G: UNION TEXAS PETROLEUM POR COMETY, 1500

CASE NO.

6840

APPlication,
Transcripts,
Small Exhibits,

ETC.

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. 6840 . Order No. R-6312

APPLICATION OF UNION TEXAS PETROLEUM FOR DOWNHOLE COMMINGLING, SAN JUAN COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on March 26, 1980, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 15th day of April, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

PINDS:

- (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, Union Texas Petroleum, is the owner and operator of the Johnston Federal Well No. 11Y, located in Unit N of Section 7, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico.
- (3) That the applicant seeks authority to commingle Pruitland and Pictured Cliffs production within the wellbore of the above-described well.
- (4) That the Fruitland and Pictured Cliffs producing intervals are separated by approximately twenty feet.
- (5) That during the process of completion the Fruitland and Pictured Cliffs zones became communicated behind the production casing.

-2-Case No. 6840 Order No. R-6312

- (6) That tests indicate that the Fruitland zone is capable of low marginal production only.
- (7) That from the Pictured Cliffs zone, the subject well is expected to be capable of low rates of production only.
- (8) That attempts to separate the two sones by squeeze dementing could result in permanent loss of production from all or part of each sone.
- (9) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights.
- (10) That the reservoir characteristics of each of the subject somes are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period.
- (11) That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Aztec district office of the Division any time the subject well is shut-in for 7 consecutive days.
- (12) That in order to allocate the commingled production to each of the commingled zones in the well, applicant should consult with the supervisor of the Aztec district office of the Division and determine an allocation formula for each of the production zones.
- (13) That said Johnston Federal Well No. 11Y should be periodically tested during its first year of production to determine the efficacy of the downhole commingling authorized by this order.
- (14) The Director of the Division should be empowered to administratively rescind the commingling authority granted by this order if it should appear that the well is producing excessive volumes of water or if it should otherwise appear necessary to prevent waste.

IT IS THEREFORE ORDERED:

(1) That the applicant, Union Texas Petroleum is hereby authorized to commingle Fruitland and Pictured Cliffs production within the wellbore of the Johnston Federal Well No. 114,

-3-Case No. 6840 Order No. R-6312

located in Unit N of Section 7, Township 31 North, Range 9 West, NMPM, San Juan County, New Mexico.

- (2) That the applicant shall consult with the Supervisor of the Axtec district office of the Division and determine an allocation formula for the allocation of production to each some in the subject well and a test schedule in accordance with Finding No. (13) above.
- (3) That the Division shall witness the tests required by Order (2) above.
- (4) That the operator of the subject well shall immediately notify the Division's Axtec district office any time the well has been whit-in for 7 consecutive days and shall concurrently present, to the Division, a plan for remedial action.
- (5) That the Director of the Division may administratively rescind the commingling authority granted by this order whenever it should appear that said cohnston Federal Well No. 11y appear necessary to prevent waste.
- (6) 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 herein-

STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY Director

SBAL



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

April 17, 1980

POST OFFICE BOX 2088 STATE LAND OFFICE BUILDING SANTA FE, NEW MEXICO 87501 1505) 827-2434

Mr. Douglas Lunsford
Hinkle, Cox, Raton, Coffield
& Hensley
Attorneys at Law
Post Office Box 10
Roswell, New Mexico 88201

Re: CASE NO. 6840 ORDER NO. R-6312

Applicant:

Union Texas Petroleum

Dear Sir:

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

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
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO
26 March 1980

EXAMINER HEARING

IN THE MATTER OF:

Application of Union Texas Petroleum)
for downhole commingling, San Juan)
County, New Mexico.

CASE 6840

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

APPEARANCES

For the Oil Conservation Division:

Ernest L. Padilla, Esq.
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant:

Doug Lunsford, Esq.
HINKLE, COX, EATON, COFFIELD &
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MR. STAMETS: We'll call next Case 6840.

MR. PADILLA: Application of Union Texas

Petroleum for downhole commingling, San Juan County, New

Mexico.

MR. STAMETS: Call for appearances in

this case.

MR. LUNSFORD: Douglas Lunsford, with the

Hinkle Law Firm in Roswell, and I have one witness.

MR. STAMETS: What was your last name,

sir?

MR. LUNSFORD: Lunsford, L-U-N-S-F-O-R-D.

MR. STAMETS: Any other appearances?

I'd like to have the witness stand and be sworn.

(Witness sworn.)

C. WILLIAM CLAXTON

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

DIRECT EXAMINATION

BY MR. LUNSFORD:

O Would you please state your name, address occupation, and employer?

A. My name is C. William Claxton, C-L-A-X-T-O-N

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and my business address is 1010 Lincoln Tower in Denver.

I am a petroleum engineer for Union Texas Petroleum?

Q Mr. Claxton, have you previously test

Mr. Claxton, have you previously testified before the Oil Conservation Division as a petroleum engineer?

- A. No, sir, I have not.
- Q Would you please state your educational background and experience as a petroleum engineer?

A Okay. I graduated from Texas Tech University in 1970 with a BS degree in petroleum engineering. I spent six years with Union Oil of California in various districts as a drilling and production engineer. The past four years has been with Union Texas Petroleum, the last three of which has been in my present position as District Engineer in the Rocky Mountain District.

Are you familiar with the application of Union Texas Petroleum in this case?

A. Yes.

Q. Are you familiar with the property and the well involved in this case?

A. Yes, I am.

MR. LUNSFORD: I would -- is the witness

qualified?

MR. STAMETS: The witness is considered

qualified.

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C.S.R.	87501 409	
BOYD,	1 Box 193-B New Mexico 87 (505) 455-7409	
7.8	t. 1 Box e. New M pc (505)	
LLY W. I	Rt. suta Fe, Phone	
SAL	en en	

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	Q		Mr.	Claxton,	what	does	Union	Texas	Petro-
eum	seek by	this	appl:	ication?					

Union Texas seeks approval for the downhole commingling of Fruitland and Pictured Cliffs production in the wellbore of its Johnston Federal 11-Y, located in Unit N of Section 7, Township 31 North, Range 9 West.

Mr. Claxton, I hand you Exhibit, marked Exhibit Number One, and ask you to state what this means.

Okay. Exhibit Number One is a land plat The Union Texas acreage has been shaded of the area. green. The red area is operated by El Paso. The area shaded blue is operated by Koch. Those are the only other two operators adjacent to our lease.

The color code on the well, blue denotes Mesaverde production; red is the Pictured Cliffs production. The arrow points to our Johnston Federal 11-Y, which in the mapped area is the only well that's been opened up in the Fruitland to date.

Are the only offset operators El Paso and Koch?

That is the only two.

I now hand you Exhibit Two and ask you to state what that represents.

Okay, Exhibit Two are the waivers from the two offset operators to this application.

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That is to your requested downhole commingling from the two zones in this well?

A. That is right.

Turning to Exhibit Three, Mr. Claxton,

I ask you to state what that represents.

A. Okay, Exhibit Three is a portion of the cased hole log covering the Fruitland and the Pictured Cliffs sections in our well that we perforated.

The exhibit points out the perforations that are open right now and perforations that have already been squeezed off in the Fruitland.

Q. Does it also show the approximate depth at which the perforations have been made?

A Yes, sir, it does.

O Turning to Exhibit Four, Mr. Claxton, would you please state what that represents?

A. Okay, Exhibit Four is a wellbore diagram showing the current status of the well. It again shows the depths of perforations. It points out our dual hookup, which is fairly common for the area. We've got a Model F packer set between the two zones, and are strung into it right now. The well is currently shut in.

Would you identify the base of the Fruit-land perforations and the top of the Pictured Cliffs perforations?

A Okay. The bottom perforation in the Fruitland is at 3412. The top perforation in the Pictured Cliffs is 3433. They are just 21 feet between the two zones

Q Turning to Exhibit Five, Mr. Claxton, would you please state what that represents?

A. Okay, Exhibit Five is just a copy of our not approved packer leakage test. It does point out the fact that we've got communication between the two zones.

Q. Okay, turning to Exhibit Six, please state to the Examiner what that means.

A. Okay, now Exhibit Six is a copy of our daily reports during the completion operations on this well.

As we go through it, I've got some things highlighted, which I wish to point out, and I hope after going through this we can show you -- point out three things.

The first thing of all, I hope it's evident that we made a diligent effort and a time-consuming effort to obtain a dual completion.

Secondly, I will point out where we believe that the communication, or the breakdown between the two zones, occurred.

And thirdly, I will show, attempt to show, that even though there is quite a pressure differential between the two zones, the Fruitland being the higher pressured zone, we will show that it is a low volume zone, and

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through our daily reports can show that it is depleting very quickly, and that the probability of damage to the Pictured Cliffs from cross flow is almost nil.

Now, if we go through real quickly here, as I said, this starts when we moved in our completion rig. Our cement job on our 5-1/2 inch casing went very well, or at that time we were unaware of any problems.

Now I have most of these things highlighted in yellow. You will see on the 12th of October we pressure tested the casing to 3000 pounds and there were no problems.

On the -- skipping down to the 13th, we fracd the Pictured Cliffs and for the next two days we flowed the well, trying to clean it up a little bit.

The rate noted at the surface was 1.385 million cubic feet a day.

all right, on the 16th we had a shutin casing pressure of 635 pounds. That's shutin surface pressure for the Pictured Cliffs. We set a wireline plug above the Pictured Cliffs and perforated our Fruitland section. Our measured flow of natural from the Fruitland was also 1.385 million cubic feet. The rates are the same, but you can see on the 17th, we had a shutin tubing pressure of 1100 pounds, which is some 500 pounds higher than we observed with the Pictured Cliffs, which indicates to us that

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we were not communicated at that time.

Okay, for -- on down through here on the 20th, the 21st, and the 22nd, again noting the first rate that we had on the Fruitland was 1.3 million, then on the 20th the rate was down to 581,000. On the 21st, 457,000. On the 22nd, 396,000.

Then on the -- on the 22nd and 23rd we noticed that we had some pressure behind our 5-1/2 inch casing inside of our 9-5/8ths casing.

So on the 23rd we pulled our packers and what not out of the hole, and the rate noted on the 23rd of 1.4 million is both zones again.

On the 24th, and you may want to refer back to the exhibit, the wellbore diagram, it shows what zones are squeezed, we squeezed that top block of Fruitland perforations in order to fill up this channel to the surface.

We also bradenhead squeezed.

On the 25th we pressured on these perforations to 1300 pounds. Everything held okay, and we have not seen any indication of pressure behind our packer.

The rest of this page here, we again cleaned the well up, got the cement that was left in the hole up, and from, say, October the 30th through about the November the 9th, we were flowing and testing both zones

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again. You still see some fairly decent rates of 700, 800 Mcf a day.

On the 23rd of November we ran in the hole with a packer, set them between the two zones. You will note on the 23rd and 24th there was 1000 pounds pressure on the casing, which is a Fruitland, and in the neighbor hood of 630 pounds on the tubing, which is a Pictured Cliffs

You will also note that the flow rates through the tubing, or the Pictured Cliffs, are fairly substantial, 800,000 a day.

You will note that the Fruitland, for instance, on the 24th, we flowed the well for 9 hours. At the end of that period the flowing casing pressure was zero. The zone, again, is depleting fairly rapidly.

On the 26th, on the next page, we straddled the Fruitland to flow it out the tubing. Wo noticed a maximum rate of 173,000 a day at that particular time.

Again, we're still seeing the 1000 pounds pressure on the Fruitland; no evidence of communication yet.

On November the 27th we acidized the lower block of Fruitland perforations there, and this is where we believe that the communication occurred. It appears to us that the acid just went down through that 21 feet between the two zones.

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And you see on the 28th and 29th, we, still believing that this gas was coming out of the Fruitland, and we're noticing rates of 800 Mcf a day, which was more like the Fruitland -- the Pictured Cliffs we had been observing on the prior few days.

On hindsight now, at this time we did not realize we had communication.

On the 29th we ran our production string with our permanent packer between the two zones. On the 30th we noticed that our pressures were equalized and knew we had communication at that point.

On December the 1st we rigged up a wireline truck to check our production equipment and it appeared okay at that time, and again that week we pulled our product on equipment to check it to make sure that our communication was not caused by our production equipment.

We believe that the communication is behind pipe between the two zones.

Mr. Claxton, what fluids are present in the two zones of which you spoke of?

Okay, now the -- this is the only Fruitland, attempted Fruitland, completion in this area. We do not have a handle on what type of fluids, if any, the Fruitland will produce. We have one Pictured Cliffs well, being east of this well in the same section. It makes approxi-

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mately 1 barrel of condensate and a little bit less than 1 barrel of water a day.

Do you think that the liquids and the volumes would be compatible in these two zones?

Yes.

Do you believe there will be reservoir damage to either zone if commingling is permitted?

No, because through the daily reports it does appear that the Pictured Cliffs, or the Fruitland is the higher pressure, that it is a low volume, and it appears to be a very quickly depleting zone.

If this application is denied, will you try and dually complete this well again, or what will you do?

Okay, under what we're looking at now, if our application is not approved, we will have to squeeze out the Fruitland. From what we've seen of the Fruitland, we cannot economically justify going back in and opening it up again. Any reserves that the Fruitland may make will be lost.

The other danger, because of only the 20 foot between the two zones, by squeezing the Fruitland we could get cement down in our Pictured Cliffs, and could damage that formation.

Mr. Claxton, do you believe there will be

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ultimately more gas recovered if you are allowed to commingle the two zones?

A. Yes, I do.

Q Mr. Claxton, I hand you Exhibit Seven and ask you to state what that means.

A. Okay, Exhibit Seven, should our application be approved, is our proposed allocation formula. We will be glad to work with the local State people, if this formula is not acceptable. I do want to note that the royalty owners and the working interest owners are common and equal for all zones under our lease.

Our allocation formula is based on the observed flow rates we've seen in the well. The last observed rate was 173,000 a day. We took that initial rate, applied it to a decline curve for typical Fruitland, which is at least seven miles away, and based on that have come up with the following chart.

If we are allowed to downhole commingle, the allocation has the only stipulation that we will not allocate more than 20 percent of the total production to the Fruitland.

Q. You would make every attempt to work out an appropriate allocation formula with the local office of the OCD in that area?

A. Yes, we would.

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SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B

Santa Fe, New Mexico 87501

Phone (305) 455-7409

Q Mr. Claxton, have these exhibits been prepared either by you or under your direct supervision?

A. Yes.

MR. LUNSFORD: Mr. Examiner, I would move the admission of these exhibits, if I may at this time.

MR. STAMETS: These exhibits will be admitted.

And, Mr. Claxton, in your opinion, would the approval of this application by Union Texas Petroleum Company, or Corporation, prevent the drilling of unnecessary wells, and otherwise prevent waste and protect correlative rights?

A. Yes, it would.

MR. LUNSFORD: That's all I have, Mr.

Examiner.

CROSS EXAMINATION

BY MR. STAMETS:

Q. Mr. Claxton, referring to Exhibit Number Six, on page one, the test conducted October 20th, or the report of October 20th, there is a notation at the end of that, it says, "Too wet to burn."

What does that mean?

A. Okay. We were still getting some fluid out of the hole, whether it's acid water or any drilling

fluid that was left in the hole, we don't have an analysis on it at that time, but the gas, you know, typically cleaning the well up, you blow it till it will burn, to clean it up. At that time we still had enough water that the gas would not burn.

Q Is that a situation which subsequently changed? From the Fruitland?

A Yes.

Now on the third page of that report,

October of -- November 26th, the second line there, it says,

"Unloaded lots of water." That is from the Fruitland, is

that correct?

are jockeying our tubing in and out, running packers, and whatnot, we are killing the well. We're pumping anywhere from 50 to 150 barrels of water back down the well so we can pull our equipment, and any time during this completion, again, we've got the problem of not really knowing if this is our kill fluid coming back at us, or if it's some fluid that's from the zone itself.

Q To your knowledge, is the Fruitland water-bearing in this area?

A. Okay. Now, back on our Exhibit One, in the northeast portion of that section, we have a Fruitland well -- a Pictured Cliffs well, that has just come onstream.

We attempted to complete that in the Fruitland but the Fruitland was real wet there; probably capable of making 100 barrels of water a day.

Down here in this section we have seen nothing to indicate that the 11-Y Fruitland will make anywhere near that kind of water, and there's -- I'm not a geologist or a log expert, I have a lot of trouble correlating the zones even this close, but we do not anticipate that the Fruitland is going to make very much water in this well.

Mr. Claxton, you do realize, I presume, that if the Fruitland did produce water in this area and it was allowed to be communicated behind the pipe, that could cause some problem with production, potential loss of gas from the Pictured Cliffs?

A. Yes, sir. We, in that respect, I'll point out the fact that this is the second well we've drilled on this proration unit for Pictured Cliffs production. In '78 we drilled the No. 11 Well, the casing collapsed, and we lost that well. It was never produced. We spent \$200,000 there.

To date we've spent \$250,000 on 11-Y, and we haven't put any gas down the line yet.

Now, our company operates on an economical basis. If the Pictured Cliffs does not perform as we

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ata Fe, New Mexico 57501
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SALLY W. BOYD, C.S.I Rt. 1 Box 193-8 Santa Fe, New Menico 87501 Phono (305) 455-7409 anticipate, if we have any indication that the hole is loading up with fluid, we will do a workover on the well and do whatever is necessary, squeeze the Fruitland, if necessary, to prevent any damage to the Pictured Cliffs.

I presume you would be willing to cooperate with any tests that the Division might propose to make certain that the well is not producing water at the present time or a reasonable period in the future.

A. Yes, sir.

MR. STAMETS: Any other questions of this witness? Mr. Chavez?

QUESTIONS BY MR. CHAVEZ:

visor of the Aztec District of the Oil Conservation Division.

Mr. Claxton, when you squeezed the top

set of perforations in the Fruitland because of communication
behind the pipe, did you attempt to run a temperature survey

or cement bond log survey to show that -- how high, perhaps,

that cement had gone or the quality of the cement job above

Yes. I am Frank Chavez, District Super-

those perforations?

A. I do not -- I don't think we did. We did cement it with 300 sacks. During the cement job we had full returns at the surface. We'd established circulation all the way up to our bradenhead.

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What was the estimated top, say, of the estimated 100 percent (inaudible) I'd have to go calculate that. I don't know what it would be. Okay, I looked at that, your application, but I don't remember the dates. Did you do the bradenhead squeeze at the same time --Right. -- that you did the --Right, the next day we did the bradenhead squeeze. The next day after you did the circula-Q. tion? Yeah, next day. Did you notice any pressures at all when you initiated that bradenhead squeeze? No, and the well was dead on the back A. side of it. MR. CHAVEZ: I guess that's all I have. MR. STAMETS: Any other questions of this witness? He may be excused. Anything further in this case? MR. LUNSFORD: No, sir.

MR. STAMETS: Did we admit your exhibits?

MR. LUNSFORD: Yes, you did.

If there is nothing MR. STAMETS: Okay.

(Hearing concluded.)

further, this case will be taken under advisement.

REPORTER'S CERTIFICATE

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.

Sary W. Boyd C.S.R.

so hereby cartify that the foregoing is co-apiele record of the proceedings in a knaminer hearing of Case in 6846

Oil Conservation Division

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EXAMINER HEARING

IN THE MATTER OF:

Application of Union Texas Petroleum) for downhole commingling, San Juan County, New Mexico.

CASE 6840

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

APPEARANCES

For the Oil Conservation Division:

Ernest L. Padilla, Esq. Legal Counsel to the Division State Land Office Bldg. Santa Fe, New Mexico 87501

For the Applicant:

Doug Lunsford, Esq. HINKLE, COX, EATON, COFFIELD & HENSLEY Hinkle Building Roswell, New Mexico 88201

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C. WILLIAM CLAXTON

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SALLY W. BOYD, C.S.R. Rt. 1 Box 193-B Santa Pt. New Metdos 97301 Phone (505) 455-7409

MR STAMETS: Call for appearances in

Petroleum for downhole commingling, San Juan County, New

MR. LUNSFORD: Douglas Lunsford, with the Hinkle Law Firm in Roswell, and I have one witness.

MR. STAMETS: What was your last name,

MR. STAMETS: We'll call next Case 6840.

MR. PADILLA: Application of Union Texas

sir?

Mexico.

this case.

MR. LUNSFORD: Lunsford, L-U-N-S-F-O-R-D.
MR. STAMETS: Any other appearances?

I'd like to have the witness stand and be sworn.

(Witness sworn.)

C. WILLIAM CLAXTON

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

DIRECT EXAMINATION

BY MR. LUNSFORD:

Mould you please state your name, address occupation, and employer?

My name is C. William Claxton, C-L-A-X-T-Q-N

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and my business address is 1010 Lincoln Tower in Denver. I am a petroleum engineer for Union Texas Petroleum? Mr. Claxton, have you previously testified before the Oil Conservation Division as a petroleum engineer? No, sir, I have not. Would you please state your educational background and experience as a petroleum engineer? Okay. I graduated from Texas Tech University in 1970 with a BS degree in petroleum engineering. I spent six years with Union Oil of California in various districts as a drilling and production engineer. The past four years has been with Union Texas Petroleum, the last three of which has been in my present position as District Engineer in the Rocky Mountain District. Are you familiar with the application of Union Texas Petroleum in this case? Are you familiar with the property and Û the well involved in this case? Yes, I am. MR. LUNSFORD: I would -- is the witness MR. STAMETS: The witness is considered qualified?

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qualified.

A Union Texas seeks approval for the down hole commingling of Fruitland and Pictured Cliffs production in the wellbore of its Johnston Federal 11-Y, located in Unit N of Section 7, Township 31 North, Range 9 West.

Mr. Claxton, I hand you Exhibit, marked Exhibit Number One, and ask you to state what this means.

Okay. Exhibit Number One is a land plat of the area. The Union Texas acreage has been shaded green. The red area is operated by El Paso. The area shaded blue is operated by Koch. Those are the only other two operators adjacent to our lease.

The color code on the well, blue denotes

Mesaverde production; red is the Pictured Cliffs production.

The arrow points to our Johnston Federal 11-Y, which in the mapped area is the only well that's been opened up in the Fruitland to date.

and Koch?

That is the only two.

I now hand you Exhibit Two and ask you to state what that represents.

A. Okay, Exhibit Two are the waivers from the two offset operators to this application.

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- That is to your requested downhole commingling from the two zones in this well?
 - That is right.
- Turning to Exhibit Three, Mr. Claxton, I ask you to state what that represents.
- Okay, Exhibit Three is a portion of the cased hole log covering the Fruitland and the Pictured Cliffs sections in our well that we perforated.

The exhibit points out the perforations that are open right now and perforations that have already been squeezed off in the Fruitland.

- Does it also show the approximate depth at which the perforations have been made?
 - Yes, sir, it does.
- Turning to Exhibit Four, Mr. Claxton, would you please state what that represents?
- Okay, Exhibit Four is a wellbore diagram showing the current status of the well. It again shows the depths of perforations. It points out our dual hookup, which is fairly common for the area. We've got a Model F packer set between the two zones, and are strung into it right now. The well is currently shut in.
- Would you identify the base of the Fruitland perforations and the top of the Pictured Cliffs perforations?

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Okay. The bottom perforation in the Fruitland is at 3412. The top perforation in the Pictured

Turning to Exhibit Five, Mr. Claxton, would you please state what that represents?

Cliffs is 3433. They are just 21 feet between the two zones

Okay, Exhibit Five is just a copy of our not approved packer leakage est. It does point out the fact that we've got communication between the two zones.

Okay, turning to Exhibit Six, please state to the Examiner what that means.

Okay, now Exhibit Six is a copy of our daily reports during the completion operations on this well. As we go through it, I've got some things highlighted, which I wish to point out, and I hope after going through this we can show you -- point out three things.

The first thing of all, I hope it's evident that we made a diligent effort and a time-consuming effort to obtain a dual completion.

