shutdown system number

1
2 one has produced zero oil and zero water.

3 System three and four, which are lumped
4 together, produced seven barrels of oil from zero water, be-
5 cause also the injection system is shutdown.

6 And system number two we're producing two
7 barrels of oil during that month and zero water.

8 Q. Do you know what the density or viscosity
9 of the petroleum that has been derived from these wells has
10 been?

11 A. The API gravity for the oil that's pro-
12 duced out of these wells is about 45 to 53.

13 Q. And based on that, on those figures, would
14 you expect that use of a vacuum system would result in this
15 extraction of the -- of the lower gravity materials or higher
16 gravity materials first, or would there really be any differ-
17 ence?

18 A. Well, I think we have -- that's always
19 a problem. Hopefully, with the waterflood activities in-
20 creased in and around these wells, and the future plans of
21 Texas Eastern, we can combat that problem; however, the oil
22 is light enough that I think -- and the gravity situation
23 that we're in -- I think we have a pretty good chance of
24 pulling most of it away with just the vacuum system by itself,
25 but I think the waterflooding activity, and the new activity

1
2 of Texas Eastern should improve that capture.

3 MR. NUTTER: Do they intend to add addi-
4 tional injection wells for water injection?

5 A Yes. There are -- there are future plans
6 that aren't laid out in detail, but one of the things we've
7 asked on this permitting is that we be allowed to continue
8 the vacuum system in conjunction with more waterflooding and
9 other possible types of injection activity in the future.

10 MR. NUTTER: Well now, the application as
11 advertised states, Applicant further seeks an administrative
12 procedure whereby it could extend the proposed vacuum system
13 to include additional wells. It doesn't say anything about
14 the additional water injection.

15 A Well, I guess we'd have a -- we'd have
16 to come back separately on that because that's a separate
17 permitting item, I guess, is what will --

18 MR. NUTTER: It may or may not be eligible
19 for administrative approval without hearing.

20 A Yeah.

21 MR. NUTTER: I'd have to check that and
22 see.

23 A Yeah, okay.

24 MR. NUTTER: But your notice here is
25 broad enough to include an administrative procedure to expand

1
2 the vacuum system, anyway.

3 A. Yes, sir. The idea is we -- we know that
4 we can't -- that we need to back that up with probably an
5 additional type of system, be it water injection or some other
6 type of fluid.

7 MR. NUTTER: Well, it appears that water
8 injection is very localized --

9 A. Right.

10 MR. NUTTER: -- in just a small section
11 of the total reservoir.

12 A. Right.

13 Q. Dr. Lyons, in summary, based on the in-
14 formation you've reviewed, including the production records,
15 do you have any opinion as to whether the use of a vacuum
16 system and waterflood system will increase recovery of hydro-
17 carbons, petroleum?

18 A. I believe it's probably the only way
19 we're going to be able to get any oil out of this formation
20 and so I feel that -- any appreciable amount of oil -- so I
21 feel that it's kind of a necessary ingredient to the operation
22 of this -- this particular field and reservoir.

23 Q. Without the use of a vacuum system and a
24 waterflood project, is it your opinion that Texas Eastern
25 Developments is simply not going to be able to realize any

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return on its investment in this property?

A. That's correct, they will get no return.

Q. And insofar as the effect on correlative rights, is it your opinion that there are no nearby production or producers that would be affected adversely by the vacuum system and the waterflood?

A. No, there should be no one affected by what we're going on in this reservoir.

MR. ATKINSON: Mr. Examiner, we have concluded with Dr. Lyons.

CROSS EXAMINATION

BY MR. NUTTER:

Q. Dr. Lyons, would you explain what the red lines on Exhibit Number four mean?

A. Oh, that just -- that just shows you the piping arrangement between the cacuum lines on the annular space of the -- of the pump units.

Q. Okay, so --

A. Shows how they're laid out.

Q. So the wells with the -- with the star symbol are the wells that you're actually putting a vacuum in?

A. They're production wells, right, yes, sir.

Q. Okay, how about No. 54 down here in the

1
2 south of vacuum system two? It's shown with a star but not
3 connected with red lines.

4 A Right, it was connected at one time but
5 it's disconnected from the system.

6 Q No longer --

7 A Right.

8 Q -- vacuuming.

9 A Right. The way it is as -- as present.
10 Now I don't know the actual details, whether that's going to
11 be abandoned. I think it is, at the present time.

12 MR. CHAVEZ: Is it producing?

13 MS. VANDERBOEGH: No.

14 A No, not at this time. Now the plans of
15 Texas Eastern are to rework many of these wells and to lay
16 out the field and in a more orderly fashion and to apply for
17 water injection or other injection materials and to -- to go
18 forward with basically enhanced recovery of that field.

19 MR. NUTTER: Are there any further ques-
20 tions of the witness?

21 MR. CHAVEZ: Yes.

22
23 QUESTIONS BY MR. CHAVEZ:

24 Q Mr. -- Dr. Lyons, what is the average
25 amount of water that's injected into the injection wells?

1
2 that were submitted.

3 MR. NUTTER: Right. We need to have in-
4 jection shown on those. It means you'll have to go back and
5 resubmit some, bring them up to date on injection.

6 A. We have those records because their esti-
7 mates are that this 1973 would be a reflection of 60 percent
8 of what was --

9 MS. VANDERBOEGH: These on the front page
10 are those figures because we since went back. They were never
11 reported on here and we went back through the well work re-
12 ports and figured what we produced every month.

13 MR. NUTTER: Well, yeah, water production
14 but water injection is what I'm talking about.

15 A. You need the volume of injection.

16 Q. Dr. Lyons, our field inspections and
17 those of the Minerals Management Service indicate that some
18 of the wells which will be shown as plugged and abandoned are
19 actually -- in actuality not reported as plugged and abandoned
20 with the report showing --

21 A. Okay.

22 Q. -- cementing and --

23 A. We'll have -- like I said, we're just
24 getting around to cleaning up the --

25 Q. Well, on the surface we have indications

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that some of these wells are open.

A. Yeah. So that needs to be caught up, those -- that paper work on the -- those that have been abandoned, right.

Q Uh-huh.

A. Okay.

Q Also the wells that are open, aren't they a possible source of air getting into the system?

A. They are. They would be if they're nearby and have not been sealed properly. That's correct.

Q Okay. Well, do you have any indication, say, in system number one, just there on the left side of that system it shows No. 77 and No. 73.

A. Uh-huh.

Q Let's see, is there a legend on that? No. It shows a plugged and abandoned --

A. Your records still show them open?

Q I think -- I think they do.

A. Well, apparently in getting that system to operate they have plugged and abandoned. We just haven't gotten the report -- proper report in.

Q Mr. Lyons, our field inspection shows that in vacuum system number one there is a small amount of gas that's coming out --

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A. From 71?

Q. Vaccum system one.

A. Vacuum system one.

Q. Okay, there is a small amount of gas that's being recovered out of that system used in the shop building.

A. Uh-huh.

Q. And it's very, very low BTU. My first question was would there be possibility that air had gotten into the system, because of nitrogen or whatever, to decrease the BTU and now you have a gas. Have you ever done an analysis of that gas?

A. Not to my knowledge. I don't know. I'd have to check on that.

Now, you're -- you're directing that mainly at the threat of pulling gas out of that system or --

Q. No, my concern would be that if air was pulled into the system, say, from the well which had been plugged and abandoned and was open, that the opportunity for contamination of the formation --

A. Right, okay.

Q. -- might create a flooding effect.

A. Right, so what we need to do is make sure we've got a good seal system.

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2 Q That's right, sealing at the surface so
3 that none of these plugged and abandoned or open wells would
4 be sources of air.

5 A Well, I think that should be carried out
6 with our report to you on the P&A's, proper P&A's and we will
7 report to you about any -- we've been able to seal off the
8 system.

9 Q Is the source for water for this injection
10 well the produced water only?

11 A I believe so, but I'm not positive what
12 that source is. It may be some wells in deeper formations
13 that have been producing where we're obtaining water.

14 But I'm sure we're recycling that that is
15 produced.

16 Yeah, we have one water well which is 56
17 and I don't know the details of that, what formation is being
18 produced, about 200 feet.

19 MR. CHAVEZ: Thank you. I have no further
20 questions.

21 MR. NUTTER: Are there any further ques-
22 tions of any of the witnesses? They may all be excused.

23 Does anyone have anything they want to
24 offer in Case Number 7671?

25 MR. ATKINSON: We wish to offer Exhibits

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One through Six into evidence.

MR. NUTTER: Exhibits One through Six
will be admitted in evidence.

We'll take the case under advisement and
recess the hearing until 1:30.

(Hearing concluded.)

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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

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 271, heard by me on 9/15 1984.

[Signature] Examiner
Oil Conservation Division

SALL. BOYD, C.S.R.
Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 433-7409



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

October 12, 1982

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Mr. Clifford Atkinson
Modrall, Sperling, Roehl,
Harris & Sisk
Attorneys at Law
P. O. Box 2168
Albuquerque, New Mexico 87103

Re: CASE NO. 7671
ORDER NO. R-7102

Applicant:

Texas Eastern Developments, Inc.

Dear Sir:

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

Yours very truly,

JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Hobbs OCD x
Artesia OCD x
Aztec OCD x

Other _____

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

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

CASE NO. 7671
Order No. R-7102

APPLICATION OF TEXAS EASTERN
DEVELOPMENTS, INC. FOR AN
EXCEPTION TO RULE 307, SAN JUAN
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on September 15, 1982, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 12th day of October, 1982, 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, Texas Eastern Developments, Inc., seeks an exception to the provisions of Rule 307 of the Division Rules and Regulations to permit the installation and operation of a reservoir vacuum system in certain of its wells in the Shiprock-Gallup Oil Pool, San Juan County, New Mexico, drawing the wellbore pressure down to approximately 25 inches of mercury.

(3) That the applicant is the only operator in said Shiprock Gallup Oil Pool.

(4) That Rule 307 of the Division Rules and Regulations reads in its entirety as follows:

"RULE 307. USE OF VACUUM PUMPS

Vacuum pumps or other devices shall not be used for the purpose of creating a partial vacuum in any stratum containing oil or gas."

-2-

Case No. 7671
Order No. R-7102

(5) That the prohibition against the use of vacuum pumps in an oil or gas reservoir is for the purpose of preventing the breaking out of solution of gases and light ends from the reservoir fluids, and the prevention of premature coning of water into the pay zone, thereby preventing reservoir waste.

(6) That the Shiprock Gallup Oil Pool is very shallow, the pay zone ranging in depth from 62 feet to 154 feet beneath the surface.

(7) That as a result of its shallow depth, there is very little pressure in the pay zone to cause the oil to migrate to the wellbore, and the oil contains little if any gas or light ends which might be adversely affected by the installation and operation of the proposed vacuum systems.

(8) That such installation and operation of the proposed vacuum systems will not impair correlative rights nor cause waste and should be approved.

(9) That an administrative procedure should be provided whereby additional wells may be approved for vacuum pump installation and operation.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texas Eastern Developments, Inc., is hereby authorized to install and operate the following vacuum systems in the Shiprock Gallup Oil Pool, San Juan County, New Mexico:

VACUUM SYSTEM NO.	WELLS NOS.	UNIT LETTER	SECTION
1	67	F	17
	78, 85 and 93	I	17
2	1, 2, 3, and 62	J	17
3	5, 44, and 46	I	17
	45	J	17
4	13, 21, 22, and 23	L	16

all in Township 29 North, Range 18 West, NMPM.

(2) That said vacuum systems shall be operated in such a manner as to draw approximately 25 inches of mercury at the wellbore-reservoir rock interface.

(3) That the Division Director shall have the authority to authorize the inclusion of additional wells to the above-described vacuum systems and to approve additional vacuum

-3-

Case No. 7671
Order No. R-7102

systems, and further, for good cause shown, to increase the allowed vacuum in the wellbore to less than 25 inches of mercury.

(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.



STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

Joe D. Ramey
JOE D. RAMEY,
Director

TEXAS 
EASTERN
Developments, Inc.

September 10, 1982

Mr. Joe D. Ramey
Oil Conservation Division Director
Energy & Minerals Department
P.O. Box 2088
Sante Fe, NM 87501

Dear Mr. Ramey:

This letter will confirm that effective this date, September 10, 1982, T. A. Valdes and W. C. Lyons were named as designated representatives of Texas Eastern Developments, Inc. in matters concerning the Shiprock/Navajo Leases.

Sincerely yours,



R. K. Dickinson
President

lam

cc: B. Groten
J. L. Hatten

*Copy
EX
CA 7671*



United States Department of the Interior

BUREAU OF INDIAN AFFAIRS

Navajo Area Office

P.O. Box "M"

Window Rock, Arizona 86515-0714

IN REPLY REFER TO:
ARPM/Minerals

JUL 16 1982

Mr. Clifford K. Atkinson
P.O. Box 2168
Albuquerque, New Mexico 87103-2168

Dear Mr. Atkinson:

Enclosed for your information and use are approved Assignment of Mining Lease documents for Navajo Tribal Oil and Gas Lease Nos. 14-20-603-1049 and -5036. The assignments are from Shiprock Oil and Gas Corporation to Texas Eastern Developments, Inc. and were approved by the Area Director on June 29, 1982.

Sincerely,

Area Director

ACTING

Enclosures

Apple ER 2
Co 7671

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

EVIDENCE OF AUTHORITY OF OFFICERS TO EXECUTE PAPERS

(To be sworn to by secretary or president of a corporation and sealed with its seal)

I solemnly swear that Jerry D Clayton and
Phyllis Jane Clayton were on the 23 day
of May, 1982, the duly elected, qualified, and acting president, and secretary,
respectively, of Shiprock Oil & Gas Corporation

a corporation organized under the laws of New Mexico on which day they
executed assignment of mining leases for and in behalf of said cor-
poration, covering certain Trust or Restricted Indian lands on the Navajo
Reservation, in the State of New Mexico; that they were fully empowered to execute said
instrument and all papers in connection therewith, and that their action in executing the same binds the
said corporation to full performance of all obligations thereunder.

Jerry D Clayton
Secretary

[CORPORATE SEAL]

(Title)

This 16 day of June, 1982

Subscribed and sworn to before me this 16 day of June, 1982

(Signed) *Jessie A. Nelson*
Notary Public
5-6-82

[SEAL]

(Title)

* Indicate whether lease, bond, or assignment.

