

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

2. TYPE OF WELL  
 OIL WELL       GAS WELL       OTHER       SINGLE ZONE       MULTIPLE ZONE

3. NAME OF OPERATOR  
 Caulkins Oil Company

4. ADDRESS OF OPERATOR  
 P.O. Box 780 Farmington, New Mexico

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface 1120' From North and 890' From East  
 At proposed prod. zone Same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 35 miles Southeast of Blanco, New Mexico

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit (line, if any) 890'

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 400'

9. ELEVATIONS (Show whether DF, RT, GR, etc.) 6754 GR.

10. LEASE DESIGNATION AND SERIAL NO. SF-079035-A

11. IF INDIAN, ALLOTTEE OR TRIBE NAME

12. UNIT AGREEMENT NAME

13. FARM OR LEASE NAME Breech A

14. WELL NO. 229 M

15. FIELD AND POOL OR WILDCAT Blanco Mesa Verde-Basin Dakot.

16. SEC., T., R., M., OR B.LK. AND SURVEY OR AREA Sec. 17 26N 6W

17. COUNTY OR PARISH 18. STATE Rio Arriba New Mexico

19. NO. OF ACRES IN LEASE 2400

20. NO. OF ACRES ASSIGNED TO THIS WELL 320

21. PROPOSED DEPTH 7600'

22. ROTARY OR CABLE TOOLS Rotary

23. APPROX. DATE WORK WILL START Aug. 1, 1983

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DEC 15 1982  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30#	400'	250 Sacks
7 7/8"	5 1/2"	15.5 & 17#	7600'	1300 Sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 7600' using 9.0 Gel based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recored on daily drilling report.

New 9 5/8" 32.30# surface casing will be set at approx. 400' and cemented with sufficient cement to circulate to surface.

(over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Charles Durgun TITLE Superintendent DATE 12-6-82

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
 DRILLING OPERATIONS AUTHORIZED ARE  
 SUBJECT TO COMPLIANCE WITH ATTACHED  
 "GENERAL REQUIREMENTS"

APPROVED  
AS AMENDED  
JAN 20 1983  
James F. Sims  
DISTRICT ENGINEER

OPERATOR

This action is subject to administrative  
 appeal pursuant to 30 CFR 290.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

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

1a. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESV.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**Caulkins Oil Company**

3. ADDRESS OF OPERATOR  
**P.O. Box 780 Farmington, New Mexico**

5. LEASE DESIGNATION AND SERIAL NO.  
**SF 079035-A**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_

7. UNIT AGREEMENT NAME \_\_\_\_\_

8. FARM OR LEASE NAME  
**Brech "A"**

9. WELL NO.  
**229-M**

10. FIELD AND POOL, OR WILDCAT  
**Blanco Mesa Verde**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Sec. 17 26 North 6 West**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **1220' From North & 890' From East**  
At top prod. interval reported below **Same**  
At total depth **Same**

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SEP 09 1983  
BUREAU OF LAND MANAGEMENT  
FARMINGTON RESOURCE AREA**

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

12. COUNTY OR PARISH **Rio Arriba** 13. STATE **New Mexico**

15. DATE SPUNDED **6-10-83** 16. DATE T.D. REACHED **6-24-83** 17. DATE COMPL. (Ready to prod.) **8-3-83** 18. ELEVATIONS (OF, RES. HT. OR, ETC.) **6754 GR** 19. ELEV. CASINGHEAD **6754'**

20. TOTAL DEPTH, MD & TVD **7610** 21. PLUG. BACK T.D., MD & TVD **7610** 22. IF MULTIPLE COMPL., HOW MANY\* **(2) Two** 23. INTERVALS DRILLED BY ROTARY TOOLS **0-7610** CABLE TOOLS **No**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**5472 - 5077 Mesa Verde**

25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**Gamma Ray Neutron & Gas Spectrum Logs**

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 POLLED
9 5/8"	36# H-40	421'	12 1/4"	300 sacks (354 Cu. Ft.)	None
5 1/2"	15.5 & 17#	7610'	7 5/8"	1300 sacks (2004 Cu. Ft.)	None