Secondly, I will point out where we believe that the communication, or the breakdown between the two zones, occurred.

And thirdly, I will show, attempt to show, that even though there is quite a pressure differential between the two zones, the Fruitland being the higher pressured zone, we will show that it is a low volume zone, and

Page _____8

through our daily reports can show that it is depleting very quickly, and that the probability of damage to the Pictured Cliffs from cross flow is almost nil.

Now, if we go through real quickly here, as I said, this starts when we moved in our completion rig. Our cement job on our 5-1/2 inch casing went very well, or at that time we were unaware of any problems.

Now I have most of these things highlighted in yellow. You will see on the 12th of October we pressure tested the casing to 3000 pounds and there were no problems.

On the -- skipping down to the 13th, we fraced the Pictured Cliffs and for the next two days we flowed the well, trying to clean it up a little bit.

The rate noted at the surface was 1.385 million cubic feet a day.

All right, on the 16th we had a shutin casing pressure of 635 pounds. That's shutin surface pressure for the Pictured Cliffs. We set a wireline plug above the Pictured Cliffs and perforated our Fruitland section.

Our measured flow of natural from the Fruitland was also

1.385 million cubic feet. The rates are the same, but you can see on the 17th, we had a shutin tubing pressure of 1100 pounds, which is some 500 pounds higher than we observed with the Pictured Cliffs, which indicates to us that

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we were not communicated at that time.

Okay, for -- on down through here on the 20th, the 21st, and the 22nd, again noting the first rate that we had on the Fruitland was 1.3 million, then on the 20th the rate was down to 581,000. On the 21st, 457,000. On the 22nd, 396,000.

Then on the -- on the 22nd and 23rd we noticed that we had some pressure behind our 5-1/2 inch casing inside of our 9-5/8ths casing.

So on the 23rd we pulled our packers and what not out of the hole, and the rate noted on the 23rd of 1.4 million is both zones again.

On the 24th, and you may want to refer back to the exhibit, the wellbore diagram, it shows what zones are squeezed, we squeezed that top block of Fruitland perforations in order to fill up this channel to the surface.

We also bradenhead squeezed.

On the 25th we pressured on these perforations to 1300 pounds. Everything held okay, and we have not seen any indication of pressure behind our packer.

The rest of this page here, we again cleaned the well up, got the cement that was left in the hole up, and from, say, October the 30th through about the November the 9th, we were flowing and testing both zones

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again. You still see some fairly decent rates of 700, 800 Mcf a day.

On the 23rd of November we ran in the hole with a packer, set them between the two zones. You will note on the 23rd and 24th there was 1000 pounds pressure on the casing, which is a Fruitland, and in the neighbor hood of 630 pounds on the tubing, which is a Pictured Cliffs

You will also note that the flow rates through the tubing, or the Pictured Cliffs, are fairly substantial, 800,000 a day.

You will note that the Fruitland, for instance, on the 24th, we flowed the well for 9 hours. At the end of that period the flowing casing pressure was zero. The zone, again, is depleting fairly rapidly.

On the 26th, on the next page, we straddled the Fruitland to flow it out the tubing. We noticed a maximum rate of 173,000 a day at that particular time.

Again, we're still seeing the 1000 pounds pressure on the Fruitland; no evidence of communication yet.

On November the 27th we acidized the lower block of Fruitland perforations there, and this is where we believe that the communication occurred. It appears to us that the acid just went down through that 21 feet between the two zones.

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And you see on the 28th and 29th, we, still believing that this gas was coming out of the Fruitland, and we're noticing rates of 800 Mcf a day, which was more like the Fruitland -- the Pictured Cliffs we had been observing on the prior few days.

On hindsight now, at this time we did not realize we had communication.

On the 29th we ran our production string with our permanent packer between the two zones. On the 30th we noticed that our pressures were equalized and knew we had communication at that point.

On December the 1st we rigged up a wireline truck to check our production equipment and it appeared okay at that time, and again that week we pulled our production equipment to check it to make sure that our communication was not caused by our production equipment.

We believe that the communication is behind pipe between the two zones.

Mr. Claxton, what fluids are present in the two zones of which you spoke of?

Okay, now the -- this is the only Fruitland, attempted Fruitland, completion in this area. We do not have a handle on what type of fluids, if any, the Fruitland will produce. We have one Pictured Cliffs well, being east of this well in the same section. It makes approxi-

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mately 1 barrel of condensate and a little bit less than 1 barrel of water a day.

Q Do you think that the liquids and the volumes would be compatible in these two zones?

A. Yes.

Q Do you believe there will be reservoir damage to either zone if commingling is permitted?

A. No, because through the daily reports it does appear that the Pictured Cliffs, or the Fruitland is the higher pressure, that it is a low volume, and it appears to be a very quickly depleting zone.

Q If this application is denied, will you try and dually complete this well again, or what will you do?

A Okay, under what we're looking at now, if our application is not approved, we will have to squeeze out the Fruitland. From what we've seen of the Fruitland, we cannot economically justify going back in and opening it up again. Any reserves that the Fruitland may make will be lost.

The other danger, because of only the 20 foot between the two zones, by squeezing the Fruitland we could get cement down in our Pictured Cliffs, and could damage that formation.

Mr. Claxton, do you believe there will be

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ALLY W. BOYD, Rt. 1 Box 193-B Sana Fe, New Mentoo

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ultimately more gas recovered if you are allowed to commingle the two zones?

Yes, I do.

Mr. Claxton, I hand you Exhibit Seven and ask you to state what that means.

Okay, Exhibit Seven, should our application be approved, is our proposed allocation formula. We will be glad to work with the local State people, if this formula is not acceptable. I do want to note that the royalty owners and the working interest owners are common and equal for all zones under our lease.

Our allocation formula is based on the observed flow rates we've seen in the well. The last observed mate was 173,000 a day. We took that initial rate, applied it to a decline curve for typical Fruitland, which is at least seven miles away, and based on that have come up with the following chart.

If we are allowed to downhole commingle, the allocation has the only stipulation that we will not allocate more than 20 percent of the total production to the Fruitland.

You would make every attempt to work out an appropriate allocation formula with the local office of the OCD in that area?

Yes, we would.

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Mr. Claxton, have these exhibits been prepared either by you or under your direct supervision?

MR. LUNSFORD: Mr. Examiner, I would move the admission of these exhibits, if I may at this time.

MR. STAMETS: These exhibits will be admitted.

And, Mr. Claxton, in your opinion, would the approval of this application by Union Texas Petroleum Company, or Corporation, prevent the drilling of unnecessary wells, and otherwise prevent waste and protect correlative rights?

A Yes, it would.

Yes.

MR. LUNSFORD: That's all I have, Mr.

Examiner.

CROSS EXAMINATION

BY MR. STAMETS:

Mr. Claxton, referring to Exhibit Number Six, on page one, the test conducted October 20th, or the report of October 20th, there is a notation at the end of that, it says, "Too wet to burn."

What does that mean?

Okay. We were still getting some fluid out of the hole, whether it's acid water or any drilling

fluid that was left in the hole, we don't have an analysis on it at that time, but the gas, you know, typically cleaning the well up, you blow it till it will burn, to clean it up.

At that time we still had enough water that the gas would not burn.

Q Is that a situation which subsequently changed? From the Fruitland?

A Yes.

Now on the third page of that report,

October of -- November 26th, the second line there, it says,

"Unloaded lots of water." That is from the Fruitland, is
that correct?

A Okay, now -- okay. All the time that we are jockeying our tubing in and out, running packers, and whatnot, we are killing the well. We're pumping anywhere from 50 to 150 barrals of water back down the well so we can pull our equipment, and any time during this completion, again, we've got the problem of not really knowing if this is our kill fluid coming back at us, or if it's some fluid that's from the zone itself.

Q. To your knowledge, is the Fruitland water-bearing in this area?

A. Okay. How, back on our Exhibit Gne, in the northeast portion of that section, we have a Fruitland well -- a Pictured Cliffs well, that has just come onstream.

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·We attempted to complete that in the Fruitland but the Fruitland was real wet there; probably capable of making 100 barrels of water a day.

Down here in this section we have seen nothing to indicate that the 11-Y Fruitland will make anywhere near that kind of water, and there's -- I'm not a geologist or a log expert, I have a lot of trouble correlating the zones even this close, but we do not anticipate that the Fruitland is going to make very much water in this well.

Mr. Claxton, you do realize, I presume, that if the Fruitland did produce water in this area and it was allowed to be communicated behind the pipe, that could cause some problem with production, potential loss of gas from the Pictured Cliffs?

Yes, sir. We, in that respect, I'll point out the fact that this is the second well we've drilled on this proration unit for Pictured Cliffs production. In '78 we drilled the No. 11 Well, the casing collapsed, and we lost that well. It was never produced. We spent \$200,000 there.

To date we've spent \$250,000 on 11-Y, and we haven't put any gas down the line yet.

Now, our company operates on an economical basis. If the Pictured Cliffs does not perform as we

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anticipate, if we have any indication that the hole is loading up with fluid, we will do a workover on the well and do whatever is necessary, squeeze the Fruitland, if necessary, to prevent any damage to the Pictured Cliffs.

I presume you would be willing to cooperate with any tests that the Division might propose to make certain that the well is not producing water at the present time or a reasonable period in the future.

Yes, sir.

MR. STAMETS: Any other questions of this witness? Mr. Chavez?

QUESTIONS BY MR. CHAVEZ:

those perforations?

Yes. I am Frank Chavez, District Supervisor of the Aztec District of the Oil Conservation Division. Mr. Claxton, when you squeezed the top set of perforations in the Fruitland because of communication behind the pipe, did you attempt to run a temperature survey or cement bond log survey to show that -- how high, perhaps, that cement had gone or the quality of the cement job above

I do not -- I don't think we did. We did cement it with 300 sacks. During the cement job we had full returns at the surface. We'd established circulation all the way up to our bradenhead.

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What was the estimated top, say, of the estimated 100 percent (inaudible) I'd have to go calculate that. I don't know what it would be. Okay, I looked at that, your application, but I don't remember the dates. Did you do the bradenhead squeeze at the same time --Right. -- that you did the --Right, the next day we did the bradenhead squeeze. The next day after you did the circula-Q. tion? Yeah, next day. Did you notice any pressures at all when you initiated that bradenhead squeeze? No, and the well was dead on the back side of it. MR. CHAVEZ: I guess that's all I have. MR. STAMETS: Any other questions of this witness? He may be excused.

Anything further in this case?

MR. LUNSFORD: Yes, you did.

MR. STAMETS: Did we admit your exhibits?

MR. LUNSFORD: No, sir.

If there is nothing MR. STAMETS: Okay.

further, this case will be taken under advisement.

(Hearing concluded.)

REPORTER'S CERTIFICATE

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.

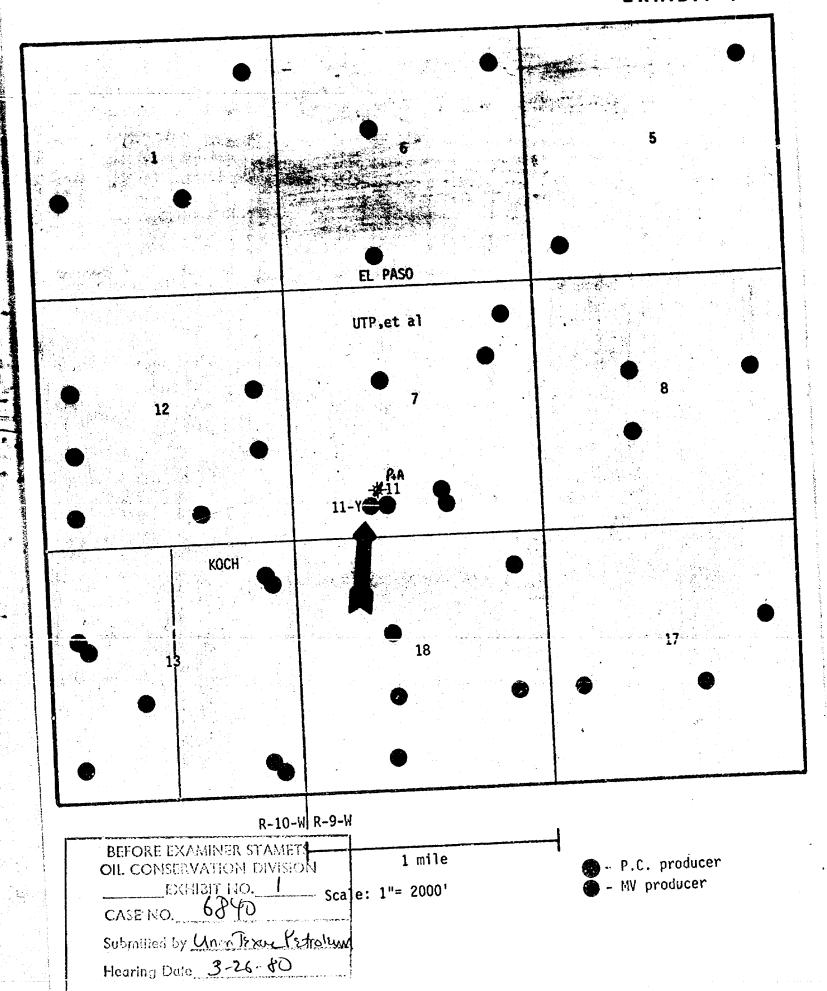
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Conservation	Division

EXHIBITS FOR

CASE 6840

MARCH 26, 1980

UNION TEXAS PETROLEUM
JOHNSTON FEDERAL #11-Y
DOWNHOLE COMMINGLING





Texas Petroleum Division

January 14, 1980

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

> RE: Union Texas Petroleum Johnston Federal #11Y SE SW Sec. 7-T31N-R9W San Juan County, N. Mexico

Gentlemen:

Please be advised that EL PASO NATURAL GAS CO. has no objections to Union Texas Petroleums request to down hole commingle production from the Fruitland and Pictured Cliffs reservoirs in the captioned well.

BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION _EXHIBIT NO._

CASE NO. 6840

Submilled by Linen Texas Petroleum

Hearing Date



Union Texas Petroleum Division Buite 1010 Lincoln Tower 1880 Lincoln Street Denver, Colorado 80295

January 14, 1980

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

RE: Union Texas Petroleum Johnston Federal #11Y SE SW Sec.7-T31N-R9W San Juan County, N. Mexico

Gentlemen:

Please be advised that KOCH INDUSTRIES, INC. has no objections to Union Texas Petroleums request to down hole commingle production from the Fruitland and Pictured Cliffs reservoirs in the captioned well.

SIGNED

SIGNED

Lise President of Production
TITLE

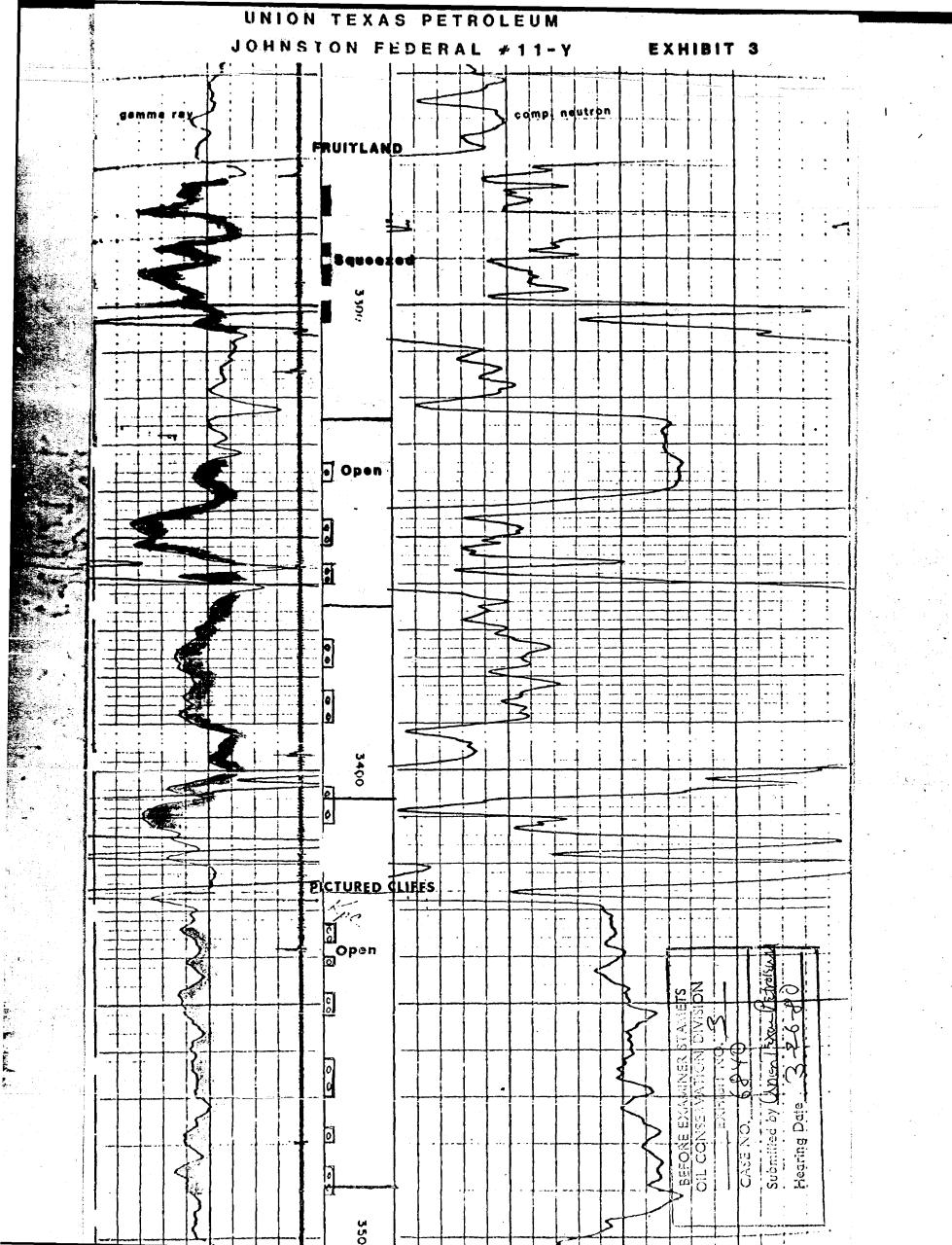
1/21/80

DATE

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 2

CASE NO. 6840

Submilled by Amen Texture Petrokum
Hearing Dale 3-26-60



UNION TEXAS PETROLEUM CORP.

JOHNSTON FEDERAL # 11-Y SE SW 7 - T.31N. -R. 9 W. DATUM: 6622'(KB) 10' AGL

95/8" Casing cemented at 334' (KB) with 200 sx. (cement circulated)

FRUITLAND PERFS:

3/8" PRODUCTION

3275-3281', 3286-3289' 3292-3296; 3299-3304'

Squeezed off with 300 sx. cement

BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION

Q

3334-3338', 3346-3352', 3356-3360' 3372-3378'; 3383-3390'; 3404-3412'

-SLIDING SLEEVE (CLOSED) at 3416'

"F" NIPPLE at 3429'

BAKER MOD. "F" at 3420' (KB)

PICTURED CLIFFS PERFS: 3133-3436; 3440-3442'; 3447-3453'

5 1/2" Casing cemented at 3654' (KB) with 1200 sx.

3462-3470'; 3476-3480'; 3485-3491'

P.B.T.D. 3644'(KB)

NEW MEXICO OIL CONSERVATION COMMISSION

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST Well perator Lease Johnston Federal Union Texas Petroleum _No.<u>11-Y</u> ocation if Well: Unit N Sec. 7 Twp. 31N County San Juan
i. Prod. Medium Rge. Type of Prod. Method of Prod. (Oil or Gas) Name of Reservoir or Pool (Flow or Art. Lift) (Thg. or Csg.) Fruitland Gas Flow Casing completion OMOL Blanco Pictured Cliff Gas Flow Tubing completion PHE-FLOW SHUT-IN PRESSURE DATA pper Hour, date Length of SI press. Stabilized? 12-5-79 Shut-in time shut-in (Yes or No) corpl 7 days psig 718 ower Hour, date SI press. psig 718 Stabilized? Length of 12-5-79 7 days Shut-in time shut-in (Yes or No) Yes FLOW TEST NO. 1 consenced at (hour, date)* Zone producing (Upper) or Lower): 12-12-79 Time Lapsed time Pressure Prod. Zone hour, date) since* Upper Compl. Lower Compl. Temp. Remarks 12-12-79 0-days 718 1:30 p.m. 15-min 81 403 BEFORE EXAMINER STAMETS OIL CONSERVATION DIVISION 30-min 62. 345 EXHIBIT NO. 5 45-min 51 313 1-hour 47 289 2-hours 42 265 3-hours 38 250 roduction rate during test bil: Bbls. in_ Grav. BOPD based on Hrs. Ges: MCFPD; Tested thru (Orifice or Meter): 3/4 positive choke MID-TEST SHUT-IN PRESSURE DATA Length of Stabilized? Opper Hour, date SI press. Shut-in 12-12-79 time shut-in 7 days (Yes or No) ye 697 Compl psig Lower Hour, date Compl Shut-in 12-5-79 SI press. Stabilized? Length of time shut-in14 days 697 (Yes or No) yes Compl psig FLOW TEST NO. 2 Commenced at (hour, date)** Zone producing (Upper or Lower): Prod. Zone Pressure Time Lapsed time Upper Compl. Lower Compl. hour, date) since ** Temp. 12-19-79 0 days 15 min 697 460 697 236 4: p.m. 30 min 409 162 45 min 387 150 1-hour 359 148 2-hours 341 128 3-hours 323 118 Production rate during test BOPD based on Bbls. in Krs. Grav. Oil: MCFPD; Tested thru (Orifice or Meter): 3/4 positive cheke Gas: REMARKS: I hereby certify that the information herein contained is true and complete to the best of my imowiedge. Operator / Union Texas Petroleum Conservation Commission Title__ District Production Manager January 8, 1980 Dato Titlo

Elledge Consulting & Production Company

EXHIBIT 6

COMPLETION SUMMARY

- 10-11-79 Nove in completion rig. Ran 4½" bit, 5½" casing scraper and 117 jts 2 3/8" tubing and tagged bottom at 3523' KB.
- Pressure tested casing to 3000 psi, 5 minutes, held OK. Rolled hole to 2% KCL water. Pull tubing. Perforated Pictured Cliffs 1 JSPF 3433-36, 3440-42, 5447-53, 3462-70. 3476-80. amd 3485-91. Ran packer, "F" nipple, and 102 jts tubing all measuring 3178' and set packer at 3182' KB. Acidized with 1500 gallons 7½% HCL and 50 ball sealers. AIR 7.6 bpm at 2575 psi. Poor ball action. ISIP sero psi. Released packer, lowered through perforations and raised packer to 3182, left packer unset, and swabbed 14 BLW in 1½ hrs.
- 10-13-79 Tubing on slight vacuum. IFL 1300'. Swabbed $4\frac{1}{2}$ hrs and recovered 46 BLW. FFL 2100'. Have a slight blow of gas. Final CP 25 psi. Pull out of hole.
- 10-14-79 SICP 500 psi. Foam fracked with 96,000 lbs 10/20 sand. AIR 30 bpm at 1500 psi. ISIP 1450 psi. Opened well through 3/4" choke and after 6 hrs, FCP 100 psi, rate 1.385 MMCFPD. Left open overnight.
- 10-15-79 Flow well through 3/4" choke. Rate 1.385 MMCFPD. Still wet.
- SICP 635 psi. Set wireline and bridge plug at 3420' KB. Dumped 5 gallons sand on plug. Perforated Fruitland 1 JSPF 3275-81, 3286-89, 3292-96, 3299-3304, 3334-38, 3346-52, 3356-60, 3372-78, 3383-90, 3404-12. Measured gas flow at 1.385 NMCFPD. Ran packer and 106 jts tubing and set packer at 3319' KB. Acidize with 2500 gallons 15% HCL and 60 ball sealers. AIR 3.3 bpm at 2600 psi. Good ball action. Pull out of hole with packer. Ran bridge plug and packer and set bridge plug 3319 and packer at 3207. Acidized with 1500 gallons 15% HCL and 30 balls. Poor ball action. AIR 4 bpm at 1100 psi. ISIP 500 psi. Imseated packer and SI for night.
- 10-17-79 SITP 1100 psi, SICP 100 psi. Lower tubing and latch onto bridge plug and pull out of hole. Ran tubing and landed at 3365' KB. SI for night.
- 10-18-79 Tubing on slight vacuum. SICP sero psi. IFL 50'. Swabbed 81 BLW in 8 hrs ending at 5 p.m. FFL 1200'. Final CP 500 psi. SI for night.
- 10-19-79 SICP 1065 psi, SITP 125 psi. Swabbed and flowed all day. Too wet to burn. Left open on 2" overnight.
- 10-20-79 FCP 125 psi with good blow out 2". Installed 3/4" choke, and after 8 hrs thru cheke, FCP 150 psi, FTP 35 psi, rate 581 MCFPD. Too wet to burn.
- 10-21-79 FCP 124 psi, FTP 25 psi, rate 457 MCFPD. Too wet to burn. Left open on 3/4" choke overnight.
- FCP psi, FTP 20 psi, rate 396 MMCFPD. Too wet to burn. Circulated bridge plug clean and retrieve bridge plug at 3420' KB. Attempt to run packer, could not get in hole. Gas rate 1.4 MMCFPD with FP 100 psi on 3/4" choke.
- 10-33-79 FP 100 psi, rate 1.4 MMCFPD. Too wet to burn. Set drillable bridge plug at 3320' KB. Ran packer to 3246' and tested back side to 1500 psi, 7 min, OK.

