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CASE NO.

6452

APPlication, Transcripts, Small Exhibits,

ETC.

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION State Land Office Building Santa Fe, New Mexico 28 March 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Burleson & Huff for a non-standard gas proration unit and approval of infill drilling, Lea County, New Mexico.

CASE 6452

BEFORE: Richard L. Stamets

APPEARANCES

TRANSCRIPT OF HEARING

For the Oil Conservation Division:

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

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MR. STAMETS: We'll call next Case 6452.

MS. TESCHENDORF: Case 6452. Application of Burleson and Huff for a non-standard gas proration unit and approval of infill drilling, Loa County, New Mexico.

MR. STAMETS: Are there any appearances in this case today?

This case has been previously advertised and was heard and re-advertised for correction.

There being no appearances today, the record in the original hearing will prevail.

If there is nothing further the hearing is adjourned.

(Hearing concluded.)

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REPORTER'S CERTIFICATE

I, SALLY WLTON BOYD, a Court Reporter, DO HEREBY CERTIFY that the foregoing and attached Transcript of Hearing before the Oil Conservation Division was reported by me; that said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability, knowledge, and skill, from my notes taken at the time of the hearing.

I do here we come that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 6452

> Examiner Oil Conservation Division

STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION State Land Office Building Santa Fe, New Mexico 28 March 1979

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Sally W. Boyd, C.S.R.

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. heard by me on____ , Examiner

Oil Conservation Division



STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

JERRY APODACA GOVERNOR

NICK FRANKLIN SECRETARY

April 9, 1979

POST OFFICE BOX 2008 STATE LAND OFFICE SUIDING SANTA FE, NEW MEXICOUIDO1 1505) 627-2434

| Mr. Jason Kellahin Kellahin & Kellahin | Re: | | 6452 R-5970 | |
|--|--------|-------------------------------|--------------------------|-------|
| Attorneys at Law Post Office Box 1769 Santa Fe, New Mexico | | Applicant: | | |
| | | Burle | son & Huff | |
| Dear Sir: | • | | | |
| Enclosed herewith are Division order recent | two c | opies of the ered in the s | above-refe ubject cas | rence |
| Yours very truly | | 9 S ₁ | | |
| Jold Harrey | | | | |
| JOE D. RAMEY Director | | | | |
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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. 6452 Order No. R-5970

APPLICATION OF BURLESON & HUFF FOR A NON-STANDARD GAS PRORATION UNIT AND APPROVAL OF INFILL DRILLING, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on March 28, 1979, at Santa Fe, New Mexico, before Examiner Richard L. Stamets.

NOW, on this 9th day of April, 1979, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
- (2) That the applicant, Burleson & Huff, seeks a finding that the recompletion of its Harrison Well No. 2 located in Unit N of Section 25, Township 24 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico, or, in the alternative, the drilling of its Harrison Well No. 4 in Unit L of said Section 25, is necessary to effectively and efficiently drain that portion of the provation unit which could not be and was not drained by the previously completed wells on the unit.
- (3) That the standard spacing unit in the Jalmat Gas Pool is 640 acres.
- (4) That the applicant also seeks a waiver of existing well spacing requirements and the establishment of a 160-acre non-standard gas proration unit comprising the SW/4 of the aforesaid Section 25 to be dedicated to the aforesaid Well No. 2, or in the alternative, Well No. 4.

=2= Case No. 6452 Order No. R-5970

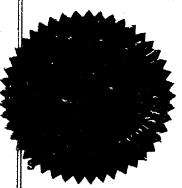
- (5) That a 160-acre non-standard Jalmat gas proration unit, comprising said lands, was previously approved by the Division and was in turn dedicated to applicant's Well No. 3 in Unit K of Section 25 or applicant's Well No. 1 in Unit M of Section 25, but that said non-standard unit expired when one of said wells was deepened to another horizon and the other was reclassified as a Jalmat oil well.
- (6) That the evidence in this case indicates that there are remaining Jalmat gas reserves underlying the SW/4 of Section 25, and that to recover said reserves, it will be necessary to successfully recomplete applicant's Well No. 2 as a Jalmat gas well or to drill and complete the alternative Well No. 4 as a Jalmat gas well.
- (7) That such recompletion or drilling and completion operations should result in the SW/4 of Section 25 being more effectively and efficiently drained than by the previously existing wells on the proration unit and should be approved.
- (8) That the re-establishment of the proposed 160-acre non-standard gas proration unit and approval of either the No. 2 well or the No. 4 as the unit well is in the interest of conservation, will prevent waste, will not impair correlative rights, and should be approved.

IT IS THEREFORE ORDERED:

- (1) That a 160-acre non-standard gas provation unit in the Jalmat Gas Pool, comprising the SW/4 of Section 25, Township 24 South, Range 36 East, NMPM, Lea County, New Mexico, is hereby approved, said unit to be dedicated to the Burleson & Huff Harrison Well No. 2 located in Unit N of said Section 25, or in the alternative, to applicant's Harrison Well No. 4 to be located in Unit L of said Section 25, each of which is hereby approved as an exception to the well spacing requirements for the Jalmat Gas Pool.
- (2) That said non-standard proration unit shall receive an acreage factor of 1.00 for allowable purposes.
- (3) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

-3-Case No. 6452 Order No. R-5970

DONE at Santa Fe, New Mexico, on the day and year herein-above designated.



STATE OF NEW MEXICO OIL CONSERVATION DIVISION

JOE D. RAMEY Director Dockets Nos. 7-79 and 8-79 are tentatively set for hearing on February 28 and March 14, 1979. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - FEBRUARY 14, 1979

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

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

- ALLOWABLE: (1) Consideration of the allowable production of gas for March, 1979, from fifteen prorated pools in Les, Eddy, and Chaves Counties, New Mexico.
 - (2) Consideration of the allowable production of gas for March, 1979, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.
 - (3) Consideration of purchaser's nominations for the one year period beginning April 1, 1979, for both of the above areas.
- CASE 6445: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Consolidated Minerals Development Corporation, American Surety Company, and all other interested parties to appear and show cause why the Sarah "S" Well No. 1 located in Unit J of Section 26, Township 31 North, Range 23 East, Colfax County, New Nexico, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 6446: Application of Flag-Redfern Oil Company for salt water disposal, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks authority to dispose of produced salt water into the San Andres formation through the perforated interval from 4,969 feet to 4,984 feet in its Santa Fe Well No. 2 located in Unit D of Section 35, Township 10 South, Range 36 East, Dickinson-San Andres Pool, Lea County, New Mexico.
- CASE 6447: Application of Atlantic Richfield Company for approval of infill drilling and an unorthodox well location, Lea County, New Mc. ico. Applicant, in the above-styled cause, seeks a finding that the drilling of its J. R. Phillips "B" Well No. 6 to be located at an unorthodox location 990 feet from the North line and 1650 feet from the West line of Section 31, Township 19 South, Range 37 East, Eumont Gas Pool, Lea County, New Mexico, is locessary to effectively and efficiently drain that portion of the previously approved 160-acre non-standard proration unit which cannot be so drained by the existing unit well.
- CASE 6448: Application of Sam H. Snoddy for amendment of Order No. R-5521, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks the amendment of Order No. R-5521 to change the 160acre non-standard proration unit to a 320-acre non-standard proration unit comprising the SW/4 of
 Section 25 and the NW/4 of Section 36, both in Township 20 South, Range 32 East, South Sait Lake
 Field, Lea County, New Mexico.
- CASE 6449: Application of The Superior Oil Company for downhole commingling, Eddy County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for the downhole commingling of Strawn and Morrow production in the wellbore of its Ryan Com. Well No. 1 located in Unit D of Section 5, Township 23 South, Range 27 East, South Carlsbad Field, Eddy County, New Mexico.
- CASE 6450: Application of Sun 011 Company for a unit agreement, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for its East Millman Pool Unit Area comprising 920 acres, more or less, of Federal and state lands in Township 19 South, Range 28 East, Eddy County, New Mexico.
- CASE 6451: Application of Burleson & Huff for approval of infill drilling and an unorthodox well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks a finding that the drilling of its Coll A Well No. 2 to be located at an unorthodox location 1980 feet from the North line and 330 feet from the East line of Section 29, Township 25 South, Range 37 East, Jalmat Gas Pool, Lea County, New Mexico, is necessary to effectively and efficiently drain that portion of the previously approved 160-acre non-standard proration unit which cannot be so drained by the existing unit well.
- CASE 6452: Application of Burleson & Huff for approval of infill drilling, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks a finding that the recompletion of its Harrison Well

 No. 2 located in Unit N or, in the alternative, the drilling of its Harrison Well No. 4 to be located
 in Unit L, both in Section 25, Township 24 South, Range 36 East, Jalcat Gas Pool, Lea County, New

 Mexico, is necessary to effectively and efficiently drain that portion of the previously approved

 160-acre non-standard provation unit which cannot be so drained by the existing unit well.
 - CASE 6453: Application of Moranco for downhole commingling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Blinebry and Drinkard production in the wellbore of its EM Elliott Well No. 1 located in Unit E of Section 35, Township 21 South, Range 37 East, Lea County, New Mexico.

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STATE OF NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION State Land Office Building Santa Fe, New Mexico 14 February 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Burleson and Huff) for approval of infill drilling,) Lea County, New Mexico.

CASE 6452

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

APPEARANCES

For the Oil Conservation Division:

Lynn Teschendorf, Esq. Legal Counsel for the Division State Land Office Bldg. Santa Pa, New Mexico 87503

For the Applicant:

Jason Kellahin, Esq. KELLAHIN & KELLAHIN 500 Don Gaspar Santa Pe, New Mexico 87501

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MR. NUTTER: Call Case Number 6452.

MS. TESCHENDORF: Case 6452. Application of Burleson and Huff for approval of infill drilling, Lea County, New Mexico.

MR. KELLAHIN: Let the record show the same appearance and that the witness has been sworn.

MR. NUTTER: The record will so show.

LEWIS BURLESON

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

DIRECT EXAMINATION

BY MR. KELLAHIN:

Q Mr. Burleson, what do you propose in Case 6452?

A I would like to explain Exhibit Number One, which is a plat of our Harrison lease, which is the southwest quarter of Section 25, 25 South, 36 East, Lea County, New Mexico.

The Harrison -- I'd like to give you the history of the four wells, or the three wells on one location on this plat.

MR. NUTTER: Did you say this is 25 South or 24 South?

WALTON BOYD BHORFFLAND REPORTER Phase (1985) 471-4455

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A. No, excuse me, it's 24 South, excuse me.

That's my error. In 25 South, 24 -- Section 25, 24 South,

36 East.

MR. NUTTER: All right.

A We purchased this lease and Wells Harrison Numbers 1 and 3 were drilled by Humble, and both were Jalmat gas wells.

We deepened the Harrison No. 3 because it was a marginal or submarginal well to the Queen and completed it in the Langlie-Mattix-Queen zone in March -- in July of this year and abandoned the Yates.

