

CASE 6540: CAULKINS OIL COMPANY FOR AN
NGPA DETERMINATION, RIO ARRIBA COUNTY,
NEW MEXICO

Depend

CASE NO.

6540

APPLICATION,
TRANSCRIPTS,
SMALL EXHIBITS,

ETC.

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

EXAMINER HEARING

IN THE MATTER OF:

Application of Caulkins Oil Company
for an NGPA determination, Rio Arriba
County, New Mexico.

CASE 6540

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 for the Division
State Land Office Bldg.
Santa Fe, New Mexico 87503

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (806) 471-2462
Santa Fe, New Mexico 87501

1 MR. NUTTER: Call Case 6540.

2 MR. PADILLA: Case 6540. Application of
3 Caulkins Oil Company for an NGPA determination, Rio
4 Arriba County, New Mexico.

5 The applicant in this case has requested that
6 it be dismissed.

7 MR. NUTTER: Case 6540 will be dismissed.

8 (Hearing concluded.)
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SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (SOS) 471-2462
Santa Fe, New Mexico 87501

REPORTER'S CERTIFICATE

I, SALLY WALTON 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.

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (606) 471-2462
Santa Fe, New Mexico 87501

Sally W. Boyd CSR
Sally W. Boyd, C.S.R.

I do hereby certify that the foregoing is
a complete and correct transcript of the
hearing held on 5/9 1979 at 6540
Oil Conservation Division, Examiner
[Signature]

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

EXAMINER HEARING

IN THE MATTER OF:

Application of Caulkins Oil Company
for an NQPA determination, Rio Arriba
County, New Mexico.

CASE 6540

BEFORE: Daniel S. Nutter

TRANSCRIPT OF HEARING

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For the Oil Conservation
Division:

Ernest L. Padilla, Esq.
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State Land Office Bldg.
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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.

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. 6340.
heard by me on 5/9 1979.

 , Examiner
Oil Conservation Division

SALLY WALTON BOYD
CERTIFIED SHORTHAND REPORTER
3020 Plaza Blanca (608) 471-2462
Santa Fe, New Mexico 87301



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

JERRY APODACA
GOVERNOR

NICK FRANKLIN
SECRETARY

May 16, 1979

POST OFFICE BOX 2080
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Mr. Arnold E. Raether
Caulkins Oil Company
Suite 2100 - 1600 Broadway
Denver, Colorado 80202

Re: CASE NO. 6540
ORDER NO. R-6007

Applicant:

Caulkins Oil Company

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 OCC	<u> x </u>
Artesia OCC	<u> x </u>
Aztec OCC	<u> x </u>

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. 6540
Order No. R-6007

APPLICATION OF CAULKINS OIL
COMPANY FOR AN NGPA DETERMINATION,
RIO ARriba COUNTY, NEW MEXICO.

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on May 9, 1979,
at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this 15th day of May, 1979, the Division
Director, having considered the record and the recommendations
of the Examiner, and being fully advised in the premises,

FINDS:

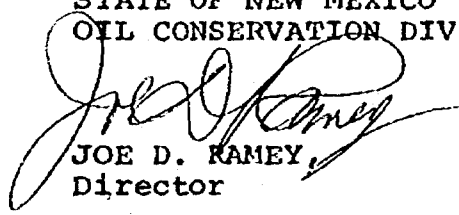
That the applicant's request for dismissal should be
granted.

IT IS THEREFORE ORDERED:

That Case No. 6540 is hereby dismissed.

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


dr/

CAULKINS OIL COMPANY

SUITE 2100 -- 1600 BROADWAY
DENVER, COLORADO 80202

May 3, 1979

AREA CODE 303

923-8791
961-4240

Energy and Minerals Department
Oil Conservation Division
P.O. Box 2088
State Land Office Building
Santa Fe, New Mexico 87501

Re: Well head price ceiling
determination, NGPA of
1978

Gentlemen:

Please be advised that well State B #233 D-16-26N-6W does not
qualify for section 108 of the Natural Gas Policy Act of 1978. For
this reason, please cancel the hearing scheduled for May 9, 1979,
Docket Number 18-79 Case 6540.

Sincerely,

CAULKINS OIL COMPANY

Arnold E. Raether
Arnold E. Raether

AER/lg

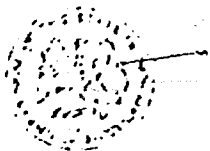
Dockets Nos. 20-79 and 21-79 are tentatively set for hearing on May 23 and June 13, 1979. Applications for hearing must be filed at least 22 days in advance of hearing date.

DOCKET: EXAMINER HEARING - WEDNESDAY - MAY 9, 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, Examiner, or Richard L. Stamets, Alternate Examiner:

- CASE 6544: In the matter of the hearing called by the Oil Conservation Division on its own motion to permit Geologic Resources, Inc., United States Fire Insurance Company, and all other interested parties to appear and show cause why the B. T. Godec Strat. Test Well No. 1 located in Unit I of Section 25, Township 12 North, Range 8 East, Santa Fe County, New Mexico, should not be plugged and abandoned in accordance with a Division-approved plugging program.
- CASE 6492: (Continued from April 25, 1979, Examiner Hearing)
Application of Yates Petroleum Corporation for compulsory pooling, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks an order pooling all mineral interests in the San Andres formation underlying the NE/4 NW/4 of Section 13, Township 17 South, Range 25 East, Eddy County, New Mexico, to be dedicated to a well to be drilled at a standard location thereon. Also to be considered will be the cost of drilling and completing said well and the allocation of the cost thereof as well as actual operating costs and charges for supervision. Also to be considered will be the designation of applicant as operator of the well and a charge for risk involved in drilling said well.
- CASE 6534: Application of Amoco Production for simultaneous dedication and an unorthodox location, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for the simultaneous dedication of its Gilluly Fed. Well No. 17 at an unorthodox location in Unit H of Section 24, Township 20 South, Range 36 East, Fumont Gas Pool, along with the three wells now dedicated to the previously approved 480-acre unit comprising the N/2 and SE/4 of said Section 24.
- CASE 6535: 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 Pool by the injection of water into the Menefee formation through two wells located in Section 21, Township 18 North, Range 3 West, Sandoval County, New Mexico.
- CASE 6536: Application of Black River Corp. for two non-standard gas proration units, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for two 80-acre non-standard gas proration units in the Jalmat Gas Pool as follows: the N/2 SE/4 of Section 22, Township 23 South, Range 36 East, to be dedicated to applicant's well to be drilled in Unit J of said Section 22; and the S/2 SE/4 of said Section 22 to be dedicated to El Paso Natural Gas Company's Shell State Well NO. 3 located in Unit P.
- CASE 6537: Application of Harper Oil Company for a unit agreement, Lea County, New Mexico. Applicant, in the above-styled cause, seeks approval for its West Ranger Lake Unit Area, comprising 1,120 acres, more or less, of State lands in Township 12 South, Range 34 East, Lea County, New Mexico.
- CASE 6538: Application of Bedford, Inc., for approval of infill drilling, San Juan County, New Mexico. Applicant, in the above-styled cause, seeks a waiver of existing well spacing requirements and a finding that the drilling of its Ram Well No. 1-A located in Unit G of Section 8, Township 26 North, Range 12 West, WAW Fruitland-Pictured Cliffs Pool, San Juan County, New Mexico, is necessary to effectively and efficiently drain that portion of the proration unit which cannot be so drained by the existing well.
- CASE 6539: Application of Continental Oil Company for a dual completion, Eddy County, New Mexico. Applicant, in the above-styled cause, seeks approval for the dual completion of its James Ranch Unit Well No. 7 located in Unit G of Section 6, Township 23 South, Range 31 East, Eddy County, New Mexico, to produce gas from the Morrow and Atoka formations, Los Medanos Field, through parallel strings of tubing.
- CASE 6540: Application of Caulkins Oil Company for an NGPA determination, Rio Arriba County, New Mexico. Applicant, in the above-styled cause, seeks a Section 108 stripper gas well determination for its State B Well No. 233 located in Unit D of Section 16, Township 26 North, Range 6 West, South Blanco-Pictured Cliffs Pool, Rio Arriba County, New Mexico.
- CASE 6541: Application of Sun Oil Company for an unorthodox well location, Chaves County, New Mexico. Applicant, in the above-styled cause, seeks approval for the unorthodox location of its State H Well No. 17, 1328 feet from the North line and 1336 feet from the East line of Section 16, Township 8 South, Range 30 East, Cato-San Andres Pool, Chaves County, New Mexico.

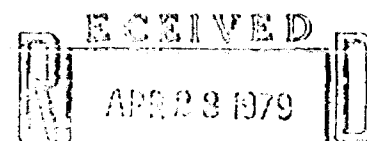


STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

JERRY APODACA
COMMISSIONER

NICK FRANKLIN
SECRETARY

Caulkins Oil Co.
1600 Broadway - Suite 2100
Denver, CO 80202



POST OFFICE BOX 2080
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

OIL CONSERVATION DIVISION
SANTA FE

Re: Wellhead price ceiling
determination, NGPA of
1978

Gentlemen:

The New Mexico Oil Conservation Division has received your application for a wellhead price ceiling category determination under the section(s) of the Natural Gas Policy Act of 1978 indicated below. If your application is incomplete, forms are attached hereto, indicating the documents and further information which must be filed before your application can be considered. If your application is complete, it will be acted upon administratively unless written objection is received within 15 days of its filing.

WELL NAME AND LOCATION State B # 233 D-16-26N-6W

SECTION(S) APPLIED FOR 108

DATE APPLICATION RECEIVED 2-26-79

APPLICATION INCOMPLETE ✓

Sincerely,

DATE: 4-12-79

THIS WELL DOES NOT QUALIFY FOR SECTION 108. PLEASE DISREGARD APPLICATION.