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COMPLETION SUMMARY CONTINUED

Set packer at 3059' and pumpe	down tubing at 8% bpm at 1400 pm and	tuid.
full returns out bradenhead.	SI for night.	

- 10-?4-79 Pressured casing to 1000 psi. Squeezed perfs from 3304 to 3275 with 300 sx Class "B" with 2% calcium chloride. Squeezed to 2150 psi. Pull out of hole with packer and SI for night.
- Squeezed bradenhead with 50 sx Class "B" with 2% calcium chloride. 3 bpm at 700 psi. Ran 4:1" bit and 102 jts tubing and tagged cement at 3135' KB.

 Drilled out to bridge plug at 3320. Pressured 1300 psi, 15 minutes, held OK. Pulled 2 stands tubing. SI for night.
- 10-?6-79 Slight pressure on bradenhead. Bled right off. Bradenhead OK. SICP and TP zero. Drilled bridge plug at 3320'. Lowered tubing and tagged sand fill at 3460'. Drilled out to 3470'. Pulled 5 stands tubing and SI for night.
- 10-27-79 Lowered tubing and tagged fill at 3468'. Cleaned out to 3486' and lost circulation. Lost 100 bbls. Cleaned out to 3644. Pull out of hole. Ran 113 jts tubing totaling 3516' and landed at 3518' KB. Rig up to swab. IFL 100'. Recovered 21 BbW in 2 runs and SI for weekend.
- 10-28-79 Sunday- Crew off.
- 10-29-79 SITP zero, SICP 800 psi. IFL 200'. Made 18 runs, well kicked off flowing. Neasured gas at 766 MCF with FTP 50 psi, FCP 425 psi.
- 10-30-79

 After flowing 18 hrs through 3/4" choke, FCP 275 psi, FTP 40 psi, rate 643

 MCFPD. Landed tubing at 3515. Nipple down BOP and nipple up tree. Sl for night.
- 10-31-79 SICP 650 psi, SITP 175 psi. Flowed 8 hrs on 3/4" choke, FCP 210 psi, FTP 54 psi, rate 816 MCFPD. Making heavy spray of water.
- Blew will intermittenly to clean up: Typical date: SICP 650 psi, SITP 580 psi.
 Flow 3 hrs thru 3/4" choke, FTP 60 psi, FCP 200 psi, rate 890 MCFPD. Burned continually but still slightly wet.
- 11-9-21-79 SICP 650 psi, SITP 620 psi.
- 11-21-79

 Bled well down. Move in rig. Pull tubing. Ran HALCO RTTS packer and 110 jts tubing and set packer at 3424' KB. Opened tubing (Pictured Cliffs) on 3/4" choke. After 45 minutes FTP 70 psi, FCP 25 psi, rate 1014 MCFPD with moderate spray of water. SI for Thanksgiving.
- 11-22-79 Thanksgiving-Crew off
- 11-23-79
 SICP 1000 psi, SITP 610 psi. Flowed tubing 9 hrs through 3/4" choke, FTP 56 psi, FCP 1120 psi, rate 841 MCFPD. Burned 95% of time. SI for night.
- SICP 1140 psi, SITP 630 psi. Blew casing and tubing for 9 hrs. FTP 58 psi, rate 866 MCFPD. FCP zero, only 2 flare out casing. SI for weekend.
- 11-25-79 Sunday-Crew off

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COMPLETION SUMMARY CONTINUED

- SICP 1150 psi, SITP 640 psi, Bied well down. Released RITS packer.
 Unlouded lots of water. Pull packer out of hole. Ran HALCO retrievable bridge plug and new RITS packer and set bridge plug at 3431 KB and RITS at 3241 KB. Flowed tubing (Fruitland) thru 3/4" choke. FIP 2 psi, rate 173 MCFFD. Ran swib. IFL 3000'. Recovered 20' of water. 2nd run no recovery. After 2 hrs flowing FIP 2 psi, rate 173 MCFFD. SI for night.
- SITP 1150 psi, SICP 10 psi. Bled tubing to zero in 10 minutes, did flare. Lowered RTTS packer to 317' KB. Rig up HALCO and acidized Fruitland with 4000 gallons 15% HCL and flushed with 14 bbl 2% KCl water. AIR 5 bpm at 3200 psi. BDP 3800 psi. ISIP 400 pis, 5 min SIP zero. Total load water to be recovered 109 bbls. Rig up to swab. IFL 1000'. Made 13 runs and recovered 75 BLW and well kicked off flowing. Installed 3/4" choke. After flowing 45 minutes, FTP 45 psi, rate 705 MCFPD. Too wet to burn. Left open overnight.
- 11-28-79 Well flowed overnight, FTP 57 psi, 853 MCFPD. Released packer and lowered tubing to 3414' KB and left packer unset. Flowed well out casing 5 hrs, FCP 43 psi, TP 300 psi, rate 680 MCFPD, burned continiously. beft well open overnight.
- 11-29-79 Well flowed overnight, FCP 50 psi, TR 350 psi, rate 767 MCFPD. Bled well down, latch onto bridge plug at 3423' KB and pull out of hole. Rig up McCullough and set Baker Model "F" packer at 3420' KB. Ran Production tubing as follows:

	Baker Production tube	5.06'	
	Baker 1.78 "F" nipple	.96'	
•	Sub 2 3/8"	6.05'	
	Seal Section	2.80'	
	Locator		.75'
	Baker Model "L" sliding s	leeve	2.65'
108	jts 2 3/8" tubing		3360.531
	Sub 2 3/8"		8.18'
	Sub 2 3/8"		4.10'
	Sub 2 3/8"		4.10'
1	jt 2 3/8" tubing		30.69'
109		14.87'	3411.00'
•	lan	ided below KB	9.00'
		packer at	3420.00' KB

End of production tube at 3435' KB. Tubing landed with 8000 ibs on packer. Top of "F" nipple at 3429' KB. Top of sliding sleeve at 3417' KB. Nipple down 80P and nipple up tree. Rig up and pump out pluy in "F" nipple. SI for night.

- SICP and TP 665 psi. Pressures communicated. Flowed tubing (Pictured Cliffs) 7 hrs, thru 3/4" choke, FTP 68 psi, rate 989 MCFPD. Flowed casing (Fruitland) 7 hrs, thru 3/4" choke, FCP 7 psi, rate 235 MCFPD. Release rig and SI well.
- SICP and TP 675 psi. Bled casing through 3/4" choke ½ hour, CP !30 psi, TP fell to 350 psi. Rig up to check that sleeve is closed. It was closed. Set blanking plug in "F" nipple.

Kliedge Consulting & Production Company

Union Texts Petroleum

Johnston Federal #11-Y

SESW Section 7, TSIN, R9W

San Juan County, New Mexico

COMPÉRTION SUMMARY CONTINUED

19-2-79 Sunday-Grew off

12-5-79 More in pulling unit. CP 700 pai, TR 70 pai. Nipple up BOP. Pulled out of hole hot. SI for night.

12-4-79 SICP 650 psi. Ran final production tubing as follows:

	Baker production tube	5.06'		
	Baker 1.78" ID "F" nip	ole .96'		
	Sub 2 3/8"	6.05'		
	Seal section	3.56'		
	Locator	7	.75'	
	Sliding Sleeve		2.62	
. 1	jt 2 3/8" tubing		31.23'	
	Blast jt.		19.84	
	Blast jt.	*	19.34'	
106	jt 2 3/8" tubing		3301.78'	
	Sub 2 3/8"		2.20'	
	Sub ? 3/8"		4.10	
1	jt 2 3/8" tubing		29.14	
108	jts	15.63'	3411.00'	
		landed below KB	9.00'	
		packer at	3420.00'	KB
	-	- ,		

Packer has 8000 lbs set on it. End of production tube at 3436' KB. Top of "F" nipple at 3430' KB. Top of sliding sleeve 3417' KB. Blast joint from 3385' to 3346'. Nipple down BOP, nipple up tree. SI for night.

Rig up and fish plug out of "F" nipple. Rig down rig. SICP 670 psi, SICP 69% psi. Flowed tubing 3 hrs thru 3/4" choke, FTP 100 psi, rate 1385 MCFPD. Casing pressure bled to 270 psi. SI pending orders.

Harold W. Elledge, P.E. Petroleum Engineer

HWE/jr

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT NO. #6

CASE NO. 6840

Submilled by Unin Texar Reform

Hearing Date 3-26-80

PETROLEUM UNION TEXAS JOHNSTON FEDERAL

PROPOSED ALLOCATION FORMULA

The following is Union Texas Petroleum's proposal for an allocation formula for the Fruitland and Pictured Cliffs Formations in the captioned well. Should this formula be unacceptable to the New Mexico Oil Conservation Division, Union this formula be unacceptable to the New Mexico Oil Conservation Division, Union this formula be unacceptable work with the state to establish a suitable formula. Texas Petroleum will gladly work with the state to establish a suitable formula.

Royalty owners and working interest owners are common and equal for

It is proposed that allocation of production to the Fruitland Formation be based on observed Fruitland flowing rates during completion and observed Fruitland decline rates for several wells in the area.

1. Last observed Fruitland flow rate on 11/26/79

- 173 MCFPD

Predicted Fruitland decline rate

- 40% First Year - 12% Thereafter

Proposed allocation by year (MCF/month) with the stipulation that Fruitland allocated production does not exceed 20% of the total commingled production.

	EDITILITATIO VERSALLI	•
	FRUITLAND ALLOCATION MCF/MONTH	Ş
YEAR		3
1980 (1st Production June) 1981 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1995	1867 1643	Submitted by Unity TEXM. Refing Date 5.26-80

UNION TEXAS PETROLEUM
JOHNSTON FEDERAL #11-Y
COMMINGLING

EXHIBIL2 FOR

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BEFORE EXAMINER STAME S OIL CONSERVATION DIVISION 1 mile	
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Hear a'e 3-26-80	
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EXHIBIT 2

Union Texas Petroleum Division Suits 1010 Lincoln Tower 1880 Lincoln Street Denner, Colorado 80295

January 14, 1980

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

> RE: Union Texas Petroleum Johnston Federal #117 SE SW Sec.7-T31N-R9W San Juan County, N. Mexico

Gentlemen:

Please be advised that EL PASO NATURAL GAS CO. has no objections to Union Texas Petroleums request to down hole commingle production from the Fruitand and Pictured Cliffs reservoirs in the captioned well.

Gal Standewe Signal Board South Stander Stande

BEFORE EXAMINER STAMETS
CIL CONSERVATION DIVISION
EXHIBIT NO. 2

CALE NO. 68 40

Submilled by Christ Txull tolsum
Jearing Daje 3-26-21



Union Texas Petroleum Division Suite 1010 Lincoln Tower 1850 Lincoln Street Denver, Colorado 80295

January 14, 1980

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

> RE: Union Texas Petroleum Johnston Federal #117 SE SW Sec.7-T31N-R9W San Juan County, N. Mexico

Gentlemen:

Please be advised that KOCH INDUSTRIES, INC. has no objections to Union Texas Petroleums request to down hole commingle production from the Fruitland and Pictured Cliffs reservoirs in the captioned well.

SIGNED

Line President of Production

1/21/80
DATE

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION

EXHIBIT INC. 7

CASE NO. 68 YO

Submitted by Churt Takon Reproblem Hearing Date 3-26-80

UNION TEXAS PETROLEUM CORP.

JOHNSTON FEDERAL # 11-Y SESW 7-T.31N.-R.9W.

DATUM: 6622'(KB) 10' AGL

95/8" Casing cemented at 334" (KB) with 200 sx. (cement circulated)

FRUITLAND PERFS:

TUBING

PRODUCTION

3/8

3275-3281', 3286-3289' 3292-3296; 3299-3304'

Squeezed off with 300 sx. cement

OIL CONSERVATION DIVISION

3334-3338; 3346-3352'; 3356-3360' 3372-3378'; 3383-3390'; 3404-3412'

30,2 30,0, 3000 00,0, 0404 04,2

-SLIDING SLEEVE (CLOSED) of 3416'

"F" NIPPLE at 3429

BAKER MOD. "F" at 3420' (KB)

PICTURED CLIFFS PERFS:

3433-3436'; 3440-3442'; 3447-3453'

3462-3470'; 3476-3480'; 3485-3491'

P.B.T.D. 3644'(KB)

51/2" Casing comented at 3654' (KB) with 1200 sx.

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

perator	Union Texa	s Petroleum		ase Inhast	on Federal	Well No. 11-V
ocation						
[Well:	Unit_N_Sec7	Twp31	N Rge	• 9W	County	7 San Juan
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, Ro	ean Ren	nested	Title_	Distric	t Production	n Manager
				January	8, 1980	nanapananapan anaka sanara

3/4" choke overnight.

10-23-79

Elledge Consulting & Production Company

EXHIBIT 6

	COMPLETION SUMMARY
10-11-79	Nove in completion rig. Ran $4\frac{1}{6}$ " bit, $5\frac{1}{6}$ " casing scraper and 117 jts 2 3/8" tubing and tagged bottom at 3523' KB.
10-12-79	Pressure tested casing to 3000 psi, 5 minutes, held OK. Rolled hole to 2% KCL water. Pull tubing. Perforated Pictured Cliffs 1 JSPF 3433-36, 3440-42, 3447-53, 3462-70. 3476-80. amd 3485-91. Ran packer, "F" nipple, and 102 jts tubing all measuring 3178' and set packer at 3182' KB. Acidized with 1500 gallons 7½ HCL and 50 ball sealers. AIR 7.6 bpm at 2575 psi. Poor ball action. ISIP zero psi. Released packer, lowered through perforations and raised packer to 3182, left packer unset, and swabbed 14 BLW in 1½ hrs.
10-13-79	Tubing on slight vacuum. IFL 1300'. Swabbed $4\frac{1}{2}$ hrs and recovered 46 BLW. FFL 2100'. Have a slight blow of gas. Final CP 25 psi. Pull out of hole.
<u>10-14-79</u>	SICP 500 psi. Foam fracked with 96,000 lbs 10/20 sand. AIR 30 bpm át 1500 psi. ISIP 1450 psi. Opened well through 3/4" choke and after 6 hrs, FCP 100 psi, rate 1.385 MMCFPD. Left open overnight.
10-15-79	Flow well through 3/4" choke. Rate 1.385 MMCFPD. Still wet.
<u>10-16-79</u>	SICP 635 psi. Set wireline and bridge plug at 3420' KB. Dumped 5 gallons sand on plug. Perforated Fruitland 1 JSPF 3275-81, 3286-89, 3292-96, 3299-3304, 3334-38, 3346-52, 3356-60, 3372-78, 3383-90, 3404-12. Measured gas flow at 1.385 MMCFPD. Ran packer and 1CS jts tubing and set packer at 3319' KB. Acidized with 2500 gallons 15% HCL and 60 ball sealers. AIR 3.3 bpm at 2600 psi. Good ball action. Pull out of hole with packer. Ran bridge plug and packer and set bridge plug 3319 and packer at 3207. Acidized with 1500 gallons 15% HCL and 30 balls. Poor ball action. AIR 4 bpm at 1100 psi. ISIP 500 psi. Unseated packer and SI for night.
10-17-79	SITP 1100 psi, SICP 100 psi. Lower tubing and latch onto bridge plug and pull out of hole. Ran tubing and landed at 3365' KB. SI for night.
10-18-79	Tubing on slight vacuum. SICP zero psi. IFL 50'. Swabbed 81 BLW in 8 hrs ending at 5 p.m. FFL 1200'. Final CP 500 psi. SI for night.
10-19-79	SICP 1065 psi, SITP 125 psi. Swabbed and flowed all day. Too wet to burn. Left open on 2" overnight.
10-20-79	FCP 125 psi with good blow out 2". Installed 3/4" choke, and after 8 hrs thru choke, FCP 150 psi, FTP 35 psi, rate 581 MCFPD. Too wet to burn.
10-21-79	FCP 124 psi, FTP 25 psi, rate 457 MCFPD. Too wet to burn. Left open on

FCP psi, FTP 20 psi, rate 396 MMCFPD. Too wet to burn. Circulated bridge plug

at 3320' KB. Ran packer to 3246' and tested back side to 1500 psi, 7 min, OK.

clean and retrieve bridge plug at 3420' KB. Attempt to run packer, could not get in hole. Gas rate 1.4 MMCFPD with FP 100 psi on 3/4" choke.

FP 100 psi, rate 1.4 MMCFPD. Too wet to burn. Set drillable bridge plug

Elledge Consulting 7 Production Company

	COMPLETION SUMMARY CONTINUED
	Set packer at 3059° and pumped down tubing at 5°_{2} bpm at 1400 ps i and had full returns out bradenhead. SI for night.
10-34-79	Pressured casing to 1000 psi. Squeezed perfs from 3304 to 3375 with 300 sx Class "B" with 2% calcium chloride. Squeezed to 2150 psi. Pull out of hole with packer and SI for night.
10-25-79	Squeezed bradenhead with 50 sx Class "B" with 2% calcium chloride. 3 bpm at 700 psi. Ran 4% " bit and 102 jts tubing and tagged cement at 3135' KB. Drilled out to bridge plug at 3320. Pressured 1300 psi, 15 minutes, held OK. Pulled 2 stands tubing. SI for night.
10-?6-79	Slight pressure on bradenhead. Bled right off. Bradenhead OK. SICP and TP zero. Drilled bridge plug at 33%0'. Lowered tubing and tagged sand fill at 3460'. Drilled out to 3470'. Pulled 5 stands tubing and SI for night.
10-37-79	Lowered tubing and tagged fill at 3468'. Cleaned out to 3486' and lost circulation. Lost 100 bbls. Cleaned out to 3644. Pull out of hole. Ran 113 jts tubing totaling 3516' and landed at 3518' KB. Rig up to swab. IFL 100'. Recovered 21 BbW in 2 runs and SI for weekend.
10-28-79	Sunday- Crew off.
10-29-79	SITP zero, SICP 800 psi. IFL 200'. Made 18 runs, well kicked off flowing. Measured gas at 766 MCF with FTP 50 psi, FCP 425 psi.
10-30-79	After flowing 18 hrs through $3/4"$ choke, FCP 275 psi, FTP 40 psi, rate 643 MCFPD. Landed tubing at 3515. Nipple down BOP and nipple up tree. SI for night.
10-31-79	SICP 650 psi, SITP 175 psi. Flowed 8 hrs on 3/4" choke, FCP 210 psi, FTP 54 psi, rate 816 MCFPD. Making heavy spray of water.
11-1-8-79	Blew well intermittenly to clean up: Typical date: SICP 650 psi, SITP 580 psi. Flow 3 hrs thru 3/4" choke, FTP 60 psi, FCP 200 psi, rate 890 MCFPD. Burned continously but still slighty wet.

SICP 650 psi, SITP 620 psi. 11-9-21-79

Bled well down. Move in rig. Pull tubing. Ra 1600 RTTS packer and 110 11-21-79 jts tubing and set packer at 3424' KB. Opened tubing (Pictured Cliffs) on 3/4" choke. After 45 minutes FTP 70 psi, FCP 25 psi, rate 1014 MCFPD with moderate spray of water. SI for Thanksgiving.

11-22-79 Thanksgiving-Crew off

SICP 1000 psi, SITP 610 psi. Flowed tubing 9 hrs through 3/4" whoke, FTP 11-23-79 56 psi, FCP 1120 psi, rate 841 MCFPD. Burned 95% of time. SI for night.

SICP 1140 psi, SITP 630 psi. Blew caning and tubing for 9 hrm. FTP 58 psi, rate 866 MCFPD. FCP zero, only 2' flare out casing. SI for weekend.

Sunday-Crew off 11-25-79

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COMPLETION SUMMARY CONTINUED

Unloaded lots of water. Pull packer out of hole. Ran HALCO retrievable bridge plug and new RTTS packer and set bridge plug at 3123' KB and RTTS at 3241' KB. Flowed tubing (Fruitland) thru 3/4" choke. FTP 2 psi, rate 173 MCFPD. Ran swab. IFL 3000'. Recovered 20' of water. 2nd run - no recovery. After 2 hrs flowing FTP 2 psi, rate 173 MCFPD. SI for night.

11-27-79

SITP 1150 psi, SICP 10 psi. Bled tubing to zero in 10 minutes, did flare. Lowered RTTS packer to 317' KB. Rig up HALCO and acidized Fruitland with 4000 gallons 15% HCL and flushed with 14 bb! 2% KCL water. AIR 5 bpm at 2200 psi. BDP 2800 psi. ISIP 400 pis, 5 min SIP zero. Total load water to be recovered 109 bbls. Rig up to swab. IFL 1000'. Made 13 runs and recovered 75 BLW and well kicked off flowing. Installed 3/4" choke. After flowing 45 minutes, FTP 45 psi, rate 705 MCFPD. Too wet to burn. Left open overnight.

11-28-79 Well flowed overnight, FTP 57 psi, 853 MCFPD. Released packer and lowered tubing to 3414' KB and left packer unset. Flowed well out easing 5 hrs, FCP 43 psi, TP 300 psi, rate 680 MCFPD, burned continiously. Left well open overnight.

11-29-79
Well flowed overnight, FCP 50 psi, TR 350 psi, rate 767 MCFPD. Bled well down, latch onto bridge plug at 3423' KB and pull out of hole. Rig up McCullough and set Baker Model "F" packer at 3420' KB. Ran Production tubing as follows:

	Baker Production tube	5.06'		
	Baker 1.78 "F" nipple	.96'		
•	Sub 2 3/8"	6.05		
	Seal Section	2.80'		
	Locator		.75	
	Paker Model "L" sliding	sleeve	2.65'	
108	jts 2 3/8" tubing		3360.531	
	Sub 2 3/8"		8.18'	
	Sub 2 3/8"	. \$	4.10'	
	Sub 2 3/8"		4.10'	
1	jt 2 3/8" tubing		30.691	
109		14.87'	3411.00'	
•	10	unded below KB	9.00'	
		packer at	3420.00' KB	

End of production tube at 3435' KB. Tubing landed with 8000 lbs on packer. Top of "F" nipple at 3429' KB. Top of sliding sleeve at 3417' KB. Nipple down BOP and nipple up tree. Rig up and pump out plug in "F" nipple. SI for night.