RECEIVED

JUN 22 1982

AREA BRANCH OF

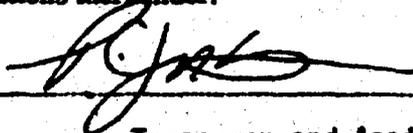
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

EVIDENCE OF AUTHORITY OF OFFICERS TO EXECUTE PAPERS

(To be sworn to by secretary or president of a corporation and sealed with its seal)

I solemnly swear that Barnet Groten and
R. C. Cunningham were on the _____ day
of _____, 19____, the duly elected, qualified, and vice president, and secretary,
respectively, of Texas Eastern Developments, Inc.

a corporation organized under the laws of State of Delaware on which day they
executed Oil and Gas and mining *Lease Assignment for and in behalf of said cor-
poration, covering certain Trust or Restricted Indian lands on the Navajo Reservation
Reservation, in the State of New Mexico; that they were fully empowered to execute said
instrument and all papers in connection therewith, and that their action in executing the same binds the
said corporation to full performance of all obligations thereunder.



Treasurer and Assistant Secretary
(Title)

[CORPORATE SEAL]

This 18th day of May, 19 82

Subscribed and sworn to before me this 19th day of May, 19 82

(Signed)

CAROL D. BOWDEN

Notary Public, State of Texas

My Commission Expires 3-11-85

(Title)

[SEAL]

* Indicate whether land, bond, or assignment.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

LEASE No.
CONTRACT No. 14-20-603-
5036

ASSIGNMENT OF MINING LEASE

WHEREAS, the Secretary of the Interior or his authorized representative has heretofore approved
..... an Oil and Gas mining lease, dated ..February...26....., 1959...
entered into by and between ...Paul Jones... Navajo Tribal Council....., lessor,
and ..Shell Oil Company....., lessee,
covering the following-described lands in the ..Navajo Nation.....
(Insert name of Reservation, Pueblo, Nation, etc., as needed)
in the State of ..New Mexico... County of San Juan, to wit:
..... S/2, Section 16, SE/4, NE/4 SW/4, Section 17, E/2 Section 20,
..... Section 21, Section 28, E/2, Section 29, T29N, R18W, N.M.P.M.
..... comprising 2,440 acres more or less, initially

Now, THEREFORE, for and in consideration of ..One (and other consideration)
..... dollars (\$1.00.....), the receipt of which is hereby acknowl-
edged, the said ..Shiprock Oil & Gas Corporation.....
the owner of the above-described lease, hereby bargains, sells, transfers, assigns, and conveys all of ..
its..... right, title, and interest in and to said lease,
subject only to certain reservations of overriding royalty as more
specifically provided for in the agreement between the parties.
subject to the approval of the Secretary of the Interior or his authorized representative to ..
..... Texas Eastern Developments, Inc., of P. O. Box 2521,
Houston, TX, 77252 Said assignment to be effective from date of approval hereby by the Secretary
of the Interior or his authorized representative.

IN WITNESS WHEREOF, the said assignor has hereunto set my hand and seal, this 18th
day of May, 1982

SHIPROCK OIL & GAS CORPORATION
by Jerry D. Clayton
Jerry D. Clayton, President

ACKNOWLEDGMENT OF CORPORATION

STATE OF New Mexico
COUNTY OF San Juan

Before me, a notary public, in and for said county and State on this 18th day of May, 1982 personally appeared: Jerry D. Clayton

to me known to be the identical person who subscribed the name of the maker thereof to the foregoing instrument as its President and acknowledged to me that he executed the same as his free and voluntary act and deed, and as the free and voluntary act and deed of such corporation, for the uses and purposes therein set forth.

My commission expires January 22, 1985 Notary Public.

ACKNOWLEDGMENT OF INDIVIDUAL

STATE OF
COUNTY OF

Before me, a notary public, in and for said county and State, on this day of personally appeared

to me known to be the identical person... who executed the within and foregoing instrument, and acknowledged to me that executed the same as free and voluntary act and deed for the uses and purposes therein set forth.

My commission expires Notary Public.

ACCEPTANCE BY ASSIGNEE

The assignee in the above and foregoing assignment, made subject to the approval of the Secretary of the Interior, hereby accepts such assignment and agrees to fulfill all the obligations, conditions, and stipulations in said described indenture of lease, when assigned, and the rules and regulations of the Secretary of the Interior applicable thereto, and to furnish proper bond guaranteeing a faithful compliance with said lease and this agreement.

IN WITNESS WHEREOF, the said assignee has hereunto set his hand and seal this 14 day of May, 1982

SUBSCRIBED AND SWORN to this 14 day of May 1982. Loraine Stratton

Executive Vice-President Texas Eastern Developments, Inc.

CONSENT OF SURETY

The My Commission Expires March 21, 1985, of on the bond accompanying the lease above described, hereby consents to the assignment and transfer of said lease as above made and agrees that said bond shall remain in force and effect covering obligations of assignee.

Dated at this day of 19

DEPARTMENT OF THE INTERIOR BUREAU OF INDIAN AFFAIRS JUN 29 1982 Thomas Lynch Acting Assistant Area Director

APPROVED:

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS

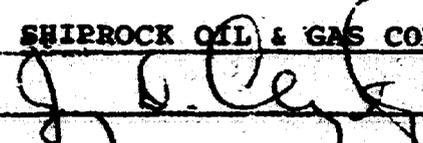
LEASE NO.
CONTRACT No. 14-20-603-
1049

ASSIGNMENT OF MINING LEASE

WHEREAS, the Secretary of the Interior or his authorized representative has heretofore approved
an Oil and Gas mining lease, dated August 5 1955,
entered into by and between Paul Jones, Chairman, Navajo Tribal Council, lessor,
and Humble Oil and Refining Company lessee,
covering the following-described lands in the Navajo Nation
(Insert name of Reservation, Pueblo, Nation, etc., as needed)
in the State of New Mexico, County of San Juan, to wit:
N/2, Section 16 and N/2, Section 17, of Township 29 North,
Range 18 West, N.M.P.M.

NOW, THEREFORE, for and in consideration of One (and other consideration)
dollars (\$1.00), the receipt of which is hereby acknowl-
edged, the said Shiprock Oil & Gas Corporation
the owner of the above-described lease, hereby bargains, sells, transfers, assigns, and conveys all
of its right, title, and interest in and to said lease,
subject only to certain reservations of overriding royalty as more
specifically provided for in the agreement between the parties.
subject to the approval of the Secretary of the Interior or his authorized representative to
Texas Eastern Developments, Inc. of P. O. Box 2521,
Houston, TX, 77252. Said assignment to be effective from date of approval hereby by the Secretary
of the Interior or his authorized representative.

IN WITNESS WHEREOF, the said assignor has hereunto set my hand and seal, this 18th
day of May, 19 82

SHIPROCK OIL & GAS CORPORATION
by 
Jerry H. Clayton, President

ACKNOWLEDGMENT OF CORPORATION

STATE OF New Mexico
COUNTY OF San Juan

Before me, a notary public, in and for said county and State on this 18th day of May, 1982 personally appeared Jerry D. Clayton to me known to be the identical person who subscribed the name of the maker thereof to the foregoing instrument as its President and acknowledged to me that he executed the same as his free and voluntary act and deed, and as the free and voluntary act and deed of such corporation, for the uses and purposes therein set forth.

My commission expires January 22, 1985 Notary Public.

ACKNOWLEDGMENT OF INDIVIDUAL

STATE OF
COUNTY OF

Before me, a notary public, in and for said county and State, on this day of 19 personally appeared to me known to be the identical person who executed the within and foregoing instrument, and acknowledged to me that executed the same as free and voluntary act and deed for the uses and purposes therein set forth.

My commission expires, 19 Notary Public.

ACCEPTANCE BY ASSIGNEE

The assignee in the above and foregoing assignment, made subject to the approval of the Secretary of the Interior, hereby accepts such assignment and agrees to fulfill all the obligations, conditions, and stipulations in said described indenture of lease, when assigned, and the rules and regulations of the Secretary of the Interior applicable thereto, and to furnish proper bond guaranteeing a faithful compliance with said lease and this agreement.

IN WITNESS WHEREOF, the said assignee has hereunto set his hand and seal this 14 day of May, 1982.

SUBSCRIBED AND SWORN to this 14 day of May 1982. Lorraine Stratton BORLAINE STRATTON Notary Public in Har's County for the State of Texas

Executive Vice-President Texas Eastern Developments, Inc.

CONSENT OF SURETY

The My Commission Expires March 31, 1985 of surety for

on the bond accompanying the lease above described, hereby consents to the assignment and transfer of said lease as above made and agrees that said bond shall remain in force and effect covering obligations of assignee.

Dated at this day of 19

APPROVED:

DEPARTMENT OF THE INTERIOR BUREAU OF INDIAN AFFAIRS JUN 29 1982 Acting Assistant Area Director

REPORT THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

*Appd Ex 3
ca 7681*

CASE NO. 45
Order No. 2

APPLICATION OF SHIPROCK
CORPORATION FOR A WATERFLOOD
PROJECT, SAN JUAN COUNTY,
NEW MEXICO.



ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on June 2, 1971, at Santa Fe, New Mexico, before Examiner Elvis A. Utz.

NOW, on this 29th day of June, 1971, the Commission, quorum being present, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Commission has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Shiprock Corporation, seeks authority to institute two waterflood projects in the Shiprock-Gallup Pool by the injection of water into the Gallup formation through five wells, located in Section 17, Township 29 North, Range 18 West, NMPM, San Juan County, New Mexico.
- (3) That the wells in the project areas are in an advanced state of depletion and should properly be classified as "stringer" wells.
- (4) That the proposed waterflood projects should result in the recovery of otherwise unrecoverable oil, thereby preventing waste.

(5) That the subject application should be approved and the projects should be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations.

IT IS THEREFORE ORDERED:

(1) That the applicant, Shiprock Corporation, is hereby authorized to institute the two following waterflood projects in the Shiprock-Gallup Pool by the injection of water into the Gallup formation through the following five wells located in Section 17, Township 29 North, Range 18 West, NMPM, San Juan County, New Mexico:

SHIPROCK NAVAJO H WATERFLOOD PROJECT

Injection Wells:

Navajo 17-H Well No. 75, located 2302 feet from the North line and 665 feet from the East line.

Navajo 17-H Well No. 93, located 2630 feet from the North line and 350 feet from the East line.

SHIPROCK NAVAJO I WATERFLOOD PROJECT

Injection Wells:

Shiprock Gallup 17-I Well No. 1, located 2310 feet from the South line and 330 feet from the East line.

Shiprock Gallup 17-I Well No. 4, located 1980 feet from the South line and 495 feet from the East line.

Shiprock Gallup 17-I Well No. 6, located 1650 feet from the South line and 330 feet from the East line.

(2) That the subject waterflood projects shall be governed by the provisions of Rules 701, 702, and 703 of the Commission Rules and Regulations;

(3) That monthly progress reports of the waterflood projects herein authorized shall be submitted to the Commission in accordance with Rules 704 and 1120 of the Commission Rules and Regulations.

-3-

CASE NO. 4545

Order No. A-4161

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

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

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION

BRUCE KING, Chairman

ALEX J. ARMIJO, Member

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

S E A L

dr/

TEXAS 
EASTERN
Developments, Inc.

July 28, 1982

Mr. Joe Ramey
Oil Conservation Division Director
Energy and Minerals Department
P.O. Box 2088
Sante Fe, NM 87501

Dear Mr. Ramey:

Texas Eastern Developments, Inc. would like to request a hearing granting an exception to Rule 307 to allow the installation of a vacuum system on sixteen wells (listed as "POW" on attachment) of the Shiprock Gallup Pool located in T29N R18W, Sec. 16 and 17 of San Juan County, New Mexico. We, also, request subsequent approval to add vacuum systems to non-producing wells, in order to initiate production following the required approval from the Commission.

Sincerely,



Lori Vander Boegh
Administrative Coordinator

lam

Attachment

cc: T. A. Valdes
F. Chavez

*appl Ex 5
Cs 7671*

TEXAS 
EASTERN
Developments, Inc.

July 28, 1982

Frank Chavez
Oil Conservation Division
Farmington District Office
Rio Brazos Road
Aztec, NM 87410

Dear Mr. Chavez:

Attached for your information is the request for vacuum system installation on the Shiprock/Navajo Lease submitted to the Commission.

Sincerely,



Lori Vander Boegh
Administrative Coordinator

lam

Attachment

Lease # 14-20-1049

67	Navajo	17 F (POW)
78	Navajo	17 G (POW)
93	Navajo	17 G (POW)
7	Navajo	17 H (WIW)
85	Navajo	17 H (POW)
97	Navajo	17 H (WIW)

Lease # 14-20-5036

"I" & "L"

"J" :

5	Shiprock	17 I (POW)
27	Shiprock	17 I (WIW)
30	Shiprock	17 I (WIW)
33	Shiprock	17 I (WIW)
34	Shiprock	17 I (WIW)
44	Shiprock	17 I (POW)
46	Shiprock	17 I (POW)

"L"

13	Shiprock	16 L (POW)
21	Shiprock	16 L (POW)
22	Shiprock	16 L (POW)
23	Shiprock	16 L (POW)

"J" & "K"

"J"

1	Shiprock	17 J (POW)
2	Shiprock	17 J (POW)
3	Shiprock	17 J (POW)
45	Shiprock	17 J (POW)
62	Shiprock	17 J (POW)

"K"

55	Shiprock	17 K (WIW)
66	Shiprock	17 K (WIW)

System 1

System 3 & 4

System 2

'81	NAVAJO O/W BlS	I&L O/W BlS	J&K O/W BlS
AUG*	110/	44/	58/
SEPT	139/8	78/137	41/13
OCT	181/3	119/102	51/2
NOV	138/8	116/328	40/5
DEC	155/4	135/220	22/4
'82			
JAN	239/4	84/218	18/8
FEB	170/1	88/276	9/12
MARCH	331/2	120/130	38/5
APRIL	267/4	111/172	62/4
MAY	229/0	104/177	29/0
JUNE	141/3	68/128	23/1
JULY	77/0	37/85	15/0
Year Cumulative	2177/34	1104/1973	446/53
Mos.* Average	181.4/3.1	92/179.4	38/4.8

*/ Water averages based on 11 months not 12 months - because data was not available for August '81.

Appx Ex 6
CA 7671

Texas Eastern Dev., Inc.