Arnold E. Raether
Caulkins Oil Company



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

JERRY APODACA
COMMISSIONER

NICK FRANKLIN
SECRETARY

POST OFFICE BOX 2000
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Caulkins Oil Co.
1600 Broadway - Suite 2100
Denver, CO 80202

Case 6540

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determination, NGPA of
1978

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WELL NAME AND LOCATION State B # 233 D-16-26N-6W

SECTION(S) APPLIED FOR 108

DATE APPLICATION RECEIVED 2-26-79

APPLICATION INCOMPLETE ✓

Sincerely,

DATE: 4-12-79

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

POST OFFICE BOX 2008
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
REG-027-2434

The following Oil Conservation Division and/or Federal Energy Regulatory Commission regulations were not satisfied by your application for determination. Please review the regulations checked below and supply the necessary information.

SECTION	OCD RULE ORDER R-5878	CORRESPONDING FERC RULE	OCD RULE ORDER R-5878	CORRESPONDING FERC RULE
GENERAL	1.	274.201 (e)	2.	274.201 (c)
<u>102</u> NEW NATURAL GAS	13. 1. d. " 1. c. " 1. d. " 2. a. " 2. c. " 2. d. " 2. e.	274.202 (c) (1) (i) " (c) (1) (iv) " (c) (1) (v) " (c) (2) (i) " (c) (2) (iii) " (c) (2) (iv) " (c) (2) (vi)	14. 1. " 3. " 4. " 5. (a) " 5. (b) " 5. (c) " 5. (d) 6.	274.202 (d) (1) (i) " (d) (1) (ii) " (d) (1) (v) " (d) (2) (i) " (d) (2) (ii) (A) " (d) (2) (ii) (B) " (d) (2) (ii) (C) " (d) (2) (ii) (D)
<u>103</u> NEW ONSHORE PRODUCTION WELLS	15. 1. " 4.	274.204 (a) " (c)	15. 5. " 6.	274.204 (d) " (f)
<u>107</u> HIGH-COST GAS	16. 1. " 3. " 4.	274.205 (a) " (b) " (c)	16. 5. " 6.	274.205 (d) " (e)
<u>108</u> STRIPPER GAS	17. 1. " 4. " 5. " 6. " 7. " 8. " 9. " 10.	274.206 (a) (1) " (a) (2) " (a) (3) " (a) (4) " (a) (5) " (a) (6) " (a) (7) " (a) (8)	18. 3. " 4. " 5. 19. 3. " 4. " 5. " 6.	274.206 (c) (2) " (c) (3) " (c) (4) " (d) (2) " (d) (3) " (d) (4) " (d) (5)

OTHER REQUIREMENTS NOT MET

Must have 90 days of production in application.
Must also have 12 consecutive months of production or other way to establish MER.
We are setting this for hearing for May 9

NEW MEXICO OIL CONSERVATION DIVISION
P. O. Box 2088, Santa Fe, New Mexico 87501

APPLICATION FOR WELLHEAD
PRICE CEILING CATEGORY DETERMINATION

1. FOR DIVISION USE ONLY

DATE OF: APPLICATION _____

DETERMINATION _____

CONTESTED _____

PARTICIPANTS _____

2. Name of Operator

Caulkins Oil Company

3. Address of Operator

1600 Broadway, Suite 2100, Denver, Colorado 80202

4. Location of Well

UNIT LETTER D 980 FEET FROM THE West LINE AND 1145 FEET FROM

THE North LINE, SECTION 16 TOWNSHIP 26N RANGE 6W NMPM.

13. Name and Address of Transporter(s)

Gas Company of New Mexico, 1508 Pacific Ave., Dallas, Texas 75270

State, Federal or Foreign State

E 291-25

State B

233

South Blanco PC

County

Rio Arriba

WELL CATEGORY INFORMATION

Check appropriate box for category sought and information submitted.

- ☒ 1. Category(ies) Sought (By NGPA Section No.) 108
2. All Applications must contain:
- ☒ a. C-101 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK
- ☒ b. C-105 WELL COMPLETION OR RECOMPLETION REPORT AND LOG
- ☐ c. DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111
- ☒ d. AFFIDAVITS OF MAILING OR DELIVERY
- ☐ 3. NEW NATURAL GAS UNDER SEC. 102(c) (1) (B) (using 2.5 Mile or 1000 Feet Deeper Test)
- ☐ a. Location Plat
- ☐ 4. NEW NATURAL GAS UNDER SEC. 102(c) (1) (C) (new onshore reservoir)
- ☐ a. C-122 Multipoint and one point back pressure test
- ☐ 5. NEW ONSHORE PRODUCTION WELL
- ☐ a. C-102 WELL LOCATION AND ACREAGE DEDICATION PLAT
- ☐ b. No. of order authorizing infill program _____
- ☒ 6. STRIPPER GAS
- ☒ a. C-116 GAS-OIL RATIO TEST
- ☒ b. PRODUCTION CURVE FOR 12-MONTH PERIOD PRECEDING DECEMBER 1, 1978.
- ☒ c. PRODUCTION CURVE FOR THE 90-DAY PERIOD ON WHICH THE APPLICATION IS BASED

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

NAME: Arnold E. Raether

SIGNED: Arnold E. Raether

TITLE: Treasurer

DATE: February 6, 1979

APPROVED: _____, EXAMINER

RECEIVED
FEB 26 1979
Oil Conservation

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)
(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	-	New onshore production well
107	-	High cost natural gas
108	-	Stripper well

Other Purchasers/Contracts:Contract Date
(Mo. Day Yr.)

Purchaser

Buyer Code

RECEIVED
FEB 26 1979
Oil Conservation

Remarks:

1.0 API well number: (If not available, leave blank. 14 digits.)				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	108 Section of NGPA		Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Caulkins Oil Company Name 1600 Broadway, Suite 2100 Street Denver City Colo. State 80202 Zip Code Seller Code:			
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	South Blanco Pictured Cliffs Field Name Rio Arriba County New Mexico State			
(b) For OCS wells:	Area Name Block Number Date of Lease: _____ Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)	State B 233			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Gas Company of New Mexico Name Buyer Code			
(b) Date of the contract:	_____ Mo. Day Yr.			
(c) Estimated annual production:	14,462 MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	1.528			
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	1.440			
9.0 Person responsible for this application:	Arnold E. Raether Name Signature _____ Date Application is Completed _____ Title Treasurer (303) 861-4230 Phone Number			
Agency Use Only				
Date Received by Juris. Agency				
Date Received by FERC				

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

Form C-101
Revised (12/1/55)

CORRECTED NOTICE OF INTENTION TO DRILL

Notice must be given to the District Office of the Oil Conservation Commission and approval obtained before drilling or recompletion begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in QUINTUPPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission. If State Land submit 6 Copies Attach Form C-128 in triplicate to first 3 copies of form C-101

Farmington, New Mexico
(Place)

August 1, 1960
(Date)

(This report corrects C-101 filed July 21/60)

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Gentlemen:

Deepening

You are hereby notified that it is our intention to commence the Drilling of a well to be known as
Caulkins Oil Company

(Company, or Operator)

State "B"

(Lease)

Well No. FD-223

in D
(Unit)

The well is

located 900 feet from the West line and 1145 feet from the
North line of Section 16, T. 26N, R. 6W, NMPM.

(GIVE LOCATION FROM SECTION LINE)

South Blanco Pool,

Rio Arriba County

If State Land the Oil and Gas Lease is No. E-295-25

If patented land the owner is

Address

We propose to drill well with drilling equipment as follows: Gas drill with rotary
drilling equipment from present depth of 3125' to 7650'.

The status of plugging bond is none

Drilling Contractor Flopper Drilling Company

We intend to complete this well in the Pictured Cliffs and Dakota
formation at an approximate depth of 7650 feet.

CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Sacks Cement
13"	10-3/4"	10.5	SH	540'	250 #
8-3/4"	7"	20.0	New	3038'	200 #
6 1/2"	5"	15.0	New	0 to 3000'	None
6 1/2"	4 1/2"	11.6	New	3000 to 7650'	250

If changes in the above plans become advisable we will notify you immediately. * Already in well.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.) This well is presently producing from Pictured Cliffs sand. 7" OD 20# casing is cemented at 3038 and the total depth is 3125'. For Commission order #2-1627, dated 3-11-60, we propose to deepen the above described well to approximately 7650' or through the Dakota producing interval. This hole will be made by gas drilling. The following casing and cementing program will be used:

Approved S. 2, 19 60
Except as follows:

Sincerely yours,

(over)

OIL CONSERVATION COMMISSION

By

Ernest C. Clark

Caulkins Oil Company
(Company or Operator)

By

Frank O. Cray

Position Production Foreman

Send Communications regarding well to

Name Frank O. Cray

Address Box 720, Farmington, New Mexico

4 1/2" OD, 11.6# J-55 Casing 2000' to 7650'
 5" OD, 15# J-55 Casing 0 to 2000'

This string shall be cemented with 200 sacks 12% Bentonite cement, containing 12 1/2# Silsonite per sack, followed by 50 sacks neat cement containing 12 1/2# Silsonite per sack.

The Dakota and Pictured Cliffs sands will be sand water fractured. After the Dakota fracturing operation is completed the 4 1/2" casing will be temporarily plugged at approximately 7100' and the 5" casing will be cut and pulled from approximately 2950'. A Baker Model D Packer will be set near the top of the Graneros perforations and a string of 2 3/8" OD EUE tubing latched in it. A string of 1 1/2" EUE tubing will be run for Pictured Cliffs production.

This well is presently on Oil Conservation Commission records as State "D"
 FC-233.