**29. LINER RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/4"	5501'	

**30. PERFORATION RECORD (Interval, size and number)**

1-.42-5472	1-.42-5334	1-.42-5077
1-.42-5428	1-.42-5266	
1-.42-5408	1-.42-5227	
1-.42-5376	1-.42-5182	
1-.42-5365	1-.42-5168	

**31. ACID. SHOT. FRACTURE, CEMENT SQUEEZE, ETC.**

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5428 - 5077	66,500# 20-40 sand and 1515 bbls. Gel Fluid

**32. PRODUCTION**

DATE FIRST PRODUCTION **8-10-83** 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
8-10-83	3 Hours	3/4"	→		217		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
111	635	→		1,742		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**Gas to be sold to Gas Co. of New Mexico (Condensate to Shell Oil Co.)**

TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
**Complete cement records.**

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

SIGNED Charles Vergara TITLE **Superintendent** DATE **SEP 12 1983**

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

FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO  
BY smm

Ran 5 1/2" Production Casing as follows:

7610' to 6587'	(1023')	New 5 1/2"	17#	ST&C	K-55 Smls. Casing
6587' to 1034'	(5553')	New 5 1/2"	15.5#	LT&C	K-55 Smls. Casing
1034' to Surface	(1034')	New 5 1/2"	17#	LT&C	K-55 Smls. Casing

Stage Tools run in Casing string at 5549' and 3477'.

Cement Baskets run on Casing string at 5633' and 3562'.

24 Centralizers run on Casing string at following points:

7568', 7529', 7486', 7443', 7408', 7366', 7323', 7280', 7238', 7197', 7154', 7111', 7069', 7035', 5591', 5508', 5468', 5427', 5385', 5346', 5303', 5262', 3519' and 3438'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 7610' with 412.50 Cu.Ft. (250 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 Sacks) Neat Cement.

Plug down first stage 1:10 PM 6-25-83.

Second Stage cemented thru Stage Tool set at 5549' with 412.50 Cu.Ft. (250 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 Sacks) Neat Cement.

Plug down second stage 2:15 PM 6-25-83

Thrid Stage thru Stage Tool set at 3477' with 825 Cu.Ft. (500 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 Sacks) Neat Cement.

Plug down 3:35 PM 6-25-83.

Cement circulated on all three stages.

Approx 2 bbls. slurry on first stage.

Approx 1 bbls. slurry on second stage.

Approx 5 bbls. slurry on third stage.

NO. OF COPIES RECEIVED	
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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box)  
 New Well  Change in Transporter of:  
 Recompletion  Oil  Dry Gas   
 Change in Ownership  Casinghead Gas  Condensate

Other (Please explain)

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SEP 27 1983  
OIL CON. DIV. 1  
DIST. 3

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Breech "A"	Well No. 229-M	Pool Name, including Formation Blanco Mesa Verde	Kind of Lease State, Federal or Fee Federal	Lease No. SF079035A
Location Unit Letter <u>A</u> ; <u>1120</u> Feet From The <u>North</u> Line and <u>890</u> Feet From The <u>East</u> Line of Section <u>17</u> Township <u>26 North</u> Range <u>6 West</u> , NMPM, Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Gaint Refinery Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 256 Farmington, New Mexico
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Gas Company of New Mexico	Address (Give address to which approved copy of this form is to be sent) 1508 Pacific Ave. Dallas, Texas
If well produces oil or liquids, give location of tanks.	Unit <u>A</u> Sec. <u>17</u> Twp. <u>26N</u> Rge. <u>6W</u> Is gas actually connected? <u>No</u> When