The Harrison No. 1 was a gas well and after re-acidizing we brought the oil on and we have now re-classified this as a Jalmat oil well.

So technically speaking, we have no Jalmat gas wells dedicated to this 160-acre tract.

No. 2, as shown on the plat, and completed that as a Langlie Mattix-Queen oil well for 53 barrels of oil a day, and we have a location, our Harrison No. 4, 660 from the west, 1980 from the north, and propose to drill this to the Queen depth and would like -- we'll complete this either in the Yates or the Queen, depending on the section we encounter, or have an option to complete the No. 2 Well, which is a Queen producer in the Yates, and complete the

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No. 4 in the Queen.

Now, you're asking for approval, then, of one of two locations.

- Yes, sir.
- Q. You want approval for both of them at the present time.
- And Exhibit Number Two is our GOR test which À. was filed in January 17th of this year, which shows that we had a GOR of 7750-to-1, which makes this our No. 1 Well a Jalmat oil well.
 - And your exhibit Number Three, what is that?
- Exhibit Number Three is the allowable assigned to this well for February, March, and April.
- Now do you have the bottom hole pressures on your No. 1 and 3 Wells in the Yates?
- This would be the bottom hole pressures from last year run, and the No. 1 Harrison had a bottom hole pressure of 146.2, and the Harrison No. 3, 63.2 pounds.
- Now why have you abandoned the Yates in the No. 3?
- Because it could not buck El Paso's 50 pound line and so we deepened this well and completed it in the Langlie Mattix zone in the Queen.
 - So you closed off the Yates?
 - Yes, sir, we have.

Q Okay, sir. Now Exhibit Number Five?

A Exhibit Number Five is the -- is our Form C-105 in completion of the No. 2 in the Queen, and this well can -- can be perforated and is productive in the Yates.

- Q And your Number Six Exhibit?
- A And Number Six Exhibit is a C-105, which has been approved and we have not drilled this well yet.
- Now, you say on your No. 2 Well that can be completed in the Yates. Would you dually complete or what would you do?
- A No, we would plug the Queen off and complete in the Yates.
- Q What kind of pressures did you have in the Yates in that well?
- A. Well, we haven't completed but I would assume it would be in the 200 to 300 pound range.
- Now, at your proposed location do you anticipate you can produce the Yates gas there?
- A Yes, because the diagonal offsets to the west are gas wells in the Yates and the sands after a study of the sands at this No. 4, this well should find the Yates section, which would be gas, gas productive.
- Now, just to get it clear, what wells have produced from the Yates on your unit?

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The Harrison No. 1 and No. 3.

That is correct.

From the Yates.

From the Yates.

And the No. 1 is now producing as a Jalmat

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oil well.

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To the east in Section 25, TP has a marginal well, their No. 1, in Unit I. There is no Yates -- currently Yates well in the north half of Section 25.

In Section 26 there are two new gas wells that have just recently been drilled in Unit G.

- And that's the only Yates gas production in the area, then?
 - That is correct.
 - And what kind of wells are they, do you know?
- They are -- I would have to classify them as good gas wells.
- And you would anticipate finding similar production?
 - Yes, sir, I would.
 - At your proposed location?

Now, do you have a choice as to which of those two locations you'd rather complete in the Yates zone?

No, sir, I do not. The reason we've done this is that I want to be -- I want to be sure we've covered everything with the Commission if we come back and file for a higher gas price on the new gas pricing.

The No. 4 location is skirting right on top of the Seven Rivers Reef body in here and may not be productive in the Queen. In that case, we have to drill this well to find out. In that case, we will make a Yates well

SALLY WALTON BOY CERTIFIED SHORTHAND REPORT 393 OFFIRE BRIDGE (915) 411-44 SERIA PC, Hew Mexico 8116;

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out of it and leave the No. 3 in the Queen.

If we find a good Queen production in the No. 4, we'll make a Yates well out of No. 2.

- Q And you do want that alternative?
- A. Yes, sir, I would like to have that alternative.
- Now you're asking for 160-acre nonstandard proration unit for the Yates gas production, are you not?
 - A Yes, I am.
- And that's not an existing Yates unit because there is no Yates gas production, is that correct?
 - A That is correct. That is correct.
- Q And are the locations you propose orthodox locations?
 - A. Yes, they are.
 - Q In both cases? In either case?
 - A Yes, they are.
- Q. Now do you have any need for an immediate ruling in this case?
- A. We have a -- this is under continuous development farm-out from Exxon and I would request a hearing, you know, a ruling on this within the next ten days so that we can meet a deadline on our farm-out agreement.
- Now just to sum up your testimony, Mr.
 Burleson, is it necessary to complete one of these wells

BALLY WALTON BOYD
GITTPIED SHORTHAND REPORTES
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Section Pc. New Mondon 61501

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in the Yates for gas production in order to efficiently drain the 160-acre nonstandard proration unit?

- A Yes, it is.
- O. And it cannot be drained by any existing well on the unit today?
 - A No, it cannot.
- Q. Were Exhibits One through Six prepared by you or under your supervision?
 - A. Yes, they were.

MR. KELLAHIN: We offer at this time Exhibits
One through Six.

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

Are there any questions of Mr. Burleson?
Ms. Teschendorf?

CROSS EXAMINATION

BY MS. TESCHENDORF:

Mr. Burleson, the spud date, it looks like from your C-105, the spud date for the Harrison No. 2 was February 1, 1978, so that even if you recompleted this in the Yates, you'd still meet your spud date deadline for the --

- A. Right, that would be correct.
- 1 wanted to ask you some more questions about

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the Harrison No. 1.

It was originally drilled as a Jalmat gas well, is that right?

- A. Yes, that's right.
- Q What kind of gas is it making and when was it reclassified?

A Okay, the -- and I want to apologize, I didn't bring all of the production history. If I'd known you were going to ask these questions, I would have brought it along, but the Harrison No. 1 in November of last year made 1041 Mcf with no oil, and after we re-acidized this zone, we brought the oil on and now we have a GOR and we recompleted -- we reclassified that well in January of this year with a GOR of 7750-to-1.

So this makes this an oil well instead of a gas well.

- Q Is it making gas?
- A Yes, it is.
- Q It is making gas.
- A. Well, in this test it made -- we had three barrels of oil -- I mean, excuse me, three barrels of water, four barrels of oil, and 31 Mcf of gas. So we're making four to five barrels of oil a day from this well.
- Q. And you've got a proration unit here that's dedicated to the Yates oil well, but it is making Yates

SALLY WALTON BOY ENTIPPED SHORTHAND REPORT 920 Plants Sheme (846) 471-4-Sents Fo, New Montoo 5710 gas.

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| | A. | But see, | Jalmat oil | field | always | makes | Yate |
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| gas. | The only | differen | ce, I under | stand, | batwaer | ı Jalma | t oi |
| and g | as is who | n you file | a your GOR, | over 1 | -000,00 | -to-1. | |
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The only thing I'm concerned about is that the FERC doesn't make any distinction between oil wells, gas wells, or associated wells, and if this well is making gas from the Yates, I think our classification system is not going to be important.

But see, we only have 40 acres dedicated right now.

All right.

To that oil well, not the other 120.

What dedication are you going to give to the Yates gas well?

Well, if I have trouble with the FERC, maybe the other 120.

Well, would you be dedicating the same --

Yes, I would.

And would you need then a nonstandard proration unit?

Yes, I would, because really technically when does that unit -- because we don't have a gas well on there.

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MR. NUTTER: Technically there's no proration unit in existence there now, and this thing is advertised simply to say the well is necessary to effectively and efficiently drain that portion of the previously approved 160-acre unit. But it was a previously approved unit which is not in existence at this time.

A Right.

CROSS EXAMINATION

BY MR. NUTTER:

Q Now when did this 160-acre unit cease to exist?

A. When we filed a GOR form, I would assume, in January 17th of this year.

Q. Well now, did your well get reclassified as the result of a workover or simply a change in GOR?

A. Well, it got reclassified. I worked the well over, so therefore had a different GOR.

Q You changed the nature of the production?

A. Right.

Q It was an old Humble gas well.

A That is correct.

Q You took it over, operated it as a gas well, and then worked it over, got this GOR of 7750-to-1, asked for reclassification, and it became an oil well.

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| A. | That | 1 8 | correct. |
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- Q On February the 1st, 1979.
- A That is correct.
- Q So at that date technically the 160-acre nonstandard gas proration unit ceased to exist.
 - A That is correct.
 - Q I see.

MS. TESCHENDORF: So it looks like you'll need a nonstandard unit for your next gas well.

- A That is -- that is correct.
- Mr. Burleson, I was having a little difficulty following all those wells that you were reporting were producing from the Jalmat Pool.
 - A. I was too.
- Q Now you said there is no Yates production in Section 36.
- A No, I said -- I will correct myself, there is no offsetting -- offsetting this unit in Section 36.

 That would be the northwest quarter of Section 36, there's no Yates production.
 - Q Okay.
- A I think there is Yates production in the south part of this section.
- Q Okay. And then in Section 25 TP has a marginal gas well in the Yates, you stated?

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| A. | Yes, | sir. |
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- Q Is that the well there in Unit I?
- A Yes, sir.
- Q And then you said that there is no Yates gas production in the north half, I think.
 - A No, there is not.
- And then you said there were a couple of wells over to the west, the one in G, I think?
- A That is correct, Doyle Hartman's Golson No. 1 and then Sam Ayres has the No. 2 Woolworth in I.
- Q Is that the well that's marked as No. 2 and shows an oil well symbol?
 - A. Yes, sir.
 - Q And that 's actually a gas well?
 - A Gas well.
- Q Okay. What kind of a well is it, do you know?
- A. I would say it produced between 2000 and 3000 Mcf a month.
- Q Now, in the event that you don't get Queen production in the No. 4 but you do have a potential in the Yates, you'll complete it as the gas well on this unit.
 - A That is correct.
- Q In the event you get Queen oil production and lesser gas production in the No. 4, you would recom-

SALLY WALTON BOY ERTIFIED SHORTHAND REPORT 200 Mars Blaces (605) 471-24 Sents Po, New Moxico 5750 10

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plete the No. 2 Well as your unit gas well.

- A That is correct.
- Now, would -- did I understand you to say you would not dual complete it?
 - A I don't like dual wells.
- Q You would abandon a 53 barrel a day oil well and convert it to gas?
- A Yes, I -- well, this is completed -- this well has some problems with a high -- making lots of water, and in fact the last two months this well has not -- I have not produced it. In fact it went to 100 percent, almost 100 percent water, and I don't want to get into this problem, but it may be due to some flood water or some water injection problems in Section 36.
 - Q I see.
- A And so I would not be abandoning a zone that would make 53 barrels of oil a day.
- Q I see. If this was the potential back when it was completed in March of '78, then it might be worthy for consideration for recompletion now.
 - A Right, that's correct.
 - Q Okay.