P.O. Box 2521 Houston, Texas

77001

August 1981

Page 1

WELL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RANG	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	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANSPORTER	TRANSPORTER	OTHER	C O D E
LEASE # 21-001049 NAVAJO CONTRACT, PRODUCTION NO. 8239																	
*NAVAJO 17 F																	
31F 17 29N 18W MOGL	P			155	22									23			45
71F 17 29N 18W M1GL	P														TWC		
*NAVAJO 17 G																	
27G 17 29N 18W MOGL	P																
53G 17 29N 18W M1GL	P																
55G 17 29N 18W M2GL	P																
57G 17 29N 18W M3GL	P																
71G 17 29N 18W M4GL	P																
73G 17 29N 18W M5GL	P													47		TWC	91
93G 17 29N 18W M7GL	P			310	44												
*NAVAJO 17 H																	
59H 17 29N 18W M1GL	P																
75H 17 29N 18W M2GL	P																
77H 17 29N 18W MOGL	P													47		TWC	91
93H 17 29N 18W M3GL	P																
LEASE TOTAL					175	110								117		TWC	227
LEASE # 21-005036 NAVAJO CONTRACT, PRODUCTION NO. 9407																	
*SHIPROCK I																	
X111 17 29N 18W M3GL	P																
21 I 17 29N 18W MOGL	P																
41 I 17 29N 18W M1GL	P																
6 I 17 29N 18W M2GL	P																
8 I 17 29N 18W M4GL	F																
X10I 17 29N 18W M5GL	P																
15 I 17 29N 18W M6GL	P																
17 I 17 29N 18W M7GL	P																

(CONTINUED - PAGE 2)

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STATUS CODE
 F.....FLOWING
 P.....PUMPING
 C.....GAS LIFE
 S.....SHUT IN
 A.....TEMP ABANDONED
 I.....INJECTION
 D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
 X.....USED OFF LEASE
 B.....USED FOR DRILLING/REPAIRS
 C.....GAS LIFE
 L.....LIFT
 S.....SEPARATION ATTACHED
 E.....EXPLANATION ATTACHED
 P.....PRESSURE MAINTENANCE
 V.....VENTED
 U.....USED ON LEASE

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

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

Jose A. Garcia

Secretary for the Farmington Office

Texas Eastern Developments, Inc. P.O. Box 2521 Houston, Texas

77001

AUGUST 81

Page

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
LEASE NAME - Include State Lease Number or Federal Lease Number																	
<u>SHIPROCK - GALLUP POOL</u>																	
<u>SHIPROCK I (CONTD.)</u>																	
661 17 29N 18W M8GL	P			620	33									41		TWC	7
<u>SHIPROCK L</u>																	
7L 17 29N 18W MOGL	P																
8L 17 29N 18W M2GL	P																
77L 17 29N 18W M1GL	P			186	11									13		TWC	24
LEASE TOTAL				806	44									54		TWC	98
<u>LEASE # 21-005036 NAVAJO CONTRACT, PRODUCTION NO. 9408</u>																	
<u>SHIPROCK J</u>																	
1 J 17 29N 18W MOGL	P																
2 J 17 29N 18W M1GL	P																
X3 J 17 29N 18W M7GL	P																
6 J 17 29N 18W M3GL	P																
10 J 17 29N 18W M5GL	P																
11 J 17 29N 18W M6GL	P																
15 J 17 29N 18W M8GL	P																
17 J 17 29N 18W M4GL	P																
31 J 17 29N 18W M9GL	P																
44 J 17 29N 18W M2GL	P			310	38									148		TWC	185
<u>SHIPROCK K</u>																	
5 K 17 29N 18W MOGL	P																
6 K 17 29N 18W M1GL	P																
7 K 17 29N 18W M2GL	P																
2 K 17 29N 18W M3GL	P			155	20									77		TWC	97
LEASE TOTAL				465	58									225		TWC	283
COMPANY TOTAL				2046	212									396		TWC	608

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SYSTEM CODE
F.....FLOWING
N.....USED OFF LEASE
P.....PUMPING
C.....CAS LIFE
G.....CAS LIFE
S.....SHUT IN
T.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
N.....USED OFF LEASE
C.....USED FOR DRILLING
L.....CAS LIFE
E.....LIFT (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.....LIFT
S.....SEDIMENTATION (OBEV)
E.....EXPLANATION ATTACHED

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

Handwritten Signature

Secretary for the Farmington Office

(Company or Operator) Texas Eastern Developments, Inc.

(Address)

(City) 77001

(Month, Year) September 1981 Page 1 of

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	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 END OF MONTH
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																		
<u>Shiprock Gallup:</u>																		
Indian Allotted Lease #14-20-603-1049																		
* Navajo 17F																		
67 Navajo 17F 29N 18W	P			150	29									45	38	TWC		34
* Navajo 17G																		
78 Navajo 17G 29N 18W	P																	
93 Navajo 17G 29N 18W	P			300	55									91	77	TWC		70
* Navajo 17H																		
7 Navajo 17H	P																	
85 Navajo 17H	P																	
97 Navajo 17H	P			300	55									91	77	TWC		70
LEASE TOTAL				750	139									227	192	TWC		174
<u>SHIPROCK GALLUP POOL</u>																		
<u>Shiprock I:</u>																		
Indian Allotted Lease #14-20-603-5036																		
* Shiprock I																		
5 Shiprock 17 I 29N 18W	P																	
27 Shiprock 17 I 29N 18W	P																	
30 Shiprock 17 I 29N 18W	P																	
33 Shiprock 17 I 29N 18W	P																	
34 Shiprock 17 I 29N 18W	P																	
44 Shiprock 17 I 29N 18W	P																	
46 Shiprock 17 I 29N 18W	P			600	60									75	126	TWC		9

(CONTINUED - PAGE 2)

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Revised 10-1-76

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

"OTHER" GAS DISPOSITION CODE
X.....USED OFF LEASE
Y.....USED FOR DRILLING
Z.....GAS LIFT
L.....LCST (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.....LCST
S.....SEDIMENTATION (BS&W)
E.....EXPLANATION ATTACHED

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

Administrative Coordinator

Lori Vander Boegh

AMENDED

(Company or Operator) Texas Eastern Developments, Inc.

(Address) P.O. Box 2521, Houston, Texas

(County) 77001

(Month Year) September 1981 Page 2 of 2

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	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
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																		
* Shiprock L																		
13	Shiprock 16L 29N 18W	P																
21	Shiprock 16L 29N 18W	P																
22	Shiprock 16L 29N 18W	P																
23	Shiprock 16L 29N 18W	P			180	18								23	38	TWC		3
LEASE TOTAL					780	78								98	164	TWC		12
* Shiprock J Indian Allotted Lease #14-20-603-5036 NAVAJO CONTRACT, PRODUCTION NO. 9408																		
1	Shiprock 17J 29N 18W	P																
2	Shiprock 17J 29N 18W	P																
3	Shiprock 17J 29N 18W	P																
45	Shiprock 17J 29N 18W	P																
62	Shiprock 17J 29N 18W	P			300	27								189	150	TWC		66
LEASE TOTAL:					450	41								283	225	TWC		99
COMPANY TOTAL:					1,980	258								608	581	TWC		285

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

"OTHER" GAS DISPOSITION CODE
R.....USED OFF LEASE
O.....USED FOR CRILLING
C.....GAS LIFT
L.....LIFT (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.....LCST
S.....SEDIMENTATION (BSCW)
E.....EXPLANATION ATTACHED

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

Lori Vander Boegh

Administrative Coordinator

Lori Vander Boegh

AMENDED

(Company or Operator) Texas Eastern Developments, Inc.

(Address) P.O. Box 2521, Houston, Texas

(City) 77001 (Month, Year) September 1981 Page 1 of 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	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		
Verde Gallup: Indian Allotted Lease # NOD-C-14-5337 Production No. 18231 TALL JIM #2 Unit D Sect. 1, T30N, R16W				30	16										29		TWC			45
TOTAL :				30	16										29		TWC			45

*LEASE NAME - Include State Land Lease Number or Federal Lease Number

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C.....GAS LIFT
S.....SHUT IN
T.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
X.....USED OFF LEASE
D.....USED FOR FILLING
L.....GAS LIFT
E.....LOST (HELP ESTIMATED)
E.....EXPLANATION ATTACHED
B.....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

Lori Vander Boegh

Administrative Coordinator

Lori Vander Boegh

(Company or Operator) Texas Eastern Developments, Inc.

(Address) P.O. Box 2521, Houston, TX

(City) 77001

(Month) October 1981 Page 1 of

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	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
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																	
<u>Shiprock Gallup:</u>																	
Indian Allotted Lease #14-20-603-1049																	
* Navajo 17F																	
67 Navajo 17F 29N 18W	P			155	37									34	36	TWC	35
* Navajo 17G																	
78 Navajo 17G 29N 18W	P																
93 Navajo 17G 29N 18W	P			310	72									70	74	TWC	68
* Navajo 17H																	
7 Navajo 17H	P																
85 Navajo 17H	P																
97 Navajo 17H	P			310	72									70	74	TWC	68
LEASE TOTAL				775	181									174	184	TWC	171
<u>SHIPROCK GALLUP POOL</u>																	
<u>Shiprock I:</u>																	
Indian Allotted Lease #14-20-603-5036																	
* Shiprock I																	
5 Shiprock 17 I 29N 18W	P																
27 Shiprock 17 I 29N 18W	P																
30 Shiprock 17 I 29N 18W	P																
33 Shiprock 17 I 29N 18W	P																
34 Shiprock 17 I 29N 18W	P																
44 Shiprock 17 I 29N 18W	P																
46 Shiprock 17 I 29N 18W	P			620	92									9		TWC	101

(CONTINUED - PAGE 2)

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D.....USED FOR DRILLING
L.....GAS LIFT
S.....SHUT IN
T.....TEMP ABANDONED
I.....INJECTION
O.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE

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

"OTHER" OIL DISPOSITION CODE

C.....CIRCULATING OIL
L.....LCST
S.....SEDIMENTATION (OSSEW)
E.....EXPLANATION ATTACHED

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

Lori Vander Does

Administrative Coordinator

Lori Vander Does

(Company or Operator) Texas Eastern Developments, Inc. (Address) P.O. Box 2521, Houston, Texas (City) 77001 (Month) October 1981 Page 2 of 2

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	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
<i>*LEASE NAME - Include State Land Lease Number or Federal Lease Number</i>																	
* Shiprock L																	
13 Shiprock 16L 29N 18W	P																
21 Shiprock 16L 29N 18W	P																
22 Shiprock 16L 29N 18W	P																
23 Shiprock 16L 29N 18W	P			186	27									3		TWC	30
LEASE TOTAL				806	119									12		TWC	131
<i>* Shiprock J Indian Allotted Lease #14-20-603-5036</i>																	
NAVAJO CONTRACT, PRODUCTION NO. 9408																	
1 Shiprock 17J 29N 18W	P																
2 Shiprock 17J 29N 18W	P																
3 Shiprock 17J 29N 18W	P																
45 Shiprock 17J 29N 18W	P																
62 Shiprock 17J 29N 18W	P			310	34									66		TWC	100
LEASE TOTAL:				465	51									99		TWC	150
<i>* Shiprock K</i>																	
65 Shiprock 17K 29N 18W	P																
66 Shiprock 17K 29N 18W	P																
LEASE TOTAL:				2046	351									285	184	TWC	452
COMPANY TOTAL:																	

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P.....PUMPING
G.....GAS LIFT
S.....SHUT IN
Y.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

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

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

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

Lori Vander Boegh
Administrative Coordinator

Lori Vander Boegh

(Company or Operator) Texas Eastern Developments, Inc.

(Address) P.O. Box 2521, Houston, Texas

(County) 77001

(Month) October 1981 Page 1 of 1

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RMC	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	C O D E
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																	
Verde Gallup: Indian Allotted Lease # NOD-C-14-5337 Production No. 18231																	
TALL JIM #2 Unit D Sect. 1, T30N, R16W				31	14									45		TWC	59
TOTAL :				31	14									45		TWC	59

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STATUS CODE

- F.....FLOWING
- P.....PUMPING
- C.....GAS LIFT
- S.....SHUT IN
- A.....TEMP ABANDONED
- I.....INJECTION
- D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE

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

"OTHER" OIL DISPOSITION CODE

- C.....CIRCULATING OIL
- L.....LOST
- E.....EXPLANATION ATTACHED

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

Lori Vander Boegh

Administrative Coordinator

Lori Vander Boegh

(Company or Operator) Texas Eastern Developments, Inc.

(Address) P. O. Box 2521, Houston, TX

(Zip) 77001

(Month, Year) November 1981 Page 1 of 2

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
*LEASE NAME - Includes State Land Lease Number or Federal Lease Number																
<u>Shiprock Gallup:</u>																
Indian Allotted Lease #14-20-603-1049																
* Navajo 17F																
67 Navajo 17F 29N 18W	P			150	26							35	37	TWC		24
* Navajo 17G																
78 Navajo 17G 29N 18W	P			300	56							68	75	TWC		49
93 Navajo 17G 29N 18W	P															
* Navajo 17H																
7 Navajo 17H	P															
85 Navajo 17H	P															
97 Navajo 17H	P			300	56							68	75	TWC		49
LEASE TOTAL				750	138							171	187	TWC		122
<u>SHIPROCK GALLUP POOL</u>																
<u>Shiprock I:</u>																
Indian Allotted Lease #14-20-603-5036																
* Shiprock I																
5 Shiprock 17 I 29N 18W	P															
27 Shiprock 17 I 29N 18W	P															
30 Shiprock 17 I 29N 18W	P															
33 Shiprock 17 I 29N 18W	P															
34 Shiprock 17 I 29N 18W	P															
44 Shiprock 17 I 29N 18W	P															
46 Shiprock 17 I 29N 18W	P			600	89							101	117	TWC		73

(CONTINUED - PAGE 2)

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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
B.....USED FOR BRILLING
C.....GAS LIFT
L.....LCST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

"OTHER" OIL DISPOSITION CODE

C.....CIRCULATING OIL
L.....LCST
S.....SEDIMENTATION (LOSS)
R.....EXPLANATION ATTACHED

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

Administrative Coordinator

Lori Vander Boegh

Texas Eastern Developments, Inc.