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resrv.	Diff. Resrv.
		X	X					
Date Spudded 6-10-83	Date Compl. Ready to Prod. 8-3-83	Total Depth 7610'	P.B.T.D. 7610'					
Elevations (DF, RKB, RT, GR, etc.) 6754 GR	Name of Producing Formation Mesa Verde	Top Oil/Gas Pay 5077'	Tubing Depth 5501'					
Perforations 5472' - 5077' Mesa Verde			Depth Casing Shoe 7610'					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	9 5/8"	421'	300 sacks (354 Cu.Ft.)
7 5/8"	5 1/2"	7610'	1300 sacks (2004 Cu.Ft.)
	1 1/4"	5501'	

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

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

GAS WELL

Actual Prod. Test - MCF/D 1,742	Length of Test 3 Hours	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.) Back Pressure	Tubing Pressure (Shot-12) 1,159	Casing Pressure (Shot-12) 1,171	Choke Size 3/4"

VI. CERTIFICATE OF COMPLIANCE

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

*Charles Deque*  
(Signature)

Superintendent

(Title)

8-17-83

(Date)

OIL CONSERVATION DIVISION

SEP 28 1983

APPROVED \_\_\_\_\_, 19

BY *S. J. ...*  
TITLE SUPERVISOR DISTRICT #

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

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

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

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

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

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 1, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM THE Caulkins Oil Company

OPERATOR

Breech A

229-M

(A)17-26N-06W

LEASE

WELL UNIT

S - T - R

Blanco Measverde

Gas Company of New Mexico

POOL

NAME OF PURCHASER

WAS MADE ON 11-29-83

, FIRST DELIVERY 11-29-83

DATE

DATE

1742

INITIAL POTENTIAL

/kn

cc:

OPERATOR

New Mexico Oil Conservation Commission - Aztec  
Minerals Management Service - Oil & Gas  
Mr. E.R. Corliss, Engineering  
Mr. R.J. McCrary, Gas Contracts Adm.  
Prorations Dept., Albuquerque  
Mr. Robert Utay, Gas Accounting  
Mr. Joel Levine, Gas Supply  
Chart Office, Kutz  
Mr. Perry McFarland, Kutz  
File

Gas Company of New Mexico

PURCHASER



REPRESENTATIVE

J.R. Large

Dispatch Manager

TITLE

All distances must be from the outer boundaries of the Section.

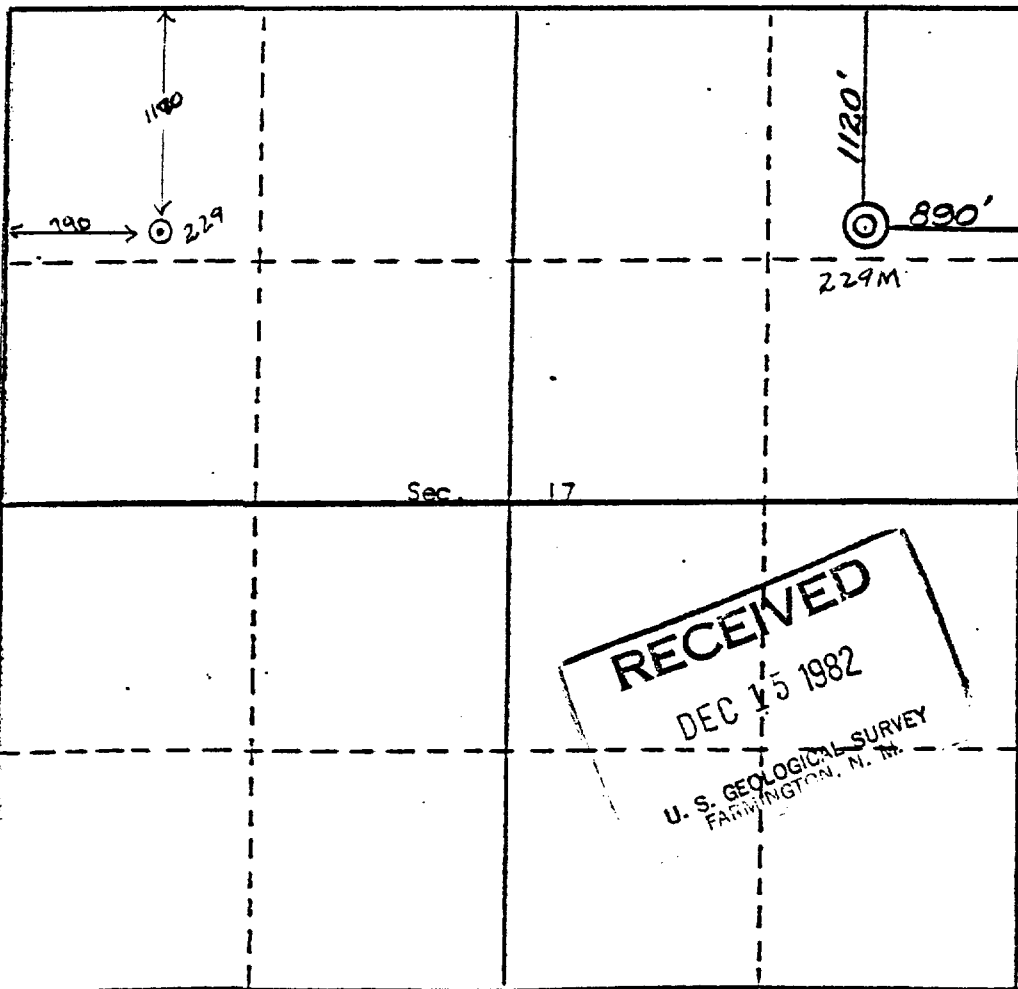
Operator CAULKINS OIL COMPANY			Lease Breach "A"		Well No. 229-M
Unit Letter A	Section 17	Township 26N	Range 6W	County Rio Arriba	
Actual Spatage Location of Wells 1120 feet from the North line and 890 feet from the East line					
Ground Level Elev. 6754	Producing Formation Mesa Verde Dakota		Pool Blanco Mesa Verde Basin Dakota		Dedicated Acreage 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