SICP and TP 665 psi. Pressures communicated. Flowed tubing (Pictured Cliffs) 7 hrs, thru 3/4" choke, FTP 68 psi, rate 989 MCFPD. Flowed casing (Fruitland) 7 hrs, thru 3/4" choke, FCP 7 psi, rate 235 MCFPD. Release rig and SI well.

SICP and TP 675 psi. Bled casing through 3/4" choke ½ hour, CP 130 psi, TP fell to 350 psi. Rig up to check that sleeve is closed. It was closed. Set blanking plug in "F" nipple.

Elledge Consulting & Production Company

COMPLETION SUMMARY CONTINUED

13-2-79	Sunday-Crew o	ſſ
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12-3-79 More in pulling unit. CP 700 psi, TR 70 psi. Nipple up BOP. Fulled out of hole hot. SI for night.

12-4-79 SICP 650 psi. Ran final production tubing as follows:

	Baker production tube	5.061	
	Baker 1.78" ID "F" ni	pple .96'	
	Sub 2 3/8"	6.081	
	Seal section	3.561	
	Locator		.75'
	Sliding Sleeve	*	2.62
1	jt 2 3/8" tubing	*	31.23'
	Blast jt.		19.84'
121	Blast jt.		19.34'
106	jt 2 3/8" tubing		3301.78'
	Sub 2 3/8"		2.20'
	Sub 2 3/8"		4.10'
1	jt 2 3/8" tubing		29.14'
108	jts	15.63'	3411.00'
	-	landed below KB	9.00'
		packer at	3420.00' KB

Packer has 8000 lbs set on it. End of production tube at 3436' KB. Top of "F" nipple at 3430' KB. Top of sliding sleeve 3417' KB. Blast joint from 3385' to 3346'. Nipple down BOP, nipple up tree. SI for night.

Rig up and fish plug out of "F" nipple. Rig down rig. SICP 670 psi, SICP 692 psi. Flowed tubing 3 hrs thru 3/4" choke, FTP 100 psi, rate 1385 MCFPD. Casing pressure bled to 270 psi. SI pending orders.

Harold W. Elledge, P.E. Petroleum Engineer

HWE/jr

BEFORE EXAMINER STAMETS
OIL CONSERVATION DIVISION
EXHIBIT NO. 6
CASE NO. 6840
Submilled by Union Texas Repoleum
Date 3-26-80

UNION TEXAS PETROLEUM JOHNSTON FEDERAL 11-Y

PROPOSED ALLOCATION FORMULA

The following is Union Texas Petroleum's proposal for an allocation formula for the Fruitland and Pictured Cliffs Formations in the captioned well. Should this formula be unacceptable to the New Mexico Oil Conservation Division, Union Texas Petroleum will gladly work with the state to establish a suitable formula.

NOTE: Royalty owners and working interest owners are common and equal for

It is proposed that allocation of production to the Fruitland Formation be based on observed Fruitland flowing rates during completion and observed Fruit-

1. Last observed Fruitland flow rate on 11/26/79

- 173 MCFPD

Predicted Fruitland decline rate

- 40% First Year - 12% Thereafter

Proposed allocation by year (MCF/month) with the stipulation that Fruitland allocated production does not exceed 20% of the total commingled pro-

YEAR	FRUITLAND ALLOCATION MCF/MONTH	
1980 (1st Production July 1981) 1982 1983 1984 1985 1986 1987 1988 1989 1990 1991 1992 1993 1994 1995 1995	7	

Docket No. 8-80

Dockets Nos. 9-80 and 10-80 are tentatively set for April 9 and 23, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - MARCH 26, 1980

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

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

- CASE 6838: Application of Amax Chemical Corporation for the amendment of Order No. R-111-A, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks the amendment of Order No. R-111-A to extend the boundaries of the Potash-Oil Area by the inclusion of certain lands in Sections 11, 12, and 13, Township 19 South, Range 30 East, and Sections 7 and 18, Township 19 South, Range 31 East.
- CASE 6839: Application of Kimbell Oil Company for downhole commingling, Rio Arriba County, New Nexico.

 Applicant, in the above-styled cause, seeks approval for the downhole commingling of Otero-Chacra and South Blanco-Pictured Cliffs production in the wellbore of its Salazar Well No. 4-26 to be located in Unit D of Section 26, Township 25 North, Range 6 West.
- CASE 6840: Application of Union Texas Petroleum for downhole commingling, San Juan County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the downhole commingling of Fruitland and Pictured Cliffs production in the wellbore of its Johnston Federal Well No. 11Y located in Unit N of Section 7, Township 31 North, Range 9 West.
- CASE 6841: Application of CIG Exploration, Inc. for two non-standard gas proration units, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of two non-standard gas proration units in Township 16 South, Range 28 East, the first being 219.6 acres comprising Lots 1 thru 8 of Section 1 and the second being 219.92 acres comprising Lots 1 thru 8 of Section 2, for the Wolfcamp, Pennsylvanian, and Mississippian formations, each unit to be dedicated to a well to be drilled at a standard location thereon.
- CASE 6842: Application of ARCO Oil and Cas Company for an unorthodox gas well location, simultaneous dedication, and approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its W. C. Roach Well No. 6, 660 feet from the North line and 1980 feet from the West line of Section 21, Township 20 South, Range 37 East, Eumont Gas Pool, to be simultaneously dedicated with its W. C. Roach Well No. 1 in Unit D to the W/2 of said Section 21. Also sought are findings that the proposed well is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing unit well.
- Application of Yates Petroleum Corporation for two compulsory poolings, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Yeso formation underlying two 40-acre proration units, the first being the SE/4 SE/4 and the second being the SW/4 SE/4 of Section 6, Township 19 South, Range 25 East, Penasco Draw Field, each unit 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 wells and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designstion of applicant as operator of the wells and a charge for risk involved in drilling said wells.
- CASE 6844: Application of Arcowhead Oil Corporation for two exceptions to Order No. R-111-A and an unorthodox well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the casing-cementing rules of Order No. R-111-A to complete its Creek Federal Well No. 3 at an unorthodox location 250 feet from the North line and 2350 feet from the East line and its Creek Federal Well No. 4 to be drilled in Unit G, both in Section 23, Township 18 South, Range 30 East, by setting surface casing at a depth of approximately 600 feet and production casing at total depth. The production casing would have cement circulated back to the potash zone in the salt section.
- Application of Marathon Oil Company for an unorthodox gas well location, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the unorthodox location of a well to be drilled 800 feet from the East line of Section 30, Township 21

 South, Range 23 East, Indian Basin-Upper Pennsylvanian Gas Pool, all of Section 30 or that portion thereof which may be reasonably presumed productive of gas from said pool to be dedicated to the well.

CASE 6846: Application of Doyle Hartman for two compulsory poolings, two non-standard gas proration units, and two unorthodox well locations, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Eumont Gas Pool underlying two 80-acre non-standard gas proration units, the first being the S/2 NE/4 of Section 13, Township 21 South, Range 36 East, to be dedicated to a well to be drilled at an unorthodox location 1650 feet from the North line and 2310 feet from the East line of said Section 13, and the second being the N/2 NE/4 of said Section 13 to be dedicated to a well to be drilled at an unorthodox location 1330 feet from the North line and 2310 feet from the East line of said Section 13. Also to be considered 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. Also to be considered will be the designtion of applicant as operator of the wells and a charge for risk involved in drilling said wells.

CASE 6834: (Continued and Readvertised)

Application of Conoco Inc. for a dual completion and unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its SEMU Burger Well No. 107 at an unorthodox location 2615 feet from the South and East lines of Section 19, Township 20 South, Range 38 East, to produce oil from the Blinebry Oil and Gas and Drinkard Pools.

CASE 6837: (Continued from March 12, 1980, Examiner Hearing)

Application of Curtis Little for compulsory pooling, Rio Arriba County, New Mexico.

Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the W/2 of Section 7, Township 25 North, Range 3 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. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.

CASE 6847: Application of Tenneco Oil Company for dual completions and downhole commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks authority to dually complete, in such a manner as to produce gas from the Dakota formation and commingled Chacra and Mesaverde production through parallel strings of tubing, ten proposed wells to be located as follows: in Township 29 North, Range 10 West: Unit C, Section 19; Unit N, Section 19; Unit A, Section 30; and Unit D, Section 30; in Township 29 North, Range 11 West: Unit G, Section 24; Unit O, Section 24; Unit A, Section 25; Unit D, Section 25; Unit M, Section 25; and Unit P, Section 25.

CASE 6818: (Continued from March 12, 1980, Examiner Hearing)

Application of Tenneco Oil Company for an NGPA determination, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks a new onshore reservoir determination for its State HL 11 Well No. 1 located in Unit N of Section 11, Township 19 South, Range 29 East.

CASE 6849: (This is the same matter as was previously designated Case No. 6813,)

Application of Petroleum Development Corporation to amend Order No. R-6196, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks to amend Order No. R-6196 which authorized re-entry of a well at an unorthodox location in the Lusk-Morrow Gas Pool to be dedicated to the H/2 of Section 13, Township 19 South, Range 31 East. Applicant now seeks approval for a new revised location 750 feet from the North line and 660 feet from the West line of said Section 13.

GASE 6848: Application of Petroleum Development Corporation for pool contraction and creation, Lea County, New Mexico. Applicant, in the above-styled cause, seeks the contraction of the Querecho Plains-Bone Spring Pool to comprise the Upper Bone Spring formation only, from 8390 feet to 8680 feet on the log of its McKay West Federal Well No. 1 located in Unit F of Section 34, Township 18 South, Range 32 East, and the creation of the Querecho Plains-Lower Bone Spring Pool to comprise said formation from 8680 feet to the base of the Bone Spring underlying the NW/4 of said Section 34.

CASE 6826: (Continued from March 12, 1980, Examiner Hearing)

Application of Tahoe Oil and Cattle Company for compulsory pooling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Penrose Skelly Pool underlying the SE/4 SE/4 of Section 25, Township 21 South, Range 36 East, to be dedicated to its Bromlee Well No. 1 located thereon. Also to be considered will be the cost of recompleting said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in recompleting said well.



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION' AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD AZTEC, NEW MEXICO 87410 (505) 334-6178

February 29, 1980

Mr. Don Wells Union Texas Petroleum Corporation 1860 Lincoln Street #1010 Denver, Colorado 80295 Case 6840

Re: Johnston Federal #11Y

N-7-31N-9W

Dear Hr. Wells:

Please file the returned forms C-104 on the revised forms which are attached.

Order R-5737 is still valid for a non-standard proration unit for the Pictured Cliffs formation for the above well. However, the Fruitland formation still will require an application.

It is not necessary to have a multiple completion order and downhole commingling order. Therefore, we have handled your application as a request for downhole commingling.

If you have any questions, please call.

Yours truly,

Frank T. Chavez District Supervisor

FTC:dh

Enclosures



Union Texas Petroleum Division Suite 1010 Lincoln Tower 1880 Lincoln Street Denver, Colorado 80203

February 22, 1980

Case 6840

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

Re: Johnston: Federal #11Y
SE SW Sec.7-T31N-R9W
Blanco Pictured Cliffs and
Blanco Fruitland Fields
San Juan County, New Mexico

Gentlemen:

Attached please find the following documents on the captioned well:

- 1. Well Completion Report (Form 9-330)
- 2. Affidavit of Deviation Surveys
- Packer Leakage Test
- 4. Request for Allowable (Form C104)
- 5. Application for Approval of a Non-Standard Proration Unit
- 6. Application for Multiple Completion (Form C-107)
- 7. Application for Approval to Down Hole Commingle Production

In support of our various applications the following information is offered:

APPLICATION FOR NON STANDARD PRORATION UNIT

Due to variations of legal subdivisions of public land surveys, the quarter sections along the western boundary of Township 31 North, Range 9 West are irregular in size. Because of this irregularity we are unable to form a standard 160 acre proration unit, and are asking the Commission to approve the non-standard proration unit consisting of the west half of Section 7 containing 209.5 acres.

The subject well was drilled as a replacement well for Johnston Federal #11 which has been plugged and abandoned. By virtue of Case No. 6227 (May 17, 1978) and Order No. R-5737 (June 12, 1978), which approved the same non-standard proration unit for Johnston Federal #11; we request adminstrative approval of the non-standard proration unit for our replacement well. Attachment I includes waivers from offset operators and a survey plat of the well and proposed proration unit.

OIL CONSCIPMATION DIVISION SANTA FE

New Mexico Oil Conservation Commission Johnston Federal #11Y February 22, 1980 Page - 2 -

APPLICATION FOR MULTIPLE COMPLETION

The Johnston Federal #11Y was drilled for Pictured Cliffs production. While drilling the well gas kicks were also observed in the Fruitland section, and both zones have been perforated. Attachment II includes Form C-107, a well bore diagram, land plats, waivers from offset operators, and a log of the well.

APPLICATION TO DOWN HOLE COMMINGLE

Completion operations on the Johnston Federal #11Y were in progress from October 12, 1979 to December 14, 1979. Over \$110,000 has been spent on the completion attempt, for a total well cost to date of approximately \$210,000. Among some of our problems, we had to cement squeeze the upper Fruitland perforations to repair a channel that extended to the surface. After squeezing and additional stimulation, productivity is not as good as before, indicating unrepaired damage to the zone has occurred. While attempting to stimulate the Fruitland after the squeeze job, communication outside the pipe to the Pictured Cliffs was apparently initiated. The enclosed Packer Leakage Test verifies that the Fruitland and Pictured Cliffs zones are in communication. We have pulled our production tubing on two occasions but have found no leaks, thus indicating that the communication between zones is behind pipe. contention that further cement squeezings would present an undue hardship not only because of the expense involved, but also because it undoubtedly would further damage the productivity of both zones and would result in ultimate loss of reserves. We therefore request approval to down hole commingle the Fruitland and Pictured Cliffs zones in this well. Waivers from the offset operators and a well bore diagram were included in Attachment II. Attachment III is a resubmittal of the Sundry Notice of Completion on the well which somewhat details our completion operations on the well.

Should any of our applications not qualify for administrative approval, please place the matter on the docket for hearing.

> Yours very truly, DONALD B. WELLS District Production Manager Cabaton

DBW/jcn

New Mexico Oil Conservation Commission Attach.

1000 Rio Brazos Road Aztec, New Mexico 87410

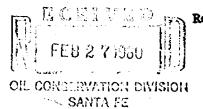


Union Texas Petroleum Division Suite 1010 Lincoln Tower 1880 Lincoln Street Denver, Colorado 80295

Case 6840

February 22, 1980

U. S. Geological Survey P. O. Box 959 Farmington, New Mexico 87401



Re: Johnston Federal #11Y SE SW Sec.7-T31N-R9W Blanco Pictured Cliffs and Blanco Fruitland Fields San Juan County, N. Mexico

Gentlemen:

Enclosed in duplicate for your further handling are two Form 9-330 reports on the subject well. One of these reports covers the completion of the well in the Pictured Cliffs Formation; the other report in the Fruitland Formation.

District Production Manager

DBW/jcn

New Mexico Oil Conservation Commission

P. O. Box 2088

Santa Fe, New Mexico 87501

New Mexico Oil Conservation Commission 1000 Rio Brazos Road Aztec, New Mexico 87410

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BIONED	. W.	CLAXI	ON		T	11111	<i></i>		AULLUP	LEN	LLNEDATI	t	JAN. 8. 198

*(See Instructions and Spaces for Additional Data on Reverse Side)

NORTHWEST NEW MEXICO PACKER-LEAKAGE TES

(VA1	CION	COMMISS	BION PO	selevised H1-1-58
AC	ŒR-I	LEAKACE		The state of the s
Le	886	Lohns	ton Federa	Well 1 No. 11-Y
nge bor	·	Method	of Prod.	y San Juan Prod. Medium
13)			Art. Lift)	
		F	low	Casing
	1	<u>i. 1</u>		
ppr	COLL	E DATA	low	Tubing
110	2000	SI pres	35.	Stabilized?
a y s	3	psig	718	(Yes or No) yes
		SI pres	33.	Stabilized?
ays		psig	718	(Yes or No) Yes
NC	/• 1	Zone n	educing (line	er or Lower):
	Proc	i. Zone	CONTRACTOR COPP	o. Dong. J.
		.	Re	marks
				<u></u>
				
	<u></u>			
in		Hr:	s. Gr	av. GOR
e (or Me	eter):		itive choke
		RE DATA		
		SI pre	35.	Stabilized?
s		osig		(Yes or No) Yes Stabilized?
s		SI pres		(Yes or No) Yes
s P No	0. 2	hork	<u> </u>	TOU OF MOT IES
		Zone p	roducing (Upp	per on Lower):
		d. Zone	·	
L.	T	emp.	Re	emarks
				į
D ₁	30	EIV.		
- 1		Tarti — Alexandr Bernaul.		
	FEI	3 2 7 198		18 18 18
	I.,		 	A STATE OF THE STA
- CC		Walley VI	water L	1 000 - 646
-	37	STAFE		JAN 2 A COM.
			 	11/19/19/3
				OIL CONST. 3
			والمراجع والمنابث والروان والمناف والمراجع	The state of the s

perat	or	Union Texa	s Petroleum	Le	ase lohns	ton Federa	1 No. 11-Y
ocati		t. N Sec. 7	Twp31	N Røe	9 W	Count	y San Juan
74 1102				Type of Prod.	Method	of Prod.	Prod. Medium
	!	Name of Reser	voir or Pool	(Oil or Gas)	(Flow or	Art. Lift)	(Tbg. or Csg.)
Jpper Comple		Fruitlan		Gas	Fl	ow	Casing
Lower Comple	tion Bl	anco Pictu:	red Cliff	Gas	F1	OW	Tubing
			PRE-F	LOW SHUT-IN PRE			
Commo ?	Hour, de	in 12-5-79	Length	of t-in 7 days	SI pres	5 5. 718	Stabilized? (Yes or No) Yes
ower	Hour, de	ate 12-5-79	Length	of	SI pres	15.	Stabilized?
Compl	Shut-	$in \frac{12-5-79}{12}$	time shu	t-in 7 days	psig	718	(Yes or No) Yes
Common	ced at	(hour, date)	12_12	FLOW TEST NO	Zône pr	educing (linn	er or Lower):
TI	me	Lapsed time	Pres	79 sure	Prod. Zone	CPP	
bour,	date)	since*	Upper Compl.	Lower Compl.	Temp.	Re	marks
		0-days 15-min	718 81	718	,		
***	o p.m.	13-win	01	403			
		30-min	62.	345			
		45-min	51	318			
	,	1-hour	47	289	~		
		2-hours	42	265			
od	tion was	3-hours te during tes	38	250			
Dil:	eron La	BOPD ba	sed on	Bbls. in	Hrs	Gr	av. GOR
Ges:	604	N	CFPD; Tested	thru (Orifice o	r Meter):_	3/4 pos	av. GOR itive choke
17	IIaaaa d		MID-1	EST SHUT-IN PRE	SSURE DATA SI pres		Stabilized?
Compl	Shut-	ate in 12-12-79	time shu	t-in 7 days	osig		(Yes or No) Yes
Lower	Hours di	àt.e	Length	of	SI pres	35.	Stabilized?
Compl	Shut-	in 12-5-79	time shu	t-in14 days FLOW TEST NO		697	(Yes or No) yes
Commen	ced at	(hour, date)	(*	FEON TEST IN	Zone pr	oducing (Upp	er on Lower):
	me	Lapsed time	Pres		Prod. Zone		
	date)			Lower Compl.	Temp.	Re	marks
	9-79 p.m.	0 days 15 min	697 460	6,97 236		 	
-		30 min	409	162	17.5 a 65. LASS 4 64.	(D) (F)	
		45 min	387	150	FEB 2 7132	0	
		1-hour	359	148 00.00	Majayaran.		
	er eksember a jungger er er kalandeliste fil te	2-hours	341	128	Shirt A Fil		30 COM. 3
		3-hours	323	118			ou const.
Produc	tion ra	te during tes	st	Andrew agentesiadorinagos que, vientententententententententent.			
011:		BOPD ba	ased on	Bbls. in_ i thru (Orifice	Krs.	Grav.	COR
Gas:	15/2		MCFPD; Tested	thru (Orifics	or Meter):	3/4 posit	ive choke
REMARK	'S:	ayayan aharan karan aharan	positionings occupied the desired politics, provide Total and	·			
I here	by cert	ify that the	information	merein contained	i ie true a	nd complete t	to the best of my
knowle	sdge.				^ .		
A ====	. M	of Anna	med 10	Opurate	or Union	Texas Pet	roleum
Won i	lexico O	il Conservat	ion Commission	n By	Nona	ed M	
Ву	Repa	n Key	ion Commission	Title_	Distri	ict Productio	n Manager
					Januar	у 8, 1980	d derrite materiales survive resources. Survive displaced despitation of

NORTHWEST NEW MEXICO PACKER-LEAKAGE TEST

Ada at the same at the same				DIC-DICKIONOU TEOT	We:	
cation				ast_iohnston		
	nit N Sec. 7	Twp311	N Rge	• 9W	County San	Juan
	-		Type of Prod.	Method of Pr	rod. Prod	Medium
per	Name of Reser	voir or Pool	(Ull or Gas)	(Flow or Art.	Lift) (Thg.	or Csg.)
pletion	Fruitian	d	Gas	Flow	С	asing
er pletion	Blanco Pictus	red Cliff	Gas	Flow	т	ubing
		PRE-F	LOW SHUT-IN PILE	SSURE DATA		
er Hour,		Length		SI press.		Lized?
	in 12-5-79		t-in 7 days			or No) yes
er Hour, pl Shut		Length time shir	or t-in 7 days	SI press.		Lized? or No) Yes
Jinut	7-11	i chie suu	FLOW TEST NO). 1	//162	. NOT LES
menced at	(hour, date)*	12-12-7	79	Zone produc	ing (Upper) or Le	ower):
Time	Lapsed time	Pres	sure	Prod. Zone		
			Lower Compl.	Temp.	Remarks	
2-1 2-79 1:30 p.n	0-days n.15-min	718 81	718 403			
	30-min	62.	345			-
•	45-min	51	318			
	1-hour	47	289			
	2-hours	42	265			
	3-hours	38	250			
	rate during tes	t	M-1 - 1	***	(· ·	COR
604	BOPD ba	CEDD. Tested	thru (Orifice o	Hrs.	Grav	
* <u>-</u>	P		EST SHUT-IN PRE		1 - DOSTITA	
er Hour,	date	Length	of	SI press.		lized?
ol Shut	-in 12-12-79	time shu	t-in 7 days			or No) yes
er Hour, pl Shub	date -in 12-5-79	Length	of t-in14 days	SI press.		lizod? or No) yes
eri sung	,-III 3 -1)	time snu	FLOW TEST NO		U7/ (les	or not yes
menced at	(hour, date)*	×		Zone produc	ing (Upper on L	ower/):
Time	Lapsed time	Pres		Prod. Zone		
ur, date			Lower Compl.	Temp.	Remarks	
-19-79 4: p.m.	O days 15 min	697 460	697 236			
1967 - F. J.	30 min	409	162	ZAVAF		
	45 min	387	IN FE	B 2 7 1380	je se programa se programa A popular se programa se p	The state of the s
			Concern :	121.1		
All the same compared to the same point to each con-	1-hour	3 5 9	148-04/3	MATICAL PROPERTY.		V ST WALL A
المراحة مقاملات والمسيد موري ومجودة الموالية	2-hours	341	128		1, 1, 1, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 1, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2, 2,	CON' !
	3-hours	ll	118		CIL	(gr.) /
duction r	rate during tes	t	P1). 7	11	Connec	COR
	BOLD pa	isea on	thms (Original	Mrs. or Meter): 3/4	orav.	The same of the sa
13/		morru; Tested	varu (Urllice	or Meter): 3/4	positive ch	286
ARKS:						·
* GROWEN	aranan yan arang yang meneripa da kalandar da kalandar da kalandar da kalandar da kalandar da kalandar da kala					
 						ant at the
	rtily that the	information h	erein contained	is true and co	mbrate to the p	ear of my
wlodge.	nAA		Onerstr	y Onion Tex	as Petroloum	
royed:	Oil Consurvati	oracl 19	ohot.gr(1/1		
H Mexico	Oil Conservati	on Commission	By	Nonald	12/10	
•	un Roya	i i ii		District P	roduction Manag	r
-	. 0			January 8,		
					AND THE RESERVE OF THE PROPERTY OF THE PROPERT	4-40- mark 4000-000-000-000-000-000-000-000-000-00