STATE OF NEW MEXICO	
OIL CONSERVATION COMMISSION	
ADJUTANT GENERAL'S OFFICE	
NUMBER OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	1
EL PASO	1
U.S. DEPT. OF THE INTERIOR	1
LAND OFFICE	1
TRANSPORTATION	1
OIL	1
GAS	1
ADJUTANT GENERAL'S OFFICE	
OPERATION	

0									

AREA 640 ACRES
LOCATE WELL CORRECTLY

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPPLICATE. If State Land submit 6 Copies

CAULKINS OIL COMPANY
(Company or Operator)

STATE "B"
(Lease)

Well No. PE-223, in SW $\frac{1}{4}$ of SW $\frac{1}{4}$ of Sec. 16, T. 26N, R. 6W, NMPM.

South Blanco Pool, Pio Arriba County.

Well is 980 feet from West line and 1145 feet from North line

of Section 16. If State Land the Oil and Gas Lease No. is E-295-25

Workover
Drilling Commenced 7-25, 19 60 Workover was Completed 2-29, 19 60

Name of Drilling Contractor Leegor Drilling Company

Address 271 Meadows Building, Dallas 6, Texas

Elevation above sea level at Top of Tubing Head 6697 C.L. The information given is to be kept confidential until _____, 19____.

TOPS OF OIL SANDS OR ZONES

No. 1, from <u>Platoned Cliff</u> to <u>3025</u>	No. 4, from <u>Greenhorn</u> to <u>2189</u>
<u>Cliff House</u> to <u>4740</u>	
No. 2, from <u>Point Lookout</u> to <u>5970</u>	No. 5, from <u>Graneros Shale</u> to <u>7243</u>
No. 3, from <u>Toolite</u> to <u>6883</u>	No. 6, from <u>Dakota</u> to <u>7275</u>

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.	
No. 2, from _____ to _____ feet.	
No. 3, from _____ to _____ feet.	
No. 4, from _____ to _____ feet.	

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10 3/4"	40.5	Used	540'			See	Surface
7"	20	New	3039'			History	Production
5"	15	New	0-2957'		0-2931'	Attached	
4 1/2"	11.6	New	2957-7644'	No.			Production

*Already in well

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13"	10 3/4"	540'	250			
8 3/4"	7"	3039'	200			
6 1/4"	5"	3957'	375			
6 1/4"	4 1/2"	7644'				

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Orig. & 4 cc: MDOCC
cc: A.H.
International
SUC - Dallas
Result of Production Stimulation file

Depth Cleaned Out _____

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 3125 feet to 7650 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing, 19.

OIL WELL: The production during the first 24 hours was barrels of liquid of which % was
was oil; % was emulsion; % water; and % was sediment. A.P.I.
Gravity.

GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure lbs.

Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

Southeastern New Mexico

Northwestern New Mexico

T. Anhy.	T. Devonian	T. Ojo Alamo
T. Salt	T. Silurian	T. Kirtland-Fruitland
B. Salt	T. Montoya	T. Farmington
T. Yates	T. Simpson	T. Pictured Cliffs 2035
T. 7 Rivers	T. McKee	T. Cliff House 4740
T. Queen	T. Ellenburger	T. Menefee
T. Grayburg	T. Gr. Wash	T. Point Lookout 5279
T. San Andres	T. Granite	T. Greenhorn 7188
T. Glorieta	T.	T. Dakota 7273
T. Drinkard	T.	T. Graneros - 7243
T. Tubbs	T.	T. Morrison
T. Abo	T.	T. Penn
T. Penn	T.	T.
T. Miss	T.	T.

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
3125	3155	30					
3155	4660	1505	Sand & Shale				
4660	4754	94	Shale				
4754	5362	608	Sand, Shale & Coal				
5362	7420	2068	Sand & Shale				
7420	7650	220	Sand				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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

Well History Attached

Frank R. Gray
September 29, 1960
(Date)

Company or Operator. Caulkins Oil Company

Address. Box 780, Farmington, New Mexico

Name.

Title. Field Superintendent

WELL HISTORY

- 8-7 - TD - 7630'.
- 8-8 - Ran Schlumberger Induction, Gamma Ray and Temperature Logs.
- 8-9 - Ran 5" OD, 15' casing 0' to 2937' and 4 1/2" OD, 11.6' casing 2937' to 7644'. Cemented through shoe with 200 sacks 12 1/2 Bentonite cement, containing 12 1/2% Gilsomite per sack, plus 50 sacks Latex cement. Multi-stage cementing collars were used in the 4 1/2" portion of the string at 3290' and 2987'.
- 8-13 - Drilled BV Collar @ 2987'. Tested casing w/2500#. Held ok.
- 8-20 - Cleaned out to 7590'.
- 8-21 - Ran Comoton log to 7590'.
- 8-22 - Perforated 4 holes @ 7374' and 4 holes @ 7340'. Ran Halliburton DM Squeeze Packer to 7510'. Cemented 4 1/2" casing 7340-7574 w/50 sacks Latex cement. Covered cement out with tubing @ 7270' getting 2 bbls cement back.
- 8-23 - Casing held 3000# pressure ok. Pulled tubing and perforated @ 7250' w/4 holes. Formation broke from 4500# to 2000# pumping 6 BPM.
- 8-24 - Cemented perforations @ 7250' w/15 sacks Latex cement. Final pressure - 4100#.
- 8-25 - Drilled out cement and squeeze packer. Tested perforations @ 7250'. Held ok @ 3500#. Drilled cement out to 7510'. Tested casing @ 7510' and found it would take fluid @ 2500#.
- 8-26 - Lane-Wells perforated 7478-7486 and 7410-7426 using 6 capsules per foot. Perforated 7286-7322 w/4 jets per foot.
- 8-28 - Pumped 1.53 BPM into perforations 7478-7486 @ 4500#; pumped 5 BPM into perforations 7410-7426 @ 4500#; perforations 7286-7322 would take fluid readily @ 2500#.
- 8-29 - Fractured well through casing using 5 Dowell Allison pumps. Used 160,000# 40-60 sand, 140,700 gal. water containing 160 sacks Dowell J-101 and 196 sacks calcium chloride. Treating pressure 3400-3000#. Instantaneous shut-in pressure 2100#. Average Injection Rate - 31 BPM. Used 5040 gal. for flush. Dropped 150 balls after 90,000#, 50 after 120,000# and 50 after 140,000#. First batch brought no pressure increase; second batch increased pressure 3200 to 3500#; third batch increased pressure 3250 to 3400#. Well unloaded by own pressure.
- 8-31 - Cleaned out with gas to 7439'.
- 9-1 - Set packer @ 7443' and pumped 6 BPM into zone 7478-7486 @ 5300#. Raised packer and pumped 6 BPM into zones @ 7478-7486 and 7410-7426 @ 3500#. Reset packer @ 7443' and frac'd through tubing with 8000# 40-60 sand and 11,760 gal. water. Flushed with 1764 gal. water. All water treated with J-101 and 1% calcium chloride. Used 2 Dowell Allison pumps. BHP - 5300#; TP - 5300-5500#; IP - 2300#; AIR - 8 BPM. Pulled tubing and well started flowing through casing. Gas volume was 1443 MCF after 43 hours.
- 9-3 - Perforated @ 3300 and 3038 w/4 holes @ each depth.
- 9-4 - Cemented 4 1/2" casing 3300-3038 w/75 sks Latex cement. Cleaned out to 3300'.
- 9-6 - Ran 5" OD Homo casing cutter to 2931' and cut and pulled 5" casing. Schlumberger perforated 3038 and 3053 w/4 jets per foot.
- 9-12 - Frac'd Pictured Cliffs sand 3038-3053 w/50,000# 10-20 sand and 23,310 gal. water containing 1% calcium chloride. Flushed w/5460 gal. water. BHP - 2500#; TP - 2500-1500#; ISIP - 1000#; AIR - 44.7 BPM. Ran 2 3/8" OD EUR, 4.7% Grd, J-55 Sals tubing to 2930'. A pinned coupling was run on bottom of tubing.
- 9-17 - After cleaning for 11 hours gas volume was 1297 MCF. Deadweight casing pressure 667" after well was shut in 13 hours.
- 9-19 - Moved in pulling unit and pulled tubing.
- 9-28 - Unloaded water, cleaned out sand, set 4 1/2" OD 11.6" to 13.5" Baker Model "D" Packer at 7159' and ran 1 1/2" EUR, 2.7%, J-55 tubing to 7153'.
- 9-29 - Ran 1 1/2" EUR, 2.7%, J-55 tubing to 2905'.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). **SUBMIT IN TRIPLICATE.**

AREA 640 ACRES
LOCATE WELL CORRECTLY

Lowry et al Operating Account

~~State E-291-25~~

Company or Operator

Well No. 6-233 in NW 1, of Sec. 16, T. 26N

R. 6W, N. M. P. M., Wildcat Field, Rio Arriba County.

Well is 77.5 feet south of the North line and 000 feet ^{East} ~~West~~ of the ~~East~~ line of ~~Section 16~~

If State land the oil and gas lease is No. 7-291-25 Assignment No. _____

If patented land the owner is _____, Address _____

If Government land the permittee is _____, Address _____

The Lessee is Tim G. Lowry, Address Albuquerque, New Mexico

Drilling commenced January 4, 1952. Drilling was completed January 25, 1952.

Name of drilling contractor Murray Gray Drilling Co., Address Farmington, New Mexico

Elevation above sea level at top of casing 6697 feet. G.L.

The information given is to be kept confidential until _____ 19____

OIL SANDS OR ZONES

No. 1, from 3035 to 3125 Gas No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.

No. 2, from _____ to _____ feet. _____

No. 3, from _____ to _____ feet. _____

No. 4. from _____ to _____ feet. _____

CASING RECORD

[illegible]

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	10 3/4	540	250	Plug	--	--
	7	3038	200	Plug	--	--

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
 Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
Dumped		S.N.C.	932 Qts.	2-15-52	3048-3125	3083

Results of shooting or chemical treatment Gas measured 35 MCF before shot and 555 MCF after shot.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from Surface feet to 3125 feet, and from _____ feet to _____ feet.
 Cable tools were used To clean out and shoot feet to _____ feet, and from 2948 feet to 3083 feet.