P.O. Box 2521, Houston, Texas

77001 November 1981 Page 2 of 2

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TYP 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-PORTER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	TRANS-PORTER	OTHER	C O D E
*LEASE NAME - (Include State Land Lease Number or Federal Lease Number)																	
* Shiprock L																	
13 Shiprock 16L 29N 18W	P																
21 Shiprock 16L 29N 18W	P																
22 Shiprock 16L 29N 18W	P																
23 Shiprock 16L 29N 18W	P			180	27								30	35	TWC		22
LEASE TOTAL				780	116								131	152	TWC		95
* Shiprock J Indian Allotted Lease #14-20-603-5036 NAVAJO CONTRACT, PRODUCTION NO. 9408																	
1 Shiprock 17J 29N 18W	P																
2 Shiprock 17J 29N 18W	P																
3 Shiprock 17J 29N 18W	P																
45 Shiprock 17J 29N 18W	P																
62 Shiprock 17J 29N 18W	P			300	26								100	-	TWC		126
LEASE TOTAL:				450	40								150	-	TWC		190
LEASE TOTAL:				1980	294								452	339	TWC		407
COMPANY TOTAL:																	

REVISIONS
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Form C-115
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STATUS CODE
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 P.....PUMPING
 G.....GAS LIFT
 S.....SHUT IN
 T.....TEMP ABANDONED
 I.....INJECTION
 D.....DISCONTINUED

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

OTHER OIL DISPOSITION CODE
 C.....CIRCULATING OIL
 L.....LCST
 S.....SEDIMENTATION (OSDN)
 E.....EXPLANATION ATTACHED

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

Lori Vander Roegh
 Administrative Coordinator

Lori Vander Roegh

(Company or Operator) **Texas Eastern Developments, Inc.** (Address) **P.O. Box 2521, Houston, Texas**

(County) **77001** (Month, Year) **November 1981** Page **1** of **1**

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP R16W	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	C O D E
Verde Gallup: Indian Allotted Lease # NOD-C-14-5337 Production No. 18231 TALL JIM #2 Unit D Sect. 1, T30N, R16W				30	15								59		TWC		74
TOTAL :				30	15								59		TWC		74

*LEASE NAME - Include State Land Lease Number or Federal Lease Number

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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
B.....USED FOR GRILLING
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 GEL
L.....LOST
D.....DOCUMENTATION (SEE#)
E.....EXPLANATION ATTACHED

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

Lori Vander Boegh

Administrative Coordinator

Lori Vander Boegh 12/15/81

(Company or Operator) Texas Eastern Developments, Inc.

(Address) P.O. Box 2527, Houston, TX

(City) 77001

(Month, Year) December 1981 Page 1 of 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	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
<i>PLEASE NAME - Include State Land Lease Number or Federal Lease Number</i>																	
Shiprock Gallup:																	
Indian Allotted Lease #14-20-603-1049																	
* Navajo 17F																	
67 Navajo 17F 29N 18W	P			155	31									24	40	TWC	15
* Navajo 17G																	
78 Navajo 17G 29N 18W	P			310	62									49	80	TWC	31
93 Navajo 17G 29N 18W	P																
* Navajo 17H																	
7 Navajo 17H	P																
85 Navajo 17H	P			310	62									49	80	TWC	31
97 Navajo 17H	P																
LEASE TOTAL				775	155									122	200	TWC	77
SHIPROCK GALLUP POOL																	
Shiprock I:																	
Indian Allotted Lease #14-20-603-5036																	
* Shiprock I																	
5 Shiprock 17 I 29N 18W	P																
27 Shiprock 17 I 29N 18W	P																
30 Shiprock 17 I 29N 18W	P																
33 Shiprock 17 I 29N 18W	P																
34 Shiprock 17 I 29N 18W	P																
44 Shiprock 17 I 29N 18W	P																
46 Shiprock 17 I 29N 18W	P			620	104									73	146	TWC	31

(CONTINUED - PAGE 2)

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STATUS CODE
P.....FLOWING
N.....USED OF LEASE
C.....USED FOR CAPPING
L.....GAS LIFT
S.....GAS LIFT
E.....STOP IN
D.....TEMP ABANDONED
I.....INJECTION
O.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
R.....USED OF LEASE
B.....USED FOR CAPPING
G.....GAS LIFT
L.....LCST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
D.....DEPRESSURE OR
P.....PRESSURE MAINTENANCE
V.....VENTED
O.....OTHER ON LEASE

"OTHER" OIL DISPOSITION CODE
C.....CIRCULATING OIL
L.....LCST
S.....SERVINATION (ESSE)
E.....EXPLANATION ATTACHED

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

Administrative Coordinator

Lori Vander Boeck

(Company Operator) Texas Eastern Developments, Inc. (Address)

P.O. Box 2521, Houston, Texas

(116) 7700

For (Month, Year) December 1981

Page 2 of

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	TRANS FOR-TER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	TRANS FOR-TER	OTHER	C O D E
*LEASE NAME - Include State Lease Number or Federal Lease Number																	
* Shiprock I																	
13	Shiprock 16L 29N 18W	P															
21	Shiprock 16L 29N 18W	P															
22	Shiprock 16L 29N 18W	P			186	31								22	44	TWC	9
23	Shiprock 16L 29N 18W	P															
LEASE TOTAL					806	135								95	190	TWC	40
* Shiprock J Indian Allotted Lease #14-20-603-5036 NAVAJO CONTRACT, PRODUCTION NO. 408																	
1	Shiprock 17J 29N 18W	P															
2	Shiprock 17J 29N 18W	P															
3	Shiprock 17J 29N 18W	P															
45	Shiprock 17J 29N 18W	P			310	15								126	126	TWC	15
62	Shiprock 17J 29N 18W	P															
LEASE TOTAL:					465	22								190	190	TWC	22
COMPANY TOTAL:					2046	312								407	580	TWC	139

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

"OTHER" GAS DISPOSITION CODE
K.....USED OFF LEASE
L.....USED FOR GRILLING
M.....GAS LIFT
N.....LOST (MCF ESTIMATED)
O.....EXPLANATION ATTACHED
P.....REPRESSURING OR
PRESSURE MAINTENANCE
Q.....VENTED
R.....USED ON LEASE

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

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

Lori Vander Boegh

Administrative Coordinator

Lori Vander Boegh

(Company or Operator) Texas Eastern Developments, Inc. (Address) P.O. Box 2521, Houston, Texas (City) 77001 (Month, Year) 1981 Page 1 of 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	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 END OF MONTH	
Verde Gallup: Indian Allotted Lease # NOD-C-14-5337 Production No. 18231																			
TALL JIM #2 Unit D Sect. 1, T30N, R16W				31	16										74		TWC		90
TOTAL :				31	16										74		TWC		90

*LEASE NAME - Include State Land Lease Number or Federal Lease Number

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STATUS CODE
P.....PLOWING
C.....PUMPING
S.....GAS LIFT
T.....SHUT IN
Y.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

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

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

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

Lori Vander Boegh

(Date)

Administrative Coordinator

Lori Vander Boegh

TEXAS EASTERN DEVELOPMENTS, INC.

P.O. Box 2521, Houston TX 77001

77001

January 1982

Page 1 of 2

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	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
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																		
<u>Shiprock Gallup:</u>																		
Indian Allotted Lease #14-20-603-1049																		
NAVAJO CONTRACT, PRODUCTION # 8239																		
67	* Navajo 17F Navajo 17F 29N 18W	P			155	49								15	38	TWC		26
78	* Navajo 17G Navajo 17G 29N 18W	P																
93	Navajo 17G 29N 18W	P			310	95								31	74	TWC		52
7	* Navajo 17H Navajo 17H 29N 18W	P																
85	Navajo 17H 29N 18W	P																
97	Navajo 17H 29N 18W	P			310	95								31	74	TWC		52
LEASE TOTAL					775	239								77	186	TWC		130
<u>SHIPROCK GALLUP POOL</u>																		
SHIPROCK I:																		
Indian Allotted Lease #14-20-603-5036																		
NAVAJO CONTRACT, PRODUCTION NO. 9407																		
5	* Shiprock I Shiprock 171 29N 18W	P																
27	Shiprock 171 29N 18W	P																
30	Shiprock 171 29N 18W	P																
33	Shiprock 171 29N 18W	P																

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STATUS CODE
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P.....PUMPING
C.....CAB LIFT
L.....LIFT
T.....TEMP ADJUSTED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
R.....USED OFF LEASE
S.....USED FOR SELLING
L.....LIFT
E.....EXPLANATION ATTACHED
P.....PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

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

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

Lori Vander Boegh

Administrative Coordinator

Lori Vander Boegh 2/18/82

(Company or Operator)

TEXAS EASTERN DEVELOPMENTS, INC.

(Address)

P.O. Box 2521, Houston, TX

77001

(Month Year)

January 1982 Page 2 of 2

POOL 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			OTHER	TRANSPORTER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANSPORTER	TRANSPORTER	OTHER	C O D E
(CONTINUED FROM PAGE 1)																	
34 Shiprock 17I 29N 18W	P																
44 Shiprock 17I 29N 18W	P																
46 Shiprock 17I 29N 18W	P			620	65								31		TWC		96
*Shiprock L																	
13 Shiprock 16L 29N 18W	P																
21 Shiprock 16L 29N 18W	P																
22 Shiprock 16L 29N 18W	P																
23 Shiprock 16L 29N 18W	P			186	19								9		TWC		28
LEASE TOTAL				806	84								40		TWC		124
*Shiprock J Indian Allotted Lease #14-20-603-5036 NAVAJO CONTRACT, PRODUCTION NO. 9408																	
1 Shiprock 17J 29N 18W	P																
2 Shiprock 17J 29N 18W	P																
3 Shiprock 17J 29N 18W	P																
45 Shiprock 17J 29N 18W	P																
62 Shiprock 17J 29N 18W	P			310	12								15		TWC		27
*Shiprock K																	
65 Shiprock 17K 29N 18W	P																
66 Shiprock 17K 29N 18W	P			155	6								7		TWC		13
LEASE TOTAL:				465	18								22		TWC		40
COMPANY TOTAL:				2046	341								139	186	TWC		294

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STATUS CODE
P.....FLOWING
C.....PUMPING
G.....GAS LIFT
S.....SURF IN
T.....TEMP. MONITORED
I.....INJECTION
O.....OTHER

"OTHER" GAS DISPOSITION CODE
E.....USED OFF LEASE
C.....USED FOR CHILLING/CAN
G.....GAS LIFT
L.....LEAKY (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
I.....INJECTION OR
P.....PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

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

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

Lori Vander Boegh

Administrative Coordinator

Lori Vander Boegh 2/10/82

TEXAS EASTERN DEVELOPMENTS, INC.

P.O. Box 2521, Houston TX 77001

77001

February 1982 Page 1 of 2

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	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANSPORTER	TRANSPORTER	OTHER	C O D E
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																	
<u>Shiprock Gallup:</u>																	
Indian Allotted Lease #14-20-603-1049																	
NAVAJO CONTRACT, PRODUCTION # 8239																	
67	P			140	34									26	42	TWC	18
* Navajo 17F																	
78	P																
93	P			280	68									52	84	TWC	36
* Navajo 17G																	
7	P																
85	P																
97	P			280	68									52	84	TWC	36
* Navajo 17H																	
LEASE TOTAL																	
700 170																	
130 210 TWC 90																	
SHIPROCK GALLUP POOL																	
TWC																	
<u>Shiprock I:</u>																	
Indian Allotted Lease #14-20-603-5036																	
NAVAJO CONTRACT, PRODUCTION NO. 9407																	
* Shiprock I																	
5	P																
27	P																
30	P																
33	P																

(CONTINUED ON PAGE 2)

DISPOSITION
ORIGINAL TO OCE SANTA FE
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STATUS CODE
P.....FLOWING
D.....PUMPING
L.....GAS LIFT
S.....SPUT IN
T.....TEMP ABANDONED
I.....INJECTION
O.....DISCONTINUED

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

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

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

Lori Vander Boegh

Administrative Coordinator

Lori Vander Boegh 3/23

TEXAS EASTERN DEVELOPMENTS, INC. P. O. Box 2521, Houston, TX 77001 February 1982 Page 2 of 2

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RANG	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
(CONTINUED FROM PAGE 1)																
34 Shiprock 17I 29N 18W	P															
44 Shiprock 17I 29N 18W	P															
46 Shiprock 17I 29N 18W	P			560	68							95	136	TWC		27
*Shiprock L																
13 Shiprock 16L 29N 18W	P															
21 Shiprock 16L 29N 18W	P															
22 Shiprock 16L 29N 18W	P															
23 Shiprock 16L 29N 18W	P			168	20							29	41	TWC		8
LEASE TOTAL						728	88					124	177	TWC		35
*Shiprock J Indian Allotted Lease #14-2U-603-5036 NAVAJO CONTRACT, PRODUCTION NO. 9408																
1 Shiprock 17J 29N 18W	P															
2 Shiprock 17J 29N 18W	P															
3 Shiprock 17J 29N 18W	P															
45 Shiprock 17J 29N 18W	P															
62 Shiprock 17J 29N 18W	P			280	6							27		TWC		33
*Shiprock K																
65 Shiprock 17K 29N 18W	P															
66 Shiprock 17K 29N 18W	P			140	3							13		TWC		16
LEASE TOTAL:						420	9					40		TWC		49
COMPANY TOTAL:						1848	267					294	387	TWC		174

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Form C-115
Revised 10-1-78

STATUS CODE
P.....FLOWING
F.....PUMP/PC
C.....GAS LIFT
S.....SHUT IN
T.....TEMP ABANDONED
I.....INJECTION
O.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
N.....USED OFF LEASE
O.....USED FOR CRILLING
C.....GAS LIFT
L.....LCST (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.....LCST
S.....SEDIMENTATION (OSSEU)
E.....EXPLANATION ATTACHED

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

Lori Vander Boegh

Administrative Coordinator

Lori Vander Boegh 3/23

TEXAS EASTERN DEVELOPMENTS, INC. (operator) P.O. Box 2521, Houston, TX (lease) 77001 February 1982 Page 1 of 1

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP R16W	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	C O I L E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANSPORTER	TRANSPORTER	OTHER
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																
<u>Verde Gallup:</u>																
Indian Allotted Lease # N00-C-14-5337 Production No. 18231																
Tall Jim #2																
Unit D																
Sect. 1, T30N, R16W																
TOTAL:																
				28	14								16		TWC	30
				28	14								16		TWC	30

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Form O-115
Revised 10-1-78

STATUS CODE
P.....PLOWING
D.....PUMPING
C.....GAS LIFT
S.....SUMP IN
T.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
A.....USED ON LEASE
D.....USED FOR DRILLING
L.....GAS LIFT
E.....LCS? (MCF ESTIMATED)
S.....EXPLANATION ATTACHED
R.....REPRESSURING OR
P.....PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

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

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

Lori Vander Boegh

Administrative Coordinator

Lori Vander Boegh 3/23

(Company or Operator) Texas Eastern Developments, Inc. (Address) P.O. Box 2521, Houston, Texas (Zip) 77001 (Month) March 1982 Page 1 of 2