NORTHWEST	NEW.	MEXICO	PACKER-LEAKAGE	TEST
MONTH INTO T	AT LOTTE	LITTLE	t worth_front theath	11001

		_		The state of the s					Well
rator_ cation	Union Tex	as Pc	troleum	t	Ø8S9	Iohn	ston Fed	oral	No11-Y
	Unit_N_Sec	7 T	wp. 31	N Rg	ge .	9 W	Co	unty	San Juan Prod. Medium
				Type of Prod	i	Kethod	of Prod.		Prod. Medium
	Name of Res	ervoir	or Pool	(Oil or Gas)	(Flow or	Art. Lift		(Thg. or Cag.)
er pletion				Gas		F	low		Casing
er pletion	Blanco Pict	ured	Cliff	Gas		F	low		Tubing
			PHE-F	LOW SHUT-IN PR					
er How	r, date	70	Length	of		SI pre			Stabilized?
	hut-in 12-5- r, date	7,7	Length	t-in 7 day	5	SI pre	718		(Yes or No) yes Stabilized?
	hut-in 12-5-	79	time shu	t-in 7 day	s (0.)	psig	718		(Yes or No) Yes
menced	at (hour, date Lapsed tim)*	12-12-	79		Zone pi	roducing (Uppe	or Lower):
Time	Lapsed tim				Pro	d. Zone			
ur, dat	te) since*			Lower Compl.	Te	mp.	<u> </u>	Rem	arks
1:30 p	9 0-days		718 81	718 403					
	30-min		62.	345					
• .	45-min		51	318					
	1-hour		47	289					
	2-hours		42	265					
	3-hours		38	250					
duction	n rate during t	est			.1		<u></u>		·····
	BOPD	based (on	Bbls.in		Hr:	5	_Gra	VGOR
: 6	04	_MCFPD	; Tested	thru (Orifice	or M	eter):_	3/4 p	osi	tive choke
anl Varia	r, date			TEST SHUT-IN PR	<u> </u>		58.		Stabilized?
or now	nut-in 12-12-	79		nt-in 7 days					(Yes or No) Yes
er Hou	r. date			of		SI pre	es.		Stabilized?
pl Si	nut-in 12-5-7	9		t-in14 days		psig	697	į	(Yes or No) Yes
				FLOW TEST N	0. 2				
menced								Uppe:	r on Lower/):
Time	Lapsed tim			sure		d. Zone		Dom	arks
ur, dat		Uppe	r Compl.	Lower Compl.	┼─┴	emp.		пеш	arks
2-19-7 4: p.			697 460	697 236					
	30 min		409	162					
	45 min		387	150	**************************************		2 70	الم	and the second
	1-hour		359	148	1	? 7 (Sym		1	~ \
	2-hour	s	341	우리 66년 128	3/2 \$/200		int _{el} a	-	242 COM. 1
	3-hour	s	323	118				1	of chief.
duction	n rate during t	est				والمائية الشهور والمائلة التواويون الأرا			
L:	BOPD	based	on	Bbls. in		Krs.	Gr	ar.	COR
	572	MCFP	D; Tested	thru (Orifice	or	Meter):	3/4 pos	iti	ve cheke
arks:_		()	and a selection of the contract of the contrac	hinter de Allen de Arthurge com de Conservation (contra de Conservation de Conservation de Conservation de Cons	·	**************************************			
Manahia a	namifor that the	a (ne's	mation b	arain antain	H 1-	twin a	nd complet	e to	the best of my
owroge. Wotoph (a mino	THE THE	* ** ATTL COLLCATI)	,u 10	olug 0	"" combron		and coop at m
			1	• Operat	or /	Junion	Texas P	etro	oleum .
proved:	Not Areya	more	1 19		7	/	111 1	7	
				i By	14	BAR	10/1		
Kay	eain Rey	Long	ted	Title_		Distr	let Produc	tion	Manager
10		_		Dato		Januar	ry 8, 1980		ng manggap maka sprésin. Pron <u>magapingapinga</u>
			The second secon	-					

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NO. OF COPIES REC	EIVEO	ĺ	
DISTRIBUTIO			
SANTA FE			
FILE			
U.S.G.S.			
LAND OFFICE			
TRANSPOSTER	OIL		
7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	GAS		
OPERATOR			
PRORATION OF			

DISTRIBUTION	NEW MEYICO OIL CO	ONICE CONTROLLED CONTR						
SANTA FE		ONSERVATION COMMISSION FOR ALLOWABLE	Supersedes Old C-104 and C-116					
FILE		AND	Effective 1-1-65					
U.S.G.S.	AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS							
LAND OFFICE	AND ADDRESS OF THE PROPERTY OF							
TRANSPORTER GAS								
OPERATOR								
PRORATION OFFICE			_					
Operator								
UNION TEXAS PETROLEU	M CORPORATION							
	#1010 Demon Onland	- 90305	· [
Reason(s) for filing (Check proper box)	#1010, Denver, Colorad	Other (Please explain)						
New Well	Change in Transporter of:	Give (1 source out man)						
Recompletion	Oil Dry Gas	s 🗀	. 1					
Change in Ownership	Casinghead Gas Conden	sate						
If change of ownership give name								
and address of previous owner	<u> </u>							
DESCRIPTION OF WELL AND I	DAGD							
Lease Name		ne, Including Formation	Kind of Lease					
JOHNSTON FEDERAL	11-Y Blan	co Pictured Cliffs	State, Federal or Fee Federal					
Location	· + 1 / / / / / / / / / / / / / / / / / /	LU TILLUIEU UIIIA	FEUEIAI					
Unit Letter N : 99	O Feet From The S Line	e and 790 Feet From	The W					
Line of Section 7 , Town	aship 31N Range	9W , NMPM, San J	uan County					
. DESIGNATION OF TRANSPORT	ED OF OIL AND NATURAL CA	c						
Name of Authorized Transporter of Oil		Address (Give address to which appro	wed copy of this form is to be sent)					
Plateau, Inc.		1921 Bloomfield Blag.,	Farmington, N. Mexico					
Name of Authorized Transporter of Casi	inghead Gas or Dry Gas 🔀	Address (Give address to which appro	wed copy of this form is to be sent)					
El Paso Natural Gas	s Co.	P. O. Box 990, Farming						
it well produces out or liquids,	Unit Sec. Twp. Rge.	Is gas actually connected?	en					
give location of tanks.	N 7 31N 9W	No.						
If this production is commingled with	that from any other lease or pool,	give commingling order number:						
. COMPLETION DATA	Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v.					
Designate Type of Completion	$\mathbf{x} = (\mathbf{X})$	x						
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
7/23/79	12/4/79	3650' KB	3644¹ KB					
Poel	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
Blanco Pictured Cliffs Perforations	Pictured Cliffs	34331	3420 KB Depth Casing Shoe					
	7-3453; <u>3462-3470; 34</u> 76-	80: 3/85-91 w/jet chote						
3433-30, 3440-42, 3447		CEMENTING RECORD	1 3034 KB					
110LE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12~1/4"	9-5/8"	3341	200 sx.					
7-7/8"	5-1/2"	36541	1200 sx.					
	2-3/8"	3420'						
. TEST DATA AND REQUEST FO OIL WELL	R ALLOWABLE (Test must be a) able for this de	fter recovery of total volume of load oil pth or be for full 24 hours)	and must be equal to or exceed top allow-					
Date First New Oil Run To Tanks		Producing Method (Flow, pump, gas li	ift, etc.)					
Length of Test	Tubing Pressure	Casing Pressure	Choke Size					
Actual Prod. During Test	OIL-BAIS.	Water Bbls.	Gas-MCF					
	SANTA CE	1						
GAS WELL								
	Length of Test	Bbls. Condensate/AMCF	Gravity of Condensate					
1572	3							
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size					
Positive Choke	118		3/4"					
. CERTIFICATE OF COMPLIANC	E	OIL CONSERVA	ATION COMMISSION					
I hereby certify that the rules and re Commission have been complied w	egulations of the Oil Conservation		, 19					
above is true and complete to the	best of my knowledge and belief.	BY						
//	1	()						
11/ 1/								
Storald.	1 1/1/10/	11	compliance with RULE 1104, wable for a newly drilled or deepened					

DONALD B. WELESalwe)
District Production Manager
(Title)

February 21, 1980

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner,

SUBJECT WELL: JOHNSTON FEDERAL #11-Y

SE SW SECTION 7-T31N-R9W BLANCO PICTURED CLIFFS FIELD SAN JUAN COUNTY, NEW MEXICO

DEPTH	DEVIATION - DEGREES	HORIZONTAL DISPLACEMENT (FT.)	CUMULATIVE
350	0.50	3.1	3.1
710	0.50	3.1 .	6.2
1202	1.00	8.6	14.8
1734	1.00	9.3	24.1
2268	.75	7.0	31.1
2805	.75	7.0	38.1
3313	.75	4.3	42.4

I hereby swear or affirm that the information given herewith is a complete and correct record of all deviation surveys on this well so far as can be determined from available records.

Signed

Title: <u>District Production Manager</u>

The above Affidavit of Deviation Surveys was subscribed and sworn to before me this fourteenth day of January , 19 80 .

Quithe E. Whitself NOTARY PUBLIC

:	and the second s	<u> </u>			• -	
	COMIS RICHIVED S 1 4	<u> </u>	19 (a.e. e. a.e			1
7	DISTRIBUTION					
	SANTA FE			ONSERVATION COMMIS FOR ALLOWABLE	SSION	Form C+104 Supersedes Old C+104 and C+11
	FILE	'`	EGOLOI	AND		Effective 1-1-65
	U.S.G.S.	AUTHORIZATION	1 TO TRA	INSPORT OIL AND N	ATURAL G	AS
	LAND OFFICE					
	FRANSPORTER GAS					
	OPERATOR					
I.	PROPATION OFFICE			x		
	UNION TEXAS PETROLE	UM CORPORATION				
	Address 1860 Lincoln Street	#1010 Danisas	Colorad	A 80205		
	Reason(s) for filing (Check proper box)		COTOLAG	Other (Please	explain)	
	tiew Well	Change in Transporter	of:	_ }		
	Recompletion	Oil	Dry Ga	• 🖵		
·	Change in Ownership	Casinghead Gas	Conder	nearie 📗		
	If change of ownership give name and address of previous owner			·		
П.	DESCRIPTION OF WELL AND I	LEASE	* ******	·		
	Lease Name		o. Pool Na	me, including Formation		Kind of Lease
	JOHNSTON FEDERAL	11-Y	Blan	co Pictured Clif	fs	State, Federal or Fee Federal
	Location Unit Letter N 9	90 Feet From The S	Lin	e and	_ Feet From T	heW
			Range	gw , nmpm,	San Ju	an County
		· .			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
П.	DESIGNATION OF TRANSPORT Name of Authorized Transporter of Oil	OF Condensate			which approve	ed copy of this form is to be sent)
	Plateau, Inc.		_			Farmington, N. Mexico
	Name of Authorized Transporter of Cas	Address (Give address to	which approv	ed copy of this form is to be sent)		
	El Paso Natural Gas	s Co.		P. O. Box 990,	Farmingt	on, N. Mexico 87401
	If well produces oil or liquids,	Unit Sec. Twp.	Rge.	Is gas actually connected	i? When	n
	give location of tanks.	N 7 31N	<u> </u>	No.		
	If this production is commingled with COMPLETION DATA	h that from any other leas	e or pool,	give commingling order	number:	
- • •		Oil Well Gas Well				Plug Back Same Res'v. Diff. Res'v.
	Designate Type Completio		X	X	<u> </u>	i i
	Date Spudded	Date Compl. Ready to Prod	i.	Total Depth		P.B.T.D.
	7/23/79	12/4/79 Name of Producing Formati	lon	3650' KB		3644 KB
	Blanco Pictured Cliffs	Pictured Cliffs		34331		3420' KB
	Deeforations					Depth Casing Shoe
	3433-36; 3440-42; 344	7-3453; 3462-3470	: 3476-	80; 3485-91 w/je	t shots	3654 KB
		TUBING, CA	SING, AND	CEMENTING RECORD		
	HOLE SIZE	CASING & TUBING		DEPTH SE	Υ	SACKS CEMENT
	12-1/4"	9-5/8"		3341		200 sx.
	7-7/8"	5-1/2" 2-3/8"		3654' 3420'		1200 sx.
		2-3/0		3420		
w	TEST DATA AND REQUEST FO	PALLOWARIE (To	et must have	the resource of total volum	a of load oil a	nd must be equal to or exceed top allow-
٧.	OIL WELL	abl		pth or be for full 24 hours)		na mast be equal to or exceed top attout
	Date First New Oil Run To Tanks	Date of Test		Producing Method (Flow,	pump, gas lift	, etc.)
						Lotate Gran
	Length of Test	Tubing Pressure		Casing Pressure		Choke Size
	Actual Prod. During Test	Nr.5 Oli-Bbls.		Water-Bbis.		Gas-MCF
	·					
	GAS WELL					
	Actual Prod. Test-MCF/D	Length of Test		Bbls. Condensate/AMCF		Gravity of Condensate
	1572	3	<u> </u>			
	Testing Method (pitot, back pr.)	Tubing Pressure		Casing Pressure		Choke Size
-	Positive Choke	118				3/4"
ŸĬ.	CERTIFICATE OF COMPLIANC	Œ		ll OIL C	ONSERVA	TION COMMISSION

BY.

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and popplete to the best of my knowledge and belief.

DONALD B. WEEKS HAVE

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

SUBJECT WELL:

JOHNSTON FEDERAL #11-Y
SE SW SECTION 7-T31N-R9W
BLANCO PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

DEPTH	DEVIATION - DEGREES	HORIZONTAL DISPLACEMENT (FT.)	CUMULATIVE
350	0.50	3.1	3.1
710	0.50	3.1	6.2
1202	1.00	8.6	14.8
1734	1.00	9.3	24.1
2268	.75	7.0	31.1
2805	.75	7.0	38.1
3313	.75	4.3	42.4

I hereby swear or affirm that the information given herewith is a complete and correct record of all deviation surveys on this well so far as can be determined from available records.

Title: District Production Manager

Quithe E. Whitsell
NOTARY PUBLIC

The above Affidavit of Deviation Surveys was subscribed and sworn to before me this fourteenth day of January, 1980.

SANTA FE

DISTRIBUTION	NEW MEXICO OU. C	CONSERVATION COMMISSION	i i an an an
SANTA FE		FOR ALLOWABLE	ioim C+104 Supersedes Old C+104 and C+11 Uffective 1+1+65
U.S.G.S.	AUTHORIZATION TO TRA	AND ANSPORT OIL AND NATURAL C	
IRANSPORTER GAS			
OPERATOR PRORATION OFFICE			
UNION TEXAS PETROLE	UM CORPORATION		
1860 Lincoln Street Reason(s) for filing (Check proper box	, #1010, Denver, Colorad	lo 80295 Other (Please explain)	
flow Well	Change in Transporter of:	Other Is tende explicitly	
Recompletion Change in Ownership	Cil Dry Go Casinghead Gas Condei	 	
If change of ownership give name and address of previous owner			
DESCRIPTION OF WELL AND			
Lease Name		me, including Formation	Kind of Lease State, Federal or Fee
JOHNSTON FEDERAL Location	(11-Y Blan	ico Pictured Cliffs	Federal Federal
Unit Letter N ; 9	90 Feet From The S Lin	e and 790 Feet From	The W
Line of Section 7 , Tox	waship 31N Ronge	9W , NMPM, San Ji	ian County
DESIGNATION OF TRANSPOR'	FER OF OIL AND NATURAL GA	Address (Give address to which approx	ved copy of this form is to be sent)
Plateau, Inc.		1921 Bloomfield Bldg.	Farmington, N. Mexico
Name of Authorized Transporter of Car El Paso Natural Ga		Address (Give address to which appro-	ved copy of this form is to be sent)
If well produces oil or liquids,	Unit Sec. Twp. Rge.	P. O. Box 990, Farming to Is gas actually connected?	
give location of tanks.	! N ! 7 !31N ! 9W	No !	
If this production is commingled wire COMPLETION DATA	th that from any other lease or pool,		
Designate Type of Completic	on - (X) Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v.
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
7/23/79 Pool	12/4/79 Name of Producing Formation	3650' KB Top Oil/Gas Pay	3644 KB
Blanco Pictured Cliffs	Pictured Cliffs	3433 '	3420' KB
Perforations		20 2/05 01 35	Depth Casing Shoe
3433-36; 3440-42; 344	7-3453; 3462-3470; 3476- TUBING, CASING, ANI	O CEMENTING RECORD	3654' KB
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4" 7-7/8"	9-5/8" 5-1/2"	334' 3654'	200 sx. 1200 sx.
7-770 	2-3/8"	3420'	1200 SX.
TEST DATA AND REQUUST, F	OR ALLOWABLE (Test must be a	fter recovery of total volume of load oil	and must be equal to or exceed top allow
Date First New Oil Run To Tanks	able for this de	epth or be for full 24 hours) Producing Method (Flow, pump, gas li	and must be equal to or exceed top allow
		0.4.	LOUIS COM
Length of Test C.H. GCACA PARTON	Tubing Plessure	Casing Pressure	Choke Size
Actual Prod. During TeshANTA FE	OII-Bhis.	Water - Bbis.	Gas-MCF
GAS WELL			
Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
1572	3	Carlos	0.1-0.
Testing Method (pitot, back pr.) Positive Choke	Tubing Fressure	Casing Pressure	Choke Size
CERTIFICATE OF COMPLIAN	· · · · · · · · · · · · · · · · · · ·	OIL CONSERVA	TION COMMISSION
		APPROVED	
Commission have been complied v	regulations of the Oil Conservation with and that the information given best of my knowledge and belief.		•
moore to ride and hombiers to the	. veat or my knowledge and belief.	BY	

DONALD B. WITTERSTORE)

District Production Manager (Tale)

February 21, 1980

This form is to be filed in compliance with RULE 1104. If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner,

SUBJECT WELL:

JOHNSTON FEDERAL #11-Y
SE SW SECTION 7-T31N-R9W
BLANCO PICTURED CLIFFS FIELD
CAM THAN COUNTY MEN MEYICO SAN JUAN COUNTY, NEW MEXICO

DEPTH			
350	DEVIATION - DEGREES		
710	0.50	DISPLACEMENT (FT.)	
1202	0.50	3.1	CUMULATIVE
1734	1.00	3.1	3.1
2268	1.00	8.6	6.2
2805	•75	9, 3	14.8
3313	•75	7.0	24.1
e .	• 75	7.0	31.1
correct record	Or affirm that the	4.3	38, 1

I hereby swear or affirm that the information given herewith is a complete and from available records. FLUSTAND D

Title: <u>District Froduction Manager</u>

The above Affidavit of Deviation Surveys was subscribed and sworn to before me this

My commission expires April 22, 19 81.

Quithe & Alitally NOTARY PUBLIC

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	LIVED .		,		
DISTRIBUTIO	N				
SANTA FE	· · ·				
FILE					
U.S.G.S.			_		
LAND OFFICE					
/ FANCOATER	OIL	-			
INAMSPORTER	TRANSPORTER				
OPERATOR					
PRORATION OF	ICE				
Operator					
TOTAL ON THE	VAC D	er D	07 E		