MS. TESCHENDORF: Jason, I think because of Federal regulations require a finding to explicitly redefine the boundaries of a previously existing unit, or

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grant you a nonstandard unit, I think it might be a good idea to ask us if we would amend your application at this point to include asking for your 160-acre nonstandard gas proration unit, and then we'll readvertise to include that, and that way it will be in here.

MR. KELLAHIN: We would make that request but as far as --

MR. NUTTER: He wants a ten-day ruling to -necessary to satisfy a farm-out agreement. Can you get an
extension?

A No, no, I could get that. It will be all right.

MR. NUTTER: Could you tell them we've got to readvertise this thing?

A Right.

MR. KELLAHIN: We'll make that request, then. I would like to ask the witness one further question, if I may.

REDIRECT EXAMINATION

BY MR. KELLAHIN:

Mr. Burleson, your Harrison No. 1 is producing some gas from the Yates formation, is that correct?

- A That is correct.
- Now will that well produce the gas under-

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lying all of the 160-acre tract you propose to dedicate to a Yates gas well?

- A No, sir, it would not.
- Q Is it capable of doing so at all?
- A No, sir, it is not.
- Q And if another well is drilled on the unit producing Yates gas, would you anticipate the production of substantial reserves that could not be produced by any other well?

A Yes, I would.

MR. KELLAHIN: Thank you.

MR. NUTTER: Are there any other questions of Mr. Burleson? He may be excused.

Do you have anything further, Mr. Kellahin?

MR. KELLAHIN: That's all I have, Mr. Nutter.

Thank you.

MR. NUTTER: We'll take the case under advisement and readvertise the thing as soon as we find out what unit we want to dedicate. I presume it would be the 160.

In the meantime we will take it under advisement.

(Hearing concluded.)

I, SALLY W. BOYD, a Court Reporter, DO HEREBY

CERTIFY that the foregoing and attached Transcript of

Hearing before the Oil Conservation Division was reported

by me; that the said transcript is a full, true, and correct

record of the hearing, prepared by me to the best of my

ability, skill and knowledge, from my notes taken at the

time of the hearing.

Sally W. Boyd, C.S.R.

I do hereby ceriff that the foregoing is a complete the Execution Division, Examiner

SALLY WALTON BOY!
INDIRED SHORTHAND REPORTE
STEPHEN BRADE (615) 471-54;
SARIA Pe, New Mexico 57131

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION
State Land Office Building
Santa Fe, New Mexico
14 February 1979

EXAMINER HEARING

IN THE MATTER OF:

Application of Burleson and Huff) for approval of infill drilling,)
Lea County, New Mexico.

CASE 5452

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BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

APPEARANCES

For the Oil Conservation Division:

Lynn Teschendorf, Esq.
Legal Counsel for the Division
State Land Office Bldg.

Santa Fe, New Mexico 87503

For the Applicant:

Jason Kellahin, Esq. KELLAHIN & KELLAHIN 500 Don Gaspar

Santa Fe, New Mexico 87501

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LEWIS BURLESON

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Cross Examination by Mr. Nutter 13

Redirect Examination by Mr. Kellahin 17

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EXHIBITS

Applicant Exhibit One, Plat

Applicant Exhibit Two, GOR Test

Applicant Exhibit Three, Document

Applicant Exhibit Four,

Applicant Exhibit Five, C-105

Applicant Exhibit Six, C-105

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MR. NUTTER: Call Case Number 6452.

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MS. TESCHENDORF: Case 6452. Application of

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Burleson and Huff for approval of infill drilling, Lea County, New Mexico.

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MR. KELLAHIN: Let the record show the same appearance and that the witness has been sworn.

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MR. MUTTER: The record will so show.

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LEWIS BURLESON

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

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DIRECT EXAMINATION

BY MR. KELLAHIN:

DI PIK. KEMBARIN

Q Mr. Burleson, what do you propose in Case

6452?

A I would like to explain Exhibit Number One, which is a plat of our Harrison lease, which is the southwest quarter of Section 25, 25 South, 36 East, Lea County, New Mexico.

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The Harrison -- I'd like to give you the history of the four wells, or the three wells on one location on this plat.

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MR. NUTTER: Did you say this is 25 South

or 24 South?

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TIPES SHORTHAND REPORTER

FRANK BANCO (0.8) A11-446

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A. No, excuse me, it's 24 South, excuse me.

That's my error. In 25 South, 24 -- Section 25, 24 South,

36 East.

MR. NUTTER: All right.

A. We purchased this lease and Wells Harrison Numbers 1 and 3 were drilled by Humble, and both were Jalmat gas wells.

We deepened the Harrison No. 3 because it was a marginal or submarginal well to the Queen and completed it in the Langlie-Mattix-Queen zone in March -- in July of this year and abandoned the Yates.

The Harrison No. 1 was a gas well and after re-acidizing we brought the oil on and we have now re-classified this as a Jalmat oil well.

So technically speaking, we have no Jalmat gas wells dedicated to this 160-acre tract.

I'd like to explain, we drilled our Harrison No. 2, as shown on the plat, and completed that as a Langlie Mattix-Queen oil well for 53 barrels of oil a day, and we have a location, our Harrison No. 4, 650 from the west, 1980 from the north, and propose to drill this to the Queen depth and would like -- we'll complete this either in the Yates or the Queen, depending on the section we encounter, or have an option to complete the No. 2 Well, which is a Queen producer in the Yates, and complete the

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No. 4 in the Queen.

Now, you're asking for approval, then, of one of two locations.

- A. Yes, sir.
- Q You want approval for both of them at the present time.
- A. And Exhibit Number Two is our GOR test which was filed in January 17th of this year, which shows that we had a GOR of 7750-to-1, which makes this our No. 1 Well a Jalmat oil well.
 - Q And your exhibit Number Three, what is that?
- A Exhibit Number Three is the allowable assigned to this well for February, March, and April.
- Q Now do you have the bottom hole pressures on your No. 1 and 3 Wells in the Yates?
- A. This would be the bottom hole pressures from last year run, and the No. 1 Harrison had a bottom hole pressure of 146.2, and the Harrison No. 3, 63.2 pounds.
- Q. Now why have you abandoned the Yates in the No. 3?
- A Because it could not buck El Paso's 50 pound line and so we deepened this well and completed it in the Langlie Mattix zone in the Queen.
 - Q So you closed off the Yates?
 - A. Yes, sir, we have.

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Q Okay, sir. Now Exhibit Number Five?

A. Exhibit Number Five is the -- is our Form C-105 in completion of the No. 2 in the Queen, and this well can -- can be perforated and is productive in the Yates.

- Q And your Number Six Exhibit?
- A And Number Six Exhibit is a C-105, which has been approved and we have not drilled this well yet.
- Q Now, you say on your No. 2 Well that can be completed in the Yates. Would you dually complete or what would you do?
- A. No, we would plug the Queen off and complete in the Yates.
- Q What kind of pressures did you have in the Yates in that well?
- A. Well, we haven't completed but I would assume it would be in the 200 to 300 pound range.
- Now, at your proposed location do you anticipate you can produce the Yates gas there?
- A. Yes, because the diagonal offsets to the west are gas wells in the Yates and the sands -- after a study of the sands at this No. 4, this well should find the Yates section, which would be gas, gas productive.
- Now, just to get it clear, what wells have produced from the Yates on your unit?

SALLY WALTON BOYD CERTIFIED SHORTHAND REPORTER 8858 Plan Blanca (663) 471-2-66 Sente Pe, New Mexico 87501

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| A. | \mathtt{The} | Harrison | No. | 1 | and | No. | 3. |

- Q. And the No. 1 is now producing as a Jalmat oil well.
 - A. That is correct.
 - Q. From the Yates.
 - A. From the Yates.
 - Q And your No. 3?
- A. No. 3 was deepened to the Queen and the Yates was abandoned.
- Q. So now you want to drill a Yates well, gas well on the unit.
 - A Right, that is correct.
- And as I understand, there is no Yates gas production from the unit? At this time?
 - A. Yes, that would be correct.
- Q And as the situation exists, there is no well located on the unit capable of producing Yates gas.
 - A. No, sir, there is not.
- Q. Now, on the other case you were asked some questions about the offsetting wells. I think we'd just as well try to cover those at this point, if you would.

 Are there any offsetting Yates production?
- A. To the south there is Jalmat oil production in the northwest quarter of Section 36, and there's no gas, Yates gas production.

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To the east in Section 25, TP has a marginal well, their No. 1, in Unit I. There is no Yates -- currently Yates well in the north half of Section 25.

In Section 26 there are two new gas wells that have just recently been drilled in Unit G.

- Q And that's the only Yates gas production in the area, then?
 - A. That is correct.
 - Q. And what kind of wells are they, do you know?
- A They are -- I would have to classify them as good gas wells.
- Q. And you would anticipate finding similar production?
 - A. Yes, sir, I would.
 - Q At your proposed location?

Now, do you have a choice as to which of those two locations you'd rather complete in the Yates zone?

A. No, sir, I do not. The reason we've done
this is that I want to be -- I want to be sure we've covered
everything with the Commission if we come back and file for
a higher gas price on the new gas pricing.

The No. 4 location is skirting right on top of the Seven Rivers Reef body in here and may not be productive in the Queen. In that case, we have to drill this well to find out. In that case, we will make a Yates well

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out of it and leave the No. 3 in the Queen.

If we find a good Queen production in the No. 4, we'll make a Yates well out of No. 2.

- And you do want that alternative?
- A. Yes, sir, I would like to have that alternative.
- 9. Now you're asking for 160-acre nonstandard proration unit for the Yates gas production, are you not?
 - A. Yes, I am.
- Q And that's not an existing Yates unit because there is no Yates gas production, is that correct?
 - A. That is correct. That is correct.
- And are the locations you propose orthodox locations?
 - A. Yes, they are.
 - Q. In both cases? In either case?
 - Yes, they are.
- Q Now do you have any need for an immediate ruling in this case?
- A. We have a -- this is under continuous development farm-out from Exxon and I would request a hearing, you know, a ruling on this within the next ten days so that we can meet a deadline on our farm-out agreement.
- Now just to sum up your testimony, Mr.
 Burleson, is it necessary to complete one of these wells

SALLY WALTON BOYD
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in the Yates for gas production in order to efficiently drain the 160-acre nonstandard proration unit?

- A. Yes, it is.
- Q. And it cannot be drained by any existing well on the unit today?
 - A. No, it cannot.
- Q Were Exhibits One through Six prepared by you or under your supervision?
 - A Yes, they were.

MR. KELLAHIN: We offer at this time Exhibits
One through Six.

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

Are there any questions of Mr. Burleson?
Ms. Teschendorf?