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP R1G	WELL STATUS	INJECTION		TOTAL LIQUIDS PRODUCED			GAS PRODUCED (MCF)	DAYS PROD.	DISPOSITION OF GAS			DISPOSITION OF OIL															
		VOLUME	PRESS.	MONTHLY OIL ALLOWANCE	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									
PLEASE NAME - (Include State Land Lease Number or Federal Lease Number)																											
Shiprock Gallup:																											
Indian Allotted Lease #14-20-603-1049																											
*Navajo 17F																											
67 Navajo 17F 29N 18W	P			155	67									18	75	TWC		10									
*Navajo 17G																											
78 Navajo 17G 29N 18W	P																										
93 Navajo 17G 29N 18W	P			310	132									36	151	TWC		17									
*Navajo 17H																											
7 Navajo 17H	P																										
85 Navajo 17H	P																										
97 Navajo 17H	P			310	132									36	151	TWC		17									
LEASE TOTAL				775	331									90	317	TWC		44									
SHIPROCK GALLUP POOL																											
Shiprock I:																											
Indian Allotted Lease #14-20-603-5036																											
*Shiprock I																											
5 Shiprock 17I 29N 18W	P																										
27 Shiprock 17I 29N 18W	P																										
30 Shiprock 17I 29N 18W	P																										
33 Shiprock 17I 29N 18W	P																										

CONTINUED ON NEXT PAGE

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Form O-115
Revised 10-1-75

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

"OTHER" GAS DISPOSITION CODE
X.....USED OFF LEASE
D.....USED FOR DRILLING/SEAL
E.....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 (OSW)
E.....EXPLANATION ATTACHED

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

Lori Vander Boegh

Administrator Coordinator

Lori Vander Boegh

Texas Eastern Developments, Inc. P.O. Box 2521, Houston, Texas 77001 March 1982 Page 2 of 2

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RANG	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	CODE	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	TRANS-PORTER	OTHER	CODE	OIL ON HAND AT END OF MONTH	
*PLEASE NAME - Include State Land Lease Number or Federal Lease Number				CONTINUED FROM PAGE 1															
34 Shiprock 17I 29N 18W	P																		
44 Shiprock 17I 29N 18W	P																		
46 Shiprock 17I 29N 18W	P			620	92								27	94	TWC			25	
*Shiprock L																			
13 Shiprock 16L 29N 18W	P																		
21 Shiprock 16L 29N 18W	P																		
22 Shiprock 16L 29N 18W	P																		
23 Shiprock 16L 29N 18W	P			186	28								8	28	TWC			8	
LEASE TOTAL						806	120							35	122	TWC			33
*Shiprock J Indian Allotted Lease #14-20-603-5036				NAVAJO CONTRACT, PRODUCTION NO. 9408															
1 Shiprock 17J 29N 18W	P																		
2 Shiprock 17J 29N 18W	P																		
3 Shiprock 17J 29N 18W	P																		
45 Shiprock 17J 29N 18W	P																		
62 Shiprock 17J 29N 18W	P			310	25								33	48	TWC			10	
*Shiprock K																			
65 Shiprock 17K 29N 18W	P																		
66 Shiprock 17K 29N 18W	P			155	13								16	24	TWC			5	
LEASE TOTAL:						465	38							49	72	TWC			15
COMPANY TOTAL:						2046	489							174	571	TWC			92

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Form O-115
Revised 10-1-78

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

"OTHER" GAS DISPOSITION CODE
R.....USED OFF LEASE
B.....USED FOR BRILLING
L.....GAS LIFT
E.....LOST (MCF ESTIMATED)
X.....EXPLANATION ATTACHED
G.....GAS LIFT
V.....VENTED
U.....USED ON LEASE

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

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

Lori Vander Boegh
Administrative Coordinator

Lori Vander Boegh

(Company of Operator) Texas Eastern Developments, Inc. (Address) P.O. Box 2521 Houston, TX (Zip) 77001 (Date) April 1982 Page 2 of 2

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	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
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																	
22 Shiprock L 16 29N 18W	P			309	47	14							14	55			6
23 Shiprock L 16 29N 18W	P			4	1	33							0	1			0
Lease Total				728	111	286							33	131			13
Indian Allotted Lease #14-20-603-5036 "J&K" Battery Tank T29N,R18W,Sec. 17, Unit "J"																	
NAVAJO CONTRACT, PRODUCTION NO. 9408																	
1 Shiprock J 17 29N 18W	P			6	1	0							0	0			0
2 Shiprock J 17 29N 18W	P			49	7	1							2	0			9
3 Shiprock J 17 29N 18W	P			197	29	3							7	0			36
62 Shiprock J 17 29N 18W	P			168	25	1							6	0			31
Lease Total				420	62	5							15	0			77
COMPANY TOTAL				1848	440	295							92	380			152

DISTRIBUTION
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Form C-115
Revised 10-1-76

STATUS CODE
F.....FLOWING
P.....PUMPING
C.....CASP LIFT
S.....SPUT 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 (CODE)
E.....EXPLANATION ATTACHED

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

Lori Vander Boegh (713) 754-5472

Administrative Coordinator

Lori Vander Boegh 5/24/82

TEXAS EASTERN DEVELOPMENTS, INC.

P.O. Box 2521, Houston, TX

77001 April 1982 Page 1 of 1

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP R16W	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	C O D E
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																	
Verde Gallup: Indian Allotted Lease # NOO-C-14-5337 Production No. 18231																	
Tall Jim #2																	
Unit D																	
Sect. 1, T30N, R16W																	
TOTAL:																	
				30	15	0							46		TWC		61
				30	15	0							46		TWC		61

DISTRIBUTION
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Form C-135
Revised 10-1-78

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

"OTHER" GAS DISPOSITION CODE
N.....USED OFF LEASE
O.....USED FOR DRILLING
L.....GAS LIFT
E.....LOST (MCF ESTIMATED)
T.....EXPLANATION ATTACHED
B.....PRESSURIZING OR
P.....PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

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

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

Lori Vander Boegh (713) 759-5472

Administrative Coordinator

Lori Vander Boegh 5/24/82

AMENDED

Texas Eastern Developments, Inc.

(Address) P.O. Box 2521 Houston, TX

(Rate) 77001

(Date)

June 1982

Page 1

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RNS	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			SOLO	TRANS FOR-TER	OTHER	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	TRANS FOR-TER	OTHER	C O D E
*LEASE NAME - Include State Lead Lease Number or Federal Lease Number																	
<u>SHIPROCK GALLUP</u> Indian Allotted Lease #14-20-603-1049 Navajo Battery Tank T29N, R18W, Sec. 17, Unit "G"																	
67 Navajo F 17 29N 18W	P				25	0											17
78 Navajo G 17 29N 18W	P				41	0											28
93 Navajo G 17 29N 18W	P				41	0											28
85 Navajo H 17 29N 18W	P				34	3											23
Lease Total					141	3											96
<u>SHIPROCK GALLUP</u> Indian Allotted Lease #14-20-603-5036 "I&L" Battery Tank T29N, R18W, Sec. 17, Unit "I"																	
5 Shiprock I 17 29N 18W	P				0*	0											1
27 Shiprock I 17 29N 18W	I				0	0											0
30 Shiprock I 17 29N 18W	I				0	0											0
33 Shiprock I 17 29N 18W	I				0	0											0
34 Shiprock I 17 29N 18W	I				0	0											0
44 Shiprock I 17 29N 18W	P				8	4											13
46 Shiprock I 17 29N 18W	P				7	24											12
45 Shiprock I 17 29N 18W	P				23	1											37
13 Shiprock L 16 29N 18W	P				0*	34											1
21 Shiprock L 16 29N 18W	P				0*	49											2

DISPOSITION
ORIGINAL TO O&M SANTA FE
ONE COPY TO O&M DIST. OFFICE
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Form 1-105
Revised 10-1-78

STATUS CODE
F.....FLOWING
P.....PUMPING
S.....SHUT IN
G.....GAS LIFT
L.....LIFT (NOT ESTIMATED)
T.....TEMP ABANDONED
I.....INJECTION
D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
R.....USED FOR LEASE
D.....USED FOR DRILLING
L.....LOSS
E.....EXPLANATION ATTACHED
P.....PRESSURING OR
M.....PRESSURE MAINTENANCE
V.....VENTED
U.....USED ON LEASE

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

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

Lori Vander Beech (713) 759-5472

Administrative Coordinator

Lori Vander Beech 8/18/82

*Produced less than .5 bbls/mo.

Operator Texas Eastern Developments, Inc. (11417701) P.O. Box 2521 Houston, TX (11417701) June 1982 Page 2

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RNS	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	THRU POK-TER	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 END MONTH
*LEASE NAME - Include State Lease Number or Federal Lease Number																		
22 Shiprock L 16 29N 18W	P				30	12									50			80
23 Shiprock L 16 29N 18W	P				0*	4									1			1
Lease Total					68	128									117			185
<u>Indian Allotted Lease</u> #14-20-603-5036 "J&K" Battery Tank T29N, R18W, Sec. 17, Unit "J"				NAVAJO CONTRACT, PRODUCTION NO. 9408														
1 Shiprock J 17 29N 18W	P				0*	0									1			1
2 Shiprock J 17 29N 18W	P				3	0									12			15
3 Shiprock J 17 29N 18W	P				11	1									50			61
62 Shiprock J 17 29N 18W	P				9	0									43			52
Lease Total					23	1									106			129
COMPANY TOTAL					232	132									319			551

*Produced less than .5 bbls/mo.

REVISIONS
ORIGINAL TO THE STATE OF
ONE COPY TO THE OSSF, OFFICE
ONE COPY TO TRANSPORTATION

Form O-100
Revised 10-1-78

STATUS CODE
P.....Producing
D.....Dormant
S.....Shut In
L.....Lost
T.....Temporary
A.....Abandoned
I.....Inactive
O.....Other

"OTHER" GAS DISPOSITION CODE
E.....USED BY LEASEE
L.....USED FOR LUBRICATING OIL
S.....SOLVENT
O.....OTHER (LIST)
E.....ESTIMATED (EXPLAIN)
A.....ATTACHED (EXPLAIN)
I.....INJECTION
O.....OTHER (EXPLAIN)

"OTHER" OIL DISPOSITION CODE
C.....CIRCULATION OIL
L.....LOSS
S.....SEPARATION (EXPLAIN)
O.....OTHER (EXPLAIN)

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE
Lori Vander Boegh (713)759-5472

Administrative Coordinator

TEXAS EASTERN DEVELOPMENTS, INC.

P.O. Box 2521, Houston, TX

77001

June

1982

Page 1 of 1

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RME	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 B E	OIL ON HAND AT DEC. OF MONTH	BARRELS TO TRANS-PORTER	TRANS-PORTER	OTHER	C O B E
*LEASE NAME - (include State Lease Number or Federal Lease Number)																	
<u>Verde Gallup:</u>																	
Indian Allotted Lease # N00-C-14-5337 Production No. 18231																	
<u>Tall Jim #2</u>																	
Unit D																	
Sect. 1, T30N, R16W																	
				15	0								76		TWC		91
TOTAL:				15	0								76		TWC		91

REVISIONS
Original to the State of
New Mexico and the Dept. of Energy
and Minerals (10-1-80)

Form O-105
Revised 10-1-80

STATUS CODE
P.....PUMPING
D.....DRAINING
C.....CAG LIFT
S.....STOP IN
T.....TEMP ABANDONED
I.....INJECTION
O.....OILCANNING

"GAS" GAS DESCRIPTION CODE
1.....USED BY LEASE
2.....USED FOR DRILLING/CAG
3.....GAS LIFT
4.....LIFT (NOT ESTIMATED)
5.....EXPLANATION ATTACHED
6.....OPERATING ON
7.....PRESSURE MAINTENANCE
8.....UNITED
9.....USED ON LEASE

"OTHER" OIL LIQUIDATION CODE
1.....REGULATING OIL
2.....SECT
3.....SEDIMENTATION (SSO)S
4.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS
TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE
Lori Vander Boesch (713) 759-5472

Administrative Coordinator

Lori Vander Boesch 8/18/82

(Company or Operator) Texas Eastern Developments, Inc. (Address) P.O. Box 2521 Houston, TX (County) 77001 (Month, Year) July Page 2 of 2

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			OTHER	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 END OF MONTH				
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																						
22 Shiprock L 16 29N 18W	P				16	36									80	78						18
23 Shiprock L 16 29N 18W	P				0	1									1	1						0
Lease Total					37	85									185	180						42
<u>Indian Allotted Lease</u> #14-20-603-5036 "J&K" Battery Tank T29N,R18W,Sec. 17, Unit "J"				NAVAJO CONTRACT, PRODUCTION NO. 9408																		
1 Shiprock J 17 29N 18W	P				0	0									1							1
2 Shiprock J 17 29N 18W	P				2	0									15							17
3 Shiprock J 17 29N 18W	P				7	0									61							68
62 Shiprock J 17 29N 18W	P				6	0									52							58
Lease Total					15	0									129							144
COMPANY TOTAL					129	85									551							308

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

Form C-115
Revised 10-1-78

"OTHER" CODE
P.....PUMPING
D.....DRAINING
G.....GAS LIFT
S.....SHOT IN
T.....TEMP ABANDONED
I.....INJECTION
O.....DISCONTINUED

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

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

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

Lori Vander Boegh (713) 759-5472

Administrative Coordinator

Lori Vander Boegh 8/18/82

Texas Eastern Developments, Inc.

