

CASE 6790: MERRION & BAYLESS FOR GAS
WELL COMMINGLING, SAN JUAN COUNTY, NEW
MEXICO

CASE NO.

6790

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,
ETC.



BRUCE KING
GOVERNOR
LARRY KEHOE
SECRETARY

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

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

March 12, 1980

Mr. Robert L. Bayless
Merrion & Bayless
P. O. Box 1541
Farmington, New Mexico 87401

Re: CASE NO. 6790
ORDER NO. R-6282

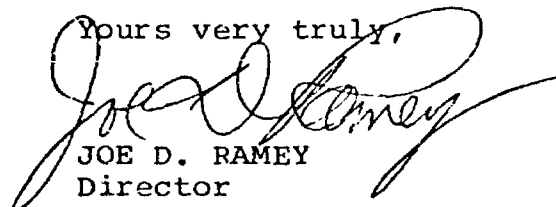
Applicant:

Merrion & Bayless

Dear Sir:

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

Yours very truly,



JOE D. RAMEY
Director

JDR/fd

Copy of order also sent to:

Hobbs OCD x
Artesia OCD x
Aztec OCD x

Other _____

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

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

CASE NO. 6790
Order No. R-6282

APPLICATION OF MERRION & BAYLESS
FOR GAS WELL COMMINGLING, SAN JUAN
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on February 13, 1980, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 11th day of March, 1980, the Division Director, having considered the testimony, the record, and the recommendations of the Examiner, and being fully advised in the premises,

FINDS:

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

(2) That the applicant, Merrion & Bayless, seeks permission to temporarily commingle certain Pictured Cliffs gas wells on its Southland Lease in Sections 3, 9, 10, and 11, Township 26 North, Range 13 West, NMPH, San Juan County, New Mexico, in a common gathering system and meter the entire lease output through the purchaser's sales meter located in Unit M of Section 1 of said township.

(3) That said Southland Lease is within the boundary of the Navajo Indian Irrigation Project, and the pipeline company in the area has been unable to obtain a right-of-way to enter and connect the applicant's wells.

(4) That it is expected that the pipeline company will obtain a right-of-way and will connect the wells on applicant's Southland Lease within one year.

-2-

Case No. 6790
Order No. R-6282

(5) That in the meantime, applicant proposes to install a temporary gas gathering system and transport the gas to the nearest available point on the pipeline where the gas will change custody through the purchaser's meter.

(6) That the ownership of all wells on the Southland Lease is common throughout and to commingle the production and transport it to the pipeline on a temporary basis as described above will not cause waste nor violate correlative rights and should be approved, provided that periodic tests should be taken to determine the production from each well.

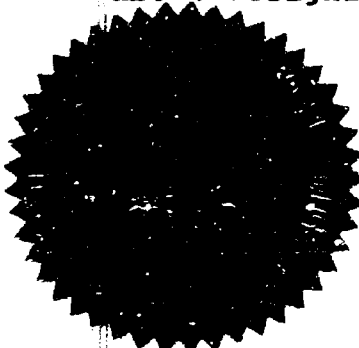
IT IS THEREFORE ORDERED:

(1) That the applicant, Merrion & Bayless, is hereby authorized to commingle the production from the gas wells on its Southland Lease in Sections 3, 9, 10, and 11, Township 26 North, Range 13 West, NMPM, San Juan County, New Mexico, in a common gathering system for transportation off the lease to the purchaser's sales meter in Unit M of Section 1 of the same township.

(2) That the applicant, upon construction of the facility, and at six months intervals thereafter, shall determine the productivity of each well into the pipeline by producing such well while the remaining wells on the lease are shut in, and shall allocate the total metered production to each well connected to the common gathering system on the basis of such tests.

(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 herein-
above designated.



SEAL
fd/

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION


JOE D. RAMEY
Director

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

EXAMINER HEARING

IN THE MATTER OF:)

Application of Merrion & Bayless for) CASE
gas well commingling, San Juan County,) 6790
New Mexico.)

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation Division: Ernest L. Padilla, Esq.
Legal Counsel to the Division
State Land Office Bldg.
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R. L. BAYLESS TESTIMONY 3

E X H I B I T S

Applicant Exhibit A, Reports 3

Applicant Exhibit B, Map 3

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MR. NUTTER: We'll call next Case 6790.

MR. PADILLA: Application of Merrion & Bayless for gas well commingling, San Juan County, New Mexico.

MR. BAYLESS: I'm Robert L. Bayless, a joint venture with Merrion & Bayless. I've appeared before the Commission before.

(Mr. Bayless sworn.)

MR. BAYLESS: I would like to submit Exhibit A and B.

Exhibit A is a collection of well completion reports on some wells; B being a map showing the acreage involved and showing a gathering system.

Our problem and what we're requesting is-- well, to start off, our problem is this is land on a Federal lease that is within the confines of the Navajo Irrigation Project. The surface has been conveyed to the Irrigation Project; however, the minerals reside with the Federal government.

We have a lease on the minerals. We have drilled the wells as indicated on the map. The normal gas purchaser in the area, being El Paso Natural Gas, has been unable for the past fifteen months to acquire any right-of-

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1 way either pertaining to this tract or to many other tracts
2 in the immediate area from the Navajo Tribe.

3 In order that we be allowed to produce
4 these wells in the interim until such time as the gas pur-
5 chaser is able to obtain right-of-way, we have laid a tempo-
6 rary gathering system, as shown by the red line on top of
7 the ground, and we are tied into an El Paso permanent pipe-
8 line at a point adjacent to our Chaco No. 7, which is shown
9 in the southwest southwest of Section 1, 26, 13.

10 We are requesting permission to gather
11 production from all of these wells, as shown, which are all
12 Pictured Cliffs formation gas wells and commingle them and
13 run them through a common meter to be located at the terminal
14 of our temporary gathering system, located adjacent to the
15 Chaco 7.

16 We propose to allocate production between
17 these various wells by their initial potential flow rate, as
18 shown on Exhibit A for the various wells. We propose if a
19 permanent line with individual meters has not been installed
20 by El Paso at the end of a year, to test the wells indivi-
21 dually to establish a new allocation formula.

22 All the wells are on the same USA lease.
23 They have the identical royalty, the identical overriding
24 royalty, and the identical working interest ownership.

25 I believe I've covered it. Do you have

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1 some questions?

2 MR. NUTTER: Mr. Bayless, Exhibit A is for
3 four wells, being No. 1, 3, 4, and 6, yet I see No. 5 and
4 No. 7, apparently.

5 MR. BAYLESS: 7 and 5 have been drilled
6 but not completed. No. 2-Y has not been drilled. It will
7 be, it will be drilled. We have approved --

8 MR. NUTTER: So you're asking for approval
9 for --

10 MR. BAYLESS: We're asking approval for
11 all the Pictured Cliffs formation gas wells on that USA
12 lease.

13 MR. NUTTER: You're not asking for speci-
14 fic wells. You've asking for wells that would be drilled
15 in Sections 1, 2, 3, 9, 10, and 11.

16 MR. BAYLESS: In that portion of those
17 sections that is covered by this USA lease.

18 MR. NUTTER: Can you describe the lease
19 to us?

20 MR. BAYLESS: Yes, sir. It is marked in
21 blue on your -- on Exhibit B, and it covers specifically
22 the south half of 3, the northeast of 9, the north half of
23 10, and the north half of 11.

24 And it's all a Federal lease NM 12235.

25 MR. NUTTER: Well, the original application

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1 was for additional lands, then, which aren't under consider-
2 ation here, because we advertised wells in Sections 1, 2, 3,
3 9, 10, and 11.

4 MR. BAYLESS: That is in error.

5 MR. NUTTER: So there's none in Sections
6 1 and 2.

7 MR. BAYLESS: No, sir. No, sir, that --

8 MR. NUTTER: Just the cross-hatched in
9 blue on the --

10 MR. BAYLESS: Cross-hatched in blue and
11 it's all one lease. There is no commingling from --

12 MR. NUTTER: And Chaco No. 7 up here is
13 not involved at all.

14 MR. BAYLESS: The Chaco 7 only shows where
15 the meter point for El Paso's system is.

16 MR. NUTTER: Okay. Now, this big pipeline
17 that's running northwest/southeast across Exhibit B --

18 MR. BAYLESS: That's Tex-New Mex oil line
19 from to Hobbs.

20 MR. NUTTER: Where is the El Paso pipeline?
21 Is it shown?

22 MR. BAYLESS: The El Paso line is not
23 shown on this map.

24 MR. NUTTER: But it runs right by the
25 Chaco No. 7?

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MR. BAYLESS: It comes from the northwest of Section 1 in a southerly direction to the Chaco 7.

MR. NUTTER: I see.

MR. BAYLESS: That was the closest point to our lease.

MR. NUTTER: And will that be a Merrion & Bayless meter or will that be an El Paso meter located there?

MR. BAYLESS: It will be an El Paso meter.

MR. NUTTER: Now, your application and the notice here was for temporary approval.

MR. BAYLESS: Temporary as related to the Navajo Tribe's issuance of right-of-way to El Paso Natural Gas for a permanent installation.

MR. NUTTER: Well, does El Paso have any incentive to seek a right-of-way if you're going to have a gathering system and deliver the gas to them?

MR. BAYLESS: El Paso has other wells to the south of us that they're not able to connect. El Paso has many other wells in the general area within three or four miles that they are not able to connect. They are pursuing -- I'm not in a position to say to what degree they are pursuing various requests for right-of-way. I would believe that they would pursue all of them equally and I know they have received none.

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1 MR. NUTTER: I'm just wondering because
2 the application is for temporary approval until they have
3 obtained a right-of-way, and if there's no incentive for
4 them, if this is more an application for permanent approval
5 of this than it is temporary approval.