CERTIFICATION

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

*Charles Verquer*  
Name

Charles Verquer

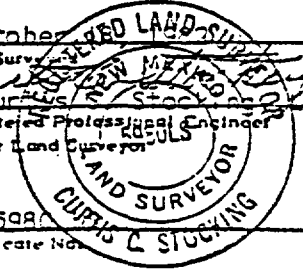
Position  
Superintendent

Company  
Caulkins Oil Company

Date  
12-13-82

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

October 1982  
Date Surveyed  
*Curtis C. Stucking*  
Curtis C. Stucking  
Registered Professional Engineer  
and/or Land Surveyor  
509A  
Certificate No.



RECEIVED  
DEC 15 1982  
U. S. GEOLOGICAL SURVEY  
FAIRMINGTON, N. M.

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

## MESA VERDE

229 229-M Infil

229

229-M

<u>Month</u>	<u>Production</u>	<u>Days On</u>	<u>Production</u>	<u>Days On</u>
11-29-83	1,599	31	Shut-in	
12-83	845	22	10,496	26
1-84	930	26	2,745	9
2-84	971	31	3,496	20
3-84	565	24	2,807	23
4-84	744	21	3,646	23
5-84	491	30	1,198	14
<hr/> Total	6,145	185	24,388	115

# CAULKINS OIL COMPANY

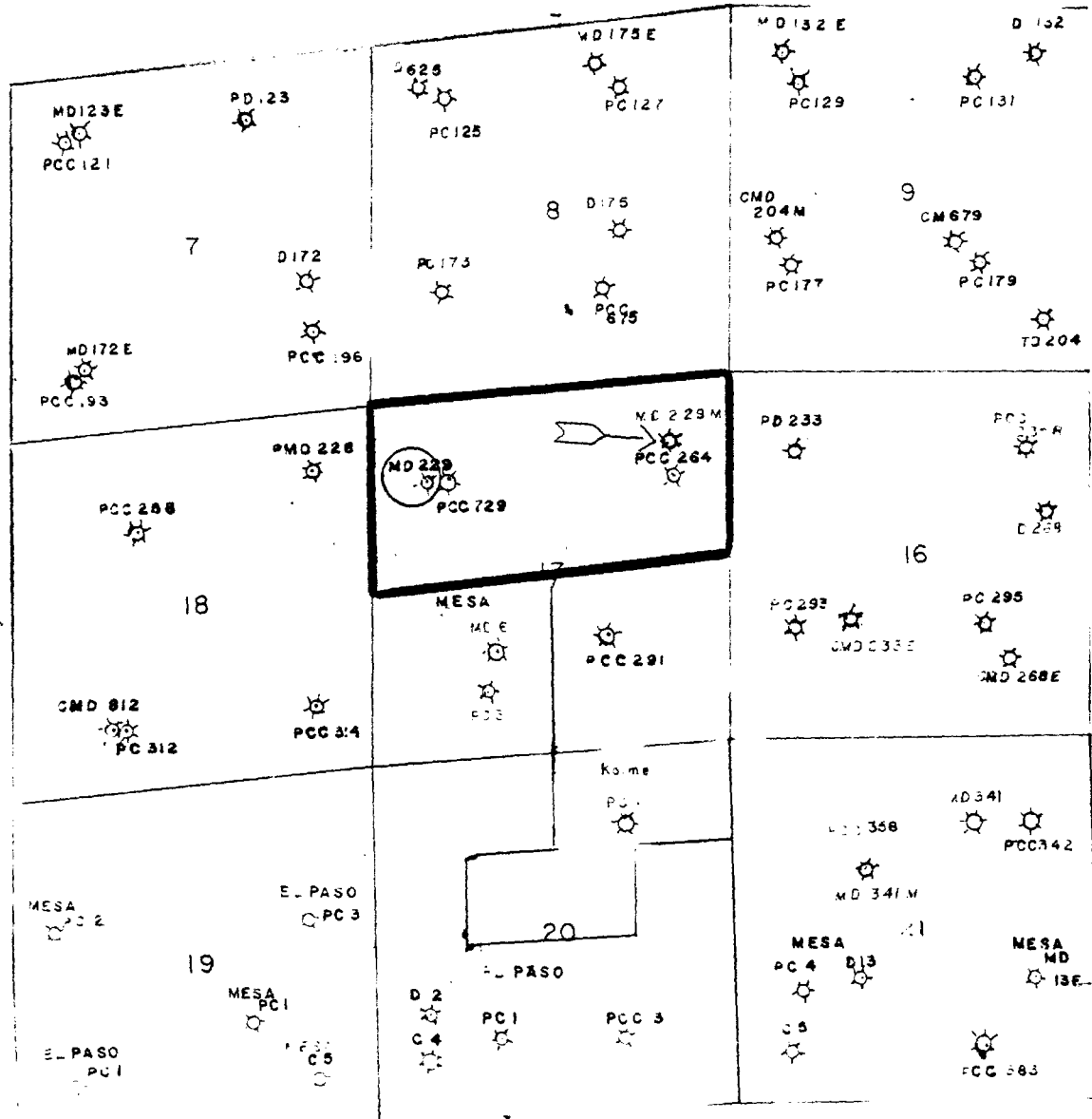
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 17 26N 6W, Rio Arriba County, N.M.

Well No. 229 - Original well Mesa Verde Zone, marked with circle.

Well No. 229-M - Infil well Mesa Verde Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



P or PC = Pictured Cliffs Completion  
 C = Chacra Completion  
 M or MV = Mesa Verde Completion  
 D = Dakota Completion



CAULKINS WELLS

Infill:

Breech A 229M  
Breech 307M  
Breech D 140M  
Breech D 341M  
State A 62M

*Completed in*

*Dal Horizon*

*P-1670T*

Replacement:

Breech 307M  
Breech B 220-R  
State C. Com. 235-R

*Completed in*

Interstate:

Breech F 1E - withdraw

*in interstate commerce*

BEFORE THE	
OIL CONSERVATION COMMISSION	
Santa Fe, New Mexico	
Case No. <u>8267</u>	EXHIBIT No. <u>1B</u>
Submitted by <u>Caulkins</u>	
Hearing Date <u>9/12/84</u>	