P.O. Box 2521 Houston, TX

77001

July 1982

Page 1 of 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	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 END OF MONTH				
LEASE NAME - Include State Lead Lease Number or Federal Lease Number																						
SHIPROCK GALLUP Indian Allotted Lease #14-20-603-1049 Navajo Battery Tank T29N, R18W, Sec. 17, Unit "G"																						
67 Navajo F 17 29N 18W	P				13	0									42	33						22
78 Navajo G 17 29N 18W	P				23	0									70	57						36
93 Navajo G 17 29N 18W	P				23	0									70	57						36
85 Navajo H 17 29N 18W	P				18	0									55	45						28
Lease Total					77	0									237	192						122
SHIPROCK GALLUP Indian Allotted Lease #14-20-603-5036 "I&L" Battery Tank T29N, R18W, Sec. 17, Unit "I"																						
5 Shiprock I 17 29N 18W	P				0	1									1	1						0
27 Shiprock I 17 29N 18W	I				0	0									0	0						0
30 Shiprock I 17 29N 18W	I				0	0									0	0						0
33 Shiprock I 17 29N 18W	I				0	0									0	0						0
34 Shiprock I 17 29N 18W	I				0	0									0	0						0
44 Shiprock I 17 29N 18W	P				4	9									21	20						5
46 Shiprock I 17 29N 18W	P				4	8									19	18						5
45 Shiprock I 17 29N 18W	P				12	27									60	58						14
13 Shiprock L 16 29N 18W	P				0	1									1	1						0
21 Shiprock L 16 29N 18W	P				1	2									2	3						0

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

"OTHER" GAS DISPOSITION CODE
 N.....USDO OFF LEASE
 O.....USED FOR CHILLING
 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.....SEGMENTATION (SSW)
 E.....EXPLANATION ATTACHED

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

Lori Vander Boegh

Administrative Coordinator

8/18/82

(Lessee or Operator) **TEXAS EASTERN DEVELOPMENTS, INC.** (Operator) P.O. Box 2521, Houston, TX (City) 77001 (County) July 1982 Page 1 of 1

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RMB	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	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANS-PORTER	TRANS FOR-TER	OTHER	C O D E
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																	
<u>Verde Gallup:</u> Indian Allotted Lease # NOO-C-14-5337 Production No. 18231																	
Tall Jim #2																	
Unit D																	
Sect. 1, T30N, R16W																	
TOTAL:																	
					17	0								91	90	TWC	18
					17	0								91	90	TWC	18

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

"OTHER" GAS DISPOSITION CODE
A.....USED OFF LEASE
B.....USED FOR DRILLING/TEST
C.....GAS LIFT
L.....LOST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
R.....REPRESSURING OR
P.....PRESSURE MAINTENANCE
U.....UNITED
O.....USED ON LEASE

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

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

Lori Vander Boegh (713) 759-5472

Administrative Coordinator

Lori Vander Boegh 8/18/82

Operator: Texas Eastern Developments, Inc.

Address: P.O. Box 2521 Houston, TX

Well No: 77001

For Month: August 1982 Page 1 of 1

POOL NAME (Underline) *Lease Name WELL NO UNIT SEC TWP RNG	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	C O D E	OIL ON HAND AT BEG. OF MONTH	BARRELS TO TRANSPORTER	TRANSPORTER	OTHER	C O D E
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																
SHIPROCK GALLUP																
Indian Allotted Lease																
#14-20-603-1049																
Navajo Battery Tank																
T29N, R18W, Sec. 17,																
Unit "G"																
67 Navajo F 17 29N 18W P				0	0							22	0			22
78 Navajo G 17 29N 18W P				0	0							36	0			36
93 Navajo G 17 29N 18W P				0	0							36	0			36
85 Navajo H 17 29N 18W P				0	0							28	0			28
Lease Total				0	0							122	0			122
SHIPROCK GALLUP																
Indian Allotted Lease																
#14-20-603-5036																
"I&L" Battery Tank																
T29N, R18W, Sec. 17,																
Unit "I"																
5 Shiprock I 17 29N 18W P				0	0							0				0
27 Shiprock I 17 29N 18W I				0	0							0				0
30 Shiprock I 17 29N 18W I				0	0							0				0
33 Shiprock I 17 29N 18W I				0	0							0				0
34 Shiprock I 17 29N 18W I				0	0							0				0
44 Shiprock I 17 29N 18W P				0	0							0				0
46 Shiprock I 17 29N 18W P				0	0							0				0
45 Shiprock I 17 29N 18W P				3	0							14				5
13 Shiprock L 16 29N 18W P				0	0							0				0
21 Shiprock L 16 29N 18W P				0	0							0				0

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STATUS CODE
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 C.....GAS LIFT
 S.....SHUT IN
 T.....TEMP ABANDONED
 I.....INJECTION
 D.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
 R.....USED OFF LEASE
 Q.....USED FOR CALLING
 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 (SSW)
 E.....EXPLANATION ATTACHED

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

Lori Vander Boegh (713) 759-5472

Administrative Coordinator

Lori Vander Boegh 9/8/82

(Company or Operator) Texas Eastern Developments, Inc. (Address) P.O. Box 2521 Houston, TX (City) 77001 (Month, Year) August 1982 Page 2

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	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 HAND END MONTH		
*LEAST NAME - Include State Land Lease Number or Federal Lease Number																				
22 Shiprock L 16 29N 18W	P				4	0									18					22
23 Shiprock L 16 29N 18W	P				0	0									0					0
<u>Lease Total</u>					7	0									42					49
<u>Indian Allotted Lease</u> #14-20-603-5036 "J&K" Battery Tank T29N,R18W,Sec. 17, Unit "J"				NAVAJO CONTRACT, PRODUCTION NO. 9408																
1 Shiprock J 17 29N 18W	P				0	0									1					1
2 Shiprock J 17 29N 18W	P				0	0									17					17
3 Shiprock J 17 29N 18W	P				1	0									68					69
62 Shiprock J 17 29N 18W	P				1	0									58					59
<u>Lease Total</u>					2	0									144					146
COMPANY TOTAL					9	0									308					317

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Revised 10-1-78

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

"OTHER" GAS DISPOSITION CODE
K.....USED OFF LEASE
D.....USED FOR DRILLING
G.....GAS LIFT
L.....LCST (MCF ESTIMATED)
E.....EXPLANATION ATTACHED
R.....PRESSURING OR
V.....VENTED
U.....USED ON LEASE

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

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE
Lori Vander Boegh (713) 759-5472

Administrative Coordinator

Lori Vander Boegh 9/18/82

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OPERATOR'S MONTHLY REPORT

OIL CONSERVATION DIVISION
P. O. BOX 3088
SANTA FE, NEW MEXICO 87501

Operator: **TEXAS EASTERN DEVELOPMENTS, INC.** (Address) **P.O. Box 2521, Houston, TX 77001** (City, State, Zip) **August 1982** Page **1** of **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	PRSS.	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
*LEASE NAME - Include State Land Lease Number or Federal Lease Number																
<u>Verde Gallup:</u>																
Indian Allotted Lease # N00-C-14-5337 Production No. 18231																
Tall Jim #2																
Unit D																
Sect. 1, T30N, R16W																
TOTAL:																
					14	0							18		TWC	32
					14	0							18		TWC	32

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P.....PUMPING
C.....CASH LEASE
S.....SHUT IN
I.....TEMP ABANDONED
J.....INJECTION
O.....DISCONTINUED

"OTHER" GAS DISPOSITION CODE
N.....USED OFF LEASE
D.....USED FOR DRILLING
G.....GAS LIFT
L.....LIFT (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.....LIFT
S.....SEDIMENTATION (OBSV)
E.....EXPLANATION ATTACHED

I HEREBY CERTIFY THAT THE INFORMATION GIVEN IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE
Lori Vander Boegh (713) 759-5472

Administrative Coordinator

Lori Vander Boegh 9/8/82

Dockets Nos. 31-82 and 32-82 are tentatively set for September 29 and October 13, 1982. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING WEDNESDAY-SEPTEMBER 15, 1982

9 A.M. - MORGAN HALL, STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO

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

- ALLOWABLE:** (1) Consideration of the allowable production of gas for October, 1982, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
- (2) Consideration of the allowable production of gas for October, 1982, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.

CASE 7638: (Continued and Readvertised)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Cibola Energy Corporation, American Employers Insurance Company and all other interested parties to appear and show cause why the Simms Ranch Well No. 1, located in Unit N, Section 9, the Clyde Berlier Well No. 1, located in Unit K and the Clyde Berlier Well No. 2, located in Unit F, both in Section 21, the Mora Ranch Well No. 3 located in Unit M and the Mora Ranch Well No. 4, located in Unit M, both in Section 5, all in Township 21 North, Range 21 East, Mora County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 7637: (Continued from August 18, 1982, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit R.A.F. Enterprises, Fireman's Fund Insurance Company and all other interested parties to appear and show cause why the Shaw Well No. 1, located in Unit M, Section 18, Township 4 North, Range 8 East, Torrance County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 7635: (Continued from September 1, 1982, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit CO₂-in-Action, Travelers Indemnity and all other interested parties to appear and show cause why the Trigg Well No. 3 located in Unit J, Section 25, Township 15 North, Range 28 East, San Miguel County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 7636: (Continued from September 1, 1982, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit CO₂-in-Action, Travelers Indemnity and all other interested parties to appear and show cause why the Amistad No. 1 located in Unit E of Section 18, and the Amistad No. 2 located in Unit D of Section 7, both in Township 19 North, Range 36 East, Union County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 7673: Application of Yates Petroleum Corporation for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Almost Texas Unit Area, comprising 3,840 acres, more or less, of State and Federal lands in Township 26 South, Range 31 East.

CASE 7664: (Continued from September 1, 1982, Examiner Hearing)

Application of Yates Petroleum Corporation for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Little Cuevo Unit Area, comprising 13,407 acres, more or less, of State and Fee lands in Township 17 South, Range 18 East.

CASE 7674: Application of Trican Energy, Inc. for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Javalina Basin Unit Area, comprising 3,840 acres, more or less, of State and Federal lands in Township 25 South, Range 34 East.

CASE 7675: Application of Texaco Inc. for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Justis Blinbry, Justis Tubb-Drinkard, and Justis Devonian production in the wellbore of its G. L. Erwin "A" Federal Well No. 2 located in Unit K, Section 35, Township 24 South, Range 37 East.

- CASE 7676: Application of Tenneco Oil Company for salt water disposal, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the Delaware formation in the perforated interval from 4970 feet to 4982 feet in its Jennings Fed. Well No. 3 located in Unit B of Section 14, Township 24 South, Range 32 East.
- CASE 7677: Application of Anadarko Production Company for a waterflood expansion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to expand its Teas Yates Waterflood Project by converting two wells located in Unit F of Sections 13 and 14, Township 27 South, Range 33 East and drilling three new injection wells at unorthodox locations in Units M of Section 11 and Unit L of Section 13, Township 20 South, Range 33 East, and Unit E of Section 18, Township 20 South, Range 34 East.
- CASE 7678: Application of Phillips Petroleum Company for a pressure maintenance project, Lea County, New Mexico. Applicant in the above-styled cause, seeks authority to institute a pressure maintenance project in the Vacuum Grayburg-San Andres Pool by the injection of water into the Grayburg San Andres formation through eight injection wells to be drilled at unorthodox locations in Section 35, Township 17 South, Range 34 East, as follows: 2630 feet from the South line and 1330 feet from the West line; 2630 feet from the South and West lines; 2630 feet from the South line and 1330 feet from the East line; 1310 feet from the South line and 1330 feet from the West line; 1310 feet from the South line and 10 feet from the East line; 10 feet from the South line and 1310 feet from the East line; 1330 feet from the North line and 1310 feet from the West line; and 1330 feet from the North line and 10 feet from the West line. Applicant also proposes two production wells at unorthodox locations in said Section 35 as follows: 1310 feet from the South line and 2530 feet from the East line and 1310 feet from the South and East lines.
- CASE 7630: (Continued from September 1, 1982, Examiner Hearing - This Case will be Dismissed)
Application of Ralph Nix for an oil treating plant permit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority for the construction and operation of an oil treating plant for the purpose of treating and reclaiming sediment oil at a site in the SW/4 NE/4 of Section 18, Township 19 South, Range 26 East.
- CASE 7671: (Continued from September 1, 1982, Examiner Hearing)
Application of Texas Eastern Developments, Inc. for an exception to Rule 307, San Juan County, New Mexico. Applicant in the above-styled cause, seeks an exception to Rule 307 of the Division Rules and Regulations to permit it to draw a vacuum on the Shiprock Gallup Oil Pool reservoir through 16 wells in Sections 16 and 17, Township 29 North, Range 18 West. Applicant further seeks an administrative procedure whereby it could extend the proposed vacuum system to include additional wells in the same reservoir.
- CASE 7679: Application of C & K Petroleum, Inc. for the amendment of Order No. R-4857-A and for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Division Order No. R-4857-A to provide that the lands pooled by said order shall be the W/2 SE/4 of Section 27, Township 16 South, Range 37 East, dedicated to its Ship 27 Well No. 2 located in Unit O in said Section 27. Applicant further seeks an order pooling all mineral interests in the Pennsylvanian formation underlying the E/2 SE/4 of the aforesaid Section 27, to be dedicated to a well to be drilled in Unit P of said Section 27. 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 7680: Application of Unichem International, Inc. for an exception to Order No. R-3221, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Order No. R-3221 to permit the commercial disposal of produced brine into several unlined surface pits located in Section 11, Township 23 South, Range 29 East.
- CASE 7681: Application of Cibola Energy Corporation for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of an Ordovician gas well to be drilled 330 feet from the North line and 990 feet from the East line of Section 13, Township 9 South, Range 27 East, the E/2 of said Section 13 to be dedicated to the well.

CASE 7682: Application of Cibola Energy Corporation for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Mississippian gas well drilled 330 feet from the North line and 330 feet from the West line of Section 34, Township 11 South, Range 28 East, the W/2 of said Section 34 to be dedicated to the well.

CASE 7683: 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 Gallup formation underlying the E/2 SE/4 of Section 12, Township 29 North, Range 15 West, to be dedicated to a well 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 7684: Application of R. E. Lauritsen for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Gallup and Dakots formations underlying the W/2 of Section 11, Township 29 North, Range 15 West, 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 7685: Application of Cimarron Energy Corporation for an unorthodox location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Pennsylvanian test to be drilled 1980 feet from the South line and 660 feet from the West line of Section 34, Township 22 South, Range 28 East, the S/2 of said Section 34 to be dedicated to the well.

CASES 7528 and 7529: (Continued and Readvertised)

Application of Jack J. Grynberg for compulsory pooling, Chaves County, New Mexico. Applicant, in each of the following two cases, seeks an order pooling all mineral interests down through the Abo formation underlying the lands specified in each case, each to form a standard 160-acre gas spacing and proration unit to be dedicated to a well to be drilled at a standard location thereon. Also to be considered in each case will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells and a charge for risk involved in drilling said wells:

CASE 7528: NW/4 Section 4, Township 5 South, Range 24 East

CASE 7529: NE/4 Section 4, Township 5 South, Range 24 East

(Continued from September 1, 1982, Examiner Hearing)

CASES 7666, 7667, 7668, and 7669: Application of Yates Petroleum Corporation for compulsory pooling, Chaves County, New Mexico. Applicant, in each of the four following cases, seeks an order pooling all mineral interests down through the Abo formation underlying the lands specified in each case, each to form a standard 160-acre gas spacing and proration unit to be dedicated to a well to be drilled at a standard location thereon. Also to be considered in each case will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells and a charge for risk involved in drilling said wells:

CASE 7666: SW/4 Section 3;

CASE 7667: NW/4 Section 4;

CASE 7668: NW/4 Section 14;

All of the above being in Township 5 South, Range 24 East and

CASE 7669: NW/4 Section 2, Township 9 South, Range 25 East.