6 MR. BAYLESS: We do not mean it to be a
7 permanent installation. I talked with El Paso once -- well,
8 two to three times a month to see what the status of their
9 applications in Window Rock is, and they -- they give me the
10 impression that they are actively pursuing it. They have had
11 the same problem with the Ute Tribe and I believe they have
12 reconciled and I believe they are now obtaining right-of-way
13 from the Utes. They have not been able to come to an under-
14 standing with the Navajos.

15 MR. NUTTER: Well now, the Navajos ob-
16 tained this surface as part of the Navajo Indian Irrigation
17 Project, right?

18 MR. BAYLESS; Through a land trade, yes,
19 or a land acquisition.

20 MR. NUTTER: Now I noticed in your Exhibit
21 B that there is considerable relief here. It doesn't look
22 exactly like it would be farm land.

23 MR. BAYLESS: Part of it is. Part of it
24 is so, but if you'll look in Section 11, I believe that's
25 within a field. I know that part of Section 3, the southeast

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MR. NUTTER: Do you mean irrigated fields?

MR. BAYLESS: Yes, sir.

MR. NUTTER: Are there any further questions of Mr. Bayless? He may be excused.

Do you have anything further, Mr. Bayless?

MR. BAYLESS: I don't -- I don't have any other --

MR. NUTTER: Does anyone have anything they wish to offer in Case Number 6790?

You're excused as a witness. We'll take the case under advisement.

(Hearing concluded.)

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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.

Sally W. Boyd C.S.R.

SALLY W. BOYD, C.S.R.
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I do hereby certify that the foregoing is a correct record of the proceedings in the final hearing of Case No. 6799 heard by me on 2/13 1980.

[Signature], Examiner
Oil Conservation Division

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

EXAMINER HEARING

IN THE MATTER OF:)

Application of Merrion & Bayless for) CASE
gas well commingling, San Juan County,) 6790
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BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

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R. L. BAYLESS TESTIMONY 3

E X H I B I T S

Applicant Exhibit A, Reports 3

Applicant Exhibit B, Map 3

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MR. NUTTER: Well now, the Navajos obtained this surface as part of the Navajo Indian Irrigation Project, right?

MR. BAYLESS: Through a land trade, yes, or a land acquisition.

MR. NUTTER: Now I noticed in your Exhibit B that there is considerable relief here. It doesn't look exactly like it would be farm land.

MR. BAYLESS: Part of it is. Part of it is so, but if you'll look in Section 11, I believe that's within a field. I know that part of Section 3, the southeast

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(Hearing concluded.)

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REPORTER'S CERTIFICATE

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

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

I do hereby certify that the foregoing is a complete and true record of the proceedings in the examination hearing of Case No. 6799 heard by me on 2/13 1980.
 , Examiner
Oil Conservation Division

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

EXAMINER HEARING

IN THE MATTER OF:

Application of Merrion and Bayless
for gas well commingling, San Juan
County, New Mexico.

CASE
6790

and

Application of Merrion and Bayless
for a non-standard proration unit,
unorthodox gas well location, San
Juan County, New Mexico.

CASE
6784

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Oil Conservation
Division:

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

SALLY W. BOYD, C.S.R.

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MR. NUTTER: We'll call next Cases --
Case Number 6790.

MR. PADILLA: Application of Merrion
and Bayless for gas well commingling, San Juan County, New
Mexico.

MR. NUTTER: And we'll also call Case
Number 6784.

MR. PADILLA: Application of Merrion
and Bayless for a non-standard proration unit, unorthodox
gas well location, San Juan County, New Mexico.

Mr. Examiner, the applicant in both of
these cases have requested the cases be continued to
January 30, 1980.

MR. NUTTER: Case Number 6790 and 6784
will be continued to the Examiner Hearing scheduled to be
held at this same place at 9:00 o'clock a. m. January 30,
1980.

The hearing is adjourned.

(Hearing concluded.)

SALLY W. BOYD, C.S.R.
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Phone (505) 35-7409

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REPORTER'S CERTIFICATE

I, SALLY W. BOYD, A Certified Shorthand 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.

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

Sally W. Boyd C.S.R.
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. 6790-6784
heard by me on 1/16 1980.
[Signature] Examiner
Oil Conservation Division

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

EXAMINER HEARING

IN THE MATTER OF:

Application of Merrion & Bayless for) CASE
gas well commingling, San Juan County,) 6790
New Mexico.)

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

For the Oil Conservation
Division:

Ernest L. Padilla, 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 6790.

MR. PADILLA: Application of Merrion and Bayless for gas well commingling, San Juan County, New Mexico.

MR. STAMETS: Applicant in the subject case has requested it be continued to the February 13th Examiner Hearing.

It will so be.

(Hearing concluded.)

SALLY W. BOYD, C.S.R.
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Phone (505) 455-7409

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REPORTER'S CERTIFICATE

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

Sally W. Boyd C.S.R.

I do hereby certify that the foregoing is
a complete record of the proceedings in
the Examiner hearing of Case No. 6790
heard by me on 1-30, 1980.

Richard R. Hunt, Examiner
Oil Conservation Division

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

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

EXAMINER HEARING

IN THE MATTER OF:

Application of Merrion & Bayless for) CASE
gas well commingling, San Juan County,) 6790
New Mexico.)

BEFORE: Richard L. Stamets

TRANSCRIPT OF HEARING

For the Oil Conservation
Division:

Ernest L. Padilla, 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 6790.

MR. PADILLA: Application of Merrion
and Payless for gas well commingling, San Juan County,
New Mexico.

MR. STAMETS: Applicant in the subject
case has requested it be continued to the February 13th
Examiner Hearing.

It will so be.

(Hearing concluded.)

SALLY W. BOYD, C.S.R.

Rt. 1 Box 193-B
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Phone (505) 455-7409

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REPORTER'S CERTIFICATE

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

SALLY W. BOYD, C.S.R.
Rt. 1 Box 193-B
Santa Fe, New Mexico 87501
Phone (505) 455-7499

I do hereby certify that the _____ is
a correct and true transcript of the hearing held in
the _____ hearing of _____,
heard by me on _____, 19____.

_____, Examiner
Oil Conservation Division

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

Form approved
Budget Bureau No. 42-2855.6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL GAS WELL DRY Other

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESERVA. Other

3. NAME OF OPERATOR
J. Gregory Merrion & Robert L. Bayless

4. ADDRESS OF OPERATOR
P.O. Box 1541, Farmington, NM 87401

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 1840 PSL & 1840 FWL
At top prod. interval reported below same
At total depth same

6. LEASE IDENTIFICATION AND SERIAL NO.
NM 12235

7. UNIT AGREEMENT NAME
Southland

8. FARM OR LEASE NAME
WAW Fruitland Pic Cliffs

11. SEC. T. R. M. OR BLOCK AND SURVEY
Sec. 3, T26N, R13W

12. COUNTY OR PARISH
San Juan

13. STATE
N.M.

14. PERMIT NO. 1033 DATE ISSUED

15. DATE SPUDDED 5/24/79 16. DATE T.D. REACHED 5/30/79 17. DATE COMPL. (Ready to prod.) 6/28/79 18. ELEVATIONS (DP, RES. RT. OR ETC.) 6180' GR 19. ELEV. CASING HEAD 6181' GR

20. TOTAL DEPTH, MD & TVD 1400' 21. PLUG BACK T.D., MD & TVD 1351'

22. IF MULTIPLE COMPL., HOW MANY? 23. INTERVALS DRILLED BY

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
1254-58 = Fruitland
1325-29 = Pictured Cliffs

25. WAS DIRECTIONAL SURVEY MADE? NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
IES Induction, Compensated Density, Cement Bond

27. WAS WELL COORED? NO

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24 lb./ft.	42'	11"	40 sacks	
2-7/8"	6.4 lb./ft.	1389'	4-3/4"	150 sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	SACKER SET (MD)
1-1/4"	1340'	

31. PERFORATION RECORD (Interval, size and number)

1325-29 = .42" 8 holes
1254-58 = .42" 16 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1325-29	Frac: 2500 lbs. 20/40-sand 3800 gal. water 2% KCL
1254-58	Acid: 550 gal. 15% HCL Frac: 15,000 lb. 20/40, 83 bbls. water, 234 MCP N ₂

33. PRODUCTION

DATE FIRST PRODUCTION 6-27-79 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or Shut-In) Shut In

DATE OF TEST 6-27-79 HOURS TESTED 3 CHOKE SIZE 1/2" PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

180 MCF/day trc.

FLOW. TUBING PRESS. 23 PSIG CASING PRESSURE 37 PSIG CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY API (CORR.)

180 MCF/day trc.

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
vented

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED *J. Gregory Merrion* TITLE OPERATOR U.S. GEOLOGICAL SURVEY DATE June 29, 1979

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

OPERATOR

EXHIBIT A
Case 6790

101121

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 27: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:				38. GEOLOGIC MARKERS	
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF, COSED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				NAME	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	MEAS. DEPTH	TRUE VERT. DEPTH
Fruitland	1254	1258	Natural Gas	1053'	
Pic. Cliffs	1325	1329	Natural Gas	1324'	
			Induction, Compensated Density, Cement Zone		
			24-28 = Electric Log		
			24-28 = Hydraulic Fracture		
			24-28 = Induction		