Included in case # 9106

CAULKINS WELLS

<u>WELL</u>	<u>POOL</u>
Breech A 224A	Mesaverde
Breech A 182A	Mesaverde
Breech A 132E	Basin Dakota
Breech A 136E	Basin Dakota
Breech A 175E	Basin Dakota
Breech C 389E	Basin Dakota
Breech A 682E	Basin Dakota
Breech A 123E	Basin Dakota
Breech B 172E	Basin Dakota
Breech C 323E	Basin Dakota
Breech D 685E	Basin Dakota
Breech E 54E	Basin Dakota
Breech E 68E	Basin Dakota
State A Comm 113E	Basin Dakota
State A 268 E	Basin Dakota
State B Comm 233E	Basin Dakota
Breech C 248M	Mesaverde & Dakota
Breech C 689M	Mesaverde & Dakota
Breech E 64M	Mesaverde & Dakota
Breech E 583M	Mesaverde & Dakota
Breech F 4M	Mesaverde & Dakota
Breech F 11M	Mesaverde & Dakota
Breech A 204M	Mesaverde & Dakota

BUREAU OF LAND MANAGEMENT  
OIL AND GAS CONSERVATION DIVISION  
SARASOTA, FLORIDA

Case No. 8267 Exhibit No. 1A  
Submitted by Caulkins  
Hearing Date 9/12/84

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.  
NM 03553

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. TERM OR LEASE NAME  
Breach D

9. WELL NO.  
841-M

10. FIELD AND POOL OR WILDCAT  
Blanco Mesa Verde-Basin Dak

11. SEC. T., E., M., OR BLK. AND SURVEY OR AREA  
Sec. 21 26 North 6 West

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

14. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

15. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

16. NAME OF OPERATOR  
Caulkins Oil Company

17. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico 87401

18. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
AT SURFACE 1850 From North and 1800 From West  
At proposed prod. zone Same

19. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
4.0 Miles Southeast of Blanco, New Mexico

20. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
790'

21. NO. OF ACRES DECREASE  
1920

22. NO. OF ACRES ASSIGNED TO THIS WELL  
320

23. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
150'

24. PROPOSED DEPTH  
7500'

25. ROTARY OR CABLE TOOLS  
Rotary

26. ELEVATIONS (Show whether DP, RT, GR, etc.)  
6675 GR

27. APPROX. DATE WORK WILL START\*  
July 10, 1983

28. DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" PROPOSED CASING AND CEMENTING PROGRAM

This action is subject to administrative appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4"	9 5/8"	32.30	400'	354 CuFt.
7 7/8"	5 1/2"	15.5 & 17#	7425'	2050 CuFt.

Surface formation San Jose. No abnormal pressure or temperature anticipated

It is proposed to drill new hole, surface to 7425' using 9.0 Gel based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffar 10" Modal LWP 6000# test BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recorded on daily report.

New 9 5/8" 32.30# H-40 (new) surface casing will be set at approx. 400' and cemented with sufficient cement to circulate to surface.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Charles Desjardis TITLE Superintendent DATE 5-16-83

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED  
DATE JUN 1 1983  
JAMES F. SIMS  
DISTRICT ENGINEER

OPERATOR

## Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plat, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 16: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

New 1/2" 15.5 & 17# K-55 6mls casing (new) will be cemented top to bottom with sufficient cement to circulate. Casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Pictured Cliffs Sands.

Centralizers will be run on casing thru Mesa Verde and Dakota Zones.

Well will be completed in Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Packer will be set between Mesa Verde and Dakota Zone.

New 2 1/16" LJ Tubing will be run thru packer to Dakota Zone.

New 2 1/16" LJ Tubing will be run to Mesa Verde Zone for Mesa Verde production.

Gas produced from this well contracted to Gas Company of New Mexico.