SANTA FE		FOR ALLOWABLE	Form C+104 Supercodes that C+104 and C+116
FILE	- Kadocoi	AND	Effective 1-1-65
U.S.G.S.	AUTHORIZATION TO TRA	ANSPORT OIL AND NATURAL (GAS
LAND OFFICE			
TRANSPORTER OIL			The state of the s
J J AS	<u> </u>		
OFERATOR OFFICE			
PRORATION OFFICE			······
UNION TEXAS PETROL	EUM CGRPORATION		
Address			
1860 Lincoln Stree	et, #1010, Denver, Colorad	io 80295	`
Reason(s) for filing (Check proper be	0x)	Other (Please explain)	
New Well	Change in Transporter of:		
Recompletion	Oil Dry Ga	pacet 1	
Change in Ownership	Castinghead Gas Conder	usede []]	
If change of ownership give name			
and address of previous owner			
DESCRIPTION OF WELL AND	D LEASE	<u>.</u> .	
Lease Name	Well No. Pool Na	me, Including Formation	Kind of Lease
JOHNSTON FEDERAL	11-Y Blan	co Pictured Cliffs	State, Federal or Fee Federal
Location			
Unit Letter N ;	990 Feet From The S Lin	ne and 790 Feet From	The W
Line of Section 7 , T	ownship 31N Range	9W , NMPM, San J	uan County
Percentagos on massagos	men an arr asin Naminat Ga	16	
Name of Authorized Transporter of C	RTER OF OIL AND NATURAL GA	Address (Give address to which appro	ved copy of this form is to be sent)
Plateau, Inc.		1921 Bloomfield Bldg.,	Farmington, N. Mexico
Name of Authorized Transporter of C	Casinghead Gas 🔲 or Dry Gas 📉	Address (Give address to which appro	wed copy of this form is to be sent)
El Paso Natural G	Gas Co.	P. O. Box 990, Farming	ton, N. Mexico 87401
If well produces oil or liquids,	Unit Sec. Twp. Rge.	Is gas actually connected? Wh	
give location of tanks.	N 7 31N 9W	No. !	
If this production is commingled v	with that from any other lease or pool,	give commingling order number:	•
COMPLETION DATA			
Designate Type of Complet	tion - (X)	New Well Warkover Despen	Plug Back Same Res'v. Diff. Res'v.
L	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
Date Spudded		1	3644' KB
7/23/79 Pool	Name of Producing Formation	3650' KB	Tubing Depth
Blanco Pictured Cliffs		34331	3420' KB
Perforations	, IIccorca office		Depth Casing Shoe
3433-36; 3440-42; 34	447-3453; 3462-3470; 3476-	-80; 3485-91 w/jet shots	3654' KB
		D CEMENTING RECORD	
	COCASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4"	9~5/8"	334'	200 sx.
7-7/8"		36541	1200 sx.
	2-3/8"	3420'	44.42
	1 •		}
	4-1-2-2-3-4		<u></u>
TEST DATA AND REQUEST.	FOR ALLOWABLE (Test must be a	ifter recovery of total volume of load oil	and must be equal to or exceed top allow
TEST DATA AND REQUEST.	able for this de	epth or be for full 24 hours)	
TEST DATA AND REQUEST	FOR ALLOWABLE (Test must be a able for this de	ofter recovery of total volume of load oil epth or be for full 24 hours) Producing Method (Flow, pump, gas li	
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks	Date of Test	Producing Method (Flow, pump, gas li	
TEST DATA AND REQUEST.	able for this de	epth or be for full 24 hours)	iji, elc.)
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks	Date of Test	Producing Method (Flow, pump, gas li	iji, elc.)
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test	Date of Test Tubing Pressure	Producing Method (Flow, pump, gas li Casing Pressure	Chcko Sizo
TEST DATA AND REQUEST. OIL WELL Date First New Oil Run To Tanks Length of Test	Date of Test Tubing Pressure	Producing Method (Flow, pump, gas li Casing Pressure	Chcko Sizo
TEST DATA AND REQUEST. OIL WELL Date First New Oil Run To Tanks Length of Test	Date of Test Tubing Pressure	Producing Method (Flow, pump, gas li Casing Pressure	Chcko Sizo
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test	Date of Test Tubing Pressure	Producing Method (Flow, pump, gas li Casing Pressure	Chcko Sizo
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D 1572	Date of Test Tubing Pressure Oil-Bbis. Length of Test	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis. Condensate/MMCF	Cheke Size Gas-MCF Gravity of Condensate
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D	Date of Test Tubing Pressure Oil-Bbls, Length of Test Tubing Pressure	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis.	Cheke Size Gas-MCF Gravity of Condensate Choke Size
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D 1572	Date of Test Tubing Pressure Oil-Bbis, Length of Test Tubing Pressure	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis. Condensate/MMCF	Chcke Size Gas-MCF Gravity of Condensate
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D 1572 Testing Method (pirot, back pr.) Positive Choke	Date of Test Tubing Pressure Oil - Bbls. Length of Test Tubing Pressure	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis. Condensate/MMCF Casing Pressure	Cheke Size Gas-MCF Gravity of Condensate Choke Size
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod, During Test GAS WELL Actual Prod, Test-MCF/D 1572 Testing Method (pirot, back pr.) Positive Choke	Date of Test Tubing Pressure Oil - Bbls. Length of Test Tubing Pressure	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis. Condensate/MMCF Casing Pressure	Cheke Size Gas-MCF Gravity of Condensate Choke Size 3/4" ATION COMMISSION
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D 1572 Testing Method (pitot, back pr.) Positive Choke CERTIFICATE OF COMPLIA	Date of Test Tubing Pressure Oil-Bbls. Length of Test Tubing Pressure 118 INCE	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis, Condensate/MMCF Casing Pressure OIL CONSERVA	Cheke Size Gas-MCF Gravity of Condensate Choke Size 3/4" ATION COMMISSION
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D 1572 Testing Method (pirot, back pr.) Positive Choke CERTIFICATE OF COMPLIA I hereby certify that the rules an Commission have bugg complied	Date of Test Tubing Pressure Oil-Bbls. Length of Test 3 Tubing Pressure 118 INCE	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis. Condensate/MMCF Casing Pressure OIL CONSERVA	Cheke Size Gas-MCF Gravity of Condensate Choke Size 3/4" ATION COMMISSION , 19
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D 1572 Testing Method (pirot, back pr.) Positive Choke CERTIFICATE OF COMPLIA I hereby certify that the rules an Commission have bugg complied	Date of Test Tubing Pressure Oil-Bbls. Length of Test Tubing Pressure 118 INCE	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis. Condensate/MMCF Casing Pressure OIL CONSERVA APPROVED BY	Chcke Size Gas-MCF Gravity of Condensate Choke Size 3/4" ATION COMMISSION
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D 1572 Testing Method (pirot, back pr.) Positive Choke CERTIFICATE OF COMPLIA I hereby certify that the rules an Commission have bugg complied	Date of Test Tubing Pressure Oil-Bbls. Length of Test 3 Tubing Pressure 118 INCE	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis. Condensate/MMCF Casing Pressure OIL CONSERVA APPROVED BY	Cheke Size Gas-MCF Gravity of Condensate Choke Size 3/4" ATION COMMISSION , 19
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D 1572 Testing Method (pirot, back pr.) Positive Choke CERTIFICATE OF COMPLIA I hereby certify that the rules an Commission have begg complied	Date of Test Tubing Pressure Oil-Bbls. Length of Test 3 Tubing Pressure 118 INCE	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis. Condensate/MMCF Casing Pressure OIL CONSERVA APPROVED BY TITLE	Cheke Size Gas-MCF Gravity of Condensate Choke Size 3/4" ATION COMMISSION , 19
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D 1572 Testing Method (pirot, back pr.) Positive Choke CERTIFICATE OF COMPLIA I hereby certify that the rules an Commission have bugg complied	Date of Test Tubing Pressure Oil-Bbls. Length of Test 3 Tubing Pressure 118 INCE	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis. Condensate/MMCF Casing Pressure OIL CONSERVA APPROVED BY TITLE This form is to be filed in If this is a request for allow	Cheke Size Gas-MCF Gravity of Condensate Choke Size 3/4" ATION COMMISSION , 19 compilance with RULE 1104, wable for a newly drilled or deepened
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D 1572 Testing Method (pirot, back pr.) Positive Choke CERTIFICATE OF COMPLIA I hereby certify that the rules an Commission have been complied above is true and outplete to the complete to	Date of Test Tubing Pressure Oil-Bbls, Length of Test 3 Tubing Pressure 118 INCE Ind regulations of the Oil Conservation of with and that the information given the best of my knowledge and belief.	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis. Condensate/MMCF Casing Pressure OIL CONSERVA APPROVED BY TITLE This form is to be filed in If this is a request for allowed this form must be accompanied.	Cheke Size Gas-MCF Gravity of Condensate Choke Size 3/4! ATION COMMISSION
TEST DATA AND REQUEST. OIL WELL Date First New Oil Bun To Tanks Length of Test Actual Prod. During Test GAS WELL Actual Prod. Test-MCF/D 1572 Testing Method (pirot, back pr.) Positive Choke CERTIFICATE OF COMPLIA I hereby certify that the rules an Commission have been complied above is true and complete to the complete of the complete complete to the complete complete to the complete complete to the complete complete to the complete comple	Date of Test Tubing Pressure Oil-Bbls, Length of Test 3 Tubing Pressure 118 INCE Ind regulations of the Oil Conservation of with and that the information given the best of my knowledge and belief.	Producing Method (Flow, pump, gas li Casing Pressure Water-Bbis. Bbis. Condensate/MMCF Casing Pressure OIL CONSERVA APPROVED BY TITLE This form is to be filed in If this is a request for allowell, this form must be accompletents taken on the well in accompletents taken on the well in accompletents.	Cheke Size Gas-MCF Gravity of Condensate Choke Size 3/411 ATION COMMISSION compliance with RULE 1104. wable for a newly drilled or deepened anied by a tabulation of the deviation

February 21, 1980 (Bute)

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition. Parameter Parmy C-101 must be folial for each must be multiply

SUBJECT WELL:

JOHNSTON FEDERAL #11-Y
SE SW SECTION 7-T31N-R9W
BLANCO PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

DEPTH	DEVIATION - DEGREES	HORIZONTAL DISPLACEMENT (FT.)	CUMULATIVE
350	0.50	3.1	3.1
710	0.50	3.1	6.2
1202	1.00	8.6	14.8
1734	1.00	9.3	24.1
2268	.75	7.0	31.1
2805	.75	7.0	38.1
3313	.75	4.3	42.4

I hereby swear or affirm that the information given herewith is a complete and correct record of all deviation surveys on this well so far as can be determined from available records.

Signed_

Title: <u>District Production Manager</u>

The above Affidavit of Deviation Surveys was subscribed and sworn to before me this fourteenth day of January , 1980 .

HOLDING MODERN

Suth E. Whitself NOTARY PUBLIC

	And the second of the second s		
MO. WE COPIES RECEIVED			
DISTRIBUTION	NEW MEXICO	OIL CONSERVATION COMMISSION	Form C-104
SANTA FE		UEST FOR ALLOWABLE	Supersedes Old C-104 and C-110
FILE	i	AND	Lliectivo 1-1-55
U.\$,G.S.	AUTHORIZATION TO	O TRANSPORT OIL AND NATURAL (GAS
LAND OFFICE			
INANSPORTER GAS			
OPERATOR		***	
PRORATION OFFICE			
Operator			j
UNION TEXAS PETROLE	JM CORPORATION		

1860 Lincoln Street Reason(s) for liling (Check proper box)		Other (Please explain)	
New Well	Change in Transporter of:	Other (Ficuse exposit)	*
Recompletion	Oil Squipporter oi:	Dry Gas	· •
Change in Ownership	Casinghead Gas	Condensate	Ī
If change of ownership give name and address of previous owner			
DESCRIPTION OF WELL AND I			
Lease Name	Well No. F	Pool Name, Including Formation	Kind of Lease
JOHNSTON FEDERAL		Blanco Pictured Cliffs	State, Federal or Fee Federal
Location			
Unit Letter N ; 95	O Feet From The S	Line andFeet From	The
Line of Section 7 , Tow	nahip 31N Rom	ge OW , NMPM, San J	county County
Line of Section 1 10w	nahip 31N Rom	ge 9W , NMPM, San J	uan county
DESIGNATION OF TRANSPORT	ER OF OIL AND NATURA	AL GAS	• · · · · · · · · · · · · · · · · · · ·
Name of Authorized Transporter of Oil		Address (Give address to which appro	ved copy of this form is to be sent)
Plateau, Inc.		1921 Bloomfield Bldg.,	Farmington, N. Mexico
Name of Authorized Transporter of Cas	• •	Address (Give address to which appro	ved copy of this form is to be sent;
El Paso Natural Gas		P. O. Box 990, Farming	
If well produces oil or liquids,		tge. Is gas actually connected? Wh	en
give location of tanks.	N 7 31N	9W No	
If this production is commingled with COMPLETION DATA		pool, give commingling order number:	
Designate Type of Completion	- (X)	Well New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v.
Date Spudded	Date Cempl. Ready to Prod.	Total Depth	P.B.T.D.
7/23/79	12/4/79	3650' KB	36441 KB
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Blanco Pictured Cliffs	Pictured Cliffs	3433 '	3420¹ KB
Perforations		35	Depth Casing Shoe
3433-36; 3440-42; 344		3476-80; 3485-91 w/jet shots	3654' KB
·		G, AND CEMENTING RECORD	T
HOLE SIZE	CASING A TUBING SIZ		SACKS CEMENT
12-1/4"	9-5/8"	334'	200 sx.

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

36541

3420

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Castrig Pressure	Choke Size
Actual Prod. During Test	Oil-Bhis,	Water+Bbls.	Gas-MCF
·			

GAS WELL	·		
Actual Prod. Test-MCF/D	Length of Test	Bbis. Condensate/AIMCF	Gravity of Condensate
1572	3		
Testing Method (pitot, back pr.)	Tubing Fressure	Casing Pressure	Choke Size
Positive Choke	-118		3/4"
CERTIFICATE OF COMPLIA	INCE	OIL CONSE	ERVATION COMMISSION

APPROVED.

BY.

TITLE.

VI. CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and pumplete to the best of my knowledge and belief.

This form is to be filed it, compliance with RULE 1104,

1200 sx.

If this is a request for rifewable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

وفيالمنت بالمناف فيناف في من فيفيم

SUBJECT WELL:

JOHNSTON FEDERAL #11-Y
SE SW SECTION 7-T31N-R9W
BLANCO PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

DEPTH	DEVIATION - DEGREES	HORIZONTAL DISPLACEMENT (FT.)	CUMULATIVE
	0.50	3.1	3.1
350	0.50	3.1	6.2
710	1.00	8.6	14.8
1202	1.00	9.3	24.1
1734		7.0	31.1
2268	.75	7.0	38.1
2805	.75	4.3	42.4
3313	.75	7.3	

I hereby swear or affirm that the information given herewith is a complete and correct record of all deviation surveys on this well so far as can be determined from available records.

Signed

Title: District Production Manager

The above Affidavit of Deviation Surveys was subscribed and sworn to before me this fourteenth day of <u>January</u>, 19 80.

FEU 2 7 (20)

Quithe E. Whitself NOTARY PUBLIC

My commission expires April 22, 19 81.

SAMARE

NO. OF COPIES RECEIVED DISTRIBUTION SANTA FE FILE		CONSERVATION COMMISSION FOR ALLOWABLE AND	Form C+194 Supersedes Old C+104 and C+110 Ellective 1+1-65
U.S.G.S. LAND OFFICE IRANSPORTER GAS OPERATOR 1. PRORATION OFFICE	AUTHORIZATION TO TRA	ANSPORT OIL AND NATURAL	Cas (840
UNION TEXAS PETROL Address 1860 Lincoln Stree Reason(s) for filing (Check proper bo. New Well Recompletion Change in Ownership	t, #1010, Denver, Colorad	Other (Please explain)	
If change of ownership give name and address of previous cwner	· · · · · · · · · · · · · · · · · · ·		
II. DESCRIPTION OF WELL AND Lease Name JOHNSTON FEDERAL Location	Well No. Fool Na	me, Including Formation unco Pictured Cliffs	Kind of Lease State, Federal or Fee Federal
Unit Letter N ;	Peet From The S Lin	ne and 790 Feet From 9W , NMPM,	m The W San Juan County
Name of Authorized Transporter of Or Plateau, Inc.	or Condensate 🗶	Address (Give address to which app 1921 Bloomfield Bldg.	roved copy of this form is to be sent) , Farmington, N. Mexico
Name of Authorized Transporter of Co El Paso Natural Gas		P. O. Box 990, Farmin	gton, N. Mexico 87401
If well produces oil or liquids, give location of tanks. If this production is commingled w	N 7 31N 9W	No	
IV. COMPLETION DATA	Oil Well Gas Well	New Well Workover Deepen	Plug Back Same Res'v. Diff. Res'v.
Designate Type of Completi	Α	X	
Date Spudded 7/23/79	Date Compl. Ready to Prod. 12/4/79	Total Depth 3650 KB	P.B.T.D. 3644 KB
Pool Blanco Fruitland	Name of Producing Formation Fruitland	Top Oll/Gas Pay 3275'	Tubing Depth 3420
Perforations 3334-38; 3346-52; 335	6-60; 3372-78; 3383-90; 3		Depth Casing Shoe 3654 *
HOLE SIZE	CASING & TUBING SIZE	D CEMENTING RECORD DEPTH SET	SACKS CEMENT
12-1/4"	9-5/8"	334'	200 sx.
7-7/8"	5-1/2" 2-3/8"	3654'	1200 sx.
OIL WELL	able for this de	epth or be for full 24 hours)	il and must be equal to or exceed top allow-
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	OII-Bbls. CUL COMSULAVATION DEVICES	Water - Bbls	Gas-MCF
GAS WELL	SANTA FE		
Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
604 Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
Positive Choke VI. CERTIFICATE OF COMPLIAN	ice	50# OIL CONSERV	3/4" /ATION COMMISSION
	regulations of the Oil Conservation	APPROVED	, 19
Commission have been complied	with and that the information given e best of my knowledge and belief.	il	
	, ,	jj	
1111	Alad.		n compliance with RULE 1104.
WANING B. WE	MISE)	If this is a request for all well, this form must be accome tests taken on the well in accome.	owable for a newly drilled or deepened panied by a tabulation of the deviation cordance with RULE 111.

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition. Separate Forms C-104 must be filed for each pool in multiply

February 21, 1980 (Date)

District Production Manager

SUBJECT WELL: JOHNSTON

JOHNSTON FEDERAL #11-Y
SE SW SECTION 7-T31N-R9W
BLANCO PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

	DEVIATION - DEGREES	HORIZONTAL DISPLACEMENT (FT.)	CUMULATIVE
DEPTH	DEVIATION - DEGREES	3.1	3.1
350	0.50		6.2
710	0.50	3.1	
	1.00	8.6	14.8
1202	1.00	9.3	24.1
1734	1.00		31.1
2268	.75	7.0	
	.75	7.0	38.1
2805	•/5	4.3	42.4
3313	.75	4.3	

I hereby swear or affirm that the information given herewith is a complete and correct record of all deviation surveys on this well so far as can be determined from available records.

Signed_

Title: District Production Manager

The above Affidavit of Deviation Surveys was subscribed and sworn to before me this fourteenth day of <u>January</u>, 19<u>80</u>.

FEB 2 7 FGD CHESTAL MESTAL SALIALE

Quithe E. Whitsell
NOTARY PUBLIC

NEW MEXICO OIL CONSERVATION COMMISSION FILE REQUEST FOR ALLOWABLE Form C+104 U.S.G.S. Supersedex Old C-101 and C-110 AND AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS LAND OFFICE Litective 1-1-65 TRANSPORTER OIL OPERATOR PRORATION OFFICE UNION TEXAS PETROLEUM CORPORATION Reason(s) for liling (Check proper box) Other (l'lease explain) Chunge in Transporter of: Hecompletion Change in Ownership Casinghead Gas Condensate If change of ownership give name and address of previous owner ____ II. DESCRIPTION OF WELL AND LEASE JOHNSTON FEDERAL Well No. Pool Name, including Formation Kind of Lease Blanco Pictured Cliffs State, Federal or Fee Unit Letter_ 990 Federal Feet From The 7901 Line of Section Township 31N Range 9W Name of Authorized Transporter of Oil or Condensate NMPM. San Juan , Address (Give address to which approved copy of this form is to be sent) Name of Authorized Transporter of Casinghead Gas 1921 Bloomfield Bldg., Farmington, N. Mexico El Paso Natural Gas Co. Address (Give address to which approved copy of this form is to be sent If well produces oil or liquids, give location of tanks. P. O. Box 990, Farmington, N. Mexico 87401 Unit Twp. Rge. 31N 9W If this production is commingled with that from any other lease or pool, give commingling order number: Designate Type of Completion - (X) Date Spudded Same Res'v. Diff. Res'r. Date Compl. Ready to Prod. 7/23/79 Total Depth 12/4/79 Name of Producing Formation 3650' KB Blanco Fruitland Top Oil/Gas Pay 3644' KB Perforations Fruitland Tubing Depth 3275' 3334-38; 3346-52; 3356-60; 3372-78; 3383-90; 3404-12; w/41 jet shots <u> 3420'</u> Depth Casing Shoe TUBING, CASING, AND CEMENTING RECORD HOLE SIZE <u> 3654 '</u> CASING & TUBING SIZE 12-1/4" DEPTH SET 7-7/8" 9-5/8" SACKS CEMENT 334' 5-1/2" 200 sx. 36541 2-3/8" 1200 sx. <u>3420'</u> V. TEST DATA AND REQUEST FOR ALLOWABLE (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours) Date First New Oil Run To Tanks Date of Test Producing Method (Flow, pump, gas lift, etc.) SARIA FE Tubing Pressure Casing Pressure Actual Prod. During Test Choke Size Oil-Bbls. Water Bbls. Gas - MCF GAS WELL Actual Prod. Test-MCF/D Length of Test Bbls. Condensate/MMCF Testing Method (pitot, back pr.) Gravity of Condensate Tubing Pressure Positive Choke Casing Pressure VI. CERTIFICATE OF COMPLIANCE Choke Size OIL CONSERVATION COMMISSION I hereby certify that the rules and regulations of the Oil Conservation I hereby certify that the rules and regulations of the Oil Conservation Commission have been complied with and that the information given above is true and complete to the best of my knowledge and belief. APPROVED. BY

DONALD B. WELLS.

February 21, 1980

District Production Manager (Title)

This form is to be filed in compliance with RULE 1104.

If this is a request for allowable for a newly drilled or deepened If this is a request for anomalie for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

FIII out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

SUBJECT WELL: JOHNSTON F

JOHNSTON FEDERAL #11-Y
SE SW SECTION 7-T31N-R9W
BLANCO PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

350 0.5 710 0.5 1202 1.0 1734 1.0 2268 .7	DEVIATION - DEGREES	HORIZONTAL DISPLACEMENT (FT.)	CUMULATIVE		
350	0.50	3.1	3.1		
710	0.50	3.1	6.2		
1202	1.00	8.6	14.8		
1734	1.00	9.3	24.1		
2268	.75	7.0	31.1		
2805	.75	7.0	38.1		
3313	.75	4.3	42.4		

I hereby swear or affirm that the information given herewith is a complete and correct record of all deviation surveys on this well so far as can be determined from available records.

Signed_

Title: _District Production Manager_

Quithe E. W. J. NOTARY PUBLIC

The above Affidavit of Deviation Surveys was subscribed and sworn to before me this fourteenth day of <u>January</u>, 19 80.

HONOF CUPIES NECETYED			
DISTRIBUTE	DN .		
SANTA FE		_	~ "
FILE			
U.S.G.S,			
LAND OFFICE			
TRANSPORTER	OIL		
- THE CONTEN	GAS		
OPERATOR			

SANTA FE	1	UEST FOR ALLOWABLE Supersedes Old C-104					
U.S.G.S.	AUTHORIZATION TO TRA	AND ANSPORT OIL AND NATURAL					
LAND OFFICE			V•				
TRANSPORTER GAS		And the second s					
OPERATOR							
PROPATION OFFICE							
UNION TEXAS PETROL	EUM CORPORATION						
	t, #1010, Denver, Colorad	In 80295					
Reason(s) for Illing (Check proper bo	s)	Other (Please explain)					
New Well Recompletion	Change in Transporter of: Oil Dry Go	10					
Chunge in Ownership	Casinghead Gas Conde	, 1987	 				
If change of ownership give name	,						
and address of previous owner							
DESCRIPTION OF WELL AND Lease Name		me, Including Formation	Kind of Lease				
JOHNSTON FEDERAL	11-Y Bla	nco Pictured Cliffs	State, Federal or Fee Federal				
Unit Letter N	990 Fast From The S Lin	and 790° Feet From	The W				
Unit Letter;	Feet From The Lin	ne andFeet From	The				
Line of Section 7 . To	wnship 31N Range	9W , NMPM,	San Juan County				
	TER OF OIL AND NATURAL GA						
Name of Authorized Transporter of O. Plateau. Inc.	or Condensate	Address (Give address to which appro	Farmington, N. Mexico				
Name of Authorized Transporter of Co	ssinghead Gas or Dry Gas 📉	Address (Give address to which appro	oved copy of this form is to be sent)				
El Paso Natural Gas	:	P. O. Box 990, Farming	ton, N. Mexico 87401				
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge.	No !					
If this production is commingled w	ith that from any other lease or pool,	give commingling order number:					
COMPLETION DATA	Oil Well Gas Wel!	New Well Workover Deepen	Plug Back Same Restv. Diff. Restv				
Designate Type of Complet		X					
Date Spudded 7/23/79	Date Campl. Ready to Prod. 12/4/79	Total Depth 3650 KB	P.B.T.D. 3644' KB				
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth				
Blanco Fruitland	Fruitland	32751	3420* Depth Casing Shoe				
	6-60; 3372-78; 3383-90; 3	3404-12; w/41 jet shots	3654'				
	TUBING, CASING, AN	D CEMENTING RECORD					
12-1/4"	CASING & TUBING SIZE	334 ¹	SACKS CEMENT 200 SX.				
7-7/8"	5-1/2"	3654'	1200 sx.				
- 12 123	2-3/8"	3420'					
TEST DATA AND REQUEST I	COP ALLOWARIE (Test must be	after recovery of total volume of load of	l and must be equal to or exceed top allor				
OIL WELL	able for this d	epth or be for full 24 hours)					
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas	iji, eic.j				
Langth of Test	Tubing Pressure	Casing Pressure	Choke Size				
Actual Prod. During Test	Cil-Bbls.	Water - Bbls.	Gas-MCF				
Actual Prod. Duting 1981	Ott-bbis.	Water - Belay .					
GAS WELL							
Actual Prod. Test-MCF/D	Length of Test	Bble. Condensate/MMCF	Gravity of Condensate				
604	3						
Testing Method (piter, back pr.)	Tubing Pressure	Casing Pressure	Choke Size				
Positive Choke CERTIFICATE OF COMPLIA	VCE	50# OIL CONSERV	ATION COMMISSION				
		Anne	16				
	regulations of the Oil Conservation with and that the information given	{}	, 19				
	ne best of my knowledge and belief.	BY					
\cap		TITLE					
1/1	h Last	! {	compliance with RULE 1104.				
MINIMO	1 mes	If this is a request for alle	wable for a newly drilled or deepene				
• YDONALD B. MI	lylide)	well, this form must be accomp	unied by a tabulation of the deviation				

District Production Manager (Tule)

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

SUBJECT WELL:

JOHNSTON FEDERAL #11-Y
SE SW SECTION 7-T31N-R9W
BLANCO PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

DEPTH	DEVIATION - DEGREES	HORIZONTAL DISPLACEMENT (FT.)	CUMULATIVE
350	0.50	3.1	3.1
710	0.50	3.1	6.2
1202	1.00	8.6	14.8
1734	1.00	9.3	24.1
2268	.75	7.0	31.1
2805	.75	7.0	38.1
3313	.75	4.3	42.4

I hereby swear or affirm that the information given herewith is a complete and correct record of all deviation surveys on this well so far as can be determined from available records.