39. WELL COMPLETION OR RECOMPLETION DATA	
WELL	DATE
WELL COMPLETION OR RECOMPLETION DATA	DATE

UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY
 WELL COMPLETION OR RECOMPLETION REPORT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved
Budget Bureau No. 42-10335.6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other		2. NAME OF OPERATOR J. Gregory Merrion & Robert L. Bayless		5. LEASE DESIGNATION AND SERIAL NO. NM 12235	
3. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. DESIG. <input type="checkbox"/> Other		3. ADDRESS OF OPERATOR P.O. Box 1541, Farmington, NM 87401		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 790 FNL and 1450 FWL At top prod. interval reported below same At total depth same		4. COUNTY OR PARISH San Juan		7. UNIT AGREEMENT NAME	
14. PERMIT NO.		DATE ISSUED		8. FARM OR LEASE NAME Southland	
15. DATE SPUNDED 07-13-79		16. DATE T.D. REACHED 07-19-79		9. WELL NO.	
17. DATE COMPL. (Ready to prod.) 08-13-79		18. ELEVATIONS (DF, RES, RT, GR, ETC.) 6208' GL		10. FIELD AND POOL, OR WILDCAT WAW Fruitland Pic. Clf	
20. TOTAL DEPTH, MD & TVD 1420'		21. PLUG BACK T.D., MD & TVD 1386' GR		11. SEC. T. R. N. OR BLOCK AND SURVEY OR AREA Sec. 10, T26N, R13W	
22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY		12. COUNTY OR PARISH San Juan	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Pictured Cliffs - 1325' top		25. WAS DIRECTIONAL SURVEY MADE no		13. STATE N.M.	
26. TYPE ELECTRIC AND OTHER LOGS RUN IES Induction, Compensated Density and Compensated Neutron		27. WAS WELL CORED no		14. COUNTY OR PARISH San Juan	
28. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	BOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7-5/8"	26.4#	42'	9-3/4"	15' sax	
2-7/8"	6.5#	1410'	4-3/4"	240 sax	
29. LINER RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	PACKER SET (MD)
				1"	1340'
30. TUBING RECORD					
SIZE	DEPTH SET (MD)	PACKER SET (MD)			
1"	1340'	none			
31. PERFORATION RECORD (Interval, size and number)					
1337-43' w/2 PF - .420"		ACID SHOT, FRACTURE, CEMENT SQUEEZE, ETC.		AMOUNT AND KIND OF MATERIAL USED	
1337-43'		2-1/8" glass jets; foam fracked		PC w/12,000# 20/40 sand; 76 bbls.	
		water; 100,100 SCF N ₂			
33.* PRODUCTION					
DATE FIRST PRODUCTION 8-13-79		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing		WELL STATUS (Producing or shut-in) shut in	
DATE OF TEST 8-13-79	HOURS TESTED 3	CHOKE SIZE .750"	PROD'N. FOR TEST PERIOD OIL—BBL. 0 GAS—MCF. 250/day	WATER—BBL. 0	GAS-OIL RATIO
FLOW. TUBING PRESS. 10 PSIG	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL. 0 GAS—MCF. 250/day	WATER—BBL. 0	OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented				TEST WITNESSED BY Don Walters	
35. LIST OF ATTACHMENTS					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records:					
SIGNED <i>Steven L. Allen</i>		TITLE Engineer		DATE August 20, 1979	

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

OPERATOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved
Budget Bureau No. 42 7355.5

5. LEASE DESIGNATION AND SERIAL NO.

NM 12235

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL GAS WELL HOT Other

b. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK REFR. DESVR. Other

2. NAME OF OPERATOR

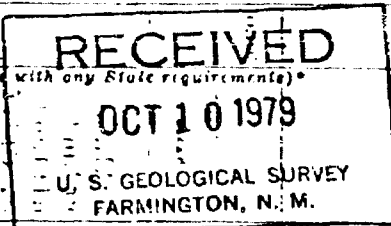
J. Gregory Herrion & Robert L. Bayless

3. ADDRESS OF OPERATOR

P.O. Box 507, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface 790 FNL & 790 FEL
At top prod. interval reported below SAME
At total depth same



7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Southland

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

WAW Fruitland/Pic. Cliffs

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA

Sec. 9, T26N, R13W

12. COUNTY OR PARISH

San Juan

13. STATE

N.M.

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATION (DP, RFB, RT, GR, ETC.)*

09-01-79 09-05-79 09-24-79 6253 ft. GR

20. TOTAL DEPTH, MD & TVD 21. PLUG, BACK T.D., MD & TVD 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY

1465 ft. 1420

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

Pictured Cliffs: 1360-70 ft.
Fruitland: 1320-24 ft.

26. TYPE ELECTRIC AND OTHER LOGS RUN

IES Induction, Compensated Neutron & Density

27. WAS WELL CORED

no

29. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23 lb./ft.	97 ft.	9-3/4"	35 sacks 3% CACL ₂	
2-7/8"	6.5 lb./ft.	1449 ft.	5"	100 sacks Class "H" 2%	0-79
				50 sacks Class "H"	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1-1/4"	1380'	

31. PERFORATION RECORD (Interval, size and number)

1360-70': .430" - 20 holes

1320-24': .430" - 8 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1360-70'	Frac 15,000# 20/40 sand, 120 bbl. H ₂ O 1% KCL, 115,000 SCF N ₂ .
1320-24'	Acid 500 gal, 15% HCL; Frac 2500# 20/40 sand, 91.5 bbl. slick water

33. PRODUCTION

DATE FIRST PRODUCTION 09-24-79 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST 09-24-79 HOURS TESTED 3 CHOKER SIZE 3/4" PROD'N. FOR TEST PERIOD → OIL—BBL. GAS—MCF. 205 MCF/D WATER—BBL. GAS-OIL RATIO* 2 bbl/D

FLOW. TUBING PRESS. 16 PSIG CASING PRESSURE CALCULATED 24-HOUR RATE → OIL—BBL. GAS—MCF. 205 MCF/D WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented TEST WITNESSED BY Steven Dunn

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records:

SIGNED *Steven Dunn* TITLE Engineer DATE October 8, 1979

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

OPERATOR

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVAL; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Fruitland	1320	1324	Natural Gas, Salt Water
Pic. Cliffs	1360	1370	Natural Gas, Salt Water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	---	---
Kirtland	230'	---
Fruitland	1030'	---
Pic. Cliffs	1349'	---

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 42 2355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DEEP <input type="checkbox"/> Other		5. LEASE DESIGNATION AND SERIAL NO. NM 12235	
1b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. REVR. <input type="checkbox"/> Other		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR J. Gregory Merrion & Robert L. Bayless		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR P.O. Box 1541, Farmington, NM 87401		8. FARM OR LEASE NAME Southland	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1850 FNL & 790 FEL At top prod. interval reported below same At total depth same		9. WELL NO. 6	
14. PERMIT NO.		10. FIELD AND POOL OR WILDCAT WAW Fruitland/Pic. Cliffs	
DATE ISSUED		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 10, T26N, R13W	
15. DATE SPUDDED 10-31-79		12. COUNTY OR PARISH San Juan	
16. DATE T.D. REACHED 11-02-79		13. STATE N.M.	
17. DATE COMPL. (Ready to prod.) 01-21-80		18. ELEVATIONS (DP, RES. BT, GR, ETC.)* 6128' GL	
19. ELEV. CASING HEAD		20. TOTAL DEPTH, MD & TVD 1350'	
21. PLUG, BACK T.D., MD & TVD 1313'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1281-94' - Pictured Cliffs	
25. WAS DIRECTIONAL SURVEY MADE		26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Correlation Log, IES Induction, Compensated Neutron-Density	
27. WAS WELL CORED		28. CASING RECORD (Report all strings set in well)	
29. LINER RECORD		30. TUBING RECORD	
31. PERFORATION RECORD (Interval, size and number) 1281-94' — .430", 13 holes, 1/PF w/2-1/2" glass jets.		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 1281-94' AMOUNT AND KIND OF MATERIAL USED 112 bbls. 18 KCL water, 112,000 SCF N ₂ , 15,000 lbs. 10/20 mesh sand.	
33. PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented	
35. LIST OF ATTACHMENTS		36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.	
SIGNED <i>[Signature]</i>		TITLE Engineer	
		DATE 01-29-80	

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 23. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

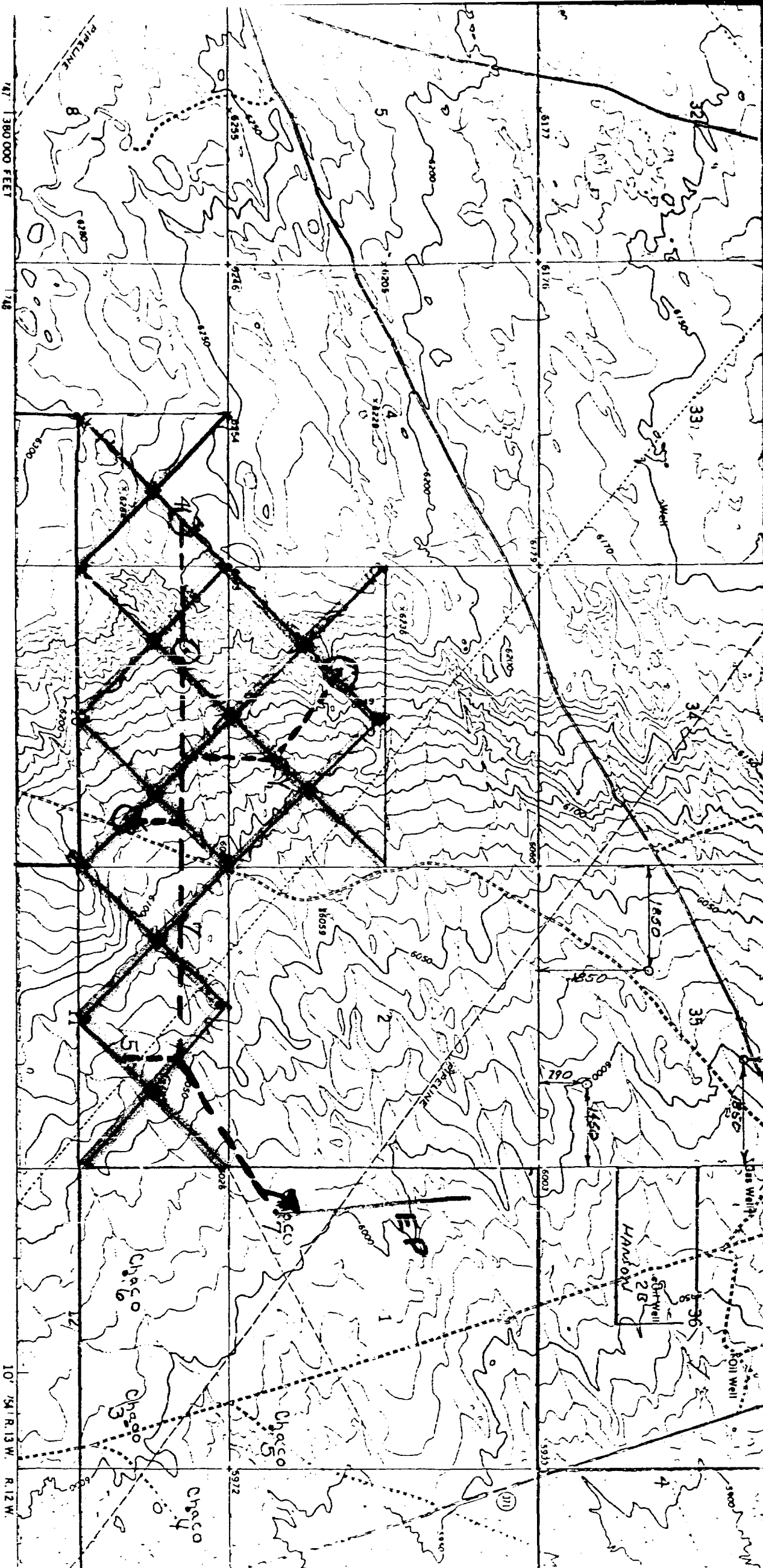
27. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Pic. Cliffs	1281'	1294'	Natural gas, salt water