CROSS EXAMINATION

BY MS. TESCHENDORF:

Mr. Burleson, the spud date, it looks like from your C-105, the spud date for the Harrison No. 2 was February 1, 1978, so that even if you recompleted this in the Yates, you'd still meet your spud date deadline for the --

- A. Right, that would be correct.
- Q. I wanted to ask you some more questions about

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the Harrison No. 1.

It was originally drilled as a Jalmat gas well, is that right?

- Yes, that's right.
- Q. What kind of gas is it making and when was it reclassified?

Okay, the -- and I want to apologize, I didn't bring all of the production history. If I'd known you were going to ask these questions, I would have brought it along, but the Harrison No. 1 in November of last year made 1041 Mcf with no oil, and after we re-acidized this zone, we brought the oil on and now we have a GOR and we recompleted -- we reclassified that well in January of this year with a GOR of 7750-to-1.

So this makes this an oil well instead of a gas well.

- Is it making gas?
- Yes, it is.
- It is making gas.
- Well, in this test it made -- we had three barrels of oil -- I mean, excuse me, three barrels of water, four barrels of oil, and 31 Ncf of gas. So we're making four to five barrels of oil a day from this well.
- And you've got a proration unit here that's dedicated to the Yates oil well, but it is making Yates

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gas.

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A. But see, Jalmat oil field always makes Yates gas. The only difference, I understand, between Jalmat oil and gas is when you file your GOR, over 100,000-to-1.

This is my -- then it's a gas well.

On The only thing I'm concerned about is that the FERC doesn't make any distinction between oil wells, gas wells, or associated wells, and if this well is making gas from the Yates, I think our classification system is not going to be important.

A. But see, we only have 40 acres dedicated right now.

O. All right.

A To that oil well, not the other 120.

What dedication are you going to give to
 the Yates gas well?

A. Well, if I have trouble with the FERC, maybe the other 120.

Q Well, would you be dedicating the same --

A. Yes, I would.

Q. And would you need then a nonstandard proration unit?

A Yes, I would, because really technically when does that unit -- because we don't have a gas well on there.

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MR. NUTTER: Technically there's no proration unit in existence there now, and this thing is advertised simply to say the well is necessary to effectively and efficiently drain that portion of the previously approved 160-acre unit. But it was a previously approved unit which is not in existence at this time.

A. Right.

CROSS EXAMINATION

BY MR. NUTTER:

Now when did this 160-acre unit cease to exist?

A When we filed a GOR form, I would assume, in January 17th of this year.

Q Well now, did your well get reclassified as the result of a workover or simply a change in GOR?

A Well, it got reclassified. I worked the well over, so therefore had a different GOR.

Nou changed the nature of the production?

A Right.

Ω It was an old Humble gas well.

A That is correct.

Q You took it over, operated it as a gas well, and then worked it over, got this GOR of 7750-to-1, asked for reclassification, and it became an oil well.

BALLY WALTON BOY ERTIFIED SHORTHAND REPCRT 518 Flace Banda (649, 411-24 Emeta Pe, New Moxico 8110

| CENTIFIED SHORTHAND REPORTED 3010 Plant, Blanca (601) 471-346 State P3, New Maxico 51101. |
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- A. That is correct.
- On February the 1st, 1979.
- A That is correct.
- 2 So at that date technically the 160-acre nonstandard gas proration unit ceased to exist.
 - A That is correct.
 - O. I see.

MS. TESCHENDORF: So it looks like you'll need a nonstandard unit for your next gas well.

- A. That is -- that is correct,
- Mr. Burleson, I was having a little difficulty
 following all those wells that you were reporting were producing from the Jalmat Pool.
 - A. I was too.
- Now you said there is no Yates production in Section 36.

A No, I said -- I will correct myself, there is no offsetting -- offsetting this unit in Section 36.

That would be the northwest quarter of Section 36, there's no Yates production.

Q Okay.

A I think there is Yates production in the south part of this section.

Q Okay. And then in Section 25 TP has a marginal gas well in the Yates, you stated?

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| W 700' OTT | A. | Yes, sir |
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- Q. Is that the well there in Unit I?
- A. Yes, sir.
- gas production in the north half, I think.
 - A No, there is not.
- And then you said there were a couple of wells over to the west, the one in G, I think?
- A. That is correct, Doyle Hartman's Golson No. 1 and then Sam Ayres has the No. 2 Woolworth in I.
- Q Is that the well that's marked as No. 2 and shows an oil well symbol?
 - A Yes, sir.
 - Q And that's actually a gas well?
 - A. Gas well.
- Q Okay. What kind of a well is it, do you know?
- A. I would say it produced between 2000 and 3000 Mcf a month.
- Now, in the event that you don't get Queen production in the No. 4 but you do have a potential in the Yates, you'll complete it as the gas well on this unit.
 - A That is correct.
- A In the event you get Queen oil production and lesser gas production in the No. 4, you would recom-

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plete the No. 2 Well as your unit gas well.

- A. That is correct.
- Now, would -- did I understand you to say you would not dual complete it?
 - A. I don't like dual wells.
- Q You would abandon a 53 barrel a day oil well and convert it to gas?
- A. Yes, I -- well, this is completed -- this well has some problems with a high -- making lots of water, and in fact the last two months this well has not -- I have not produced it. In fact it went to 100 percent, almost 100 percent water, and I don't want to get into this problem, but it may be due to some flood water or some water injection problems in Section 36.
 - Q I see.
- A. And so I would not be abandoning a zone that would make 53 barrels of oil a day.
- Q I see. If this was the potential back when it was completed in March of '78, then it might be worthy for consideration for recompletion now.
 - A Right, that's correct.
 - Q Okay.

MS. TESCHENDORF: Jason, I think because of Federal regulations require a finding to explicitly rederine the boundaries of a previously existing unit, or

SALLY WALTON BOY CERTIFIED SHORTHAMD REPORT 1939 Plan Blanca (645) 471-4 Senth Pa, New Mexico 4774

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grant you a nonstandard unit, I think it might be a good idea to ask us if we would amend your application at this point to include asking for your 160-acre nonstandard gas provation unit, and then we'll readvertise to include that, and that way it will be in here.

MR. KELLAHIN: We would make that request but as far as --

MR. NUTTER: He wants a ten-day ruling to -necessary to satisfy a farm-out agreement. Can you get an
extension?

A. No, no, I could get that. It will be all right.

MR. NUTTER: Could you tell them we've got to readvertise this thing?

A. Right.

MR. KELLAHIN: We'll make that request, then. I would like to ask the witness one further question, if I may.

REDIRECT EXAMINATION

BY MR. KELLAHIN:

Mr. Burleson, your Harrison No. 1 is producing some gas from the Yates formation, is that correct?

A. That is correct.

Now will that well produce the gas under-

24 25 SALLY WALTON BOY!
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lying all of the 160-acre tract you propose to dedicate to a Yates gas well?

- A No, sir, it would not.
- Q Is it capable of doing so at all?
- A. No, sir, it is not.
- And if another well is drilled on the unit producing Yates gas, would you anticipate the production of substantial reserves that could not be produced by any other well?
 - A. Yes, I would.

MR. KELLAHIN: Thank you.

MR. NUTTER: Are there any other questions of Mr. Burleson? He may be excused.

Do you have anything further, Mr. Kellahin?

MR. KELLAHIN: That's all I have, Mr. Nutter.

Thank you.

MR. NUTTER: We'll take the case under advisement and readvertise the thing as soon as we find out what unit we want to dedicate. I presume it would be the 160.

In the meantime we will take it under advisement.

(Hearing concluded.)

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REPORTER'S CERTIFICATE

I, SALLY W. BOYD, a Court Reporter, DO HEREBY

CERTIFY that the foregoing and attached Transcript of

Hearing before the Oil Conservation Division was reported

by me; that the said transcript is a full, true, and correct

record of the hearing, prepared by me to the best of my

ability, skill and knowledge, from my notes taken at the

time of the hearing.

Sally W. Boyd, C.S.R.

I do hereby certify that the foreasing is
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BURLESON & HUFF

BOX 2479 - PHONE 663-4747 MIDLAND, TEXAS 79702

Febraury 19, 1979

Re:

File.

New Mexico Oil Conservation Commission P. O. Box 2088

Santa Fe, New Mexico 87501

Case No. 6452
Harrison 2 or 4
SW/4 Sec. 25, T-24-S, R-36-E,
Lea County, New Mexico

Gentlemen:

In a continuation of Case No. 6452 held before the Commission last Wednesday, February 14, 1979, we request a non-standard 160 acre spacing unit so either our Harrison # 2 located in unit N or our Harrison # 4 located in unit L will be the dedicated well, depending on how the log on the Harrison # 4 looks when this well is drilled. This requested 160 acre unit was our previously dedicated 160 acre unit for the Harrison # 1 and the Harrison # 3. The Harrison # 3 is currently producing in the Langlie-Mattix and the Harrison # 1 is a Jalmat oil well.

Three copies of plat showing the location of our well and our proposed spacing unit are enclosed. The proposed unit is outlined in red.

Copies of this application and plat have been sent to all offsetting operators, as follows:

Texas Pacific Oil Company Box 4067 Midland, Texas 79702

Doyle Hartman 508 C & K Petroleum Bldg. Midland, Texas 79701

Reserve Oil, Inc. HEF Bldg. Midland, Texas 79701 Shell Oil Company Box 1509 Midland, Texas 79702

Sam D. Ares 4433 Conley Odessa, Texas 79760

Lewis B. Burles

I.BB/sw

- Application of Southland Royalty Company for compulsory pooling, San Juan County, New Mexico.

 Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the Dakota formation underlying the W/2 of Section 31, Township 31 North, Range 11 West, San Juan County, New Mexico, to be dedicated to its Grenier Well No. 23 drilled at a location 1190 feet from the South and West lines of said Section 31. 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 6516: Application of Union 0il Company of California for a unit agreement, Lea County, New Mexico.

 Applicant, in the above-styled cause, seeks approval for its Maduro Unit Area, comprising 2,560

 acres, more or less, of Federal and State lands in Township 19 South, Range 33 East, Lea County, New Mexico.

CASE 6452: (Continued and Readvertised)

"Application of Burleson & Huff for a non-standard gas proration unit and approval of infill drilling, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard gas proration unit comprising the SW/4 of Section 25, Township 24 South, Range 36 East, Jalmat Gas Pool, Lea County, New Mexico. Applicant further seeks a finding that the recompletion of its Harrison Well No. 2 located in Unit N or in the alternative, the drilling of its Harrison Well No. 4 in Unit L, of Section 25 is necessary to effectively and efficiently drain that portion of the previously approved 160-acre proration unit which cannot be drained by the old unit well.