PRODUCTION

Put to producing _____, 19____ Well shut in waiting on pipe line.
 The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Be. _____
 If gas well, cu. ft. per 24 hours 555 MCF Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. 960

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD ON OTHER SIDE

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

Albuquerque, New Mexico March 24, 1952
 Name W. P. Williams Date _____
 Position Business Manager
 Representing Lowry et al Operating Account
 Company or Operator.
 Address Room 219 - 616 East Central Avenue
Albuquerque, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	142	142	Sand Rock
142	438	296	Sand & Shale
438	676	238	Sand
676	1370	694	Shale
1370	7530	1160	Sand & Shale
2530	2565	35	Shale
2565	3125	560	Sand & Shale
Top of Pictured Cliffs: 3035'.			

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19 73

Form CI22-A
 Revised 1-1-66

POOL NAME South Blanco	POOL SLOPE n= 85	FORMATION Pictured Cliffs	COUNTY Rio Arriba
---------------------------	---------------------	------------------------------	----------------------

COMPANY Caulkins Oil Company			WELL NAME AND NUMBER State "B" 233		
UNIT LETTER D	SECTION 16	TOWNSHIP 26N	RANGE 6W	PURCHASING PIPELINE Gas Company of New Mexico	
CASING O.D. - INCHES 7.000	CASING I.D. - INCHES 6.456	SET AT DEPTH - FEET 3038	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERP. - FEET 2905
GAS PAY ZONE FROM 3035 TO 3053		WELL PRODUCING THRU CASING No TUBING Yes		CAS GRAVITY .650	GRAVITY X LENGTH 1886
DATE OF FLOW TEST FROM 7-17-78 TO 7-25-78			DATE SHUT-IN PRESSURE MEASURED 8-1-78		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWI)	(b) Flowing Tubing Pressure (DWI)	(c) Flowing Meter Pressure (DWI)	(d) Flow Chart Static Reading	(e) Meter Error (Item c - Item d)	(f) Friction Loss (a - c) or (b - c)	(g) Average Meter Pressure (Integr.)
280	278	277	281	-4	1	270
(h) Corrected Meter Pressure (g + e)	(i) Avg. Wellhead Press. $P_h = (h + f)$	(j) Shut-in Casing Pressure (DWI)	(k) Shut-in Tubing Pressure (DWI)	(l) $P_c =$ higher value of (j) or (k)	(m) Del. Pressure $P_d =$ _____ % P_c	(n) Separator or Dehydrator Pr. (DWI) for critical flow only
266	267	307	307	307	246	-----

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 58	Quotient of $\frac{\text{Item c}}{\text{Item d}}$.9858	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$.9929	Corrected Volume Q = 58 MCF/D
---------------------------------	--	---	----------------------------------

WORKING PRESSURE CALCULATION

$(1 - e^{-R})$	$(P_c Q_m)^2 (1000)$	$R^2 = (1 - e^{-R}) (P_c Q_m)^2 (1000)$	P_t^2	$P_w^2 = P_t^2 + R^2$	$P_w = \sqrt{P_w^2}$
0.128	2.039	.261	71289	71,550	267

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$ 58	$\left[\frac{33,733}{22,699} \right]^n \left(\frac{1.4861}{1.4004} \right)^n =$ 81 MCF/D
---	--

REMARKS:

SUMMARY

Item h	266	Psia
P_c	307	Psia
Q	58	MCF/D
P_w	267	Psia
P_d	246	Psia
D	81	MCF/D

Company Caulkins Oil Company
 By Charles J. Jorgensen
 Title Supt.
 Witnessed By _____
 Company _____

C-116
Revised 1-1-55

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

During gas-oil 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.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing 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 301 and appropriate pool rules.

Amal & Ratan

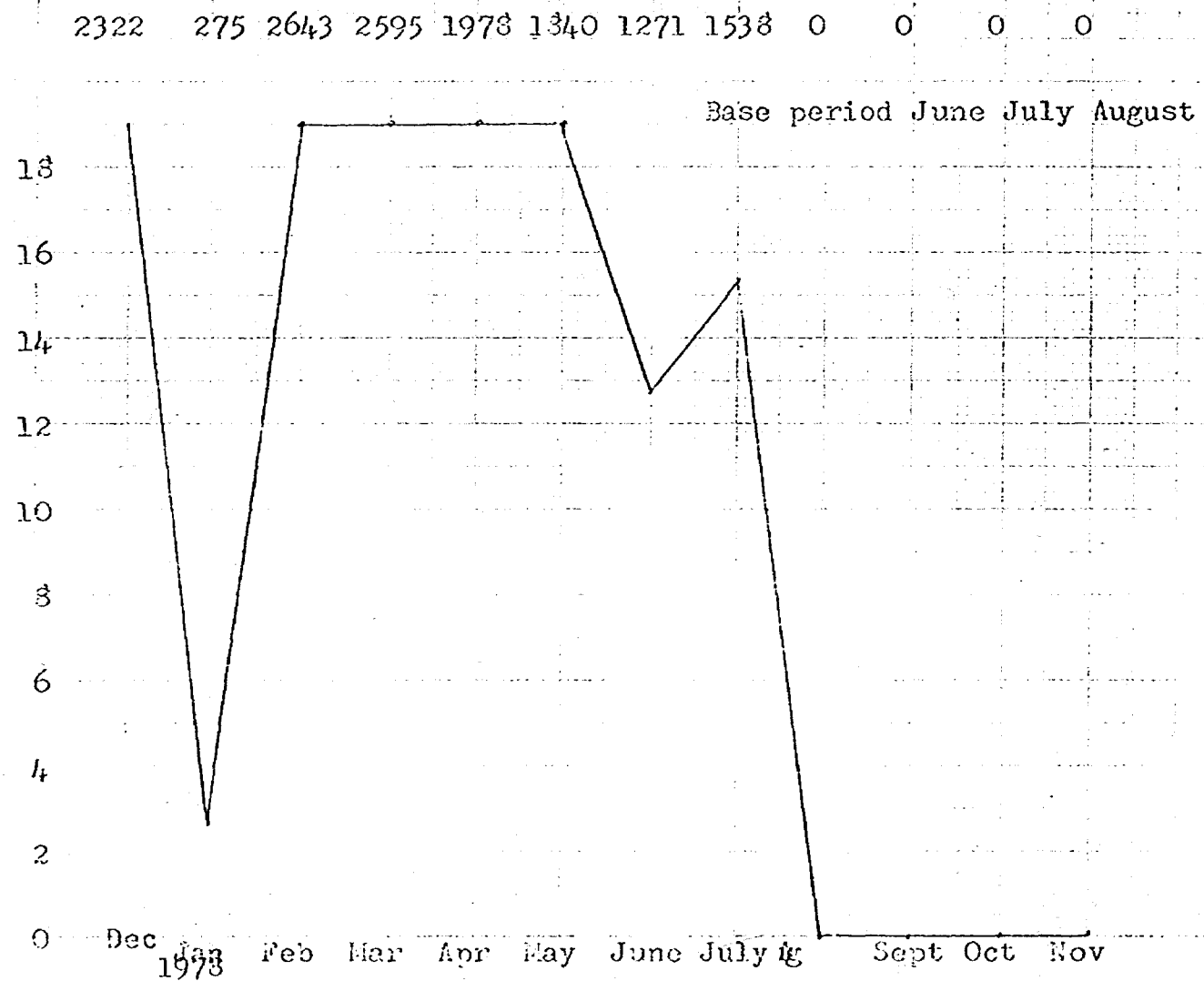
(Signature)

Arnold E. Raether, Treasurer

(Tilg)

(Date)

Rio Arriba County, New Mexico



State B 233

Rule #17

Paragraph 5: This well seasonally affected by high line pressure July, August, September & October. Mechanical difficulty prevented production in November. Well now on line.

Paragraph 8: Well Inventory

3038' 7" 20# J-55 Smls. Casing
2905' 1 1/4" 2.4# EUE Smls. Tubing
1/2 Dual Cameron Wellhead

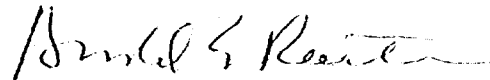
Rule #17

Paragraph 9:

Arnold E. Raether, Treasurer, Caulkins Oil Company, under oath hereby certifies that a diligent search of the records and files which were reasonably available was made and all information reviewed in connection with the herein described well and that he has concluded that to the best of his information, knowledge, and belief, the well qualifies as a stripper well.

Arnold E. Raether further attests that he has no knowledge of any other information which is inconsistent with his conclusion.

Sworn to this 15th day of February, 1979.



Arnold E. Raether, Treasurer
CAULKINS OIL COMPANY

STATE OF COLORADO)
) ss
COUNTY OF DENVER)

Before me the undersigned, a Notary Public, on this 15th day of February, 1979, personally appeared Arnold E. Raether, Treasurer of Caulkins Oil Company, to me known to be the identical person who executed the foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

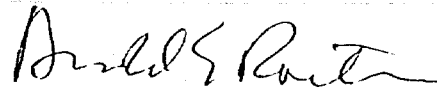
My Commission Expires:
December 6, 1980


Notary Public

ATTACHMENT TO FORM FERC-121 & C-132

I hereby certify that Caulkins Oil Company has mailed or delivered notification of the filing of the Form FERC-121 and Form C-132 to all working interest owners and to all parties to the gas purchase contract.

Attached is a list of those parties.