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Kirtland	165'	
Fruitland	952'	
Pic. Cliffs	1276'	

RECEIVED BY THE
 DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 WASHINGTON, D.C.



1. edited, and published by the Geological Survey
 by USGS, USC&GS, and U. S. Bureau of Reclamation
 by photogrammetric methods from aerial
 photos taken 1964 and by plane-table surveys of the
 of Reclamation 1965. Field checked by USGS 1965
 projection. 1927 North American datum
 foot grid based on New Mexico coordinate system,
 for Universal Transverse Mercator grid ticks,
 shown in blue

MERRION & BAYLESS
 Proposed Gathering System for
 Southland #1, #3, & #4 Wells

EXHIBIT "A"
 Case 6790

LEGEND:
 USA Oil & Gas Lease #NM12235
 Proposed Pipeline

EXHIBIT B
 Case 6790
 NEW MEXICO

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved
Budget Bureau No. 42-7885

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL GAS WELL DRY Other

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. LEAVE Other

3. NAME OF OPERATOR
J. Gregory Merrion & Robert L. Bayless

4. ADDRESS OF OPERATOR
P.O. Box 1541, Farmington, NM 87401

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)
At surface 1840 PSL & 1840 FWL
At top prod. interval reported below same
At total depth same

6. LEASE DESIGNATION AND SERIAL NO.
NM 12235

7. UNIT AGREEMENT NAME
Southland

8. FARM OR LEASE NAME
WAW Fruitland Plc. Cliffs

9. WELL NO.
1033

10. FIELD AND POOL OR WILDCAT
Pic. Cliffs

11. SEC., T., R., M. OR BLOCK AND SURVEY
Sec. 3, T26N, R13W

12. COUNTY OR PARISH
San Juan

13. STATE
N.M.

15. DATE SPUDDED 5/24/79

16. DATE T.D. REACHED 5/30/79

17. DATE COMPL. (Ready to prod.) 6/28/79

18. ELEVATIONS (DP, RB, BT, GR, ETC.)
6180' GR

19. ELEV. CASING HEAD
6180' GR

20. TOTAL DEPTH, MD & TVD 1400'

21. PLUG BACK T.D., MD & TVD 1351'

22. IF MULTIPLE COMPL., HOW MANY?

23. INTERVALS DRILLED BY
ROTARY TOOLS
CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
1254-58 = Fruitland
1325-29 = Pictured Cliffs

25. WAS DIRECTIONAL SURVEY MADE
NO

26. TYPE ELECTRIC AND OTHER LOGS RUN
IES Induction, Compensated Density, Cement Bond

27. WAS WELL LOGGED

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24 lb./ft.	42'	11"	40 sacks	
2-7/8"	6.4 lb./ft.	1369'	4-3/4"	150 sacks	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1-1/4"	1340'	

31. PERFORATION RECORD (Interval, size and number)

1325-29 = .42" 8 holes
1254-58 = .42" 16 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1325-29	Frac: 2500 lbs. 20/40-sand 3800 gal. water 2% KCL
1254-58	Acid: 550 gal. 15% HCL Frac: 15,000 lb. 20/40, 83 bbls. water, 234 MCF N ₂

33. PRODUCTION

DATE FIRST PRODUCTION 6-27-79

PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing

WELL STATUS (Producing or shut-in) Shut in

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-27-79	3	1/2"			180 MCF/day	trc.	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
23 PSIG	37 PSIG			180 MCF/day	trc.	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
vented

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED *J. Gregory Merrion* TITLE OPERATOR

U.S. GEOLOGICAL SURVEY
FARMINGTON, N.M.

DATE June 29, 1979

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

OPERATOR

Exhibit A
Case 6390

142101012

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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. See instructions on Items 22 and 24, and 83, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see Item 35.

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 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in Item 22, and in Item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in Item 83. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for Items 22 and 24, above.)

37. SUMMARY OF POROUS ZONES:				38. GEOLOGIC MARKERS			
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF, CORED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				NAME			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	CORRECTION
Fruitland	1254	1258	Natural Gas	Fruitland	1053'		
Pic. Cliffs	1325	1329	Natural Gas	Pic. Cliffs	1324'		
<p>1254-23 = 43" TO HOLES</p> <p>1325-30 = 43" 8 HOLES</p> <p>LOSS OF CEMENT RECORD, INTERVALS WITH SACKS CEMENTED</p> <p>SIZE</p> <p>2 1/2" IP. 1254-1325</p> <p>3 1/2" IP. 1325-1329</p> <p>2" IP. 1329-1330</p> <p>2" IP. 1330-1331</p> <p>2" IP. 1331-1332</p> <p>2" IP. 1332-1333</p> <p>2" IP. 1333-1334</p> <p>2" IP. 1334-1335</p> <p>2" IP. 1335-1336</p> <p>2" IP. 1336-1337</p> <p>2" IP. 1337-1338</p> <p>2" IP. 1338-1339</p> <p>2" IP. 1339-1340</p> <p>2" IP. 1340-1341</p> <p>2" IP. 1341-1342</p> <p>2" IP. 1342-1343</p> <p>2" IP. 1343-1344</p> <p>2" IP. 1344-1345</p> <p>2" IP. 1345-1346</p> <p>2" IP. 1346-1347</p> <p>2" IP. 1347-1348</p> <p>2" IP. 1348-1349</p> <p>2" IP. 1349-1350</p> <p>2" IP. 1350-1351</p> <p>2" IP. 1351-1352</p> <p>2" IP. 1352-1353</p> <p>2" IP. 1353-1354</p> <p>2" IP. 1354-1355</p> <p>2" IP. 1355-1356</p> <p>2" IP. 1356-1357</p> <p>2" IP. 1357-1358</p> <p>2" IP. 1358-1359</p> <p>2" IP. 1359-1360</p> <p>2" IP. 1360-1361</p> <p>2" IP. 1361-1362</p> <p>2" IP. 1362-1363</p> <p>2" IP. 1363-1364</p> <p>2" IP. 1364-1365</p> <p>2" IP. 1365-1366</p> <p>2" IP. 1366-1367</p> <p>2" IP. 1367-1368</p> <p>2" IP. 1368-1369</p> <p>2" IP. 1369-1370</p> <p>2" IP. 1370-1371</p> <p>2" IP. 1371-1372</p> <p>2" IP. 1372-1373</p> <p>2" IP. 1373-1374</p> <p>2" IP. 1374-1375</p> <p>2" IP. 1375-1376</p> <p>2" IP. 1376-1377</p> <p>2" IP. 1377-1378</p> <p>2" IP. 1378-1379</p> <p>2" IP. 1379-1380</p> <p>2" IP. 1380-1381</p> <p>2" IP. 1381-1382</p> <p>2" IP. 1382-1383</p> <p>2" IP. 1383-1384</p> <p>2" IP. 1384-1385</p> <p>2" IP. 1385-1386</p> <p>2" IP. 1386-1387</p> <p>2" IP. 1387-1388</p> <p>2" IP. 1388-1389</p> <p>2" IP. 1389-1390</p> <p>2" IP. 1390-1391</p> <p>2" IP. 1391-1392</p> <p>2" IP. 1392-1393</p> <p>2" IP. 1393-1394</p> <p>2" IP. 1394-1395</p> <p>2" IP. 1395-1396</p> <p>2" IP. 1396-1397</p> <p>2" IP. 1397-1398</p> <p>2" IP. 1398-1399</p> <p>2" IP. 1399-1400</p>				<p>1880 E27 & 1880 E47</p> <p>180° BOX 1247, ESTABLISHED, 4M 2140'</p> <p>CIGUEOLA WELLSION & JOSEPH G. BRADERS</p>			

DEPARTMENT OF THE INTERIOR
 BUREAU OF LAND MANAGEMENT
 WASHINGTON, D.C. 20250

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved
Budget Bureau No. 41-13553

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL GAS WELL DRY Other

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. DEPTH Other

3. NAME OF OPERATOR
J. Gregory Merrion & Robert L. Bayless

4. ADDRESS OF OPERATOR
P.O. Box 1541, Farmington, NM 87401

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 790 FNI, and 1450 FWL
At top prod. interval reported below same
At total depth same