CASE 7670: (Continued from September 1, 1982, Examiner Hearing)

Application of Yates Petroleum Corporation for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying the N/2 of Section 26, Township 14 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 7652: (Continued from August 18, 1982, Examiner Hearing)

Application of Conoco Inc. for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Cisco formation underlying all of partial Sections 34 and 35, Township 20 1/2 South, Range 23 East, underlying a previously approved 688-acre non-standard proration unit, to be dedicated to a well at a previously approved unorthodox location which is to be re-entered. Also to be considered will be the cost of re-entering 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 re-entering said well.

CASE 7672: (Continued from September 1, 1982, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating, assigning discovery allowable, contracting, and extending certain pools in Chaves, Eddy, Lea and Roosevelt Counties, New Mexico:

- (a) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Brushy Canyon production and designated as the Brushy Draw-Brushy Canyon Pool. Further, to assign approximately 25,410 barrels of discovery allowable to the discovery well, the J. C. Williamson UCBHWW Federal Well No. 1 located in Unit M of Section 25, Township 26 South, Range 29 East, NMPM. Said pool would comprise:

TOWNSHIP 26 SOUTH, RANGE 29 EAST, NMPM
Section 25: SW/4

- (b) CREATE a new pool in Lea County, New Mexico classified as an oil pool for San Andres production and designated as the Hobbs Channel-San Andres Pool. The discovery well is the Bass Enterprises Production Company Humble City Unit Well No. 1 located in Unit D of Section 36, Township 17 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 37 EAST, NMPM
Section 36: NW/4

- (c) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the Humpreys Mill-Morrow Gas Pool. The discovery well is the Florida Exploration Company Reno Com Well No. 1 located in Unit D of Section 11, Township 25 South, Range 35 East, NMPM. Said pool would comprise:

TOWNSHIP 25 SOUTH, RANGE 35 EAST, NMPM
Section 11: N/2

- (d) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Abo production and designated as the Justis-Abo Pool. The discovery well is the Santa Fe Energy Company Carlson B-25 Federal Well No. 3 located in Unit O of Section 25, Township 25 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
Section 25: SE/4

- (e) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Upper Pennsylvanian production and designated as the McMillan-Upper Pennsylvanian Gas Pool. The discovery well is the Southland Royalty Company Pecos River Federal 20 Com Well No. 1 located in Unit J of Section 20, Township 19 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 27 EAST, NMPM
Section 20: E/2

- (f) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Mosley Canyon-Strawn Gas Pool. The discovery well is W. A. Moncrief, Jr., Jurnegan State Well No. 1 located in Unit C of Section 8, Township 24 South, Range 25 East, NMPM. Said pool would comprise:

TOWNSHIP 24 SOUTH, RANGE 25 EAST, NMPM
Section 8: W/2

- (g) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Tubb production and designated as the West Nadine-Tubb Pool. The discovery well is the Tamarack Petroleum Company, Inc. Kornegay A Well No. 1 located in Unit F of Section 9, Township 20 South, Range 38 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM
Section 9: NW/4

- (h) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the Pitchfork Ranch-Morrow Gas Pool. The discovery well is the HNG Oil Company Madera 32 State Com Well No. 1 located in Unit C of Section 32, Township 24 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 24 SOUTH, RANGE 34 EAST, NMPM
Section 32: N/2

- (i) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Yeso production and designated as the Seven Rivers-Yeso Pool. The discovery well is Chama Petroleum Corporation Irami Federal Well No. 1 located in Unit N of Section 34, Township 19 South, Range 25 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
Section 34: SW/4

- (j) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Abo production and designated as the East Skaggs-Abo Pool. The discovery well is the Texaco Inc. Ch. H. Weir A Well No. 12 located in Unit G of Section 12, Township 20 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 12: NE/4

- (k) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Tubb production and designated as the Teague-Tubb Pool. The discovery well is the Alpha Twenty-One Production Company Lea Well No. 2 located in Unit A of Section 17, Township 23 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
Section 17: NE/4

- (l) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production and designated as the Townsend-Devonian Pool. The discovery well is the Kimbark Oil and Gas Company New Mexico 1-4 State Com Well No. 1 located in Unit N of Section 4, Township 16 South, Range 35 East, NMPM. Said pool would comprise:

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM
Section 4: Lots 11, 12, 13, and 14

- (m) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Bone Spring production and designated as the Welch-Bone Spring Pool. The discovery well is the Quanah Petroleum, Inc. Hay B Federal Com Well No. 1 located in Unit K of Section 9, Township 26 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 26 SOUTH, RANGE 27 EAST, NMPM
Section 9: SW/4

- (n) CONTRACT the horizontal limits of the Buckeye-Abo Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM
Section 3: W/2 NW/4

Examiner Hearing - WEDNESDAY - SEPTEMBER 15, 1982

- (o) CONTRACT the horizontal limits of the Vacuum-Abo Reef Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM
Section 3: E/2 NW/4

- (p) EXTEND the Antelope Sink-Upper Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 23 EAST, NMPM
Section 13: N/2
Section 14: N/2

- (q) EXTEND the West Arkansas Junction-San Andres Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 36 EAST, NMPM
Section 20: NW/4

- (r) EXTEND the Atoka-Yaso Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
Section 26: E/2

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

TOWNSHIP 22 SOUTH, RANGE 32 EAST, NMPM
Section 5: NW/4
Section 6: E/2

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

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM
Section 14: N/2 S/2 and NE/4

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

TOWNSHIP 20 SOUTH, RANGE 25 EAST, NMPM
Section 3: S/2
Section 4: All

- (v) EXTEND the Comanche Stateline Tansill-Yates-Seven Rivers-Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 26 SOUTH, RANGE 36 EAST, NMPM
Section 26: NW/4
Section 27: NE/4 and E/2 NW/4

- (w) EXTEND the South Empire-Morrow Gas Pool in Eddy County, New Mexico to include therein:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 35: S/2
Section 36: W/2

- (x) EXTEND the South Empire-Wolfcamp Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 36: E/2 NE/4

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
Section 31: NW/4 and S/2 NE/4

- (y) EXTEND the Forty Niner Ridge-Bone Spring Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 30 EAST, NMPM
Section 16: SE/4

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

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
Section 2: Lots 11, 12, 13, 14, and S/2
Section 11: NW/4

- (aa) EXTEND the Northeast Lovington-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 37 EAST, NMPM
Section 20: NW/4

- (bb) EXTEND the West Milnesand-Pennsylvanian Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM
Section 19: W/2

- (cc) EXTEND the South Peterson-Pennsylvanian Associated Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 5 SOUTH, RANGE 33 EAST, NMPM
Section 30: SR/4
Section 31: N/2 NE/4

TOWNSHIP 6 SOUTH, RANGE 33 EAST, NMPM
Section 15: S/2

- (dd) EXTEND the Race Track-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 28 EAST, NMPM
Section 18: NE/4 and S/2 SR/4

- (ee) EXTEND the Ross Draw-Wolfcamp Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 26 SOUTH, RANGE 30 EAST, NMPM
Section 23: S/2
Section 26: N/2

- (ff) EXTEND the West Sand Dunes-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM
Section 17: S/2
Section 20: All

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

TOWNSHIP 14 SOUTH, RANGE 33 EAST, NMPM
Section 21: NE/4

DOCKET: COMMISSION HEARING - WEDNESDAY - SEPTEMBER 22, 1982

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

The following cases were continued from the August 26, 1982, Commission Hearing:

CASE 7656: Application of Cities Service Company for determination of reasonable well costs, Lea County, New Mexico. Applicant, in the above-styled cause, pursuant to the provisions of Section 70-2-17 C, NMSA, 1978 Comp., and Paragraph (5) of Division Order No. R-6781, seeks a determination of reasonable well costs for two wells drilled under the provisions of said Order No. R-6781 by Doyle Hartman on lands pooled by said order.

CASE 7657: Application of Harvey E. Yates Company for non-rescission of Order No. R-6873, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks the non-rescission of Order No. R-6873, which order pooled certain lands to be dedicated to a proposed Ordovician test well to be drilled thereon, being the W/2 of Section 18, Township 9 South, Range 27 East. Said order provided that should the unit well not be drilled to completion, or abandonment, within 120 days after commencement thereof, operator shall appear and show cause why the pooling order should not be rescinded.

CASE 7658: (Readvertised)

Application of Harvey E. Yates Company for a dual completion and downhole commingling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Seymour State No. 1 located in Section 18, Township 9 South, Range 27 East, in such a manner that Aho perforations from 4912 feet to 4929 feet would be commingled with Upper Atoka perforations from 5926 feet to 5952 feet and the aforesaid intervals dually completed with Lower Atoka perforations from 6008 feet to 6048 feet and produced through parallel strings of tubing.

Dockets Nos. 29-82 and 30-82 are tentatively set for September 15 and September 29, 1982. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: COMMISSION HEARING - THURSDAY - AUGUST 26, 1982

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

- CASE 7656: Application of Cities Service Company for determination of reasonable well costs, Lea County, New Mexico. Applicant, in the above-styled cause, pursuant to the provisions of Section 70-2-17 C, NMSA, 1978 Comp., and Paragraph (5) of Division Order No. R-6781, seeks a determination of reasonable well costs for two wells drilled under the provisions of said Order No. R-6781 by Doyle Hartman on lands pooled by said order.
- CASE 7657: Application of Harvey E. Yates Company for non-rescission of Order No. R-6873, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks the non-rescission of Order No. R-6873, which order pooled certain lands to be dedicated to a proposed Ordovician test well to be drilled thereon, being the W/2 of Section 18, Township 9 South, Range 27 East. Said order provided that should the unit well not be drilled to completion, or abandonment, within 120 days after commencement thereof, operator shall appear and show cause why the pooling order should not be rescinded.
- CASE 7658: Application of Harvey E. Yates Company for a dual completion and downhole commingling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Seymour State #1 located in Section 18, Township 9 South, Range 27 East, in such a manner that Abo perforations from 4912 feet to 4929 feet would be commingled with Upper Atoka perforations from 5926 feet to 5952 feet and the aforesaid intervals dually completed with Lower Atoka perforations from 6008 feet to 6048 feet and produced through parallel strings of tubing.

Docket No. 28-82

DOCKET: EXAMINER HEARING - WEDNESDAY - SEPTEMBER 1, 1982

OIL CONSERVATION DIVISION - 9 A.M., MORGAN HALL,
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:

CASE 7635: (Continued from August 18, 1982, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit CO₂-In-Action, Travelers Indemnity and all other interested parties to appear and show cause why the Trigg Well No. 3 located in Unit J, Section 25, Township 15 North, Range 28 East, San Miguel County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 7636: (Continued from August 18, 1982, Examiner Hearing)

In the matter of the hearing called by the Oil Conservation Division on its own motion to permit CO₂-In-Action, Travelers Indemnity and all other interested parties to appear and show cause why the Amistad No. 1 located in Unit E of Section 18, and the Amistad No. 2 located in Unit D of Section 7, both in Township 19 North, Range 36 East, Union County, should not be plugged and abandoned in accordance with a Division-approved plugging program.

CASE 7659: Application of Sun Exploration and Production Company for an unorthodox gas well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of a Pennsylvanian gas well drilled 660 feet from the North and West lines of Section 21, Township 7 South, Range 26 East, the W/2 of said Section 21 to be dedicated to the well.

CASE 7660: Application of Pauley Petroleum, Inc. for salt water disposal, Roosevelt County, New Mexico. Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation in the perforated interval from 3862 feet to 3874 feet in its State Well No. 1 located in Unit B of Section 16, Township 7 South, Range 33 East.

CASE 7661: Application of George Sardella and Gary Plemons for an oil treating plant permit, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority for the construction and operation of an oil treating plant for the purpose of treating and reclaiming sediment oil at a site in the NW/4 NE/4 of Section 33, Township 16 South, Range 33 East.

CASE 7630: (Continued from August 4, 1982, Examiner Hearing)

Application of Ralph Nix for an oil treating plant permit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks authority for the construction and operation of an oil treating plant for the purpose of treating and reclaiming sediment oil at a site in the SW/4 NE/4 of Section 18, Township 19 South, Range 26 East.

CASE 7662: Application of Carter Foundation Production Company for a waterflood project, Lea County, New Mexico. Applicant, in the above-styled cause, seeks authority to expand its Blina-Cade Waterflood Project by converting its Mattix Federal Wells Nos. 2, 5, 6, located in Units C, E, and D, respectively, in Section 3, Township 24 South, Range 37 East, by the injection of water into the Queen formation.

CASE 7639: (Continued from August 18, 1982 Examiner Hearing)

Application of Acoma Oil Corporation for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Wantz Abo, Drinkard and Blinsbry Pool production in the wellbore of its S. J. Starkeys Lease Well No. 2, located in Unit B of Section 26, Township 21 South, Range 37 East.

CASE 7663: Application of Dugan Production Corporation for compulsory pooling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the S/2 of Section 18, Township 30 North, Range 14 West, 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 7568: (Continued and Readvertised)

Application of Petroleum Corp. of Delaware for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its Superior Federal Well No. 6 located in Unit N of Section 6, Township 20 South, Range 29 East, East Burton Flat Field, to produce oil from the Strawn formation through the casing-tubing annulus and gas from the Morrow formation through tubing.

CASE 7651: (Continued from August 18, 1982, Examiner Hearing)

Application of Nortex Gas & Oil Company for the amendment of Order No. R-6903, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Division Order No. R-6903 to provide that non-consenting working interest owners shall have thirty days following final adjudication of title in which to pay their proportionate share of well costs.

CASE 7664: Application of Yates Petroleum Corporation for a unit agreement, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Little Cuevo Unit Area, comprising 13,407 acres, more or less, of State and Fee lands in Township 17 South, Range 18 East.

CASE 7655: (Continued from August 18, 1982 Examiner Hearing)

Application of Yates Petroleum Corporation for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the surface down through the Abo formation underlying the NW/4 of Section 20, Township 7 South, Range 26 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 7665: Application of Harvey E. Yates Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Mississippian formation underlying the N/2 of Section 35, Township 13 South, Range 35 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.