Dan Nutter

Core 6452 (Cont & reals)

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for a non-shouland gas

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Dan Nutter

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| ogg B | N Everer | Lea County, New Table Case No. 649 | w Mexico | 2) \$3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 | 3532) OF | OF TOP | | 1 |
| AND AND ASSESSED. | • | | and the second s | 2 1278 Tana Banas Windows along palin a Hillion and major na la | <u> </u> | Process of the state of the sta | A of . | 1 |

NEW MEXICO OIL CONSERVATION COMMISSION GAS - OIL RATIO TESTS

C-116
Revised I-1-65

| | | | | | | | | • | | | | | | Revised I | 1-65 | |
|--|--|-----------------------------|------------------------------------|--------------------|----------------------|------------------------------|------------------|----------------------------|---------------------------------------|--------------|--------|--------|-------------|----------------|--------------|-------------------------------|
| Bunleson & Huff | | | Poo | | iaimai | | | | · · · · · · · · · · · · · · · · · · · | Cou | enty | Lea | | , | | |
| Box 2479, Midland, Texas | 79702 | | | | | | | E O F T (X) | Sch | eduled | | Comp | oletion [| | Spec | elal 💢 |
| | WELL | | Loc | ATION | | DATEO | F | CHOKE | TBG. | DAILY | LENGTH | Р | | URING | TEST, | GAS - OIL |
| LEASE NAME | ΝО. | U | s | т | R | TEST | | SIZE | PRESS. | ALLOW- | HOURS | BBLS. | GRAV. | OIL , BBLS. | . GAS | RATIO CU.FT/BBI |
| ison | 1 | , M | 25 | 24 | 36 | 1-15-79 | P | | - | 0 | 24 | 3 | 34 | 4 | 31 | 7750 : 1 |
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| PLEASE | RECLASS | FY A | S JAL | MAT (| IL WE | L | | - | | | | | | | | |
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| | | | | | | | | | | | CAS | INO. | 64 | 52 | | |
| | | | | | | | | | | | | | | | | |
| No well will be assigned an all During gas-oil ratio test, each located by more than 25 percent. Ope increased allowables when authorized Gas volumes must be reported will be 0.60. Report casing pressure in ileu | well shall trator is enc by the Comm in MCF mer | be pro ourage dasion. | oduced a d to take at a pres | t a rate advant | not exc age of th | eeding the topics 25 percent | p unit tolers | ellowable f nce in orde | r that well | can be ass | igned* | is tru | | omplete | | e information t of my know |
| Mail original and one copy of Kale 391 and appropriate pool rules. | | | | | | | Con se | rvetion Con | mission i | n accordance | with | | ir / | (Si | gnature) | |
| | | • | | | | Case | No. | 6452 | | | • | | | vner 17, 1 | Tide) 979 | |

NEW MEXICO OIL CONSERVATION COMMISSION

Hobbs, New Mexico 88240

DISTRICT OFFICE

January Thru April, 1979 1118C

SUPPLEMENT TO THE OIL PROPATION SCHEDULE

DATE February 1, 1979

PURPOSE ALLOWABLE ASSIGNMENT (OLD WELL) (RECLASSIFIED FROM GAS TO OIL)

Effective February 1, 1979, an allowable of 4 barrels of oil per day is hereby assigned to the Burleson & Huff, Harrison, 1-M, 25-24-36, Jalmat Yates Seven Rivers Pool.

February Total

112 Barrels

March Total

124 Barrels

April Total

120 Barrels

BEFORE EXAMINER MUTTER
OIL CONSERVATION DIVISION
EXHIBIT NO. 3
CASE NO. 452

J int

JS/vho

Burleson & Huff

Permian

El Paso

OIL CONSERVATION COMMISSION

Case No. 6452

DISTRIBUTION: WHITE - OPERATOR, YELLOW - TRANSPORTER, PINK - OCC. SANTA FE, GOLD - OFFICE COPY, GREEN - EXTRA COPY.

PURLESON & HUFF BOX 935 - MIDLAND, TX JALMAT LEA COUNTY NEW MEXICO

| LEASE | WELL NO. | UNIT. | LOCA | TION | HUE. | DATE PRESS. | TIME S.I. | S.I. PRESSURE | S.I. PRESSURE | PREV. TEST |
|-----------------------|---------------------------------------|----------------|------------|------|------|-------------|-----------|--|---------------|------------|
| Arco , | 2-Y | н | 21 | 25 | 37 | 5-10-77 | 72 | 143 | 156.2 | New Well |
| Aztec | 1 | ĸ | 51 | 25 | 37 | 5-10-77 | 72 | 71 | 84.2 | 4-13-76 |
| Coll A | 1 | O | 29 | 25 | 37 | 5-10-77 | 72 | 12 | 25.2 | 4-13-76 |
| bok | 1 | ρ | 28 | 25 | 37 | 5-10-77 | 72 | 218 | 231.2 | 4-13-76 |
| Cook BEFORE DAA | 25 | uns | ₹ 28 | 25 | 37 | 5-10-77 | 72 | NO 2" Val | re · | 4-13-76 |
| Dale Fed OIL CONSTITU | MOR DIV | ISICAN | 29 | 26 | 37 | 5-3-77 | 72 | 303 | 316.2 | New Well |
| Dyer Bally EXIS | | Д н | <u></u> 31 | 25 | 37 | 5-10-77 | 72 | 50 | 63.2 | New Well |
| Exxon CASE NO. 643 | | J | -21 | 25 | 37 | 9-27-77 | 72 | 20 | 33.2 | New Well |
| Gutman · | · · · · · · · · · · · · · · · · · · · | T - | 29 | -25 | 37 | 5-10-77 | 72 | 215 | 228.2 | 4-13-76 |
| Hadfield | 1 | P | 51 | 25 | 37 | 5-24-77 | 72 | 158 | 171.2 | 4-27-76 |
| Harrison | 1 | М | 25 | 24 | 36 | 7-12-77 | 72 | | 146.2 | 6-2-76 |
| arrison | 3 | к | . 25 | 24 | 36 | 7-12-77 | .72. | 50 · · · · · · · · · · · · · · · · · · · | 63.2 | 6-2-76 |
| .Anehart | 3 | r | 51 | 25 | 37 | 5-10-77 | 72 | 243 | 256.2 | 4-13-76 |
| Leonard | 1 | P | 20 | 25 | 37 | 5-10-77 | 72 | 201 | 214.2 | New Well |
| Leonard | 2 | I | 50 | 25 | 37 | 5-10-77 | 72 | 200 | 213.2 | 4-10-76 |
| Saunders | 2 | F | 28 | 25 | 37 | 5-10-77 | 72 | 550 | 563.2 | New Well |
| · • • | | | | | | | | | | • |
| | | | | | | | | | , | |

by certify that the above information is true and complete to the best of my knowledge and belief. SEE RULE 402

Title Case No. 6452

<u>Jaic</u>

| DISTRIBUTIO | | | | | | | | | | m C-105 Vised H-1-16 |
|--|----------------------|---|---------------------------------------|-------------------------------------|-----------------------|----------|-----------------------------|----------------|----------------|----------------------------------|
| SANTA-FE - | | | | | | | | | So. Ind | Icate Type of Lease |
| FILE | _w | NEW ELL COMPL | 1 | | NSERVATI | | | | Sta | le 🔲 · |
| U.S.G.S. | | ELL COMPL | E HQN C | IN NEC | OMPLEH | ON KE | PORI | AND CO | 3, Sint | e Oll & Gos Leuse No. |
| LAND OFFICE | | : | | | | | | | **** | • |
| OPERATOR | | • | | 2.0 | e e e | | | , , , | | |
| 10. TYPE OF WELL | OIL | [v] 6A9 | [] | 五 | TI | i di | Allah Estat G | | - 23 | Aercement Name |
| b. TYPE OF COMPL | | | : [_] : [_] | , CA | SE NO. | 4 | ¥5.2 | | e. Puin | o Lease Nume |
| 2. Name of Operator | DEEDEN DEEDEN | <u>a</u> | ه ایا | s Va. | | | | | 9. Weil | rafison №. |
| Burleson & | | | | | | | | - | - 10 Fr | 2 Id and Pool, or Wildcot |
| | Midland, Tex | as 79702 | e d | | | | | | | lie-Mathix |
| 4. Location of Well | | | · · · · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · | | | | `. | 1111 | umininini |
| UNIT LETTER N | LOCATED | 660 | | South | 1105 400 | | าจลก | . FECT FROM | | |
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| THE WEST LINE OF | sec. 25 TW | | 36E | <u> НМРМ</u> | | 7777. | X / I / I | | Lea | |
| 15. Date Spudded 2-1-78 | | ached 17, Date | 3-15-7 | | (rod.) 16. | | ons <i>(DF,</i> 81.1 (| | GR, etc.) | 19. Elev. Cashinghead 3281.,1 |
| 20. Total Depth 3620 | | Back T.D. 3619 | | If Multipl Many | e Compl., He | 2 w | 3. Interv Dřille | als Rot | ary Tools | Cable Tools |
| 24. Producing Interval | 4 | · • · · · · · · · · · · · · · · · · · · | n, Name | <u> </u> | . : | | | | , | 25. Was Directional Survey |
| | from 3502 to | | | | | | | | | Mode no |
| 26. Type Electric and (| Other Logs Run | .1 | | | | | : | ; | 2 | 7, Was Wel! Cored ~ |
| Gamma Ray M | leutron Denis | sty and Du | al Late | rlog | | • | | | 199 | no |
| 28. | | | | | ort all string | s set in | well) | • | | |
| CASING SIZE | WEIGHT LB./F | T. DEPT | H SET | HOL | E SIZE | | CEME | NTING RE | CORD | AMOUNT PULLED |
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| 4-1/2 | 9.5# | 36 | 20 | | 5/8" | 300 |) | | | Top of base of |
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| 29. | 1 10 | ER RECORD | | | | 30 | | | TUBING P | ECORD. |
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| VIE - | | 50110m | JONE NO C | | JORCEN | | 2-3/8 | | 487 | 3487 |
| | | | | | | | <u> </u> | 2 | 907 | 340/ |
| 31. Perforation Record | Interval, size and n | umber) | | | 32. | ACID, S | HOT, F | RACTURE | CEMENT | SQUEEZE, ETC. |
| 3502.03.0 | 4, 05, 64, 6 | 5, 68, 70 | . 75. 7 | 7 | ОЕРТН | INTER | | 1 | | KIND MATERIAL USED |
| and 78 | | | | | 3502 | - 357 | 8 | 1250 | qal. a | cid |
| * | • | | • | | | | | | | |
| | | | | | <u></u> | | | | | |
| | | | | | <u> </u> | | | L | | |
| 33, Date First Production | . Dead | on Method (Flou | uine acali | | CTION | d tune e | ump.) | | W-11 C- | itus (Prod. or Shut-in) |
| 3-15-78 | fl | owing | | · | | | | | prod | ucing |
| 3-15-78 | Hours Tested 24 | 32/64 | Prod'n. I Test Per | | он – вы. 53 | Ga | s — мсғ 355 | Wat | е: — Вы. 10 | Ges Oil Retio |
| Ficw Tubing Press. | Caning Pressure | Calculated 24- Hour Rate | 1 | 1. | Gas - N | CF | | iter – Bbl. | | Oil Gravity - API (Corr.) |
| 20 34. Disposition of Gas (| packer | <u> </u> | 53 | | 355 | | | 10 | it Witnesses | 35 |
| · · · | | | Compai | ιy | | | | | | Burress |
| to be sold | CO El laso II | | | | | | | | | |
| 35. List of Attochments | | ev | | | - | | | 1 | • | |
| 35. List of Attochments logs and de | viation surv | | of this for | m is true | and complet | e to the | best of | my knowled | lge und beli | ict |
| 35. List of Attochments | viation surv | | • • | | and complet | e to the | best of i | my knowled | | ie, 3-16-78 |