6. LEASE DESIGNATION AND REAC. NO.
NM 12235

7. IF INDIAN, ALLOTTEE OR TRIBE NAME

8. UNIT AGREEMENT NAME

9. FARM OR LEASE NAME
Southland

10. FIELD AND POOL OR WILDCAT
WAW Fruitland Pic. Clf

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA
Sec. 10, T26N, R13W

12. COUNTY OR PARISH
San Juan

13. STATE
N.M.

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 07-13-79 16. DATE T.D. REACHED 07-19-79 17. DATE COMPL. (Ready to prod.) 08-13-79 18. ELEVATION (DY, REB, ET, OR, ETC.) 6208' GL 19. ELEV. CASING HEAD

20. TOTAL DEPTH, MD & TVD 1420' 21. PLUG, BACK T.D., MD & TVD 1386' GR 22. IF MULTIPLE COMPL., HOW MANY? 23. INTERVALS DRILLED BY 0-1420'

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Pictured Cliffs - 1325' top

25. WAS DIRECTIONAL SURVEY MADE? no

26. TYPE ELECTRIC AND OTHER LOGS RUN
IES Induction, Compensated Density and Compensated Neutron

27. WAS WELL CORED? no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7-5/8"	26.4#	42'	9-3/4"	75' sax	
2-7/8"	6.5#	1410'	4-3/4"	240 sax	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1"	1340'	none

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)
1337-43' w/2 PF - .420"

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) 1337-43' AMOUNT AND KIND OF MATERIAL USED 2-1/8" glass jets; foam fracked PC w/12,000# 20/40 sand; 76 bbls. water; 100,100 SCF N2

33. PRODUCTION

DATE FIRST PRODUCTION 8-13-79 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) flowing WELL STATUS (Producing or shut-in) shut in

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-13-79	3	.750"		0	250/day	0	

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
10 PSIG			0	250/day	0	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
vented TEST WITNESSED BY Don Walters

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records:
SIGNED *Steven J. Allen* TITLE Engineer DATE August 20, 1979

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

OPERATOR

INSTRUCTIONS

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Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

(ch 2 encls on this including 1) 1950 and inclosure 1 1952)

37. SUMMARY OF POROUS ZONES:				38. GEOLOGIC MARKERS			
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF, COOKED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				NAME, MEAS. DEPTH, TRUE VERT. DEPTH			
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	
Pic. Cliffs	1325'		Gas	Fruitland	880'		WELL COMPLETION OR RECOMPLETION LOG
				Pic. Cliffs	1325'		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*
(See other instructions on reverse side)

Form approved
Budget Bureau No. 41-3554

5. LEASE DESIGNATION AND SURVEY NO.
NM-12235

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Southland

9. WELL NO.

10. FIELD AND POOL OR WILDCAT

WAW Fruitland/Pic. Cliffs

11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA

Sec. 9, T26N R13W

12. COUNTY OR PARISH

San Juan

13. STATE

N.M.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1A. TYPE OF WELL: OIL WELL GAS WELL DRY Other

1B. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLOG BACK DIFF. DESVR. Other

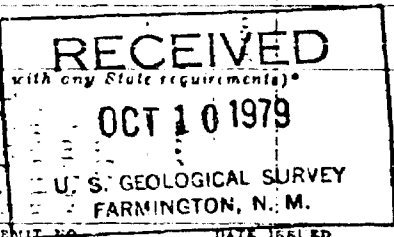
2. NAME OF OPERATOR
J. Gregory Merrion & Robert L. Bayless

3. ADDRESS OF OPERATOR
P.O. Box 507, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*
At surface 790 FNL & 790 FEL

At top prod. interval reported below same

At total depth same



14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 09-01-79 16. DATE T.D. REACHED 09-06-79 17. DATE COMPL. (Ready to prod.) 09-24-79 18. ELEVATIONS (DP, RES. RT, CE, ETC.)* 6253 ft. GR

20. TOTAL DEPTH, MD & TVD 1465 ft. 21. PLOG BACK T.D., MD & TVD 1420 22. IF MULTIPLE COMPL., HOW MANY? 23. INTERVALS DRILLED BY 0-TD

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
Pictured Cliffs: 1360-70 ft.
Fruitland: 1320-24 ft.

25. TYPE ELECTRIC AND OTHER LOGS RUN
IES Induction, Compensated Neutron & Density

27. WAS WELL CORED no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23 lb./ft.	97 ft.	9-3/4"	35 sacks 3% CAC	
2-1/8"	6.5 lb./ft.	1449 ft.	5"	100 sacks Class "H" 2% 50 sacks Class "H"	0-79

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1-1/4"	1380'	

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)
1360-70': .430" - 20 holes
1320-24': .430" - 8 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.
DEPTH INTERVAL (MD) AMOUNT AND KIND OF MATERIAL USED
1360-70' Frac 15,000# 20/40 sand, 120 bbl. H₂O 1% KCL, 115,000 SCF N₂.
1320-24' Acid 500 gal, 15% HCL; Frac 2500# 20/40 sand, 91.5 bbl. slick water

33.* PRODUCTION

DATE FIRST PRODUCTION 09-24-79 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST 09-24-79 HOURS TESTED 3 CHOKER SIZE 3/4" PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

16 PSIG 205 MCF/D 2 bbl/D

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) vented TEST WITNESSED BY Steven Dunn

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED *Steven Dunn* TITLE Engineer DATE October 8, 1979

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

OPERATOR

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Fruitland	1320	1324	Natural Gas, Salt Water
Pic. Cliffs	1360	1370	Natural Gas, Salt Water

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Ojo Alamo	230'	
Kirtland	1030'	
Fruitland	1349'	
Pic. Cliffs		

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved
Budget Bureau No. 41-2355.6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL GAS WELL DRY Other _____

2. TYPE OF COMPLETION: NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. SERV. Other _____

3. NAME OF OPERATOR
J. Gregory Merrion & Robert L. Bayless

4. ADDRESS OF OPERATOR
P.O. Box 1541, Farmington, NM 87401

5. LEASE DESIGNATION AND SERIAL NO.
NM 12235

6. IF INDIAN, ALIOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Southland

9. WELL NO.
6

10. FIELD AND POOL OR WINDCAT
WAW Fruitland/Pic. Cliffs

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA
Sec. 10, T26N, R13W

12. COUNTY OR PARISH
San Juan

13. STATE
N.M.

14. PERMIT NO. _____ DATE ISSUED _____

15. DATE SPUNDED 10-31-79 16. DATE T.D. REACHED 11-02-79 17. DATE COMPL. (Ready to prod.) 01-21-80 18. ELEVATIONS (DY, REB, RT, OR, ETC.)* 6128' GL 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 1350' 21. PLUG, JACK T.D., MD & TVD 1313' 22. IF MULTIPLE COMPL., HOW MANY* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 1281-94' - Pictured Cliffs 25. WAS DIRECTIONAL SURVEY MADE no

26. TYPE ELECTRIC AND OTHER LOGS RUN
Gamma Ray Correlation Log, IES Induction, Compensated Neutron-Density 27. WAS WELL CORED no

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
7"	23 lb./ft.	95.5'	9-3/4"	30 sacks circulated to surface.	
2-7/8"	6.6 lb./ft.	1350.70'	5"	90 sacks econofil; 50 sacks class "A" neat w/1 bbl. circulated to surface.	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

31. PERFORATION RECORD (Interval, size and number)
1281-94' ---.430", 13 holes, 1/PF-w/2-1/2" glass jets.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1281-94'	112 bbls. 1 1/2 KCL water, 112,000 SCF N ₂ , 15,000 lbs. 10/20 mesh sand.

33. PRODUCTION

DATE FIRST PRODUCTION 01-11-80 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut in

DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
01-21-80	1 Hour	3/4"		0	760 MCF/day	trace	

FLOW-TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
	212 PSIG		0	760	trace	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)
vented TEST WITNESSED BY John Anderson

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

SIGNED *[Signature]* TITLE Engineer DATE 01-29-80

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws 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. See instructions on Items 22 and 24, and 33, below regarding separate reports for separate completions. If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

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Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

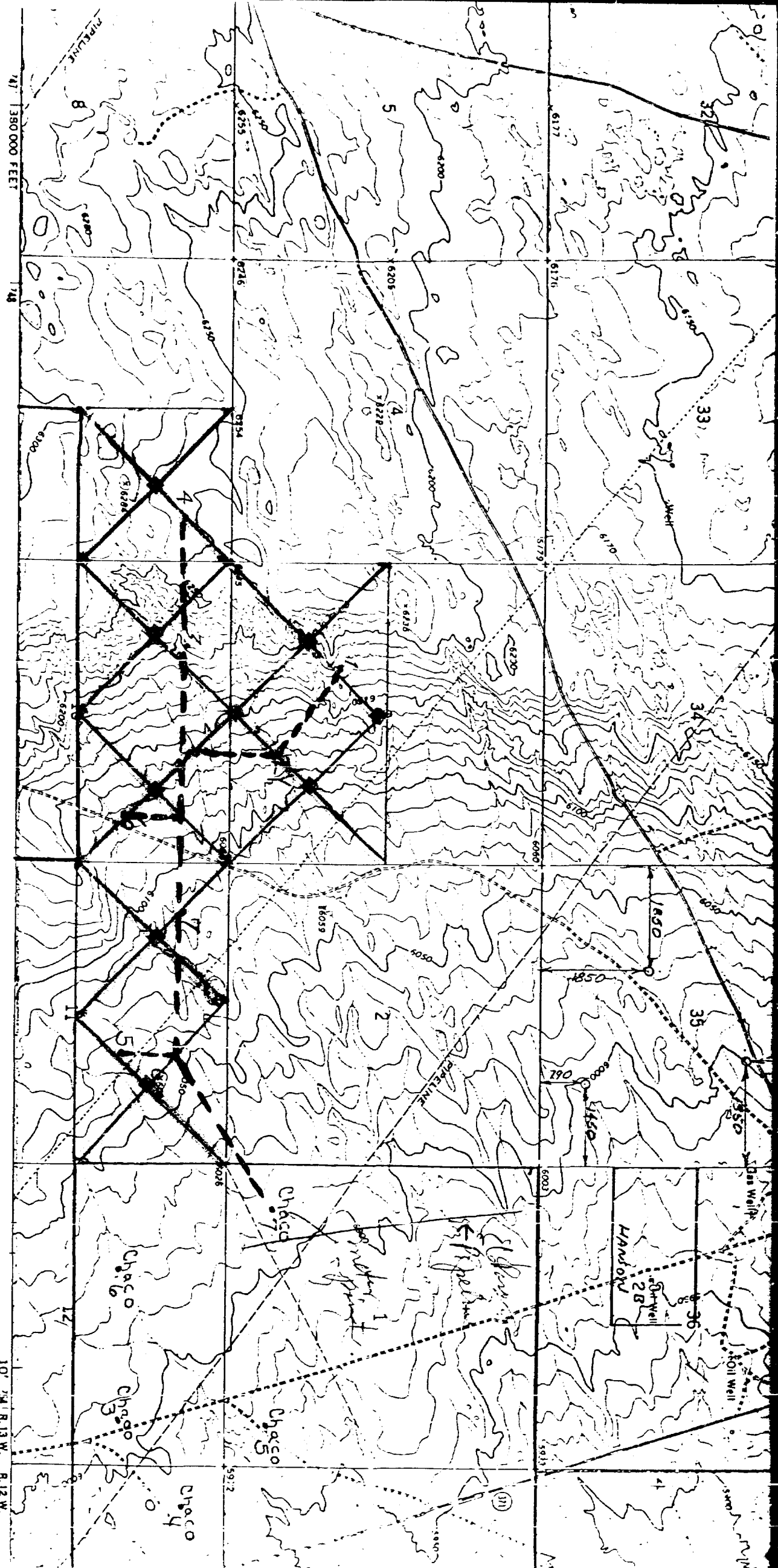
37. SUMMARY OF POROUS ZONES:
SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Pic. Cliffs	1281'	1294'	Natural gas, salt water