**Estimated Formation Tops:**

Alamo	2280'
Pictured Cliffs	2930'
Chacra	3842'
Cliff House	4550'
Point Lookout	5300'
Gallup	6550'
Greenhorn	7100'
Dakota	7180'

U.S. GOVERNMENT PRINTING OFFICE: 1971-244

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

Case No. 8287 Exhibit No. 1

Submitted by Wulkins

Hearing Date 2/12/84

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLI

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

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. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1850' From North & 1800 From West  
At top prod. interval reported below Same  
At total depth Same

5. LEASE DESIGNATION AND SERIAL NO.  
NM 03553

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breach "D"

9. WELL NO.  
341-M

10. FIELD AND POOL, OR WELDCAT  
Basin Dakota

11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA  
Section 21 26 North 6 West

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUNDED 6-26-83 16. DATE T.D. REACHED 7-8-83 17. DATE COMPL. (Ready to prod.) 8-23-83 18. ELEVATIONS (DE, RES, ST, GR, ETC.)\* 6675 GR 19. ELEV. CASINGHEAD 6675

20. TOTAL DEPTH, MD & TVD 7440' 21. PLUG, BACK T.D., MD & TVD 7440' 22. IF MULTIPLE COMPL., HOW MANY\* (2) Two 23. INTERVALS DRILLED BY 0-7440 ROTARY TOOLS CABLE TOOLS No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 7242' to 7411' Dakota 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN ES Gamma Ray Log 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
9 5/8"	36# H-40	410'	12 1/4"	300 sacks (354 Cu.Ft.)	None
5 1/2"	15.5 & 17#	7440'	7 5/8"	1300 sacks (2004 Cu.Ft.)	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1 1/2"	7330'	5402'

31. PERFORATION RECORD (Interval, size and number)

1-.42-7411	1-.42-7354	1-.42-7242
1-.42-7409	1-.42-7350	
1-.42-7406	1-.42-7344	
1-.42-7386	1-.42-7260	
1-.42-7358	1-.42-7250	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7411 - 7242	100,000# 20-40 sand and 2862 bbls. Cross Link Fluid

33. PRODUCTION

DATE FIRST PRODUCTION 8-30-83 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—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
8-30-83	3 Hours	3/4"			200		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
101	PKR			1,600		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas is to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.) TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
Complete cementing Records

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

SIGNED Charles Vergara TITLE Superintendent DATE SEP 1 1983 8-22-83

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

OPERATOR \_\_\_\_\_ BY Smh

# 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		38. GEOLOGIC MARKERS																
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.															
Alamo	2230	2458	Water Sand Gas Sand Gas Sand Gas Sand  Hole Deviation Test  Depth 418 920 1434 1964 2529 3021 3513 4000 4515 5026 5512 6012 6515 7027 Degrees 1/2 1/2 1/2 1/2 1/2 3/4 1 1/2 3/4 3/4 1 1 1 1 1/4 1 1/2 1 1/2															
Pictured Cliffs	2990	3050																
Mesa Verde	4617	5368																
Dakota	7235	7418																
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 50%;">NAME</th> <th style="width: 25%;">MEAS. DEPTH</th> <th style="width: 25%;">TRUE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td>Alamo</td> <td>2230</td> <td>2230</td> </tr> <tr> <td>Pictured Cliffs</td> <td>2990</td> <td>2990</td> </tr> <tr> <td>Mesa Verde</td> <td>4617</td> <td>4617</td> </tr> <tr> <td>Dakota</td> <td>7235</td> <td>7235</td> </tr> </tbody> </table>	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	Alamo	2230	2230	Pictured Cliffs	2990	2990	Mesa Verde	4617	4617	Dakota	7235	7235
NAME	MEAS. DEPTH	TRUE VERT. DEPTH																
Alamo	2230	2230																
Pictured Cliffs	2990	2990																
Mesa Verde	4617	4617																
Dakota	7235	7235																

341-M

Ran 5 1/2" Production Casing as follows:

7440' to 5445'	(1995')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
5445' to 3370'	(2075')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
3370' to 1000'	(2370')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
1000' to Surface	(1000')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 5445' and 3370'.