Case No. 6452

This form is to be filed with the appropriate duffet either of the Commission not later than 20 days after the completion of any newly-drifted or despend well. It shall be accomposited by a copy of all electrical and radio-activity logs run—in well and a summary of oil special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Bute 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

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| | - ** | W MEXICO OIL CONS | ERVATION COMMISSIO | N Form C-10 Revised 1 | |
| FILE | | | | | ate Type of Lease |
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| | ON FOR PERMIT T | O DRILL, DEEPEN, | OR PLUG BACK | Z///// | |
| . Type of Work | | | | 7. Unit A | greement Name |
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| Name of Operator | | | SORE CVI | 9. Well N | |
| Burleson & Huff | | | • | 4 | |
| Address of Operator | <u> </u> | | | R . | and Pool, or Wildcat |
| Box 2479, Midland, | Texas 79702 | | | | e-Mattix |
| Location of Well UNIT LETT | ren | 0CATED 1980 | PEET PROM THE SOUT | th_time | |
| 660 | wort | 25 | 24.5 24 | | |
| .660 | THE WEST | THE OF SEC. 25 | ywa. 24-5 nge. 36 | D-E NMPM 12. Count | <i>m::::::::::::::::::::::::::::::::::::</i> |
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| HHHHHHH | | 111111111111111111111111111111111111111 | · · · · · · · · · · · · · · · · · · · | 9A. Formation | 20. Rotary or C.T. |
| | | | 3550 | Queen | Rotary |
| . Elevations (Show whether DF | ■ M | | 21B. Drilling Contractor | 22. Appr | ox. Date Work will start- 23-79 |
| • 32 8 1 GL | State | WILLE | Su-Marr Drillir | 19 4- | LU-13 |
| • | | PROPOSED CASING AND | CEMENT PROGRAM | | |
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOOT | SETTING DEPTH | SACKS OF CEMENT | EST. TOP |
| 12-1/4" | 8-5/8" | 23# | 1200 | 450 | circ. |
| 7-7/8 ^H | 4-1/2" | 9.5# | 3550 | 250 | base of calt |
| rill 12-1/4" hole | to top of anhy | drite. 8-5/8" Surface Refor | surface pipe wil | l be set in to | p of |
| annydrite a cement a Shaeffer 10". 300 | circulated to 00# WP. BOP wil | surtace. Befor | e drilling out wand used while day, perforate, | AVAINER NUT | ipe c. TER |
| annydrite & cement 3 Shaeffer 10", 300 | circulated to 00# WP. BOP wil | surtace. Befor | e drilling out wand used while day, perforate, BEFORE SO BULL CONSER | inder surface p brilling to TD. acidize & frace | ipe c. |
| annydrite & cement a Shaeffer 10", 300 Will set pipe to t | circulated to 00# WP. BOP wil | surface. Befor 1 be installed ormation. Will | e drilling out wand used while day, perforate, | inder surface printing to TD. acidize & frace AMMINIER NUT WATION DIVISION HIBIT NO. 6 | ipe c. |
| BOVE SPACE DESCRIBE PROZENEL STATE LOWER PROPERTY COME. SPACE DESCRIBE PROZENTE | CITCUIATED tO 00# WP, BOP wil est the Queen f | PROPOSAL IS TO DESPEN OR | e drilling out wand used while day, perforate, BEFORE SAC BEFORE SAC CASE NO | inder surface printing to TD. acidize & frace AMMINIER NUT WATION DIVISION HIBIT NO. 6 | ipe c. |
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| BOVE SPACE DESCRIBE PROZENTE COME. GIVE SLOWOUT PREVENTE COME CERTIFY THAT IN COME TO SERVE STATE OF THE STAT | oposed program: if above is true and comp | PROPOSAL IS TO DEEPEN OR Diete to the best of my kny Title Drift? | BEFORE SOLUTION OUT IN AND USED WHITE CONSTRUCTION OF THE PLUE BACK, SIVE DATA ON PWIEGE and belief. | AMAINTR NUT AVAILABLE NO. 6 | TER N LAND PROPOSED NEW PROP |
| BOVE SPACE DESCRIBE PROZONE. GIVE LLOWOUT PREVENTE CONTROL OF CONT | oposed program: if above is true and comp | PROPOSAL IS TO DEEPEN OR Diete to the best of my kny Title Drift? | BEFORE SAL BEFORE SAL | AMAINTR NUT AVAILABLE NO. 6 | E AND PROPOSED NEW PRO |
| BOVE SPACE DESCRIBE PROZONE. 619E SLOWOUT PREVENTE SENGLE FOR STATE OF STAT | oposed program: if above is true and comp | PROPOSAL IS TO DEEPEN OR Diete to the best of my kny Title Drift? | BEFORE SOLUTION OUT IN AND USED WHITE CONSTRUCTION OF THE PLUE BACK, SIVE DATA ON PWIEGE and belief. | AMAINTR NUT AVAILABLE NO. 6 | TER N LAND PROPOSED NEW PROP |
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| eby certify that the information | oposed program: if above is true and comp | PROPOSAL IS TO DEEPEN OR Diete to the best of my kny Title Drift? | BEFORE SOLUTION OUT IN AND USED WHITE CONSTRUCTION OF THE PLUE BACK, SIVE DATA ON PWIEGE and belief. | AMAINTR NUT AVAILABLE NO. 6 | TER N LAND PROPOSED NEW PROP |

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NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

C-116 Revised 1-1-65

| | | • | | | | | | | | | | | | Hevised I- | 1-05 | |
|--|---------|---------|---------|-------|-------|---------|------|------------------|--------------|----------------|---------------|----------------|--------------|----------------|-----------------|-------------------|
| eronar Burleson & Huff | | | Poo | | almat | | | | | Co | nty | Lea | | | | - |
| Box 2479, Midland, Texas 7 | 9702 | | <u></u> | U | almar | | TYP | E O F F - (X) | Sch | neduled [| | | letion [|] | Spe | cial X |
| | WELL | | LOC | ATION | | DATEO | F 5 | CHOKE | TBG. | DAILY | LENGTH | | | URING | TEST, | GAS - OIL |
| LEASE NAME | NO. | U | 5 | т | н | TEST | 1478 | CHOKE | PRESS. | ABLE ALLOW- | TEST HOURS | WATER BBLS. | GRAV. OIL | OIL , 89LS. | . GAS M.C.F. | RATIO CU.FT/88 |
| fson | | , M | 25 | 24 | 36 | 1-15-79 | P | | . | 0 | 24 | 3: | 34 | 4 | 31 | 7750 :1 |
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| A Company of the Comp | | 1 | f . | l | j . | | 1 | | I | I | | | .ļ | 1 | | |

No well will be assigned an allowable greater than the amount of oil produced on the official test,

During gas-eil ratio test, each well shall be produced at a rate not exceeding the top unit allowable for the pool in which well is located by more than 25 percent. Operator is encouraged to take advantage of this 25 percent tolerance in order that well can be assigned increased allowables when authorized by the Commission.

Cas volumes must be reported in MCF measured at a pressure base of 15,025 pain and a temperature of 60° F. Specific gravity base will be 6,60.

Report easing pressure in lieu of tubing pressure for any well producing through casing.

Mail original and one copy of this report to the district office of the New Mexico Oil Conservation Commission in accordance with Rule 391 and appropriate pool rules.

Case No. 6452 5x 2

I hereby certify that the above information is true and complete to the best of my knowledge and belief.

(5)

Owner

Jan. 17, 1979

NEW MEXICO OIL CONSERVATION COMMISSION

Hobbs, New Mexico 88240

DISTRICT OFFICE

January Thru-April, 1979 1118C

SUPPLEMENT TO THE OIL PRORATION SCHEDULE

DATE _____ Pebruary 1. 1979

PURPOSE ALLOWABLE ASSIGNMENT (OLD WELL) (RECLASSIFIED FROM GAS TO OIL)

Effective February 1, 1979, an allowable of 4 barrels of oil per day is hereby assigned to the Burleson & Huff, Harrison, 1-M, 25-24-36, Jalmat Yates Seven Rivers Pool.

February Total

112 Barrels

March Total

124 Barrels

April Total

120 Barrels

, Jul

JS/vho

Burleson & Huff

Permian

El Paso

OIL CONSERVATION COMMISSION

Case No. 6452 EK 3

DISTRIBUTION: WHITE - OPERATOR, YELLOW - TRANSPORTER, PINK - OCC SANTA FE, GOLD - OFFICE COPY, GREEN - EXTRA COPY.