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Kirtland	165'	
Fruitland	952'	
Pic. Cliffs	1276'	

1, edited, and published by the Geological Survey
 by USGS, USCG&GS, and U. S. Bureau of Reclamation
 by photogrammetric methods from: aerial
 photos taken 1964 and by plane-table surveys of the
 of Reclamation 1965. Field checked by USGS 1965
 projection. 1927 North American datum
 foot grid based on New Mexico coordinate system,
 for Universal Transverse Mercator grid ticks,
 shown in blue
 Dashed lines indicate selected fence lines



MERRION & BAYLESS
 Proposed Gathering System for
 Southland #1, #3, & #4 Wells

EXHIBIT "A"
 Case 6790

LEGEND:
 USA Oil & Gas Lease #NNM12235
 Proposed Pipeline

Exhibit B
 Case 6790



Dockets Nos. 3-80 and 4-80 are tentatively set for January 30 and February 13, 1980. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - JANUARY 16, 1980

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

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

- ALLOWABLE: (1) Consideration of the allowable production of gas for February, 1980, from fifteen prorated pools in Lea, Eddy, and Chaves Counties, New Mexico.
- (2) Consideration of the allowable production of gas for February, 1980, from four prorated pools in San Juan, Rio Arriba, and Sandoval Counties, New Mexico.
- CASE 6787: In the matter of the hearing called by the Oil Conservation Division on its own motion to consider the approval of 12 non-standard proration units ranging in size from 261.51 acres to 334.24 acres for 320-acre spaced pools, and 19 non-standard proration units ranging in size from 162.65 acres to 207.57 acres for 160-acre spaced pools, all of the aforesaid units being in and resulting from the irregular size and shape of Sections 1 thru 7 and 18, 19, 30, and 31, along the North and West sides of Township 28 North, Range 3 West, Rio Arriba County.
- CASE 6788: Application of Amoco Production Company for a dual completion, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion (conventional) of its South Mattix Unit Well No. 35 located in Unit F of Section 15, Township 24 South, Range 37 East, to produce gas from the Fowler-Upper Paddock Pool and oil from the Fowler-Drinkard Pool thru parallel strings of tubing.
- CASE 6789: Application of Knox Industries, Inc. for an unorthodox oil well location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks an exception to the well location requirements of the Scharb-Bone Springs Pool as promulgated by Order No. R-2589 to permit its New Mexico State Well No. 2 to be drilled in Unit H of Section 1, Township 19 South, Range 34 East, the E/2 NE/4 of said Section 1 to be dedicated to the well.
- CASE 6790: Application of Merrion & Bayless for gas well commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to temporarily commingle certain of its Pictured Cliffs gas wells in Sections 1, 2, 3, 9, 10, and 11, Township 26 North, Range 13 West, in a common gathering system and meter the entire lease output through the purchaser's sales meter located in Unit M of said Section 7.
- CASE 6784: (Continued from January 3, 1980, Examiner Hearing)
- Application of Merrion & Bayless for a non-standard proration unit and an unorthodox gas well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 640-acre non-standard gas proration unit comprising the W/2 of Section 18 and the W/2 of Section 19, Township 32 North, Range 14 West, Barker Creek-Paradox Pool, to be dedicated to its Ute Well No. 7 at an unorthodox location 1685 feet from the South line and 3335 feet from the East line of said Section 19.
- In the alternative, applicant seeks an order force pooling all of said Section 19 to form a standard 640-acre unit.
- CASE 6791: Application of Holly Energy, Inc. for an unorthodox gas well location, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its State 30 Well No. 1, a Morrow test to be drilled 660 feet from the North line and 840 feet from the East line of Section 30, Township 17 South, Range 28 East, the N/2 of said Section 30 to be dedicated to the well.
- CASE 6792: Application of Florida Exploration Company for a non-standard gas proration unit, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 324.25-acre non-standard gas proration unit comprising Lots 1 and 2 and N/2 NE/4 of Section 33 and Lots 2, 3, and 4 and NW/4 NE/4 and N/2 NW/4 of Section 34, all in Township 26 South, Range 30 East, Ross Draw Area, to be dedicated to a well to be drilled at a standard location thereon.
- CASE 6793: Application of Meadco Properties, Ltd. for an exception to Order No. R-111-A, 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 permit a proposed well in Unit E of Section 4, Township 21 South, Range 29 East, to be completed by setting surface casing at 550 feet and production casing at total depth and cementing both casing strings to the surface.
- CASE 6794: Application of Caulkins Oil Company for downhole commingling, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks approval for the downhole commingling of Tociro Gallup and Dakota production in the wellbore of its Brecch "D" Well No. 140 located in Unit A of Section 11, Township 26 North, Range 6 West.

ROBERT L. BAYLESS

PETROLEUM CLUB PLAZA BUILDING

P. O. BOX 1841

FARMINGTON, NEW MEXICO 87401

December 18, 1979

STATE OF NEW MEXICO
Energy & Minerals Department
Oil Conservation Division
P.O. Box 2088
Santa Fe, NM 87501

325 5093
Case 6790

ATTENTION: Mr. Richard L. Stamets

RE: On-Lease Gathering System
Southland

Gentlemen:

Enclosed please find a lease plat and a topographical map, both showing the proposed temporary on-lease gathering system for Pictured Cliffs gas wells. We request permission to gather these wells and meter the entire lease output into El Paso Natural Gas Company's master meter to be located in the SW/SW of Section 7, Township 26 North, Range 13 West. This proposed temporary top-of-ground gathering system will only be used until El Paso receives right-of-way approval from the Navajo Irrigation Project. It should be pointed out this is a USA Oil and Gas Lease with the surface rights conveyed to the Irrigation Project and it has been 14 months since the last right-of-way was approved. You will note the proposed wells to be gathered are all on the same lease with identical ownership of royalty and working interest. We propose to allocate production between wells based on open flow tests or if desirable, can establish allocation ratios by shutting in all but one well on a sequential basis and thus establishing flow rates.

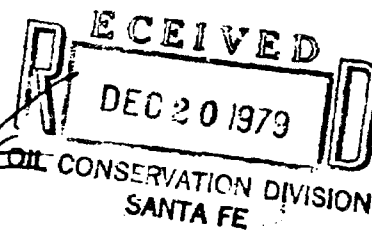
We request administrative approval for this temporary gathering system to accelerate the actual selling of gas. In the event this is not possible, we would appreciate a hearing being set at the earliest date.