Arnold E. Raether, Treasurer
Caulkins Oil Company

February 21, 1979

CAULKINS OIL COMPANY

WORKING INTEREST OWNERS &
PARTIES TO GAS PURCHASE CONTRACT

Breech Equities
17344 W. Twelve Mile Road
Southfield, Michigan 48076

Caulkins Producing Company
1600 Broadway, Suite 2100
Denver, Colorado 80202

Depco, Inc.
1025 Petroleum Club Building
Denver, Colorado 80202

Husky Oil Company
P. O. Box 380
Cody, Wyoming 82414

Harold C. Johns
Park Motor Sales Company
18100 Woodward Avenue
Detroit, Michigan 48203

Kenoil Corporation
200 Park Avenue, Room 3021
New York, New York 10017

Lorena Mayer Nidorf
c/o Mr. Myron S. Fox
9441 Wilshire Boulevard, Suite 616
Beverly Hills, California 90212

Marion S. Thomas & Robert W. Thomas,
as Trustees of the Marion S. Thomas
Trust
4034 W. Lawrence Avenue
Chicago, Illinois 60630

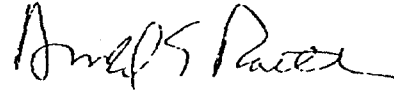
Paul A. Thomas, Jr. Trust of 9-1 8-73
4034 W. Lawrence Avenue
Chicago, Illinois 60630

George H. Zimmerman, Trustee for
Doris Zimmerman
220 Bagley Avenue, Suite 408
Detroit, Michigan 48226

Gas Company of New Mexico
1508 Pacific Avenue
Dallas, Texas 75270

Attachment to Form FERC 121 and C-132

I hereby certify that Caulkins Oil Company has given notice of each Application for Determination of the Maximum Lawful Price Under the Natural Gas Policy Act of 1978 to the public through the Farmington Daily Times, Farmington, New Mexico. The approximate date of publication was Monday, February 26, 1979.



Arnold E. Raether, Treasurer
Caulkins Oil Company



STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

JERRY APODACA
COMMISSIONER

NICK FRANKLIN
SECRETARY

POST OFFICE BOX 2000
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-2434

Caulkins Oil Co.
1600 Broadway - Suite 2100
Denver, CO 80202

Case 6540

Re: Wellhead price ceiling
determination, NGPA of
1978

Gentlemen:

The New Mexico Oil Conservation Division has received your application for a wellhead price ceiling category determination under the section(s) of the Natural Gas Policy Act of 1978 indicated below. If your application is incomplete, forms are attached hereto, indicating the documents and further information which must be filed before your application can be considered. If your application is complete, it will be acted upon administratively unless written objection is received within 15 days of its filing.

WELL NAME AND LOCATION State B # 233 D-16-26N-6W

SECTION(S) APPLIED FOR 108

DATE APPLICATION RECEIVED 2-26-79

APPLICATION INCOMPLETE ✓

Sincerely,

DATE: 4-12-79

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT
OIL CONSERVATION DIVISION

POST OFFICE BOX 2006
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 627-2434

The following Oil Conservation Division and/or Federal Energy Regulatory Commission regulations were not satisfied by your application for determination. Please review the regulations checked below and supply the necessary information.

SECTION	OCD RULE ORDER R-5878	CORRESPONDING FERC RULE	OCD RULE ORDER R-5878	CORRESPONDING FERC RULE
GENERAL	1.	274.201 (e)	2.	274.201 (c)
<u>102</u> NEW NATURAL GAS	13. 1. a.	274.202 (c) (1) (i)	14. 1.	274.202 (d) (1) (i)
	" 1. c.	" (c) (1) (iv)	" 3.	" (d) (1) (ii)
	" 1. d.	" (c) (1) (v)	" 4.	" (d) (1) (v)
	" 2. a.	" (c) (2) (i)	" 5. (a)	" (d) (2) (i)
	" 2. c.	" (c) (2) (iii)	" 5. (b)	" (d) (2) (ii) (A)
	" 2. d.	" (c) (2) (iv)	" 5. (c)	" (d) (2) (ii) (B)
	" 2. e.	" (c) (2) (vi)	" 5. (d)	" (d) (2) (ii) (C)
			6.	" (d) (2) (ii) (D)
<u>103</u> NEW ONSHORE PRODUCTION WELLS	15. 1.	274.204 (a)	15. 5.	274.204 (d)
	" 4.	" (c)	" 6.	" (f)
<u>107</u> HIGH-COST GAS	16. 1.	274.205 (a)	16. 5.	274.205 (d)
	" 3.	" (b)	" 6.	" (e)
	" 4.	" (c)		
<u>108</u> STRIPPER GAS	17. 1.	274.206 (a) (1)	18. 3.	274.206 (c) (2)
	" 4.	" (a) (2)	" 4.	" (c) (3)
	" 5.	" (a) (3)	" 5.	" (c) (4)
	" 6.	" (a) (4)	19. 3.	" (d) (2)
	" 7.	" (a) (5)	" 4.	" (d) (3)
	" 8.	" (a) (6)	" 5.	" (d) (4)
	" 9.	" (a) (7)	" 6.	" (d) (5)
	" 10.	" (a) (8)		

OTHER REQUIREMENTS NOT MET

Must have 90 days of production in application.
Must also have 12 consecutive months of
production or other way to establish MER.
We are setting this for hearing for May 9

NEW MEXICO OIL CONSERVATION DIVISION
P. O. Box 2080, Santa Fe, New Mexico 87501

APPLICATION FOR WELLHEAD
PRICE CEILING CATEGORY DETERMINATION

1. FOR DIVISION USE ONLY

DATE OF: APPLICATION _____

DETERMINATION _____

CONTESTED _____

PARTICIPANTS _____

2. Name of Operator

Caulkins Oil Company

3. Address of Operator

1600 Broadway, Suite 2100, Denver, Colorado 80202

4. Location of Well

UNIT LETTER D 980 FEET FROM THE West LINE AND 1145 FEET FROMTHE North LINE, SECTION 16 TOWNSHIP 26N RANGE 6W NMPM.

13. Name and Address of Transporter(s)

Gas Company of New Mexico, 1508 Pacific Ave., Dallas, Texas 75270

Kind of Lease
State, Federal or Free State

E 291-25

State B

233

12. Pool and Pool, or Unit:
South Blanco PC

14. County

Rio Arriba

WELL CATEGORY INFORMATION

Check appropriate box for category sought and information submitted.

- ☒ 1. Category(ies) Sought (By NGPA Section No.) 108
2. All Applications must contain:
- ☒ a. C-101 APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK
- ☒ b. C-105 WELL COMPLETION OR RECOMPLETION REPORT AND LOG
- ☐ c. DIRECTIONAL DRILLING SURVEY, IF REQUIRED UNDER RULE 111
- ☒ d. AFFIDAVITS OF MAILING OR DELIVERY
- ☐ 3. NEW NATURAL GAS UNDER SEC. 102(c)(1)(B) (using 2.5 Mile or 1000 Feet Deeper Test)
- ☐ a. Location Plat
- ☐ 4. NEW NATURAL GAS UNDER SEC. 102(c)(1)(C) (new onshore reservoir)
- ☐ a. C-122 Multipoint and one point back pressure test
- ☐ 5. NEW ONSHORE PRODUCTION WELL
- ☐ a. C-102 WELL LOCATION AND ACREAGE DEDICATION PLAT
- ☐ b. No. of order authorizing infill program _____
- ☒ 6. STRIPPER GAS
- ☒ a. C-116 GAS-OIL RATIO TEST
- ☒ b. PRODUCTION CURVE FOR 12-MONTH PERIOD PRECEDING DECEMBER 1, 1978.
- ☒ c. PRODUCTION CURVE FOR THE 90-DAY PERIOD ON WHICH THE APPLICATION IS BASED

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

NAME: Arnold E. RaetherSIGNED: Arnold E. RaetherTITLE: TreasurerDATE: February 8, 1979

APPROVED: _____, EXAMINER

RECEIVED
FEB 26 1979
Oil Conservation

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)
(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	-	New onshore production well
107	-	High cost natural gas
108	-	Stripper well

Other Purchasers/Contracts:Contract Date
(Mo. Day Yr.)

Purchaser:

Buyer Code

RECEIVED
FEB 26 1979
Oil Conservation

Remarks:

1.0 API well number: (If not available, leave blank. 14 digits.)				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	108 Section of NGPA		Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	_____ feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Caulkins Oil Company Name 1600 Broadway, Suite 2100 Street Denver City Colo. State 80202 Zip Code Seller Code:			
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	South Blanco Pictured Cliffs Field Name Rio Arriba County New Mexico State			
(b) For OCS wells:	Area Name Block Number Date of Lease: _____ Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)	State B 233			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)				
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	Gas Company of New Mexico Name Buyer Code			
(b) Date of the contract:	_____ Mo. Day Yr.			
(c) Estimated annual production:	_____ MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices (Indicate (+) or (-).)	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	1.528	_____	_____	_____
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	1.440	_____	_____	_____
9.0 Person responsible for this application:	Arnold E. Raether Name Signature _____ Date Application is Completed _____ Title Treasurer (303) 861-4230 Phone Number			
Agency Use Only				
Date Received by Juris. Agency				
Date Received by FERC				

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

Form C-101
Revised (12/1/55)

NOTICE OF INTENTION TO DRILL

Notice must be given to the District Office of the Oil Conservation Commission and approval obtained before drilling or recompletion begins. If changes in the proposed plan are considered advisable, a copy of this notice showing such changes will be returned to the sender. Submit this notice in QUINTUPPLICATE. One copy will be returned following approval. See additional instructions in Rules and Regulations of the Commission. If State Land submit 6 Copies Attach Form C-128 in triplicate to first 3 copies of form C-101

Farmington, New Mexico

(Place)

August 1, 1960

(Date)

(This report corrects C-101 filed July 21/60)

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO

Gentlemen:

Deepening

You are hereby notified that it is our intention to commence the Drilling of a well to be known as
Caulkins Oil Company

State "B"

(Lease)

(Company, or Operator)

Well No. 1D-233

D

(Unit)

The well is

located 900 feet from the West line and 1145 feet from the North line of Section 16, T. 26N, R. 6W, NMPM.