| oe . | Address | | | === ; | 1 | 'ool . | | County | | |
|--|----------------|------------|---------|-------------|----------|-------------------|--------------------|-----------------------------|-----------------------|------------|
| BURLESON & HUFF | POX 9 | 35 - M | IDLANI |), TX | | JA | LMAT' | | LEA COUTITY NEW | MEXICO |
| LEASE | WELL NO. | UNIT. | LOC/ | TEN TWP. | RG E. | DATE PRESS. | TIME S.I. HRS./ | S.I. PRESSURE PSIG (DWT) | S.I. PRESSURE PSIA | PREV. TEST |
| Arco , | 2-Y | Н | 21 | 25 | 37 | 5-10-77 | 72 | 143 | 156.2 | New Well |
| Aztec | 1 | κ | 57 | 25 | 37 | 5-10-77 | 72 | 71 | 84.2 | 4-13-76 |
| Coll A | 1 | G | 29 | 25 | 37 | 5-10-77 | 72 | 12 | 25.2 | 4-13-76 |
| ook | | -0 | - 28 | 25 | 37 | 5-10-77 | 72 | 218 | 231.2 | 4-13-76 |
| Cook | 2 | P | 28 | 25 | 37 | 5-10-77 | 72 | Nu 1 val | v e | 4-13-76 |
| Dale Fed | 1 | A | 29 | 26 | 37 | 5-3-77 | 72 | 303 | 316.2 | New Well |
| O Dyer | 3 | Ħ | 31 | 25 | 37 | 5-10-77 | 72 | 50 | 63.2 | New Well |
| Exxon | ı | J | 51 | 25 | 37 | 9-27-77 | 72 | .20 | 33.2 | New Well |
| Gutman · | . | - I | 29 | 25 | 37 | 5-10-77 | 35 | 215 | 228.2 | 4=13=76 |
| Hadfield | 1 | P | 51 | 25 | 37 | 5-24-77 | 72 | 158 | 171.2 | 4-27-76 |
| Harrison | 1 | M. | 25 | 24 | 36 | 7-12-77 | 72 | 133 | 146.2 | 6-2-76 |
| arrison | 3 | K | 25 | 24 | 36 | 7-12-77 | 72 | 50 | 63.2 | 6-2-76 |
| Anehart | 3 | L | 21 | 25 | 37 | 5-10-77 | 72 | 243 | 256.2 | 4-13-76 |
| Leonard | ı | P · | 20 | 25 | 37 | 5-10-77 | 72 | 201 | 214.2 | New Well |
| Leonard | 2 | ı | 50 | 25 | 37 | 5-10-77 | 72 | 200 | 213.2 | 4-10-76 |
| Saunders | 2 | F | 28 | 25 | 37 | 5-10-77 | 72 | 550 | 563.2 | New Well |
| | | | | | | | 43 | lined no | & buck | |
| | | , | | <u> </u> | | | EF | 50# Line | press & | va |
| by certify that the above information is | true and compl | ete to the | best of | my knowl | edge nno | i belief. SEE RUL | /** | esompl as | 1 Queen | il were |
| Are | | Titl | | | | No. 6452 | | Date | CKT | |
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| FILE | - I I W | ELL COMPLI | | | | | | | Sta | te [_] | Fee X | |
| U.S.G.S. | | | _ ,,,,,,, | | | VII | | 71110 2291 | S. Stat | e Oil & Gas Lea | so No. | |
| LAND OFFICE | | ** ** | | | | | | | | | | |
| OPERATOR | | | | | | | | • | | | | |
| | | | | | | | | · | VIII | MIIII | 77777777 | |
| 10. TYPE OF WELL | | ·FD · · · · · · · · · · · | trees | <u></u> | | | | | /, Unit | Agreement Nam | • | |
| b. TYPE OF COMPL | WCLL ETION | (X) weit | . . . | DAY | OTHER | | | | R. For | n or Leone Nume | | |
| NEW [W | ORK | C PLUS | <u> </u> | Kia. | l | - | | | 1 | _ | | |
| 2. Name of Operator | VER LUI DECFEN | BACA BACA | tt RL | 3VA, | OTHER | | | ···· | 9. Well | rrison No. | | |
| Burleson & | Huff | | | | | | | | | 2 | | |
| 2, Address of Operator | | | | | | | | | 10. Fie | ld and Pool, or | Wildcat | |
| Box 2479, | Midland, Tex | as 79702 | | | | | | | Lang | lie-Mattix | | |
| 4. Location of Well | | | | | | _ | | | 1111 | | | |
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| THE WEST LINE OF | 25 | 245 | 365 | | | | IIIIII | | 12. Cou | | | |
| 15. Date Spudded | 16. Date T.D. Re | ached 17. Date | Compl. /Re | ady to I | Prod.) LE | Elev | ations (I)F | RKB. RT | GR. e.c. | 19. Elev. Cochi | noheod | |
| 2-1-78 | | Tr. Date | 3-15-7 | | 1.0. | | 3281.1 | | , | 3281.1 | rigins with | |
| 20. Total Depth | 21. Plug | Back T.D. | 22. 1 | Multipl | le Compl., H | | 23. Interv | als Rota | ry Tools | - Cable To | ools' | |
| 3620 | | 3619 | | lany. | | | Drille | d By | K | | • . | |
| 24. Producing Interval | | | | | | | , | ١ ١ | | 25, Was Dire | ctional Survey | |
| queen Sand | from 3502 to | 0 35/8 - [] | i noies | | | | | | | | no | |
| 26. Type Electric and | Other Land Burn | | | | | | | - | | | | |
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| Gamma Ray | Neutron Denis | sty and Dua | al Late | rlog | ort all string | | in well) | | | no | | |
| CASING SIZE | WEIGHT LB./F | | | | E SIZE | <u> </u> | | NTING REC | 080 | AMOU | IT PULLED | |
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| | | | | | | | | | | salt | | |
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| 29. | | IER RECORD | | | | | 30. | • | TUBING R | ECORD. | | |
| SIZE | тор | BOTTOM ::- | SACKS CE | MENT | SCREEN | | SIZE | | PTH SET | | KER SET | |
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| 33. | · [Daniel | on Method (Flow | inn 174 | | CTION | J | | | T w-11 C- | ctus (Prod. or Si | | |
| Date First Production 3-15-78 | i | on Method (* 10w | ıng, gaş tij | e, pumpu | ng — size an | a typ | e pumpj | | 1 . | atus (<i>Prod. or</i> 3) lucing | iat-LAJ | |
| 5-15-76 Date of Test | Hours Tested | Choke Size | Prod'n. F | or c | 011 - Bbl. | | Gas - MC | F Wate | I prod | Gas - Oil R | ctio | |
| 3-15-78 | 24 | 32/64 | Test Peri | | 53 | - 1 | 355 | | 10 | 6698 | | |
| Flow Tubing Press. | Cosing Pressure | Calculated 24- Hour Rate | • | | Gas N | CF | | ater - Bbl. | | Oil Gravity - Al | | |
| 20 | packer | | 53 | | 355 | | | 10 | | 35 | | |
| 34. Disposition of Gas (| | | Compan | | | | | | Witnesse | a By Burress | | |
| 35. List of Attochments | to El Paso N | aturar Gas | Compan | <u>'y</u> | | | <u> </u> | Ja | HES C. | Durress | | |
| logs and de | viation surv | | | 4 | | | · | | | | | |
| 36. I kereby certify that | the information show | un on both sides | of this form | n is true | and complet | e to i | the best of | my knowled | e und bel | ief | | |
| CICHED . | a MA | N | T1 | ے 1° | 0-Owner | | | • | DATE | 3-16-78 | | |
| SIGNED | y was y | // | | - <u> </u> | S OUTET | | | | DVIE | <u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u> | | |
| | B | 10 | | | | | • | | | | | |

Case No. 6452 2 x 5

This form is to be filled with the appropriat. Satisf Cilico of the Commission not later than 20 days after the completion of any newly-drilled or despends well. It shall be accompanied by a copy of all electrical and ratio-activity logs run—is well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Henri 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Bule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

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| SANTA FE | NE NE | M WEXICO OIL CON | SERVATION COMMISS | NOI | Form C-101 | |
| FILE | | | | | Revised 1-1- | e Type of Lease |
| U.S.G.S. | 1-1 | | | | STATE | |
| LAND OFFICE | + | | | | l | 6 Gas Lease No. |
| OPERATOR | | | | | | . 5 20 |
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| APPLICATIO | N FOR PERMIT TO | DRILL, DEEPEN | , OR PLUG BACK | | | |
| te. Type of Work | | | | | 7. Unit Agr | cement Nome |
| DRILL X | | DEEPEN - | Pli | IG BACK | | |
| b. Type of Well | | , | | | | Lecse Name |
| Sect D sect | 0.HER | * | SINGLE X | ZONE | Harris | |
| 2 Name of Operator | | • | | | 9. Well No. | |
| YBurleson & Huff 3. Address of Operator | | | | | 4 | |
| | Tayac 70702 | | | | Langlie | nd Pool, or Wildcat |
| Box 2479, Midland, | 1 | 1980 | | uth | rank 1.16 | -MICCIX |
| UNIT LETTE | :R L(| CATED 1700 | FEET FROM THE | LINE LINE | | |
| AND 660 FEET FROM | THE West L | NE OF SEC. 25 | TWP. 24-S RGE. | 36-E | | |
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| THIITH HALLING | | <i>iililiiliilili</i> | | | IIIIII | |
| | Millim | VIIIIIIII V | 19. Proposed Depth | 19A. Formation | 1 | 20. Rotory or C.T. |
| | | | 3550 | Queen | | Rotary |
| 11. Elevations (Show whether DF, | | 6 Status Plug. Bond | 21B. Drilling Contractor | | | . Date Work will start 3-79 |
| · 3281~ GL | State | wide | Su-Marr Drill | 1119 | 1-2 | J-12 |
| 23. | 1 | PROPOSED CASING AN | ID CEMENT PROGRAM | | | |
| | | | | | | |
| SIZE OF HOLE | SIZE OF CASING | | T SETTING DEBT | u leacke or | CEMENT | EST TOD |
| SIZE OF HOLE | SIZE OF CASING | WEIGHT PER FOO | · | | CEMENT | EST. TOP |
| SIZE OF HOLE 12-1/4" 7-7/8" | 8-5/8" | WEIGHT PER FOO | 1200 | 450 | CEMENT | circ. |
| 12-1/4" | | WEIGHT PER FOO | · | | CEMENT | |
| 12-1/4" | 8-5/8" | WEIGHT PER FOO | 1200 | 450 | CEMENT | circ. |
| 12-1/4" 7-7/8" | 8-5/8" 4-1/2" | WEIGHT PER FOO 23# 9.5# | 12CC 3550 | 450 250 | | circ. base of salt |
| 12-1/4" 7-7/8" Prill 12-1/4" hole | 8-5/8" 4-1/2" to top of anhy | WEIGHT PER FOO 23# 9.5# drite. 8-5/8" | 3550 | 450 250 | in ton | circ. base of salt |
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| Drill 12-1/4" hole anhydrite & cement a Shaeffer 10", 300 | 8-5/8" 4-1/2" to top of anhy circulated to | WEIGHT PER FOO 23# 9.5# drite. 8-5/8" surface. Befo | 3550 surface pipe wre drilling out | 450 250 ill be set under sur | in top | circ. base of salt of pe |
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NEW MEXICO OIL CONSERVATION COMMISSION GAS-OIL RATIO TESTS

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| No well will be assigned an During gas-oil ratio test, es lecated by more than 25 percent. O increased allewables when authorize | ch well shal | l be pro | oduced s | t a rate | not exc | eading the to | p unit | allowable i | | | | is tru | | omplete | | e information t of my know |
| Gas valumes must be reported will be 0.60, Report ensing pressure in lie | d in MCF me | bergraa | at a pre- | | | | a temp | erature of | 60° F. Spe | elfic gravity | base | Y | ė, | i B | | |
| Mail original and one copy- Rule 301 and appropriate pool rules. | of this report | to the | district | office e | f the He | w Mezico Oli | Con se | rvation Co | nmission ! | n accordanc | • with | 1 | ir / | C. 1 () | in C | |

Case No. 6452

Jan. 17, 1979

NEW MEXICO OIL CONSERVATION COMMISSION

Hobbs, New Mexico 88240

DISTRICT OFFICE

January Thru
April, 1979
NO. 1118C

SUPPLEMENT TO THE OIL PRORATION SCHEDULE

DATE February 1, 1979

PURPOSE ALLOWABLE ASSIGNMENT (OLD WELL) (RECLASSIFIED FROM GAS TO OIL)

Effective February 1, 1979, an allowable of 4 barrels of oil per day is hereby assigned to the Burleson & Huff, Harrison, 1-M, 25-24-36, Jalmat Yates Seven Rivers Pool.