Yours truly,

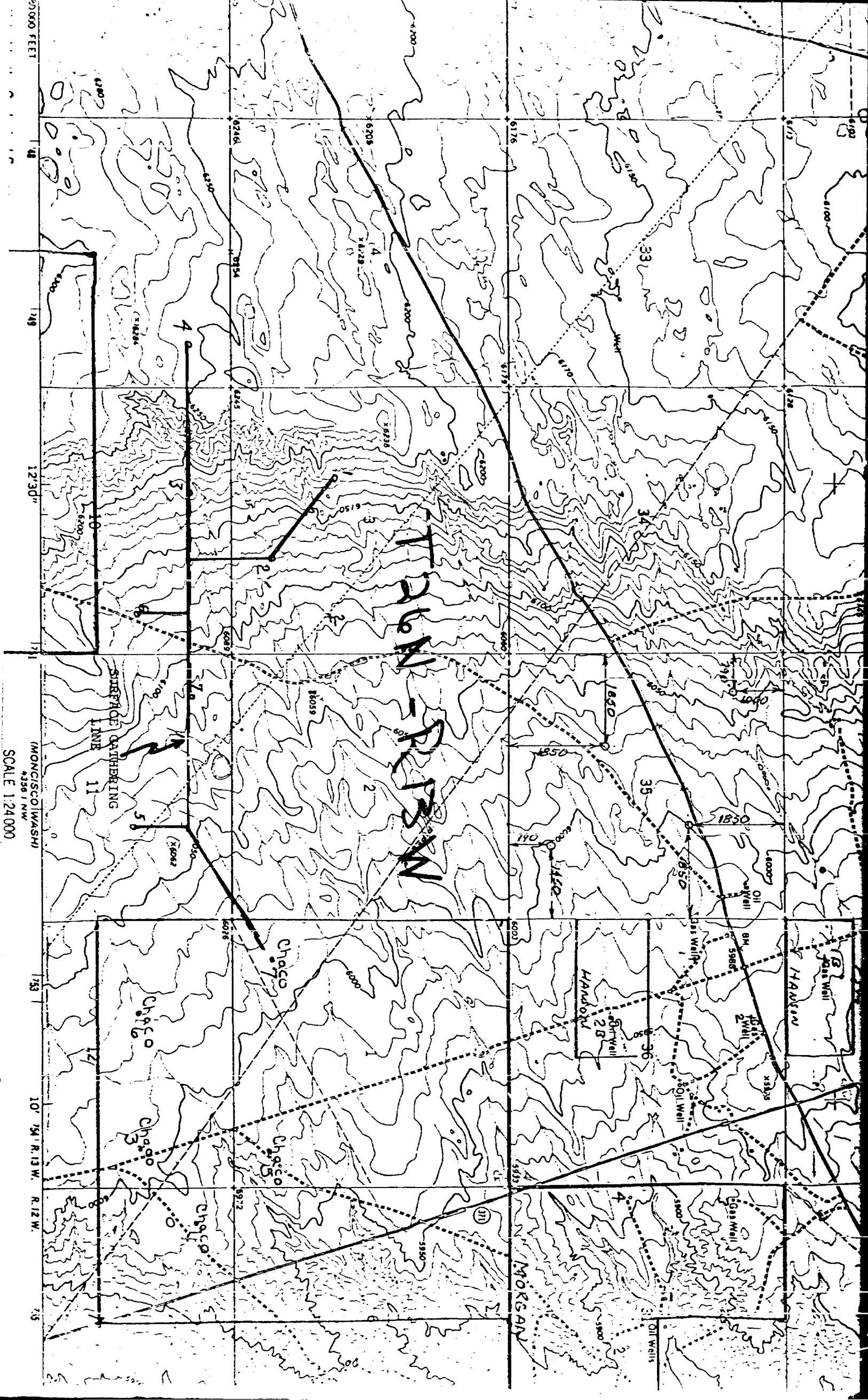
MERRION & BAYLESS

By

Robert L. Bayless
ROBERT L. BAYLESS



Enclosures: Lease Plat
Topographical Map



(MONCISCO) WASH
4386 / NW
SCALE 1:24000

20000 FEET

148

149

123d"

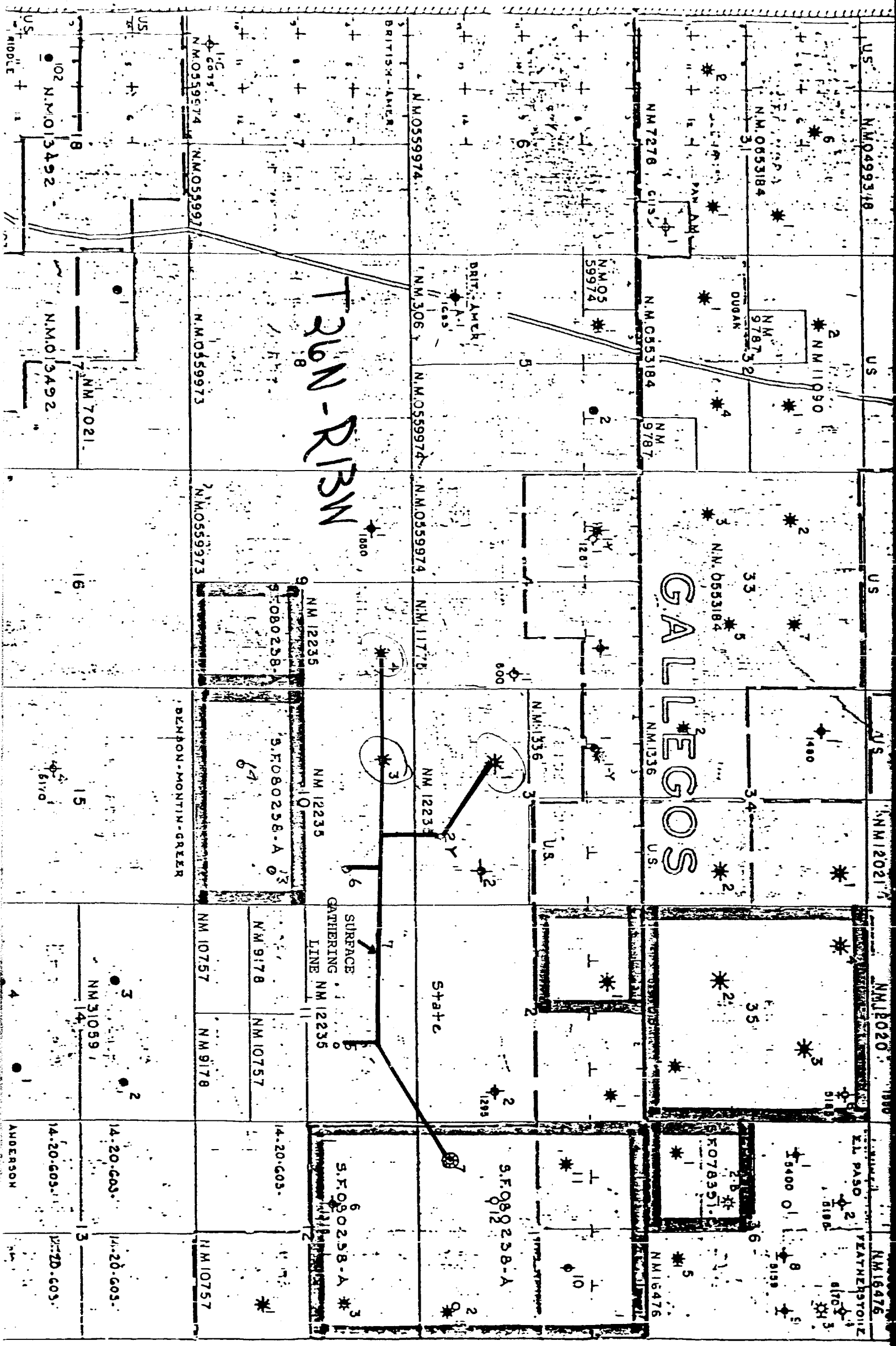
121

123

10° 29' 13" W.