(GIVE LOCATION FROM SECTION LINE) South Blanco Pool, Rio Arriba County

If State Land the Oil and Gas Lease is No. E-225-25

If patented land the owner is

Address

We propose to drill well with drilling equipment as follows: Gas drill with rotary drilling equipment from present depth of 3125' to 7650'.

The status of plugging bond is none

Drilling Contractor Flooper Drilling Company

We intend to complete this well in the Pictured Cliffs and Dakota formation at an approximate depth of 7650 feet.

CASING PROGRAM

We propose to use the following strings of Casing and to cement them as indicated:

Size of Hole	Size of Casing	Weight per Foot	New or Second Hand	Depth	Cement
13"	10-3/4"	40.5	SH	540'	250 #
8-3/4"	7"	20.0	New	3038'	200 #
6 1/2"	5"	15.0	New	0 to 3000'	None
6 1/2"	4 1/2"	11.6	New	3000 to 7650'	250

If changes in the above plans become advisable we will notify you immediately. * Already in well.

ADDITIONAL INFORMATION (If recompletion give full details of proposed plan of work.) This well is presently producing from Pictured Cliffs sand. 7" CD 20% casing is cemented at 3038 and the total depth is 3125'. For Commission order #1627, dated 2-11-60, we propose to deepen the above described well to approximately 7650' or through the Dakota producing interval. This hole will be made by gas drilling. The following casing and cementing program will be used:

Approved: S. 2, 1960
Except as follows:

Sincerely yours,

(over)

OIL CONSERVATION COMMISSION

By: *Ernest C. Clark*

Caulkins Oil Company
(Company or Operator)
By: *Frank O. Gray*
Position: Production Foreman
Send Communications regarding well to
Name: Frank O. Gray
Address: Box 700, Farmington, New Mexico

4 1/2" OD, 11.6# J-55 This casing 2000' to 7650'
 5" OD, 15# J-55 This casing 0 to 2000'

This string shall be cemented with 200 sacks 12% Bentonite cement, containing 12 1/2% Gilsenite per sack, followed by 50 sacks neat cement containing 12 1/2% Gilsenite per sack.

The Dakota and Pictured Cliffs sands will be sand water fractured. After the Dakota fracturing operation is completed the 4 1/2" casing will be temporarily plugged at approximately 7100' and the 5" casing will be cut and pulled from approximately 2950'. A Baker Model D Packer will be set near the top of the Graneros perforations and a string of 2 3/8" OD EUE tubing, latched in it. A string of 1 1/2" EUE tubing will be run for Pictured Cliffs production.

This well is presently on Oil Conservation Commission records as State "B" FC-233.

STATE OF NEW MEXICO	
OIL CONSERVATION COMMISSION	
ADJUTANT GENERAL'S OFFICE	
NUMBER OF COPIES RECEIVED	
7	
DATE RECEIVED	
JAN 11 1955	
FILE	
U.S. DEPT. OF THE INTERIOR	
LAND OFFICE	
TRANSFERRER	
OIL	
6-5	
PRODUCTION OFFICE	
OPERATION	

Santa Fe, New Mexico

WELL RECORD

Mail to District Office, Oil Conservation Commission, to which Form C-101 was sent not later than twenty days after completion of well. Follow instructions in Rules and Regulations of the Commission. Submit in QUINTUPPLICATE. If State Land submit 6 Copies

AREA 640 ACRES
LOCATE WELL CORRECTLY

CABLE NEWS OIL COMPANY
(Company or Operator)

SEATE "B"
(Lease)

Well No. 21-273, in NW 1/4 of NW 1/4, of Sec. 16, T. 26N, R. 6W, N34PM.

.....South Blanco.....Pool,.....Rio Arriba.....County.

Well is 900 feet from West line and 1143 feet from North line

of Section 16 If State Land the Oil and Gas Lease No. is 5-295-25

Workover
DUES Commenced..... **7-23** 19 **60** **DUES** was Completed..... **9-29** 19 **60**

Name of Drilling Contractor..... **Flooper Drilling Company**

Address.....271 Meadows Building, Dallas 6, Texas

Elevation above sea level at Top of Tubing Head.....6697 O.L...... The information given is to be kept confidential until
....., 19.....

TOPS OF OIL SANDS OR ZONES

No. 1, from	Flotured Cliffs	to	3021	No. 4, from	Greenhorn	to	2100
	Cliff House		4740				
No. 2, from	Point Lookout	to	5970	No. 5, from	Graneros Shale	to	7243
No. 3, from	Tocito	to	6883	No. 6, from	Dakota	to	7275

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from to feet.

No. 2, from _____ to _____ feet.

No. 3, from _____ to _____ feet.

No. 4, from to feet.

CASING RECORD

SIZE	WEIGHT PER FOOT	NEW OR USED	AMOUNT	KIND OF SHOE	CUT AND PULLED FROM	PERFORATIONS	PURPOSE
10 3/4	40.5	Used	540'			See	Surface
7"	20	New	2020'			History	Production
5"	15	New	0-2937'		0-2931'	Attached	
4 1/2"	11.6	New	2937-7645	Por.			Production

*Already in well

MUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
13"	10 3/4"	540*	250			
8 3/4"	7"	3037	200			
6 1/4"	5"	2937)	375			
6 1/4"	4 1/2"	7644)				

RECORD OF PRODUCTION AND STIMULATION

(Record the Process used, No. of Qts. or Gals. used, interval treated or shot.)

Orig: 6 4 001 37000

00: A: 11

International

Result of Production Stimulation..... 500 - Dallas

...Depth Cleaned Out.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto

TOOLS USED

Rotary tools were used from 3125 feet to 7650 feet, and from feet to feet.
Cable tools were used from feet to feet, and from feet to feet.

PRODUCTION

Put to Producing, 19.
OIL WELL: The production during the first 24 hours was barrels of liquid of which % was
was oil; % was emulsion; % water; and % was sediment. A.P.I.
Gravity.
GAS WELL: The production during the first 24 hours was M.C.F. plus barrels of
liquid Hydrocarbon. Shut in Pressure lbs.
Length of Time Shut in

PLEASE INDICATE BELOW FORMATION TOPS (IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE):

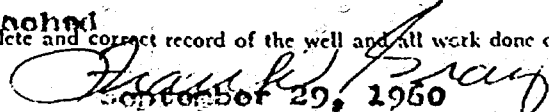
Southeastern New Mexico		Northwestern New Mexico	
T. Anhy	T. Devonian	T. Ojo Alamo	
T. Salt	T. Silurian	T. Kirtland-Fruitland	
B. Salt	T. Montoya	T. Farmington	
T. Yates	T. Simpson	T. Pictured Cliffs 3035	
T. 7 Rivers	T. McKee	T. Cliff House 4740	
T. Queen	T. Ellenburger	T. Menefee	
T. Grayburg	T. Gr. Wash	T. Point Lookout 5370	
T. San Andres	T. Granite	T. Mancosch 5985	
T. Glorieta	T.	T. Mesquite 7100	
T. Drinkard	T.	T. Dakota 7275	
T. Tubbs	T.	T. Craneros - 7243	
T. Abo	T.	T. Morrison	
T. Penn	T.	T. Penn	
T. Miss	T.	T.	

FORMATION RECORD

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
3125	3155	30					
3155	4660	1505	Sand & Shale				
4660	4754	94	Shale				
4754	5362	608	Sand, Shale & Coal				
5362	7420	2068	Sand & Shale				
7420	7650	220	Sand				

ATTACH SEPARATE SHEET IF ADDITIONAL SPACE IS NEEDED

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

Well History Attached

 September 29, 1950
 (Date)

Company or Operator. Caulkins Oil Company Address. Box 780, Farmington, New Mexico
 Name. Title. Field Superintendent