February Total

112 Barrels

March Total

124 Barrels

April Total

120 Barrels

J int

Exhibit 3 Case 6452

JS/vho

Burleson & Huff

Permian

El Paso

OIL CONSERVATION COMMISSION

/ */ //*

SISTRICT SEPERVISOR

Case No. 6452

DISTRIBUTION: WHITE - OPERATOR, YELLOW - TRANSPORTER, PINK - OCC. SANTA FE, GOLD - OFFICE COPY, GREEN - EXTRA COPY.

Addioss County Poul **EURLESON & HUFF** TALMAT BOX 935 - MIDLAND, TX LEA COUNTY NEW MEXICO LUCATION DATE PRESS. TIME S.I. S.I. PRESSURE S.I. PRESSURE PREV. TEST LEASE WELL NO. UNIT. SEC. TWP. RG E. RUN HRS./ PSIG (DWT) PSIA STAC 5-10-77 156.2 143 New Well Arco . 2-Y H 21 25 72 37 84.2 Aztec 72 71 4-13-76 1 K 21 25 37 5-10-77 72 25.2 12 4-13-76 G 25 5-10-77 Coll A 1 29 37 218 231.2 28 5-10-77 72 4-13-76 'ook Ó 25 1 37 28 Cook 2 P 25 37 72 NO 3" Valve 4-13-76 5-10-77 26 5-3-77 72 303 316.2 New Well Dale Fed 1 29 A 37 72 63.2 50 New Well H 31 25 37 5-10-77 Dyer 3 25 .50 1 J 21 9-27-77 72 33.2 New Well Exxon 37 72 215 228.2 4-13-75 I 29 25 5-10-77 Gutman 1 37 5-24-77 72 158 Hadfield P 21 171.2 4-27-76 1 25 37 Harrison 24 1 M 25 36 7-12-77 72 133 146.2 6-2-76 arrison . 3 K 25 24 36 50 7-12-77 72 63.2 6-2-76 anehart 21 25 3 L 37 5-10-77 72 243 256.2 4-13-76 Leonard 1 P 20 25 37 5-10-77 72 214.2 201 New Well Leonard 5 I 50 25 37 5-10-77 72 200 213.2 4-10-76 F 28 563.2 Saunders 5 25 37 72 5-10-77 550 New Well EX4.61+ 4 6457 da se certify that the above information is true and complete to the beat of my knowledge and belief. SEE RULE 402 Case No. 6452 Tille Ilur: Date

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This form is to be filed with the operaprial despends will. It shall be accompanied by a copy of all electrical and radio-activity logs run—in well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of discillated wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Bule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

| | | | itheastern | New Mexico | | | | Not | rthwester | nı Nev | w Mexico | |
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KELLAHIN and KELLAHIN
ATTORNEYS AT LAW
BOO DON GASPARAVENUE
P. O. BOX 1769
SANTA FE, NEW MEXICO 87501

JASON W. KELLAHIN W. THOMAS KELLAHIN KAREN AUBREY

TELEPHONE 062-4265 AREA CODE 505

January 22, 1979

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

Re: Burleson & Huff Harrison Lease

Dear Joe:

Please set the enclosed application for hearing on February 14, 1978.

/om feller W. Thomas Kellahin

CC: Mr. Lewis Burleson

WTK:kfm

Enclosure

BEFORE THE NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

IN THE MATTER OF THE APPLICATION OF BURLESON AND HUFF FOR WELLHEAD PRICE CEILING CATEGORY DETERMINATION, AND A NONSTANDARD GAS PRORATION UNIT, JALMAT GAS POOL, LEA COUNTY, N.M.

CR. CONSERVATION COLUMN

Case 6452

APPLICATION

Comes now Burleson and Huff, and applies to the New Mexico Energy and Mineral Department, Oil Conservation Division for an order for wellhead price ceiling category determination pursuant to the Special Rules of the Division, and Part 271.305(b) Federal Energy Regulatory Commission's Regulations Implementing the Natural Gas Policy Act of 1978, and in support thereof would show the Division:

- 1. Applicant proposes to recomplete its Harrison #2 well location 1980 feet from the West line and 660 feet from the South line of Section 25, T24S, R36E, Lea County, New Mexico for production as a gas well from the Jalmat Gas Pool, the said well currently being completed in the Langlie Mattix.
- 2. In the Alternative, Applicant proposes to drill its Harrison #4 well at a location 1980 feet from the South line and 660 feet from the West line of Section 25, T24S, R36E, Lea County, New Mexico for production as a gas well from the Jalmat Gas Pool.
- 3. That either the Harrision #2 well or the Harrision #4 well will be a replacement well for the Harrison #1 well, located 660 feet from the South and West lines of said Section 25, which, effective January 15, 1979, was reclassified

from a Jalmat gas well to a Jalmat oil well.

- 4. That the SW/4 of Section 25 which is currently an approved non-standard gas proration unit for the Harrison #1 well shall be dedicated to either the Harrision #2 well or the Harrison #4 well.
- 5. Applicant further seeks a determination pursuant to the F.E.R.C. Rules, Part 271.305 that either the Harrison #2 well or the Harrison #4 well is necessary to effectively and efficiently drain a portion of the Jalmat gas Pool reservoir covered by the proposed non-standard proration unit which cannot be effectively and efficiently drained by an existing well within the proration unit and will offer evidence in support of that determination.
- 6. That granting of this application will result in the prevention of waste and the protection of correlative rights.

WHEREFORE Applicant respectfully requests that this matter be set for hearing before the Division's duly appointed examiner and that after notice and hearing the application be approved.

KELLAHIN & KELLAHIN

W. Thomas Kellahin

P. O. Box 1769

Santa Fe, New Mexico 87501

Attorneys for Burleson & Huff

BEFORE THE NEW MEXICO ENERGY AND MINERALS DEPARTMENT OIL CONSERVATION DIVISION

CIL CONSERVATION CO.

IN THE MATTER OF THE APPLICATION OF BURLESON AND HUFF FOR WELLHEAD PRICE CEILING CATEGORY DETERMINATION, AND A NONSTANDARD GAS PRORATION UNIT, JALMAT GAS POOL, LEA COUNTY, N.M.

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- 6. That granting of this application will result in the prevention of waste and the protection of correlative rights.

WHEREFORE Applicant respectfully requests that this matter be set for hearing before the Division's duly appointed examiner and that after notice and hearing the application be approved.

KELLAHIN & KELLAHIN

W. Thomas Kellahin

P. O. Box 1769

Santa Fe, New Mexico 87501

Attorneys for Burleson & Huff

BEFORE THE NEW MEXICO

OIL CONSERVATION DIVISION

IN THE MATTER OF THE APPLICATION OF BURLESON AND HUFF FOR WELLHEAD PRICE CEILING CATEGORY DETERMINATION, AND A NONSTANDARD GAS PRORATION UNIT, JALMAT GAS POOL, LEA COUNTY, N.M.

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- 5. Applicant further seeks a determination pursuant to the F.E.R.C. Rules, Part 271.305 that either the Harrison #2 well or the Harrison #4 well is necessary to effectively and efficiently drain a portion of the Jalmat gas Pool reservoir covered by the proposed non-standard proration unit which cannot be effectively and efficiently drained by an existing well within the proration unit and will offer evidence in support of that determination.
- 6. That granting of this application will result in the prevention of waste and the protection of correlative rights.

WHEREFORE Applicant respectfully requests that this matter be set for hearing before the Division's duly appointed examiner and that after notice and hearing the application be approved.

KELLAHIN & KELLAHIN

. Thomas Kellahin

P. O. Box 1769

Santa Fe, New Mexico 87501

Attorneys for Burleson & Huff

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. | 6452 | |
|-----------|--------|--|
| Order No. | R-5970 | |

APPLICATION OF BURLESON & HUFF FOR A NON-STANDARD GAS PRORATION WIT DAPPROVAL OF INFILL DRILLING, LEA COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

This cause came on for hearing at 9 a.m. on March 28 19 79 , at Santa Fe, New Mexico, before Examiner Richard L. Stamets NOW, on this _____ day of __April ____, 19 79 ___, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

BY THE DIVISION:

- (1) That due public notice having been given as required by law, the Division has jurisdiction of this cause and the subject matter thereof.
 - That the applicant, Burleson & Huff, seeks a finding that the recompletion of its Harrison Well No. 2 located in Unit N of Section 25, Township 24 South, Range 36 East, NMPM, Jalmat Gas Pool, Lea County, New Mexico, or, in the alternative, the

drilling of its Harrison We !! No. 4 in Unit L of said Section 25, is necessary to effectively and efficiently drain that portion of the proration unit which could not and was not drained by the previously completed wells on the unit.

- (3) That the standard spacing unit in the Jalmat Gas Pool is 640 acres.
- (4) That the applicant also seeks a waiver of existing well spacing requirements and the establishment of a 160-acre non-standard gas proration unit comprising the SW/4 of the aforesaid Section 25 to be dedicated to the aforesaid Well No. 2, or in the alternative, Well No. 4.
- (5) That a 160-acre non-standard Jalmat gas proration unit, comprising said lands, was previously approved by the Division and was in turn dedicated to applicant's Well No. 3 in Unit K of Section 25 or applicant's Well No. 1 in Unit M of Section 25, but that said non-standard unit expired when one of said wells was deepened to another horizon and the other was reclassified as a Jalmat oil well.
- (6) That the evidence in this case indicates that there are remaining *** Jalmat gas reserves underlying the SW/4 of Section 25, and that to recover said reserves, it will be necessary to successfully recomplete applicant's Well No. 2 as a Jalmat gas well or to drill and complete the alternative Well No. 4 as a Jalmat gas well.
- (7) That such recompletion or drilling and completion operations should result in the SW/4 of Section 25 being more effectively and efficiently drained than by the previously existing wells on the proration unit and should be approved.

(8) That the re-establishment of the proposed 160-acre non-standard gas proration unit and approval of either the No. 2 well or the No. 4 as the unit well is in the interest of conservation, will prevent waste, will not impair correlative rights, and should be approved.

IT IS THEREFORE ORDERED:

- Jalmat Gas Pool, comprising the SW/4 of Section 25, Township 24
 South, Range 36 East, NMPM, Salmat Gas Pool, Lea County, New
 Mexico, is hereby approved, said unit to be dedicated to the
 Burleson & Huff Harrison Well No. 2 located in Unit N of said
 Section 25, or in the alternative, to applicants Harrison
 Well No. 4 to be located in Unit L of said Section 25, to hereby
 approved as an exception to the well spacing requirements for the
 Jalmat Gas Pool.
- (2) That said non-standard proration unit shall receive an acreage factor of 1.00 for allowable purposes.
- (3) That jurisdiction of this cause is retained for the entry of such further orders as the Division may deem necessary.

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