R. 12 W.

75



T26N-R13N

GALLEGOS

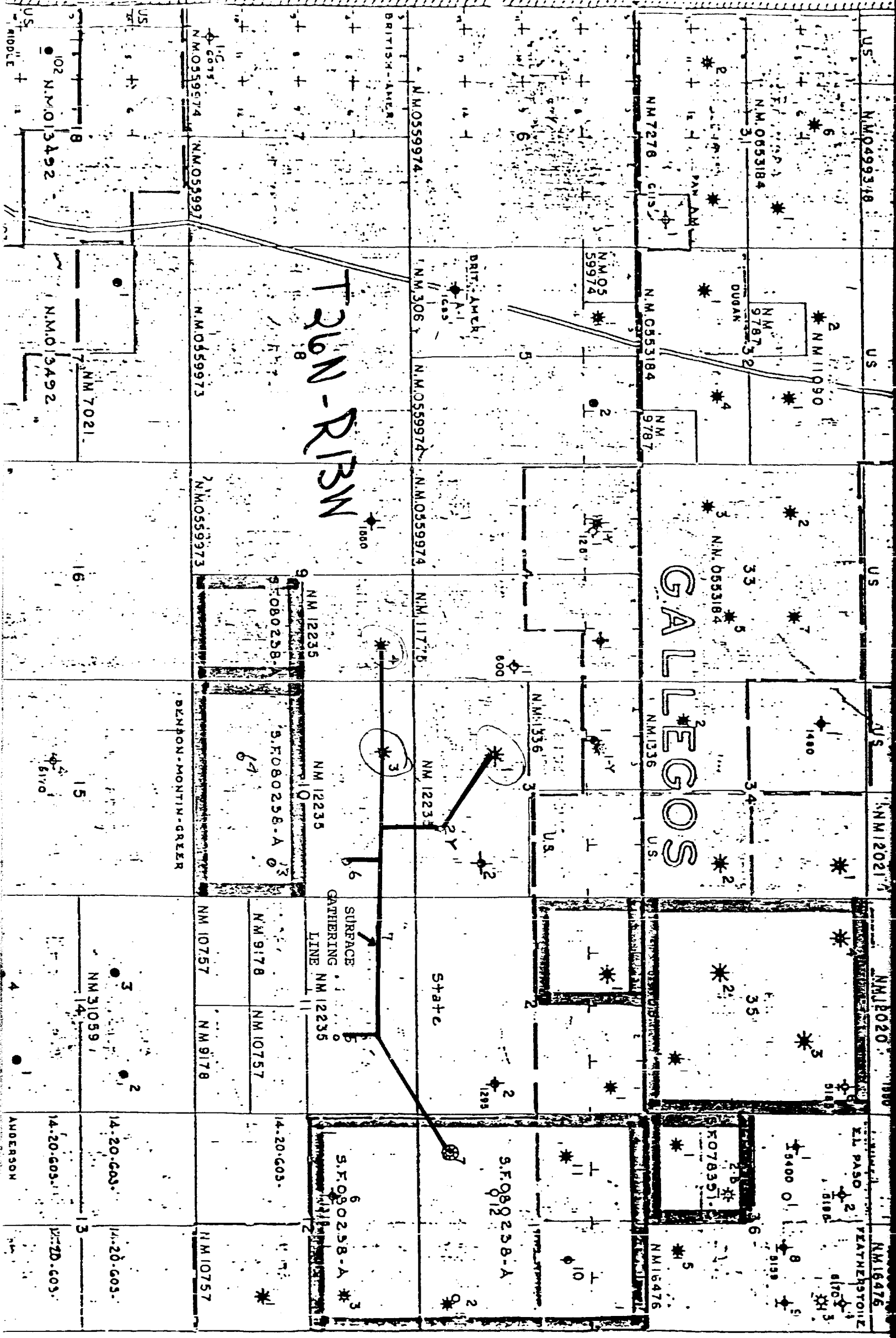
BENJON-MONTIN-GREEK

State

SURFACE GATHERING LINE

S.F. 080258-A

S.F. 080258-A



T26N-R13N

GALLEGOS

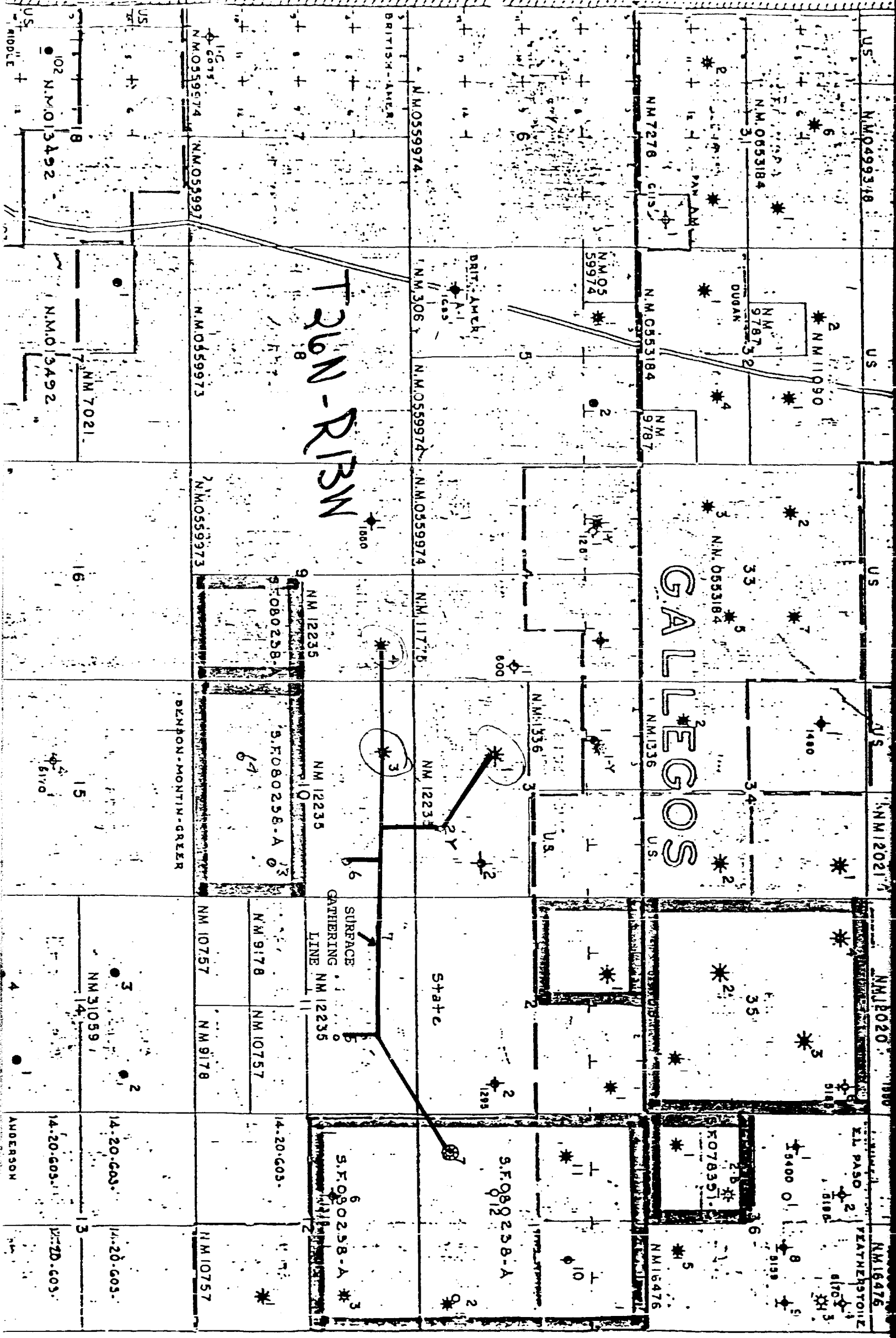
BENJON-MONTIN-GREEK

State

SURFACE GATHERING LINE

S.F. 080258-A

S.F. 080258-A



T26N-R13N

GALLEGOS

BENJON-MONTIN-GREEK

State

SURFACE GATHERING LINE

S.F. 080258-A

S.F. 080258-A

CASE 6807: Application of Meadco Properties, Ltd. for an exception to Order No. R-111-A, 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 permit a proposed well in Unit L of Section 4, Township 21 South, Range 29 East, to be completed by setting surface casing at 550 feet and production casing at total depth and cementing both casing strings to the surface.

CASE 6808: Application of Conoco Inc. for two non-standard gas proration units and two unorthodox well locations, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval of a 160-acre non-standard gas proration unit comprising the NW/4 of Section 24, Township 20 South, Range 37 East, Eumont Gas Pool, and also a 120-acre non-standard gas proration unit comprising the W/2 SW/4 and SE/4 of said Section 24, each of said units to be dedicated to a well to be drilled at an unorthodox location, the first being 990 feet from the North line and 330 feet from the West line of the section, and the second being 1650 feet from the South line and 330 feet from the East line.

CASE 6387: (Reopened and Readvertised)

In the matter of Case 6387 being reopened pursuant to the provisions of Order No. R-5353-E which order reclassified the North Tocito Dome-Pennsylvanian Gas Pool as an associated pool with special rules and regulations therefor. All interested parties may appear and show cause why the North Tocito Dome-Pennsylvanian Associated Pool should not be reclassified as a gas pool to be governed by statewide rules.

CASE 6809: Application of Harvey E. Yates Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the Retenbough Unit Area, comprising 1921 acres, more or less, of State and fee lands in Township 13 South, Range 36 East.

CASE 6790: (Continued from January 30, 1980, Examiner Hearing)

Application of Merrion & Bayless for gas well commingling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks permission to temporarily commingle certain of its Pictured Cliffs gas wells in Sections 1, 2, 3, 9, 10, and 11, Township 26 North, Range 13 West, in a common gathering system and meter the entire lease output through the purchaser's sales meter located in Unit M of said Section 7.

CASE 6784: (Continued from January 30, 1980, Examiner Hearing)

Application of Merrion & Bayless for a non-standard proration unit and an unorthodox gas well location, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks approval for a 640-acre non-standard gas proration unit comprising the W/2 of Section 18 and the W/2 of Section 19, Township 32 North, Range 14 West, Barker Creek-Paradox Pool, to be dedicated to its Ute Well No. 7 at an unorthodox location 1685 feet from the South line and 3335 feet from the East line of said Section 19.

In the alternative, applicant seeks an order force pooling all of said Section 19 to form a standard 640-acre unit.

CASE 6795: (Continued and Readvertised)

Application of Torreon Oil Company for a waterflood project, Sandoval County, New Mexico. Applicant, in the above-styled cause, seeks authority to institute a waterflood project in the San Luis-Mesaverde Oil Pool by the injection of water into the Menafee formation through its San Luis Fed. Wells Nos. 1 and 2, located in Unit K of Section 21, Township 18 North, Range 3 West. Applicant further seeks an administrative procedure for approval of additional producing and injection wells at unorthodox locations in said project.

CASE 6810: In the matter of the hearing called by the Oil Conservation Division on its own motion for an order creating and extending the vertical and horizontal limits of certain pools in Chaves, Eddy, and Lea Counties, New Mexico:

(a) CREATE a new pool in Lea County, New Mexico, classified as an oil pool for Fusselman production and designated as the Brunson-Fusselman Pool. The discovery well is Amoco Production Company Grizzell B Well No. 3 located in Unit H of Section 8, Township 22 South, Range 37 East, NMPM. Said pool would comprise:

TOWNSHIP 22 SOUTH, RANGE 37 EAST, NMPM
Section 8: NE/4

ROUGH

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. 6790

Order No. R-6282

APPLICATION OF MERRION & BAYLESS
FOR GAS WELL COMMINGLING, SAN JUAN
COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on February 13
19 80, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this _____ day of March, 19 80, the
Division Director, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

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

(2) That the applicant, Merrion & Bayless, seek permission
to temporarily commingle certain Pictured Cliffs gas wells on its
Southland Lease in Sections 3, 9, 10, and 11, Township 26 North,
Range 13 West, NMPM, San Juan County, New Mexico, in a common
gathering system and meter the entire lease output through the

purchaser's sales meter located in Unit M of Section 1 of said township.

(3) That said Southland Lease is within the boundary of the Navajo Indian Irrigation Project, and the pipeline company in the area has been unable to obtain a right-of-way to enter and connect the applicant's wells.

(4) That it is expected that the pipe line company will obtain a right-of-way and will connect the wells on applicant's Southland Lease within one year.

(5) That in the meantime, applicant proposes to install a temporary gas gathering system and transport the gas to the nearest available point on the pipe line where the gas will change custody through the purchaser's meter.

(6) That the ownership of all wells on the Southland Lease is common throughout and to commingle the production and transport it to the pipeline on a temporary basis as described above will not cause waste nor violate correlative rights and should be approved, provided that periodic tests should be taken to determine the production from each well.

IT IS THEREFORE ORDERED:

(1) That the applicant, Merrion & Bayless, is hereby authorized to commingle the production from the gas wells on its Southland Lease in Sections 3, 9, 10, and 11, Township 26 North, Range 13 West, NMPM, San Juan County, New Mexico, in a common gathering system for transportation off the lease to the purchaser's sales meter in Unit M of Section 1 of the same township.

(2) That the applicant, upon construction of the facility, and at six months intervals thereafter, shall determine the productivity of each well into the pipeline by producing such well while the remaining wells on the lease are shut in, and shall allocate the total metered production to each well connected to the common gathering system on the basis of such tests.

(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.