CASES 7666, 7667, 7668, and 7669: Application of Yates Petroleum Corporation for compulsory pooling, Chaves County, New Mexico. Applicant, in each of the four following cases, seeks an order pooling all mineral interests down through the Abo formation underlying the lands specified in each case, each to form a standard 160-acre gas spacing and proration unit to be dedicated to a well to be drilled at a standard location thereon. Also to be considered in each case will be the cost of drilling and completing said wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells and a charge for risk involved in drilling said wells:

CASE 7666: SW/4 Section 3;

CASE 7667: NW/4 Section 4;

CASE 7668: NW/4 Section 14;

All of the above being in Township 5 South, Range 24 East and

CASE 7669: NW/4 Section 2, Township 9 South, Range 25 East

CASE 7670: Application of Yates Petroleum Corporation for compulsory pooling, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Morrow formation underlying the N/2 of Section 26, Township 14 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 7648: (Continued from August 18, 1982 Examiner Hearing)

Application of Rio Pecos Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the top of the Wolfcamp to the base of the Pennsylvanian formation underlying the W/2 of Section 35, Township 18 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 7642: Application of Doyle Hartman for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests from the surface through the Jalmat Pool, underlying a previously approved 120-acre non-standard proration unit comprising the S/2 NE/4 and NE/4 NE/4 of Section 20, Township 25 South, Range 37 East, to be dedicated to a well to be drilled at a previously approved unorthodox location. 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 7671: Application of Texas Eastern Developments, Inc. for an exception to Rule 307, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks an exception to Rule 307 of the Division Rules and Regulations to permit it to draw a vacuum on the Shiprock Gallup Oil Pool reservoir through 16 wells in Sections 16 and 17, Township 29 North, Range 18 West. Applicant further seeks an administrative procedure whereby it could extend the proposed vacuum system to include additional wells in the same reservoir.

CASE 7649: Application of Southern Union Exploration Company for retroactive exemption, San Juan and Rio Arriba Counties, New Mexico. Applicant, in the above-styled cause, seeks the retroactive exemption from Section 5 of the New Mexico Natural Gas Pricing Act of the following Basin Dakota infill wells: Jicarilla A No. 13-E in Unit N of Section 13 and Jicarilla A No. 10-E in Unit G of Section 23, both in Township 26 North, Range 4 West, and Jicarilla K No. 15-E in Unit A of Section 1, Township 25 North, Range 5 West, all in Rio Arriba County, and the Hodges No. 15-E in Unit J of Section 27, Township 26 North, Range 8 West in San Juan County. Also the following Ballard-Pictured Cliffs replacement well in San Juan County: Newsom No. 10-R in Unit M of Section 20, Township 26 North, Range 8 West. Each of the aforesaid wells was subject to the New Mexico Natural Gas Pricing Act until exempted from same by the Division on July 23, 1982, and applicant seeks the retroactive exemption of each of said wells to date of first delivery into the pipeline which ranges from December 24, 1980 to January 11, 1982.

CASE 7672: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating, assigning discovery allowable, contracting, and extending certain pools in Chaves, Eddy, Lea, and Roosevelt Counties, New Mexico:

- (a) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Brushy Canyon production and designated as the Brushy Draw-Brushy Canyon Pool. Further, to assign approximately 25,410 barrels of discovery allowable to the discovery well, the J. C. Williamson UCBSNW Federal Well No. 1 located in Unit M of Section 25, Township 26 South, Range 29 East, NMPM. Said pool would comprise:

TOWNSHIP 26 SOUTH, RANGE 29 EAST, NMPM
Section 25: SW/4

- (b) CREATE a new pool in Lea County, New Mexico classified as an oil pool for San Andres production and designated as the Hobbs Channel-San Andres Pool. The discovery well is the Bass Enterprises Production Company Humble City Unit Well No. 1 located in Unit D of Section 36, Township 17 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 17 SOUTH, RANGE 37 EAST, NMPM
Section 36: NW/4

- (c) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the Humphreys Mill-Morrow Gas Pool. The discovery well is the Florida Exploration Company Reno Com Well No. 1 located in Unit D of Section 11, Township 25 South, Range 35 East, NMPM. Said pool would comprise:

TOWNSHIP 25 SOUTH, RANGE 35 EAST, NMPM
Section 11: N/2

- (d) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Abo production and designated as the Justis-Abo Pool. The discovery well is the Santa Fe Energy Company Carlson R-25 Federal Well No. 3 located in Unit O of Section 25, Township 25 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 25 SOUTH, RANGE 37 EAST, NMPM
Section 25: SE/4

- (e) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Upper Pennsylvanian production and designated as the McMillan-Upper Pennsylvanian Gas Pool. The discovery well is the Southland Royalty Company Pecos River Federal 20 Com Well No. 1 located in Unit J of Section 20, Township 19 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 27 EAST, NMPM
Section 20: E/2

- (f) CREATE a new pool in Eddy County, New Mexico, classified as a gas pool for Strawn production and designated as the Mosley Canyon-Strawn Gas Pool. The discovery well is W. A. Moncrief, Jr., Jurnegan State Well No. 1 located in Unit C of Section 8, Township 24 South, Range 25 East, NMPM. Said pool would comprise:

TOWNSHIP 24 SOUTH, RANGE 25 EAST, NMPM
Section 8: N/2

- (g) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Tubb production and designated as the West Nadine-Tubb Pool. The discovery well is the Tamarack Petroleum Company, Inc. Kornegay A Well No. 1 located in Unit F of Section 9, Township 20 South, Range 38 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 38 EAST, NMPM
Section 9: NW/4

- (h) CREATE a new pool in Lea County, New Mexico, classified as a gas pool for Morrow production and designated as the Pitchfork Ranch-Morrow Gas Pool. The discovery well is the HMG Oil Company Madara 3:1 State Com Well No. 1 located in Unit C of Section 32, Township 24 South, Range 34 East, NMPM. Said pool would comprise:

TOWNSHIP 24 SOUTH, RANGE 34 EAST, NMPM
Section 32: N/2

- (i) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Yeso production and designated as the Seven Rivers-Yeso Pool. The discovery well is Chama Petroleum Corporation Irami Federal Well No. 1 located in Unit M of Section 34, Township 19 South, Range 25 East, NMPM. Said pool would comprise:

TOWNSHIP 19 SOUTH, RANGE 25 EAST, NMPM
Section 34: SW/4

- (j) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Abo production and designated as the East Skaggs-Abo Pool. The discovery well is the Texaco Inc. C. H. Weir A Well No. 12 located in Unit G of Section 12, Township 20 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 20 SOUTH, RANGE 37 EAST, NMPM
Section 12: NE/4

- (k) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Tubb production and designated as the Teague-Tubb Pool. The discovery well is the Alpha Energy Gas Production Company Lea Well No. 2 located in Unit A of Section 17, Township 23 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 23 SOUTH, RANGE 37 EAST, NMPM
Section 17: NE/4

- (l) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Devonian production and designated as the Townsend-Devonian Pool. The discovery well is the Kimbark Oil and Gas Company New Mexico 1-4 State Com Well No. 1 located in Unit N of Section 4, Township 16 South, Range 35 East, NMPM. Said pool would comprise:

TOWNSHIP 16 SOUTH, RANGE 35 EAST, NMPM
Section 4: Lots 11, 12, 13, and 14

- (m) CREATE a new pool in Eddy County, New Mexico, classified as an oil pool for Bone Spring production and designated as the Welch-Bone Spring Pool. The discovery well is the Quanah Petroleum, Inc. Hay B Federal Com Well No. 1 located in Unit K of Section 9, Township 26 South, Range 27 East, NMPM. Said pool would comprise:

TOWNSHIP 26 SOUTH, RANGE 27 EAST, NMPM
Section 9: SW/4

- (n) CONTRACT the horizontal limits of the Buckeye-Abo Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM
Section 3: W/2 NW/4

- (c) CONTRACT the horizontal limits of the Vacuum-Abo Reef Pool in Lea County, New Mexico, by the deletion of the following described area:

TOWNSHIP 18 SOUTH, RANGE 35 EAST, NMPM
Section 3: E/2 NW/4

- (p) EXTEND the Antelope Sink-Upper Pennsylvanian Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 19 SOUTH, RANGE 23 EAST, NMPM
Section 13: N/2
Section 14: N/2

- (q) EXTEND the West Arkansas Junction-San Ar'nes Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 36 EAST, NMPM
Section 20: NW/4

- (r) EXTEND the Atoka-Yaso Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 18 SOUTH, RANGE 26 EAST, NMPM
Section 26: E/2

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

TOWNSHIP 22 SOUTH, RANGE 32 EAST, NMPM
Section 5: NW/4
Section 6: E/2

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

TOWNSHIP 16 SOUTH, RANGE 31 EAST, NMPM
Section 14: N/2 S/2 and NE/4

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

TOWNSHIP 20 SOUTH, RANGE 25 EAST, NMPM
Section 3: S/2
Section 4: All

- (v) EXTEND the Comanche Stateline Tansil-Yates-Seven Rivers-Queen Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 26 SOUTH, RANGE 36 EAST, NMPM
Section 26: NW/4
Section 27: NE/4 and E/2 NW/4

- (w) EXTEND the South Empire-Morrow Gas Pool in Eddy County, New Mexico to include therein:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 35: S/2
Section 36: W/2

- (x) EXTEND the South Empire-Wolfcamp Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 17 SOUTH, RANGE 28 EAST, NMPM
Section 36: E/2 NE/4

TOWNSHIP 17 SOUTH, RANGE 29 EAST, NMPM
Section 31: NW/4 and S/2 NE/4

- (y) EXTEND the Forty Niner Ridge-Bone Spring Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 23 SOUTH, RANGE 30 EAST, NMPM
Section 16: SE/4

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

TOWNSHIP 21 SOUTH, RANGE 36 EAST, NMPM
Section 2: Lots 11, 12, 13, 14, and S/2
Section 11: NW/4

- (aa) EXTEND the Northeast Lovington-Pennsylvanian Pool in Lea County, New Mexico, to include therein:

TOWNSHIP 16 SOUTH, RANGE 37 EAST, NMPM
Section 20: NW/4

- (bb) EXTEND the West Milnesand-Pennsylvanian Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 8 SOUTH, RANGE 34 EAST, NMPM
Section 19: W/2

- (cc) EXTEND the South Peterson-Pennsylvanian Associated Pool in Roosevelt County, New Mexico, to include therein:

TOWNSHIP 5 SOUTH, RANGE 33 EAST, NMPM
Section 30: SE/4
Section 31: W/2 NE/4

TOWNSHIP 6 SOUTH, RANGE 33 EAST, NMPM
Section 15: S/2

- (dd) EXTEND the Race Track-San Andres Pool in Chaves County, New Mexico, to include therein:

TOWNSHIP 10 SOUTH, RANGE 28 EAST, NMPM
Section 18: NE/4 and S/2 SE/4

- (ee) EXTEND the Ross Draw-Wolfcamp Gas Pool in Eddy County, New Mexico, to include therein:

TOWNSHIP 26 SOUTH, RANGE 30 EAST, NMPM
Section 23: S/2
Section 26: N/2

- (ff) EXTEND the West Sand Dunes-Atoka Gas Pool in Eddy County, New Mexico, to include therein:

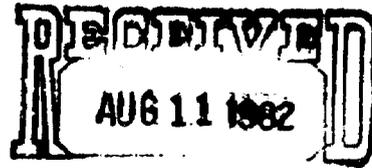
TOWNSHIP 23 SOUTH, RANGE 31 EAST, NMPM
Section 17: S/2
Section 20: All

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

TOWNSHIP 14 SOUTH, RANGE 33 EAST, NMPM
Section 21: NE/4

TEXAS 
EASTERN
Developments, Inc.

July 28, 1982



OIL CONSERVATION DIVISION
SANTA FE

Mr. Joe Ramey
Oil Conservation Division Director
Energy and Minerals Department
P.O. Box 2088
Santa Fe, NM 87501

Case 7671

Dear Mr. Ramey:

Texas Eastern Developments, Inc. would like to request a hearing granting an exception to Rule 307 to allow the installation of a vacuum system on sixteen wells (listed as "POW" on attachment) of the Shiprock Gallup Pool located in T29N R18W, Sec. 16 and 17 of San Juan County, New Mexico. We, also, request subsequent approval to add vacuum systems to non-producing wells, in order to initiate production following the required approval from the Commission.

Sincerely,



Lori Vander Boegh
Administrative Coordinator

lam

Attachment

cc: T. A. Valdes
F. Chavez

DAN

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. 7671

Order No. R-7102

Roll

APPLICATION OF TEXAS EASTERN
DEVELOPMENTS, INC. FOR AN
EXCEPTION TO RULE 307, SAN JUAN
COUNTY, NEW MEXICO.



ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on September 15, 1982, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this _____ day of October, 1982, 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, Texas Eastern Developments, Inc., seeks an exception to the provisions of Rule 307 of the Division Rules and Regulations to permit the installation and operation of a reservoir vacuum system in certain of its wells in the Shiprock-Gallup Oil Pool, San Juan County, New Mexico, drawing the wellbore pressure down to approximately 25 inches of mercury.

(3) That the applicant is the only operator in said Shiprock Gallup Oil Pool.

(4) That Rule 307 of the Division Rules and Regulations reads in its entirety as follows:

"RULE 307. USE OF VACUUM PUMPS

Vacuum pumps or other devices shall not be used for the purpose of creating a partial vacuum in any stratum containing oil or gas."

(5) That the prohibition against the use of vacuum pumps in an oil or gas reservoir is for the purpose of preventing the breaking out of solution of gases and light ends from the reservoir fluids, and the prevention of premature coning of water into the pay zone, thereby preventing reservoir waste.

(6) That the Shiprock Gallup Oil Pool is very shallow, the pay zone ranging in depth from 62 ^{feet} to 154 feet ^{beneath} ~~below~~ the surface.
A

(7) That as a result of its shallow depth, there is very little pressure in the pay zone to cause the oil to migrate to the wellbore, and the oil contains little if any gas or light ends which might be adversely affected by the installation and operation of the proposed vacuum systems.

(8) That such installation and operation of the proposed vacuum systems will not impair correlative rights nor cause waste and should be approved.

(9) That an administrative procedure should be provided whereby additional wells may be approved for vacuum pump installation and operation.

IT IS THEREFORE ORDERED:

(1) That the applicant, Texas Eastern Developments, Inc., is hereby authorized to install and operate the following vacuum systems in the Shiprock Gallup Oil Pool, San Juan County, New Mexico:

VACUUM SYSTEM NO.	WELLS NOS.	UNIT LETTER	SECTION
1	67	F	17
	78, 85 and 93	I	17
2	1, 2, 3, and 62	J	17
3	5, 44, and 46	I	17
	45	J	17
4	13, 21, 22, and 23	L	16

all in Township 29 North, Range 18 West, NMPM.

(2) That said vacuum systems shall be operated in such a manner as to draw approximately 25 inches of mercury at the wellbore-reservoir rock interface.

(3) That the Division Director shall have the authority to authorize the inclusion of additional wells to the above-described vacuum systems and to approve additional vacuum systems, and further, for good cause shown, to increase the allowed vacuum in the wellbore to less than 25 inches of mercury.

(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.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION

JOE D. RAMEY,
Director

S E A L