WELL HISTORY

- 8-7 - TC - 7650'.
- 8-8 - Ran Schlumberger Induction, Gamma Ray and Temperature Logs.
- 8-9 - Ran 5" OD, 15' casing 0' to 2957' and 4 1/2" OD, 11.6' casing 2957' to 7544'. Cemented through shoe with 200 sacks 12 1/2 Bentonite cement, containing 12 1/2% Gilsenite per sack, plus 50 sacks Latex cement. Multi-stage cementing collars were used in the 4 1/2" portion of the string at 3290' and 2987'.
- 8-18 - Drilled DV Collar @ 2987'. Tested casing w/2500#. Hold ok.
- 8-20 - Cleaned out to 7590'.
- 8-21 - Ran Comoton log to 7590'.
- 8-22 - Perforated 4 holes @ 7574' and 4 holes @ 7340'. Ran Halliburton BH Squeeze Packer to 7510'. Cemented 4 1/2" casing 7340'-7574' w/50 sacks Latex cement. Reversed cement out with tubing @ 7270' getting 2 bbls cement back.
- 8-23 - Casing hold 3000# pressure ok. Pulled tubing and perforated @ 7250' w/4 holes. Formation broke from 4500# to 2000# pumping 6 BPM.
- 8-24 - Cemented perforations @ 7250' w/15 sacks latex cement. Final pressure - 4100#.
- 8-25 - Drilled out cement and squeeze packer. Tested perforations @ 7250'. Hold ok @ 3300#. Drilled cement out to 7510'. Tested casing @ 7510' and found it would take fluid @ 2500#.
- 8-26 - Lane-Wells perforated 7478-7486 and 7410-7426 using 6 capsules per foot. Perforated 7286-7322 w/4 jets per foot.
- 8-28 - Pumped 1.53 BPM into perforations 7478-7486 @ 4500#; pumped 5 BPM into perforations 7410-7426 @ 4500#; perforations 7286-7322 would take fluid readily @ 2500#.
- 8-29 - Fractured well through casing using 5 Dowell Allison pumps. Used 160,000# 40-60 sand, 140,700 gal. water containing 160 sacks Dowell J-101 and 196 sacks calcium chloride. Treating pressure 3400-3000#. Instantaneous shut-in pressure 2100#. Average Injection Rate - 31 BPM. Used 5040 gal. for flush. Dropped 160 balls after 90,000#, 50 after 120,000# and 50 after 140,000#. First batch brought no pressure increase; second batch increased pressure 3200 to 3500#; third batch increased pressure 3250 to 3400#. Well unloaded by own pressure.
- 8-31 - Cleaned out with gas to 7439'.
- 9-1 - Set packer @ 7443' and pumped 6 BPM into zone 7478-7486 @ 5300#. Raised packer and pumped 6 BPM into zones @ 7478-7486 and 7410-7426 @ 3500#. Reset packer @ 7443' and frac'd through tubing with 8000# 40-60 sand and 11,760 gal. water. Flushed with 1764 gal. water. All water treated with J-101 and 1% calcium chloride. Used 2 Dowell Allison pumps. BHP - 5300#; TP - 5300-5500#; IP - 2800#; AIR - 8 BPM. Pulled tubing and well started flowing through casing. Gas volume was 1443 MCF after 43 hours.
- 9-3 - Perforated @ 3300 and 3038 w/4 holes @ each depth.
- 9-4 - Cemented 4 1/2" casing 3300-3038 w/75 sks Latex cement. Cleaned out to 3300'.
- 9-6 - Ran 5" OD Homco casing cutter to 2931' and cut and pulled 5" casing. Schlumberger perforated 3038 and 3053 w/4 jets per foot.
- 9-12 - Frac'd Pictured Cliffs sand 3038-3053 w/50,000# 10-20 sand and 23,310 gal. water containing 1% calcium chloride. Flushed w/5460 gal. water. BHP - 2500#; TP - 2500-1500#; ISIP - 1000#; AIR - 44.7 BPM. Ran 2 3/8" OD BUE, 4.7" Grd, J-55 Sals tubing to 2930'. A pinned coupling was run on bottom of tubing.
- 9-17 - After cleaning for 11 hours gas volume was 1297 MCF. Deadweight casing pressure 667# after well was shut in 13 hours.
- 9-19 - Moved in pulling unit and pulled tubing.
- 9-28 - Unloaded water, cleaned out sand, set 4 1/2" @ 11.6' to 13.5' Baker Model "P" Packer at 7139' and ran 1 1/2" BUE, 2.7", J-55 tubing to 7138'.
- 9-29 - Ran 1 1/2" BUE, 2.7", J-55 tubing to 2905'.

NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). **SUBMIT IN TRIPLICATE.**

AREA 040 ACRES
LOCATE WELL CORRECTLY

Lowry et al Operating Account

~~State E-291-25~~

Company or Operator

Well No. 6-233 in HH/1 of Sec. 16, T. 26N

R. 6W, N. M. P. M., Wildcat Field, Rio Arriba County.

Well is 774.5 feet south of the North line and 0.00 feet ^{East} ~~West~~ of the ^{East} ~~West~~ line of Section 16

If State land the oil and gas lease is No. 11-291-25 Assignment No. _____

If patented land the owner is _____, Address _____

If Government land the permittee is _____, Address _____

The Lessee is Tina G. Lowry, Address Albuquerque, New Mexico

Drilling commenced January 4, 1952. Drilling was completed January 25, 1952.

Name of drilling contractor Murray Gray Drilling Co., Address Farmington, New Mexico

Elevation above sea level at top of casing 6697 feet. G.L.

The information given is to be kept confidential until _____ 19____.

OIL SANDS OR ZONES

No. 1, from 3035 to 3125 Gas No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from _____ to _____ feet.

No. 2, from _____ to _____ feet. _____

No. 3, from _____ to _____ feet.

No. 4. from _____ to _____ feet.

CASING RECORD

[illegible]

NUDDING AND CEMENTING RECORD

SIZE OF HOLE	SIZE OF CASING	WHERE SET	NO. SACKS OF CEMENT	METHOD USED	MUD GRAVITY	AMOUNT OF MUD USED
	10 3/4	540	250	Plug	-	-
	7	3038	200	Plug	-	-

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth Set _____
 Adapters—Material _____ Size _____

RECORD OF SHOOTING OR CHEMICAL TREATMENT

SIZE	SHELL USED	EXPLOSIVE OR CHEMICAL USED	QUANTITY	DATE	DEPTH SHOT OR TREATED	DEPTH CLEANED OUT
Dumped		S.N.C.	932 Qts.	2-15-52	3048-3125	3083

Results of shooting or chemical treatment. Gas measured 35 MCF before shot and 555 MCF after shot.

RECORD OF DRILL-STEM AND SPECIAL TESTS

If drill-stem or other special tests or deviation surveys were made, submit report on separate sheet and attach hereto.

TOOLS USED

Rotary tools were used from Surface feet to 3125 feet, and from _____ feet to _____ feet.
 Cable tools were used ~~from~~ To clean out and shoot feet to _____ feet, and from 2948 feet to 3083 feet.

PRODUCTION

Put to producing _____, 19____ Well shut in waiting on pipe line.
 The production of the first 24 hours was _____ barrels of fluid of which _____ % was oil; _____ % emulsion; _____ % water; and _____ % sediment. Gravity, Ba _____
 If gas well, cu. ft. per 24 hours 555 MCF Gallons gasoline per 1,000 cu. ft. of gas _____
 Rock pressure, lbs. per sq. in. 960

EMPLOYEES

_____, Driller _____, Driller
 _____, Driller _____, Driller

FORMATION RECORD ON OTHER SIDE

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

Albuquerque, New Mexico March 24, 1952
 Name W. P. Linder Date _____
 Position Business Manager
 Representing Lowry et al Operating Account
 Company or Operator.
 Address Room 219 - 616 East Central Avenue
Albuquerque, New Mexico

FORMATION RECORD

FROM	TO	THICKNESS IN FEET	FORMATION
0	142	142	Sand Rock
142	438	296	Sand & Shale
438	676	238	Sand
676	1370	694	Shale
1370	7530	1160	Sand & Shale
2530	2565	35	Shale
2565	3125	560	Sand & Shale
Top of Pictured Cliffs: 3035'.			

NEW MEXICO OIL CONSERVATION COMMISSION
WELL DELIVERABILITY TEST REPORT FOR 19.73

Form C122-A
 Revised 1-1-66

POOL NAME South Blanco	POOL SLOPE n= 85	FORMATION Pictured Cliffs	COUNTY Rio Arriba
---------------------------	---------------------	------------------------------	----------------------

COMPANY Caulkins Oil Company			WELL NAME AND NUMBER State "B" 233		
UNIT LETTER D	SECTION 16	TOWNSHIP 26N	RANGE 6W	PURCHASING PIPELINE Gas Company of New Mexico	
CASING O.D. - INCHES 7.000	CASING I.D. - INCHES 6.456	SET AT DEPTH - FEET 3038	TUBING O.D. - INCHES 1.660	TUBING I.D. - INCHES 1.380	TOP - TUBING PERF. - FEET 2905
GAS PAY ZONE FROM 3035 TO 3053		WELL PRODUCING THRU CASING No TUBING Yes		GAS GRAVITY .650	GRAVITY X LENGTH 1886
DATE OF FLOW TEST FROM 7-17-78 TO 7-25-78			DATE SHUT-IN PRESSURE MEASURED 8-1-78		

PRESSURE DATA - ALL PRESSURES IN PSIA

(a) Flowing Casing Pressure (DWt) 280	(b) Flowing Tubing Pressure (DWt) 278	(c) Flowing Meter Pressure (DWt) 277	(d) Flow Chart Static Reading 281	(e) Meter Error (Item c - Item d) -4	(f) Friction Loss (a - c) or (b - c) 1	(g) Average Meter Pressure (Integr.) 270
(h) Corrected Meter Pressure (g + e) 266	(i) Avg. Wellhead Press. $P_i = (h + f)$ 267	(j) Shut-In Casing Pressure (DWt) 307	(k) Shut-In Tubing Pressure (DWt) 307	(l) P_c = Higher value of (j) or (k) 307	(m) Del. Pressure $P_d = \frac{80}{246} P_c$	(n) Separator or Dehydrator Pr. (DWt) for critical flow only -----

FLOW RATE CORRECTION (METER ERROR)

Integrated Volume - MCF/D 58	Quotient of $\frac{\text{Item c}}{\text{Item d}}$.9858	$\sqrt{\frac{\text{Item c}}{\text{Item d}}}$.9929	Corrected Volume Q = 58 MCF/D
---------------------------------	--	---	----------------------------------

WORKING PRESSURE CALCULATION

$(1 - e^{-x})$ 0.128	$(P_c Q_m)^2 (1000)$ 2.039	$R^2 = (1 - e^{-x}) (P_c Q_m)^2 (1000)$.261	P_t^2 71289	$P_w^2 = P_t^2 + R^2$ 71,550	$P_w = \sqrt{P_w^2}$ 267
-------------------------	-------------------------------	---	------------------	---------------------------------	-----------------------------

DELIVERABILITY CALCULATION

$D = Q \left[\frac{P_c^2 - P_d^2}{P_c^2 - P_w^2} \right]^n =$	58	$\left[\frac{33,733}{22,699} \right]^n =$	$\left(\frac{1.4861}{1.4004} \right)^n =$	1.4004	= 81 MCF/D
--	----	--	--	--------	------------

REMARKS:

SUMMARY

Item h	266	Psia
P_c	307	Psia
Q	58	MCF/D
P_w	267	Psia
P_d	246	Psia
D	81	MCF/D

Company Caulkins Oil Company
 By Charles Burgess
 Title Supt.
 Witnessed By _____
 Company _____

NEW MEXICO OIL CONSERVATION COMMISSION
GAS-OIL RATIO TESTS

C-116
Revised 1-1-65

Operator Caulkins Oil Company		Pool South Blanco Pictured Cliffs				County Rio Arriba											
Address 1600 Broadway, Suite 2100, Denver, Colorado 80202						TYPE OF TEST - (X) <input checked="" type="checkbox"/>		Scheduled <input type="checkbox"/>		Completion <input type="checkbox"/>		Special <input type="checkbox"/>					
LEASE NAME	WELL NO.	LOCATION				DATE OF TEST	STATUS	CHOKE SIZE	TUB. PRESS.	DAILY ALLOWABLE	LENGTH OF TEST HOURS	PROD. DURING TEST				GAS - OIL RATIO CU.FT./BBL.	
		U	S	T	R							WATER BBLs.	GRAV. OIL	OIL BBLs.	GAS M.C.F.		
State B	233	D	16	26N	6W			<u>GAS</u>	<u>WELL</u>	NO	TEST	REQUIRED					

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

During gas-oil 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.