Signed

Title: <u>District Production Manager</u>

The above Affidavit of Deviation Surveys was subscribed and sworn to before me this fourteenth day of January, 1980.

CH, CONTRIBUTION ENTISION SANTA FE

Quithe E. Whitself NOTARY PUBLIC

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OPERATOR			
PRORATION OF	PRORATION OFFICE		
Chetator			

SANTA FE FILE U.S.G.S. LAND OFFICE IRANSPORTER OIL GAS OPERATOR	REQUEST	CONSERVATION COMMISSION FOR ALLOWABLE AND ANSPORT OIL AND NATURAL	Form C-104 Supernedes Old C-104 and C-11 Effective 1-1-65 GAS
PRORATION OFFICE Control	1		
UNION TEXAS PETROLE	UM CORPORATION		
1860 Lincoln Street Reason(s) for filing (Check proper box New Well	Change in Transporter of:	Other (Please explain)	
Recompletion Change in Ownership	Oil Dry Go Casinghead Gas Conder		
If change of ownership give name and address of previous owner			
DESCRIPTION OF WELL AND		me, Including Formation	Kind of Lease
JOHNSTON FEDERAL		enco Pictured Cliffs	State, Federal or Fee Federal
Unit Letter N ; 9	990 Feet From The S Lir	ne and 790° Feet From	The W
Line of Section 7 , To	wnship 31N Range	9W , NMPM,	San Juan County
DESIGNATION OF TRANSPOR' Name of Authorized Transporter of Cil	TER OF OIL AND NATURAL GA		roved copy of this form is to be sent)
Plateau, Inc.	·	1921 Bloomfield Bldg.	Farmington, N. Mexico
Name of Authorized Transporter of Car		Address (Give address to which appr	roved copy of this form is to be sent)
El Paso Natural Gas C	Unit Sec. Twp. Rge.	P. O. Box 990, Farming	gton, N. Mexico 87401
If well produces oil or liquids, give location of tanks.	N 7 31N 9W	No !	nen
If this production is commingled wi COMPLETION DATA	th that from any other lease or pool,		
Designate Type of Completic	on - (X)	New Well Workover Deepen	Plug Back Same Restv. Diff. Restv
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.
7/23/79	12/4/79	3650 KB	3644' KB
Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Blanco Fruitland Perforations	Fruitland	3275'	3420* Depth Casing Shoe
	5-60; 3372-78; 3383-90; 3	3404-12; w/41 jet shots	3654'
017777	TUBING, CASING, AN		
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12-1/4" 7-7/8" - 1/2 1/3	9-5/8"	334' 3654'	200 sx. 1200 sx.
	2-3/8"	3420'	1200 sx.
OIL CONSTRUMTED			
TEST DATA AND REQUEST'F OIL WELL	OR ALLOWABLE (Test must be a able for this di	ifter recovery of total volume of load or epth or be jor full 24 hours)	il and must be equal to or exceed top allow
Date First New Oil Hun To Tanks	Date of Test	Producing Method (Flow, pump, gas	lift, etc.)
Length of Test	Tubing Pressure	Casing Fressure	Choke Size
Actual Prod. During Test	Oll-Bbis,	Water-Bbls.	Gas - MCF
GAS WELL Actual Prod. Test-MCF/D	Length of Test	Bbla, Condensate/MMCF	Gravity of Condensate
604	3	Tatol Anidolizata UMO1	Control of Confessions
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
Positive Choke	Cap ton	50#	3/4"
CERTIFICATE OF COMPLIAN	CE	OIL CONSERV	ATION COMMISSION
I hannbu pantifu that the cules and	sugulations of the Oil Communities	APPROVED	
Commission have been complied	regulations of the Oil Conservation with and that the information given		•
above is true and complete to the	e best of my knowledge and belief.	BY	•
<i>(</i>)		TITLE	
A = A	Dlad	This form is to be filed in	compliance with RULE 1104.
	1 myses	If this is a request for all	owable for a newly drilled or deepene
DONALD B. WELL	uls.	well, this form must be accomp	punied by a tabulation of the deviatio

well, this form must be accompanied by a tabulation of tests taken on the well in accordance with RULE 111.

All sections of this form must be filled out completely for allowable on new and recompleted wells.

Fill out Sections I, II, III, and VI only for changes of owner, well name or number, or transporter, or other such change of condition.

Separate Forms C-104 must be filed for each pool in multiply

February 21, 1980 (thate)

District Production Manager

SUBJECT WELL:

JOHNSTON FEDERAL #11-Y
SE SW SECTION 7-T31N-R9W
BLANCO PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

DEPTH	DEVIATION - DEGREES	HORIZONTAL DISPLACEMENT (FT.)	CUMULATIVE
350	0.50	3.1	3.1
710	0.50	3.1	6.2
1202	1.00	8.6	14.8
1734	1.00	9.3	24.1
2268	.75	7.0	31.1
2805	.75	7.0	38.1
3313	.75	4.3	42.4

I hereby swear or affirm that the information given herewith is a complete and correct record of all deviation surveys on this well so far as can be determined from available records.

Signed

Title: District Production Manager

Quithe E.

The above Affidavit of Deviation Surveys was subscribed and sworn to before me this fourteenth day of <u>January</u>, 19<u>80</u>.

Or Constanting and Signal

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NO. OF COPIES REC		<u> </u>	
DISTRIBUTE	N.	ļ	
SANTA FE			
FILE			
U.S.G.S.			
LAND OFFICE			
TRANSPORTER	OIL GAS		
OPERATOR			
PRORATION OF	ICE		
Operator			
UNION TE	XAS P	ETR	OLE
Address			
1860 Lin	coln	Str	eet
Reason(s) for filing	(Check	proper	box,
New Well			
Recompletion			
Chunge in Ownership			
If change of owners and address of prev			n e

DISTRIBUTION SANTA FE	The state of the s	ONSERVATION COMMISSION FOR ALLOWABLE AND	Form C-104 Supersedex Ald C-164 and C-11 fifteetive 1-1-65
U.S.G.S. LAND OFFICE TRANSPORTER GAS OPERATOR	AUTHORIZATION TO TRA	NSPORT OIL AND NATURAL O	GAS
PRORATION OFFICE Operator			
Address:	UM CORPORATION		
Reoson(s) for filing (Check proper box)	, #1010, Denver, Colorad	O 80295 Other (Please explain)	
New Well Recompletion	Change in Transporter of: Oil Dry Gar		
Change in Ownership	Casinghead Gas Canden	724	
If change of ownership give name and address of previous owner			
DESCRIPTION OF WELL AND I	LEASE		
Lease Name	Well No. Pool Nar	ne, including Formation	Kind of Lease State, Federal or Fee Radaral
JOHNSTON FEDERAL	11-Y Bla	nco Pictured Cliffs	State, Federal or Fee Federal
Unit Letter N ; 99	90 Feet From The S Lin	e and 7901 Feet From	The W
Line of Section 7 , Tow	nship 31N Range	9W , NMPM,	San Juan County
DESIGNATION OF TRANSPORT		S Address (Give address to which appro	ved capy of this form is to be sent)
Plateau, Inc.		1921 Bloomfield Bldg.,	Farmington, N. Mexico
Name of Authorized Transporter of Cas El Paso Natural Gas Co	_	Address (Give address to which appro P. O. Box 990, Farming	
If well produces oil or liquids,	Unit Sec. Twp. Rge.	Is gas actually connected? Wh	
If this production is commingled with	h that from any other lease or pool,	No ;	
. COMPLETION DATA	Oll Well Gas Well	New Well Workover Deepen	Pluq Back Same Resiv. Dill. Resiv.
Designate Type of Completio	; A	X	
Date Spudded 7/23/79	Date Compi. Ready to Prod. 12/4/79	Total Depth 3650 KB	P.B.T.D. 3644 KB
7/23/79 Pool	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth
Blanco Fruitland	Fruitland	3275'	3420'
Perforations	(A) 2277 70, 2202 00, 2	606 19. ml/1 day abaya	Depth Casing Shoe
	-60; 3372-78; 3383-90; 3		3654'
		DEPTH SET	SACKS CEMENT
12-1/4"	13 mmaioli 9-5/8"	334'	200 sx.
12-1/4" 7-7/8** CO:	5-1/2"	36541	1200 sx.
	2-3/8"	3420'	
. TEST DATA AND REQUEST FO	OR ALLOWABLE (Test must be a able for this de	fter recovery of total volume of load oil pth or be for full 24 hours)	and must be equal to or exceed top allow
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas l	ift, etc.)
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bhls.	Water-Bbis.	Gas-MCF
	<u> </u>	<u> </u>	
GAS WELL.	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Actual Prod. Test-MCF/D 604	Longer or 1951	Linter Contrationic/MMCL	Charter of Collegesors
Testing Method (pitot, back pr.)	Tubing Pressure	Casing Pressure	Choke Size
Positive Choke		50#	3/4"
, CERTIFICATE OF COMPLIANT	Æ.	OIL CONSERV	ATION COMMISSION
I hereby certify that the rules and r Commission have been complied w	ith and that the information given	}} 4:	, 19
above is true and complete to the	best of my knowledge and belief.	BY	
	6/1	17	compliance with DULY 1304

DONALD B. WHELET

District Production Manager

If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.

SUBJECT WELL: JOHNSTON

JOHNSTON FEDERAL #11-Y
SE SW SECTION 7-T3IN-R9W
BLANCO PICTURED CLIFFS FIELD
SAN JUAN COUNTY, NEW MEXICO

DEPTH	DEVIATION - DEGREES	HORIZONTAL DISPLACEMENT (FT.)	CUMULATIVE
350	0.50	3.1	3.1
710	0.50	3.1	6.2
1202	1.00	8.6	14.8
1734	1.00	9.3	24.1
2268	.75	7.0	31.1
2805	.75	7.0	38.1
3313	.75	4.3	42.4

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Signed____

Title: District Production Manager

The above Affidavit of Deviation Surveys was subscribed and sworn to before me this fourteenth day of January, 19 80.

TOMENTE

Quithe E. Whitsell
NOTARY PUBLIC

							a a a rese	• ١	Form appr Bulget Buc	eau No. 42	-R355.8.	
- - 41		grapher of the first of the fir			SUBMIT	IN DUPL	ice of pe	rin.	Buiget But	AND BER	HAL NO.	
		UNIT	ED STAT	ED LINITI	FRIOR	at Ti	Laction Laction	ide) 5. L	- 078439		SE NAME	
Form 9-330 (Rev. 5-63)	4	- ATNIT	()+ 111					\-\- <u></u> S	F 078439	SE OR IN		
	DEPA	GEOLO(SICAL SUI			AND L	OG	*				
			COMPLET	ION R	EPORI /	AINU			UNIT ADRESSES		·	
	OMPLETI	GEOLOGO ON OR RE	COIVIL		Other				PARM OR LEADE	NAME		ì
WELL C	RELE:	OIL U	FELL A					8.	JOHNSTON	FEDE	RAL	
MADE OF					Other				WELL NO.			
TYPE OF C	WORK	DEEP-	BACK L								DCAT	
NEW WELL .	ERATOR		PORATION					-	11Y	L, 0s	.d	
TOUTON T	EXAS PET	ROLEUM COR	10101	المست	80295		•		Blanco Fr	UIELAL , OK BLOCK	AND BURYEY	;
8. ADDRESS OF	OPERATOR	#1010.	Denver, C	olorau	ny State req	Miremeter)		\	•			* 1
1860 L	incoln Si	#1010,	y and in accordi		. m21N-8	k9W			Sec.7-T	31N-R	.9W	
- Y TOCATION	A MEET (120)	t., #1010, ort location clearly (990 FSL	_ 790 FWL) Sec.	1-13111 -			Ì		1 13	STATS	:
At surface	SE SW rod. laterval re	sported pelow							12. COUNTY OR PARISH	1.	. 16	į
At top pr	od luterian	SAME		4. PERMIT	NO.		ISSUED		can Jus	19. ELEV.	CABINGHEAD	
At total	depth		1				6/22	B (DF, REB,	RT, GR, ETC.)*			i N
		DATE T.D. REACH	- 17E CC	MPL (Rea	dy to prod.)	18. ELE				3	CABLE TOOLS	
	116.	DATE T.D. REACH	12/4	179 _		OMPL	23.	INTERVALS DRILLED BY		\	AS DIRECTIONAL	į.
15. DATE SP		7127/79	TO MO A TVI	22. 15	OW MANT		1_		1	25.	JEVET MADE	i :
7/23	CPTH, MD & TVE		261.11	1	2 (MD AND	TVD)*				1	¥0	
26. 10125			PLETION-TOP,	OTTOM, NA						27. WAS	MELL CORED	
24. F200U	CING INTERVAL	(s), OF 1215			,	<u></u>					No.	
		1 Land 3	275 <u>- 391</u> 2	! :						!		
_	F1	OTHER LOGS BU		ased	hole		net in w	oell)	TING RECORD		AMOUNT PULLED	
26, 21PE	ELECTRIC AND	OTHER LOGS RU		NG RECO	hole RD (Report of	LIZE		CEMEN	-			
CNI	Density		DEPTH SE	T (MD)	- ROUS	-1/4			00 sx.			
23.	SING SIZE	WEIGHT, LB/F	<u> </u>	34	·\	-7/8		121	00_sx	\		
	5/8	14#	3	654	- 		.\		TUBING R	ECORD		
5	1/2				-			30.	TUBING A	(MD)	PACKER SET (MD)	
		-	7700	D		BCREEN ((D)	SIZE			3420	
			HETTON (MD)	BACKS	CEMENT.	SCREEN (2-3/8			FTC.	
29.		TOP (MD)	Berron (22)	-				1	TRACTURE, CE	MENT SQ	UZEZE, EL	
· · ·	8128					1 82.	٨	CID, SHOT	AMOUNT AN	D KIND OF	O gal. 15% HCL	ı
		ECORD (Interval,	size and numbe	7)	99-	DEPTH	INTERV	AL (ND)	-idized	W/ 250	0 80=	;
81.	PERFORATION R	2286-328	9; 3292-3°	296; 3	,	3334-	.3412	<u> </u>	-\		1 13% nu	.
Δ. 3	3275-3281	, soment S	queezed)		372-	1	230	4	Acidized	12/300	0 sx. cement.	•
	3304; (8)	1 cement s 3; 3346-335 83-3890; 3	$32; 3356^{-3}$	1300, 1 11 iet	shots	3275	<u>-330</u>		squeeze	<u> </u>	TATUS (Producing or	-
В.	3334-3336	3; 3346-335 83-3890; 3	404-3412;	41 0-	DP.	ODUCTIO:	N		nump)	WELL S		
3.7 36	3378;	production	PRODUCTION MET		ing age lift,	pumping-	-size G	nd type of		1	SI GAS-DIL RATIO	
. 95	Open III	1	PRODUCTION MET	HOD (Flow	Flowing	8		GA8-	-MCF. WA	TER-BBL.		-
D.	ATE FIRST PRO	bcc			PROD'N. FOR	011	. B B L.	1	-c 1	race	OIL GRAVITY-API (CORR.	•
		7.2	8150	E SIZE	TEST PLING	<u> </u>	GA8-	MCF.	WATER-BEL	· \		
ī	DATE OF TEST	1 2	hours _3	ULATED	OIL-BBL.	1		504	trac		SSED BY	
	12/12/ FLOW. TUBINE I	71133	24.10	→ N	<u> </u>		·		1	Joe I	. Elledge	
o •.	TION.	Flow	50# 1	ted, e(o.)	- 	,			<u>.</u>			
	84. DISPOSITI	ON OF GAS (Sold,					1				records	
	¥-	Vented		-				ercet as de	termined from al	AVAIIAULE	ו א איז	980
	85. LIST OF	ATTACHMENTS		Mached Ir	formation in	complete	and co	^	ENGINE	R DA	TE JAN. 8, 1	
!		Vented ATTACHHENTS Vertify that the	foregoing and	Bernenen		DI	ST.	PETRO	<u> </u>			
	86. I bereb!	,	1 Ceant	ON	Till			al Data C	n Reverse Side	·)		
	BIGNE	D — - C:-W	W. CT.AXI	UN	and Space	s for Add	dition	al Daire				
	-		*(See Inst	INCLIOUS .			_ 、		on Reverse Side			



Attachment I

Union Texas Petroleum Division Suite 1010 Lincoln Tower 1860 Lincoln Street Denver, Colorado 80295

Case 6840

January 14, 1980

New Mexico Oil Conservation Commission P. 0. Box 2088 Santa Fe, New Mexico 87501

> RE: Union Texas Petroleum Johnston Federal #11Y SE SW Sec. 7-T31N-R9W San Juan County, N. Mexico

Gentlemen:

Please be advised that KOCH INDUSTRIES, INC. has no objections to Union Texas Petroleums request for a non standard proration unit for the captioned well.

CU. COME LIMITEC IL CARSION E ANTA FE

SIGNED

Vice President of Production
TITLE

1/21/80
DATE



Union Texas Patroleum Division Suite 1010 Lincoln Tower 1860 Lincoln Street Denver, Colorado 80295

January 14, 1980

New Mexico Oil Conservation Commission P. 0. Box 2088 Santa Fe, New Mexico 87501

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SANTAFE

titled went for consent hereight or parties ्राम् क्षेत्र व्यवस्थात् । यहते अस्य विद्युत्ति । एव वास विद्युत्ति । क्षेत्र वास विद्युत्ति । क्षेत्र विद्युत्ति । e leave of different ownership is dedicated to the neith date the unity that of all owners the militarian force-modificated mare descriptions which have assembly to a consolidated. The reference since of if we will be assigned to the well until all interests have been such interests. For her superioral by the Country and the will be assigned to the material while climinating such interests. first of an fine body att belief. Marketer thistilletith spe THE TREAT PERMIT 1.4 Level And Control of the Control of



Suite 1010 Lincoln Tower

January 14, 1980

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Union Texas Petroleum Division Suite 1010 Lincoln Tower 1880 Lincoln Street Denver, Colorado 80295

January 14, 1980

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A l

Regional Production Mys.

128) DATE

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SANTA (:

(Associated			I can		Wall sem
UNION TEX	AS PETROLEU	M	JOHNSTON FEDERAL 11 Y		
Unit Letter	Section	Township	Hange	County	
N Actual Fastage Loc	Total of Walls	31 NORTH	9 WEST	SAN JUAN	
990		UTH line and	790	of from the WEST	line
Ground Level Clev.	Producting For	metion	Pool		Dedicated Acteages
6612	PICTURI	CLIFFS	BLANCO PICTU	RED CLIFFS	209.5 Acres
1. Outline th	e acreage dedica	ted to the subject we	ll by colored pencil o	or hachure marks on I	the plat below.
interest a	nd royalty).	••	·. · · · · · · · · · · · · · · · · · ·		thereof (both as to working
•		nitization, force-poolin		nave the interests o	f all owners been consoli-
Yes	☐ No If an	swer is "yes," type of	consolidation		
	is "no," list the (f necessary.)	wners and tract descr	iptions which have a	ctually been consolic	lated. (Use reverse side of
	and the same of th	d to the well until all	interests have been (consolidated (by cor	nmunitization, unitization,
forced-poo				•	n approved by the Commis-
sion.					•
1//////			6		CERTIFICATION
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					certily that the information com- trein is true and complete to the
				. I I	y knowledge and belief.
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				Position DIST	RICT PRODUCTION MG
//////				Company	KICL PRODUCTION
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b. Plan showing in the manufacture of the core have the mindely the core have the core and the c THE RESIDENCE WAS ASSESSED TO SEE THE PARTY OF THE PERSON The state of the s JOHNSTON FEDERAL # 11-Y SE-SW- SEC 7- T3IN - R 9W

DATUM: 6622 (KB) 10' AGL

95/8" casing cemented at 334' (KB) with 200 sk. (cement circulated)

3275-3281; 3286-3289 \ SQUEETED OFF WITH 3292-3296; 3299-3304 \ 300 St Cement

334-3356; 3346-3352; 3354-3360 3372-3378; 3383-3390; 3404-3412

5 SLIDING SLEEVE (CIOSED) at 3414

S'F" NIPPLE at 3429'

BAKER MOD. F AT 3420 (KB)

PICTURED CLIFFS PERFS!
3433-3436; 3440-3442; 3447-3453
3462-3410; 3476-3480; 3485-3491

P.B.T.D. 3644' (K.B.)

51/2" casing cemented at 3654' (KB) with 1200 sx.



Union Texas Petroleum Division Suite 1010 Lincoln Tower 1860 Lincoln Street Denver, Colorado 80295

January 14, 1980

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

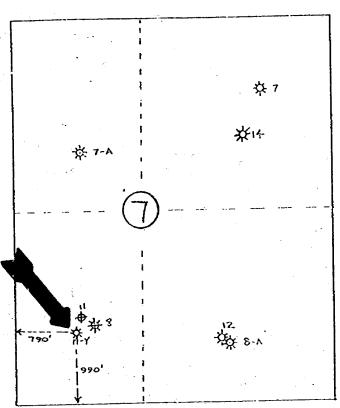
> RE: Union Texas Petroleum Johnston Federal #11Y SE SW Sec.7-T31N-R9W San Juan County, N. Mexico

Gentlemen:

Please be advised that EL PASO NATURAL GAS CO. has no objections to Union Texas Petroleums request to <u>down hole commingle</u> production from the Fruitland and Pictured Cliffs reservoirs in the captioned well.

Cal octic lineatien chilosoff Santa FE

JOHNSTON FEDERAL



UNION TEXAS PETROLEUM A DIVISION OF ALLIED CHEMICAL CORPORATION

WELL LOCATIONS

Section 7, T-31-N, R-9-W, N.M.P.M.