Gas volumes must be reported in MCF measured at a pressure base of 15.025 psia and a temperature of 60° F. Specific gravity base will be 0.60.

Report casing 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 301 and appropriate pool rules.

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

Arnold E. Raether

(Signature)

Arnold E. Raether, Treasurer

January 8, 1973

(Date)

South Blanco Pictured Cliffs

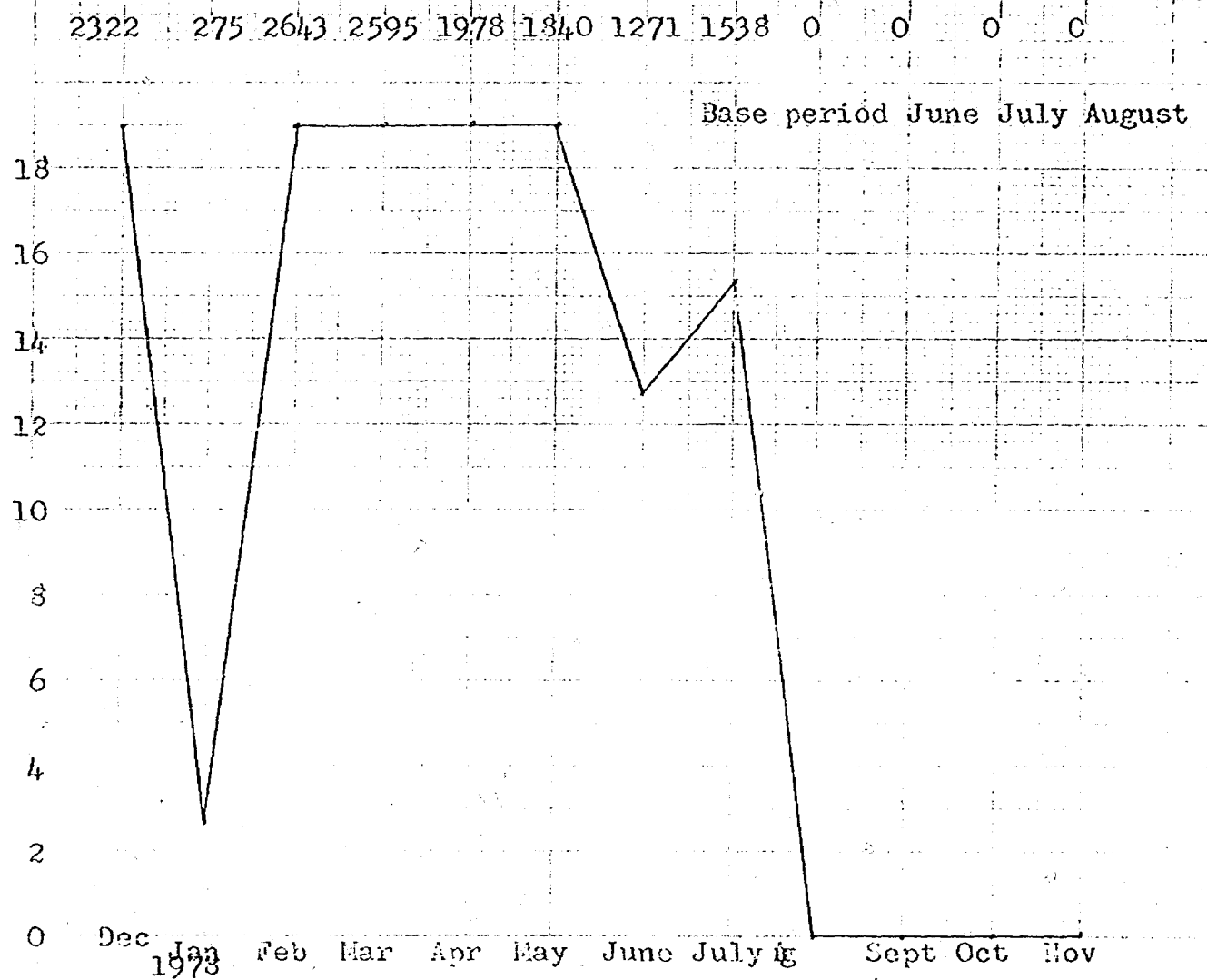
State B 233

NW $\frac{1}{4}$ Section 16 26N 6W

Rio Arriba County, New Mexico

46 1473

10 X 10 TO 1 INCH • 1/2 X 10 INCHES
J. L. DUFFELL & SONS CO. WOODBRIDGE



State B 233

Rule #17

Paragraph 5: This well seasonally affected by high line pressure July, August, September & October. Mechanical difficulty prevented production in November. Well now on line.

Paragraph 8: Well Inventory

3038' 7" 20# J-55 Smls. Casing
2905' 1 1/4" 2.4# EUE Smls. Tubing
1/2 Dual Cameron Wellhead

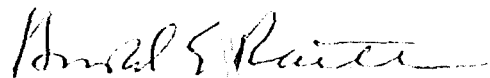
Rule #17

Paragraph 9:

Arnold E. Raether, Treasurer, Caulkins Oil Company, under oath hereby certifies that a diligent search of the records and files which were reasonably available was made and all information reviewed in connection with the herein described well and that he has concluded that to the best of his information, knowledge, and belief, the well qualifies as a stripper well.

Arnold E. Raether further attests that he has no knowledge of any other information which is inconsistent with his conclusion.

Sworn to this 15th day of February, 1979.



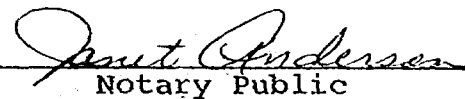
Arnold E. Raether, Treasurer
CAULKINS OIL COMPANY

STATE OF COLORADO)
) ss
COUNTY OF DENVER)

Before me the undersigned, a Notary Public, on this 15th day of February, 1979, personally appeared Arnold E. Raether, Treasurer of Caulkins Oil Company, to me known to be the identical person who executed the foregoing instrument and acknowledged to me that he executed the same as his free and voluntary act and deed for the uses and purposes therein set forth.

Given under my hand and seal the day and year last above written.

My Commission Expires:
December 6, 1980


Notary Public

ATTACHMENT TO FORM FERC-121 & C-132

I hereby certify that Caulkins Oil Company has mailed or delivered notification of the filing of the Form FERC-121 and Form C-132 to all working interest owners and to all parties to the gas purchase contract.

Attached is a list of those parties.



Arnold E. Raether, Treasurer
Caulkins Oil Company

February 21, 1979

CAULKINS OIL COMPANY

WORKING INTEREST OWNERS &
PARTIES TO GAS PURCHASE CONTRACT

Breech Equities
17344 W. Twelve Mile Road
Southfield, Michigan 48076

Caulkins Producing Company
1600 Broadway, Suite 2100
Denver, Colorado 80202

Depco, Inc.
1025 Petroleum Club Building
Denver, Colorado 80202

Husky Oil Company
P. O. Box 380
Cody, Wyoming 82414

Harold C. Johns
Park Motor Sales Company
18100 Woodward Avenue
Detroit, Michigan 48203

Kenoil Corporation
200 Park Avenue, Room 3021
New York, New York 10017

Lorena Mayer Nidorf
c/o Mr. Myron S. Fox
9441 Wilshire Boulevard, Suite 616
Beverly Hills, California 90212

Marion S. Thomas & Robert W. Thomas,
as Trustees of the Marion S. Thomas
Trust
4034 W. Lawrence Avenue
Chicago, Illinois 60630

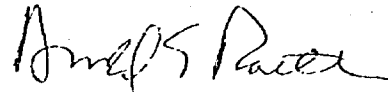
Paul A. Thomas, Jr. Trust of 9-1 8-73
4034 W. Lawrence Avenue
Chicago, Illinois 60630

George H. Zimmerman, Trustee for
Doris Zimmerman
220 Bagley Avenue, Suite 408
Detroit, Michigan 48226

Gas Company of New Mexico
1508 Pacific Avenue
Dallas, Texas 75270

Attachment to Form FERC 121 and C-132

I hereby certify that Caulkins Oil Company has given notice of each Application for Determination of the Maximum Lawful Price Under the Natural Gas Policy Act of 1978 to the public through the Farmington Daily Times, Farmington, New Mexico. The approximate date of publication was Monday, February 26, 1979.



Arnold E. Raether, Treasurer
Caulkins Oil Company

DRAFT

dr/

2/8

[Handwritten signature]

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

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

CASE NO. 6540

Order No. R- 6007

APPLICATION OF CAULKINS OIL COMPANY
FOR AN NGPA DETERMINATION, RIO ARRIBA
COUNTY, NEW MEXICO.

[Handwritten signature]

ORDER OF THE DIVISION

BY THE DIVISION:

This cause came on for hearing at 9 a.m. on May 9,
19 79, at Santa Fe, New Mexico, before Examiner Daniel S. Nutter.

NOW, on this _____ day of May, 1979, the Division
Director, having considered the record and the recommendations of
the Examiner, and being fully advised in the premises,

FINDS:

That the applicant's request for dismissal should be granted.

IT IS THEREFORE ORDERED:

That Case No. 6540 is hereby dismissed.

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