San Juan County, New Mexico

Scale: 4"= 1 mile



Union Texas Petroleum Division Suite 1010 Lincoln Tower 1980 Lincoln Street Denver, Colorado 80295

January 14, 1980

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

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SIGNED

SIGNED

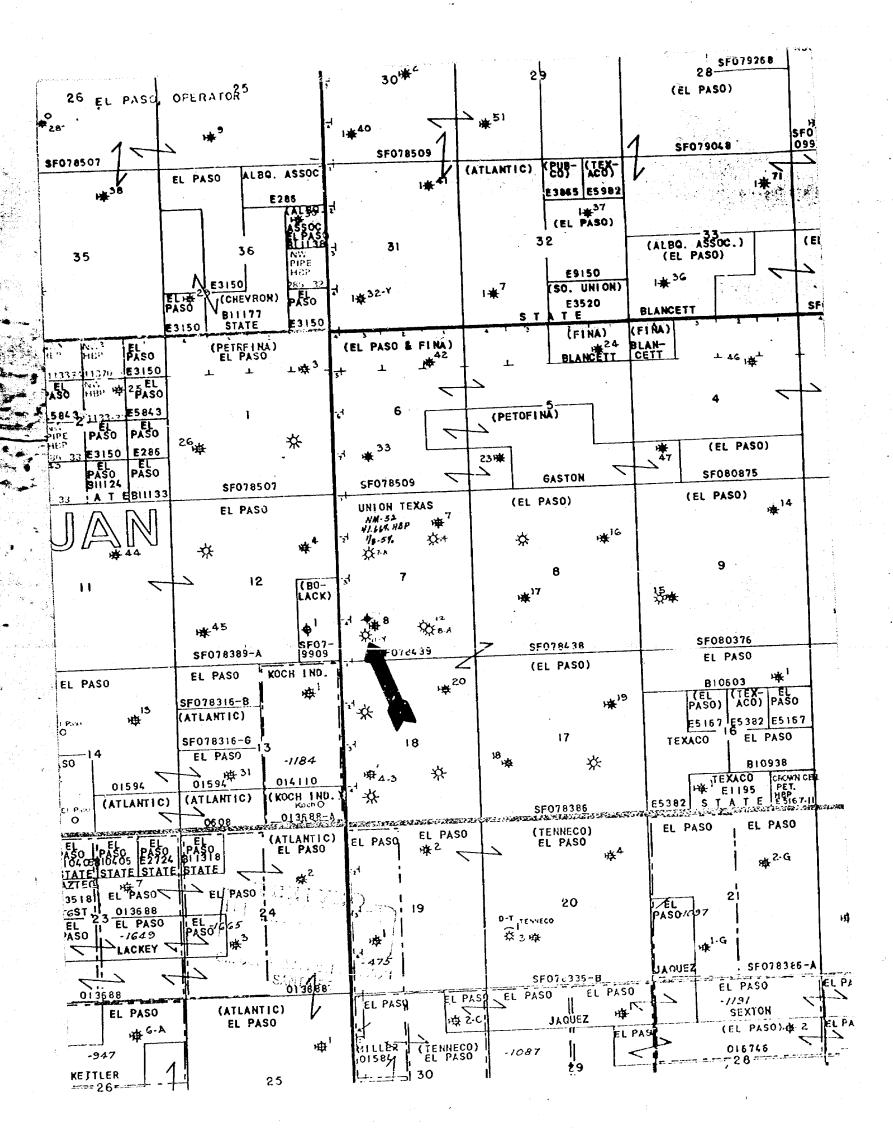
Lice President of Production

TITLE

1/21/80

DATE

MOSERAL MONTANTO MODELLO MOSERAL PROPERTY AND ARCHITECTURES



NEW MEXICO OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO APPLICATION FOR MULTIPLE COMPLETION

Form C-107 5-1-61

				Date	Date		
ION TEXAS PETROLEUM CORPO	RATION		Juan	January	January 23, 1980		
ddrees		Lease	ton Federal	Well No.			
	incoln, \$1010, Denver, Colorado 80295			Range	·		
of Well N	7	ownship 3	1N	9W			
Has the New Mexico Oil Conservati	on Commission heretofore	·			ese same pools or in the sa		
zones within one mile of the subject				W	•		
. If answer is yes, identify one such			; Operator Lease, an	d Well No.:			
. The following facts are submitted:	T						
rue tottowing tacts are sommitted:	Upper Zone	}	Intermediate Zone		Lower Zone		
a. Name of Pool and Formation	Blanco Fruitla	nd		Rla	nco Pictured Cliff		
b. Top and Bottom of	DIANCO II GICIA		 		neo rictured ordin		
Pay Section)		į			
(Perforations)	3334 - 3412	ł			3433 - 3491		
c. Type of production (Oil or Gas)	Gas				Gas		
d. Method of Production							
(Flowing or Artificial Lift)	Flowing				Flowing		
The following are attached. (Please	check YES or NO)						
tors have been furn	to such multiple completion is hed copies of the application well or other acceptable	ation.* log with to	ps and bottoms of produc	ing zones a	nd intervals of perforation		
dicated thereon. (If List all offset operators to the lease El Paso Natural Gas Co Koch Exploration Co.,	o., P. O. Box 990,	Farming	er with their correct maili	ng address. 7401	ed as provided by Rule 112		
dicated thereon. (If List all offset operators to the lead El Paso Natural Gas Co	o., P. O. Box 990,	Farming	er with their correct maili	ng address. 7401	ed as provided by Rule 112		
dicated thereon. (If List all offset operators to the lead El Paso Natural Gas Co Koch Exploration Co., Were all operators listed in Item, S date of such notification. On 1/ Form CERTIFICATE: I, the undersigned	above notified and furnishing the state that I am at the facts stated there	Farming rming tor	et with their correct mailington, N. Mexico 8740. If this application? YES waivers were reconstructed and the state of your company to make the state of the sta	NO_luested.	X. If answer is yes, g Copy of		
dicated thereon. (If List all offset operators to the lead El Paso Natural Gas Co Koch Exploration Co., Were all operators listed in Item 5 date of such notification. On 1/ Form CERTIFICATE: I, the undersigned	above notified and furnishing the state that I am at the facts stated there	Farming rming tor	et with their correct mailington, N. Mexico 8740. If this application? YES waivers were reconstructed and the state of your company to make the state of the sta	NO_luested.	X. If answer is yes, a Copy of		

NOTE: If the proposed multiple completion will result in an unorthodox well location and/or a non-standard proration unit in uncommon of the producing zones, then separate application for approval of the same should be filed simultaneously with this application.

UNION TEXUS PETROLEUM

JOHNSTON FEDERAL # 11-4 SE-SW- SEC 7. T3IN -R 9W

DATUM: 6622 (KB) 10' AGL

D 95/8" casing cemented at 334' (KB) with 200 St. (cement circulated)

FRUITLAND PERFS: 3275-3281; 3286-3289 > Soveezed OFF WITH 3292-3296; 3299-3304 > 300 St Cement

3334-3338; 3344-3352; 3354-3340 3372-3378; 3383-3390; 3404-3412

SSLIDING SLEEVE (CIOSED) at 3416

5" F" NIPPLE at 3429'

BAKER MOD F AT 3420 (KB)

PICTURED CLIFFS PERFS! 3433-8434; 3440-3442; 3447-3453 3462 - 3410; 3476 - 3480; 3485 - 3491

P.B.T.D. 3644' (K.B.)

5 1/2" casing cemented at 3654' (XB) with 1200 sx.



Union Texas Petroleum Division Suite 1010 Lincoln Tower 1850 Lincoln Street Denver, Colorado 80295

January 14, 1980

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

> RE: Union Texas Petroleum Johnston Federal #11Y SE SW Sec.7-T31N-R9W San Juan County, N. Mexico

Gentlemen:

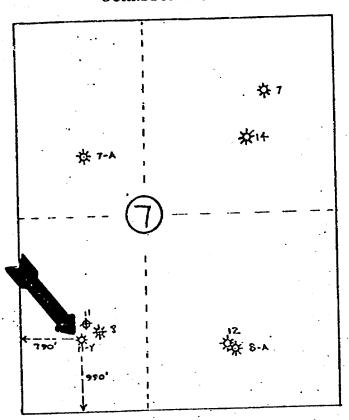
Please be advised that EL PASO NATURAL GAS CO. has no objections to Union Texas Petroleums request to <u>down hole commingle</u> production from the Fruitland and Pictured Cliffs reservoirs in the captioned well.

SI GNE/O

Segional Production Angr.

1/28/80 DATE

CL CCIT THATALL THE CL SAMALE JOHNSTON FEDERAL



UNION TEXAS PETROLEUM
A DIVISION OF ALLIED CHEMICAL CORPORATION

WELL LOCATIONS

Section 7, T-31-N, R-9-N, N.M.P.M.

San Juan County, New Mexico

Scale: 4"= 1 mile

DENVER

Calcent man a man



Union Texas Petroleum Division Suite 1010 Lincoln Tower 1880 Lincoln Street er, Colorado 80295

January 14, 1980

New Mexico Oil Conservation Commission P. O. Box 2088 Santa Fe, New Mexico 87501

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SIGNED

SIGNED

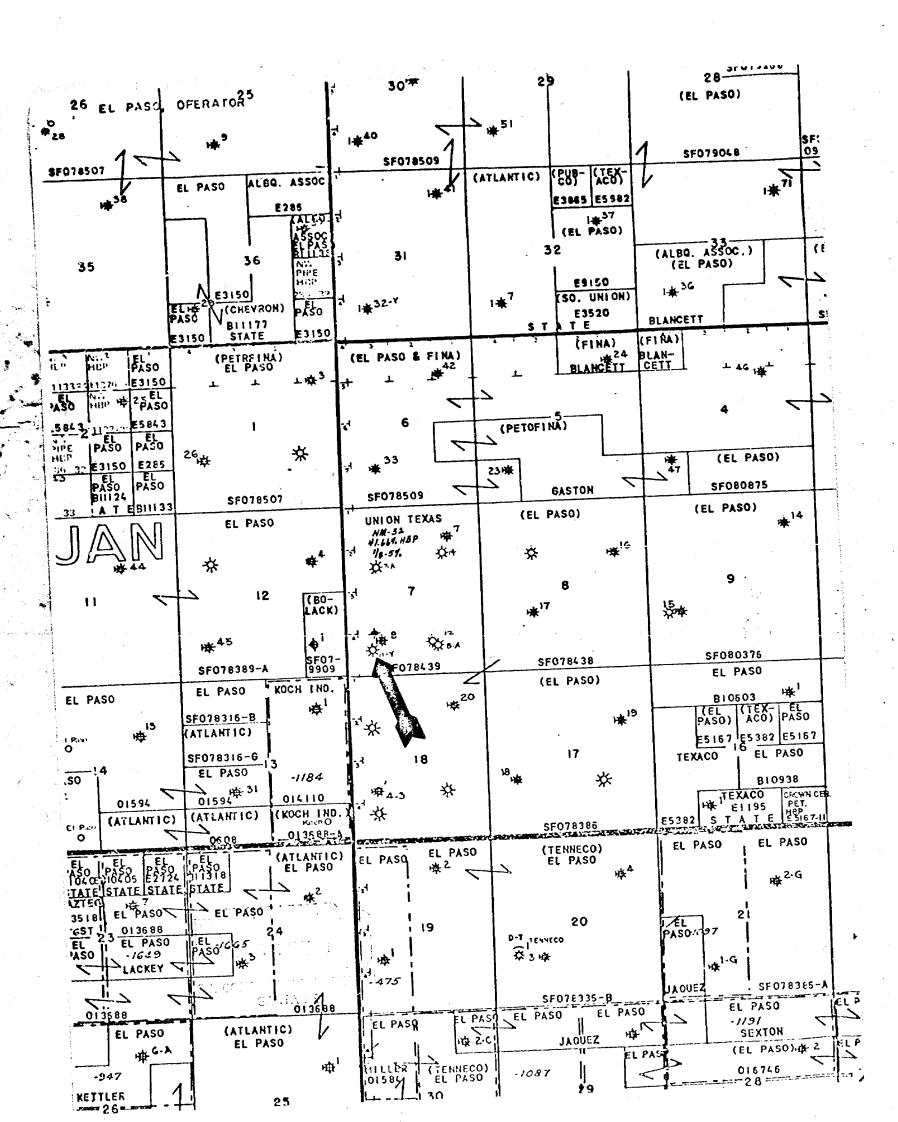
Line President of Production

TITLE

1/21/80

DATE

CALCON COLLEGE SALES



	IN TED STATES IENT OF THE INTER	AUBMIT IN TRI	DE OD TO-	Form approve liudget liures b. LEASE DERIGNATION	u No. 42-R1424.
DOLLMANT TU	EOLOGICAL SURVEY	IOI(with ade)]	SF-078439	X40 B12110 11V.
	CES AND REPORTS	ON WELLS		B. IF INDIAN, ALLOTTE	SKAN SEIFT SO
(Do not use this form for proposa Use "APPLICA"			rolr.		
1. OIL GAB T OTHER			·	7. UNIT AGREEMENT NA	
NION TEXAS PETROLEUM				JOHNSTON FED	
8. APPRESS OF OPERATOR				OUTING TED	ERAL
860 Lincoln St., #1010, [NO. 11Y	
4. LOCATION OF WELL (Report location cle See also space 17 below.) At surface	arly and in accordance with any	State requirements.*	Ŀ	BLANCO PICTU	RED CLIFFS
SE SW (990' FSL & 790)' FWL) SEC.7-T31N-R	19W	5	11. arc., T., R., M., OR I	
14. PERNIT NO.	15. BLEVATIONS (Show whether D	F. D. Ot. etc.)	~ 2	SEC. 7-T31N-R	
14. PROBLEM 10.	6612 GR		<u> </u>	SAN JUAN	NEW MEXI
Le Check App	propriate Box To Indicate I	Nature of Notice,.Re	port, or Otl	ner Data	•
MOTICE OF INTENT	10N TO: 4		SUBSSUE	T REPORT OF:	
	ULL OR ALTER CASING	WATER SHUT-OFF	· []	REPAIRING V	11
 	ULTIPLE COMPLETE	EHOOTING OR ACI		ALTERING C.	
	HANGE PLANS	(Other)		MPLETION	
(Other)		(Nors: Re	port results of	multiple completion on Report and Log for	on Well
17. DESCRIBE PROPOSED OR COMPLETED OPER proposed work. If well is direction	ATIONS (Clearly state all pertine	at details, and give perti	nent dates, in	cluding estimated dat	e of starting any
ment to this work) *	in a superiment	Cr	tide teletem	weptus for an marker	, and somes perti-
10/11 thru 10/15	ing a second of the second of	मेहु है	ာ် တ	•	-
1. MIRU pulling u	int and install BOP		1		
2. Perforate Pict	ured Cliffs formati				
	10-3442; 3447-3453;			3485-3491	
	ed Cliffs with 1500				
	cured Cliffs with 96			foam)	
5. A SWAD AND ITOW	Pictured Cliffs to		K 02 (0)		
10/16 thru 10/22	5 W	·	ນ ດີ ວິ	7	_
三			19 T S		
6: Set retrievabl	e bridge plug at 34	120 tô shut off	Picture	d Cliffs	
7. Perforate Frui	tland with 1 hole p	er foot as fol	Tows:	-	
32/5-3281; 328	86-3289; 3292-3296;	3299-3304; 333	4-3338;	3346-3352;	
9 April - 5300; 33/	2-3378; 3383-3390;	3404-3412		: ·	
O. MUICIZE FRUITI	and from 3334-3412 and from 3275-3304	with 2500 gai.	TOW HOL	-	
10. Swab and flow			13% HUL	:	
11. While circulat			noticed	returns betwe	en .
5-1/2" casing	and 9-5/8" casing			·	
		S - '- 3'	9 8	1	
1-1	<i>y</i>	1 - 17 .	3 5 F 5	<u> </u>	
10 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					•
18. I bereby certify that sometime by	You and correct TITLE D	IST PRODUCT	· ~ ~ ~ ·		MBER 11.
BIGNED DONALD B. WEI	LS TITLE D	IST PRODUCT	· ~ ~ ~ ·		MBER 11.
AMMOUL	LS TITLE D	IST. PRODUCT	ION MGR		MBER 11.

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant full contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

10/23 thru 10/27

1.010 E

- Straddle Fruitland perfs from 3275 and 3304 and cement squeeze with 300 sacks
- of cement (had circulation to surface). Squeeze Braiden head with 50 sx. cement.
- Test squeeze to 1300 and held okay Clean out to PBTD of 3644

10/28 thru 11/11

24.53 34.25 14.23 Swab and flow test all zones. Hole still loading with water.

11/21 thru 11/26

2000 3. 4. Run packer to 3424 Flow test Pictured Cliffs out tubing and Fruitland out annulus. 103 433 3647-36 3647-36 13447-36

11/27 thru 11/28

Straddle Fruit and perfs and acidize perfs (3334-3412) with 4000 gal. 15% HCL.

11/29 thru 12/4

- Set model "F" production packer at 3420 string into packer with production equipment. Flow, tests indicate communication between Fruitland and Pictured
- Pull and check production string and found sleeve open. Replace and rerand
- 20. Pressure test indicate Fruitland perfs communicated with Pictured Cliffs -5 rate suggests only Pictured Eliffs open to production.
- Shut well in for build up and potential test-
- 22. After; potential; test operator will apply for permission to down hole commingle.

ACHMENT I	PARTMENT C		ERIOR		rriiCATE*	G. LEARE DENIGNAT	lureau No. 42	
		CAL SURVE				SF-078439	TTER OR TRIS	E NAME
SUNDRY (Do not use this form Use	MOTICES A				servoir.			
WELL OF WELL OR	OTRES			•	•	7. UNIT AGRESMEN		
HAMB OF OPERATOR IION TEXAS PETROLE ADDRESS OF OPERATOR	UM					JOHNSTON F		·
60 Lincoln St., #						NO. 11Y	V 40 WILLS	
See also space 17 below.) At surface	totation citating and	a accordance with	4	edan emende.	₽	BLANCO PIO	CTURED C	
SE SW (990' FS	L & 790' FWL	SEC.7-T31	:N-R9W		80.58 	SEC. 7-T31N		
6. PERMIT NO.	T	S12 GR	her DF, ET, GE,	eta.)	3330	SAN JUAN	3	MEXI
	heck Appropriate	Box To Indice	ite Nature	of Notice,.	-		•	
- Sozici	OF INTENTION TO: _		.	•	SUBSEIGU	ENT REPORT OF:		
THE WATER SHUT-OFF	POLE OR AL	. 1		WATER SHOT		4	NG CARING	-
SEACTURE TREAT	MOLTIPLE C	<u></u>		PRACTURE TRE		-[NRERIG	
BEPAIR WELL	CHAPGE PL			(Other)		OMPLETION of multiple comple		X
(Other):		ل ا		Complet	ion or Recompl	etion Report and Lo	g form.)	etine and
proposed work. If well next to this work.) *	is directionally drille	r Sine anpenigace	locations ar	id measured a	ad true vertica	l depths for all ma	rkers and so	ies perti-
10/11 thru 10/15				· ·		<i>:</i>	;	
A Surni	115	; ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	50		એ છે. . જે	- •	*	
	lling unt and te Pictured (ith 35 h	· 🗇 Nac ac. f	allows.	•	
	36; 3440-344							.:
3. "Açidize	Pictured Cli	ffs with 1	500 gal	lons 7-1,	/2% HCL			
	ac:Pictured (foam)		•
5.7 Swab an	d flow Pictur	ed Cliffs	to clea	n up afti	er frac	•		
10/16 thru 10/22	- (<u>-</u>	, n		. 3	- N		-	4 (4)
10/10 UNFU 10/22			<u>.</u>	· ·				į
6: Set ret	rievable brid	ige plug af	3420 t	shut o	Ff Pictur	ed Cliffs		
	te Fruitland					,	- :	· ·· · · ·
	81; 3286-3289				334-3338;	3346-3352;		* <u>1</u> . t
	60; 3372-3378					: :		
	Fruitland fo							:••
	Fruitland fi					L .		. •
	d flow test i irculating sa					roturns had	twoon	•
	casing and 9			9 at 572	inociced		incen ;	
	N	1.5	ja Lich		3 9 8	_	•	٠.
	1 1 1	1.4		· 17 ·	. 3 5 2	فزا		
. I hereby certify that feet	treofing le frue and	correct	` ;		; °) ₹ ¼	· ·		•
	N. W. W. S. Sucka	1.	* * * * * * *	DDADUG	TTON MC	D DI	ECEMBER	11.
BIGNED	R UPITE	TITLE	DIST.	PRODUC	TION MG	الكر DALE م	M. M. A. C.	
BIGNED	B WELLS State office use)	TITLE	_BIST.	PRODUC	TION NO	A DATE DA		-
DONALD	B WELLS State office use)	TITLE	_UIST ,	PRODUC	i i	DATE		: .,.

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable state law and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

Hem 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 17: Proposals to shandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fuld contents not scaled off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.

10/23 thru 10/27

- 12. Straddle Fruitland perfs from 3275 and 3304 and cement squeeze with 300 sacks of cement (had circulation to surface);
- Squeeze Braiden head with 50 sx. cement.
- Test squeeze to 1300 and held okay. Clean out to PBTD of 3644

10/28 thru 11/11

Swab and flow test all, zones. Hole still loading with water.

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11/21 thru 11/26

ဝ ကိ Flow test Pictured Cliffs out tubing and Fruitland out annulus;

11/27 thru 11/28

Straddle Fruit and perfs and achtize perfs; (3334-3412) with 4000 gal. 15% HCL.

11/29 thru 12/4

- 18. Set model "F"-production packer at 3420 easting into packer with production equipment; Flow tests indicate communication between Fruitland and Pictured Cliffs.
- Pull and check production string and found sleeve open. Replace and rerand
- 20. Pressure test indicate Fruitland perfs communicated with Pictured Cliffs rate suggests only Pictured Cliffs open to production.

 21. Shut well in for build up and potential test.
- After:potential; test operator will, apply, for permission to down hole commingle.

dr/

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

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

	CASE NO. 6840
	Order No. <u>R-63/2</u>
	APPLICATION OF UNION TEXAS PETROLEUM
	FOR DOWNHOLE COMMINGLING, SAN JUAN
	COUNTY, NEW MEXICO.
	ORDER OF THE DIVISION
(·.	BY THE DIVISION:
	This cause came on for hearing at 9 a.m. on March 26
	19 80 , at Santa Fe, New Mexico, before Examiner Richard L.
	Stamets
	NOW, on this day of, 19 80 , the
	Division Director, having considered the testimony, the record,
	and the recommendations of the Examiner, and being fully
	advised in the premises,
	FINDS:
	(1) That due public notice having been given as required
	by law, the Division has jurisdiction of this cause and the
	subject matter thereof. Union
	(2) That the applicant, /Texas Petroleum , is
	the owner and operator of the
	located in Unit N of Section 7 , Township31 North
	Range 9 West , NMPM, San Juan County, New Mexico.
	(3) That the applicant seeks authority to commingle
Fr	uitland and Pictured Cliffs production
	within the wellbore of the above-described well.
7	That during the process of completion of the
R	ruitland and Pictured Cliffs 2010s become
	ommunicated behind The production casing
	(4) That the Fruit land and Putured Cliffs
g!	roducing intervals are separated by of popproxima

That From the Fruitland exputed to be capable of low marginal production on subject well is capable of low marginal production only subject well is capable of low marginal production only. (4) That the proposed commingling may result in the recovery of additional hydrocarbons from each of the subject pools, thereby preventing waste, and will not violate correlative rights. That the reservoir characteristics of each of the subject zones are such that underground waste would not be caused by the proposed commingling provided that the well is not shut-in for an extended period. That to afford the Division the opportunity to assess the potential for waste and to expeditiously order appropriate remedial action, the operator should notify the Aztec district office of the Division any time the subject well is shut-in for 7 consecutive days. That in order to allocate the commingled production to each of the commingled zones in the subject well, production should be percent of the dommingled allocated to the Fruitland zone, and production to the percent of the commingled zøne. Pictured Eliffs (ALTERNATE) That in order to allocate the commingled production to each of the commingled zones in the wells, applicant should consult with the supervisor of the Aztec district office of the Division and determine an allocation formula for each of the production zones. (10) That the operator should contact should be periodically tested during its first year of production to determine the efficiecy of the downhole comming ling anthorized by This order. empowered to administratively rescind the commingling anthority granted by this order is it should appear. That the well is producing

IT 15 THEREFORE ORDERED:
(1) That the applicant, Union Texas Petroleum , is
hereby authorized to commingle Fruitland and
Pictured Cliffs production within the wellbore of
the Johnston Federal Well No. 11Y, located in Unit N of
Section 7 , Township 31 North , Range 9 West ,
NMPM, San Juan County, New Mexico.
(2) That the applicant shall consult with the Supervisor
of the Aztec district office of the Division and
determine an allocation formula for the allocation of production
to each zone in each of the subject wells and a test school le in accordance with Finding No (if) above. (ALTERNATE)
(2) That percent of the commingled
production shall be allocated to theFruitland
zone andpercent of the commingled
production shall be allocated to the Rictured Cliffs
zone. (3) that the Division shall Delegate witness the test
required by Order (2) above
(4) That the operator of the subject well shall immediately
notify the Division's Aztec district office any time the
well has been shut-in for 7 consecutive days and shall concurrently
present, to the Division, a plan for remedial action.
> (3) (6) 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.
administratively rescind the comminging anthority quanted by this order whenever it should appear
that said Johnston Federal Well Nolly is producing excessive rolames of water or itshould
or to other wise prev otherwise appear necessary
to prevent waste.
Do harries