Cement Baskets run in Casing string at 5571' and 3498'.

24 Centralizers run on Casing string at following points:

7403', 7366', 7329', 7293', 7258', 7221', 7186', 7151', 7115', 7077', 7043', 7005', 6968', 6927', 5528', 5402', 5361', 5318', 5278', 5237', 5195', 5156', 3457' and 3327'.

Cemented 5 1/2" Casing in three stages.

First Stage thru shoe at 7440' with 250 sacks (412.50 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 6:15 PM 7-9-83.

Second Stage cemented thru Stage Tool set at 5445' with 250 sacks (412.50 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 7:30 PM 7-9-83

Third Stage cemented thru Stage Tool set at 3370' with 500 sacks (825 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 9:30 PM 7-9-83.

Cemented circulated on all three stages.

Approx 5 bbls. slurry on first stage.  
Approx 2 bbls. slurry on second stage.  
Approx 20 bbls. slurry on third stage.

NO. OF COPIES RECEIVED	
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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
OPERATION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box)      Other (Please explain)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Condensate Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Breech "D"	341-M	Basin Dakota	State, Federal or Fee Federal	NM 03553
Location				
Unit Letter	F	1850 Feet From The North Line and	1800 Feet From The West	
Line of Section	21	Township 26 North	Range 6 West	NMPM, Rio Arriba County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Giant Refinery Company	P.O. Box 256 Farmington, New Mexico					
Name of Authorized Transporter of Condensate Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)					
Gas Company of New Mexico	1508 Pacific Ave. Dallas, Texas					
If well produces oil or liquids, give location of tanks.	Unit	Sec.	Twp.	Req.	Is gas actually connected?	When
	F	21	26N	6W	No	

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Resrv.	Diff. Resrv.
		X	X					
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.					
6-26-83	8-23-83	7440'	7440'					
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth					
6675 GR	Dakota	7242'	7330'					
Perforations			Depth Casing Shoe					
7411' to 7242'	Dakota		7440'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12 1/4"	9 5/8"	410'	300 Sacks(354 Cu.Ft.)					
9 5/8"	5 1/2"	7440'	1300 Sacks(2004 Cu.Ft.)					
	1 1/2"	7330'						

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

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
		Flow	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
			1 1/2"
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MCF	Gravity of Condensate
1,600	3 Hours		
Testing Method (Back, back pr.)	Tubing Pressure (Shut-In)	Casing Pressure (Shut-In)	Choke Size
Back Pressure	1383	PKR	3/4"

CERTIFICATE OF COMPLIANCE

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

Charles E. Jergens  
(Signature)  
Superintendent  
(Title)  
8-22-83  
(Date)

OIL CONSERVATION DIVISION

APPROVED \_\_\_\_\_ 1983  
BY \_\_\_\_\_  
TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for change of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.



OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 6, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM THE Caulkins Oil Company OPERATOR

Breech D LEASE 341-M WELL UNIT (F) 21-26N-06W S - T - R  
Basin Dakota POOL Gas Company of New Mexico NAME OF PURCHASER

WAS MADE ON 12-2-83 DATE , FIRST DELIVERY 12-2-83 DATE

1600 INITIAL POTENTIAL

Gas Company of New Mexico PURCHASER

J.R. Large REPRESENTATIVE  
J.R. Large  
Dispatch Manager TITLE

/kn

- cc: OPERATOR
- New Mexico Oil Conservation Commission - Aztec
- Minerals Management Service - Oil & Gas
- Mr. E.R. Corliss, Engineering
- Mr. R.J. McCrary, Gas Contracts Adm.
- Prorations Dept., Albuquerque
- Mr. Robert Utay, Gas Accounting
- Mr. Joel Levine, Gas Supply
- FORM 29-43 11-78
- Chart Office, Kutz
- Mr. Perry McFarland, Kutz
- File

All distances must be from the outer boundaries of the section.

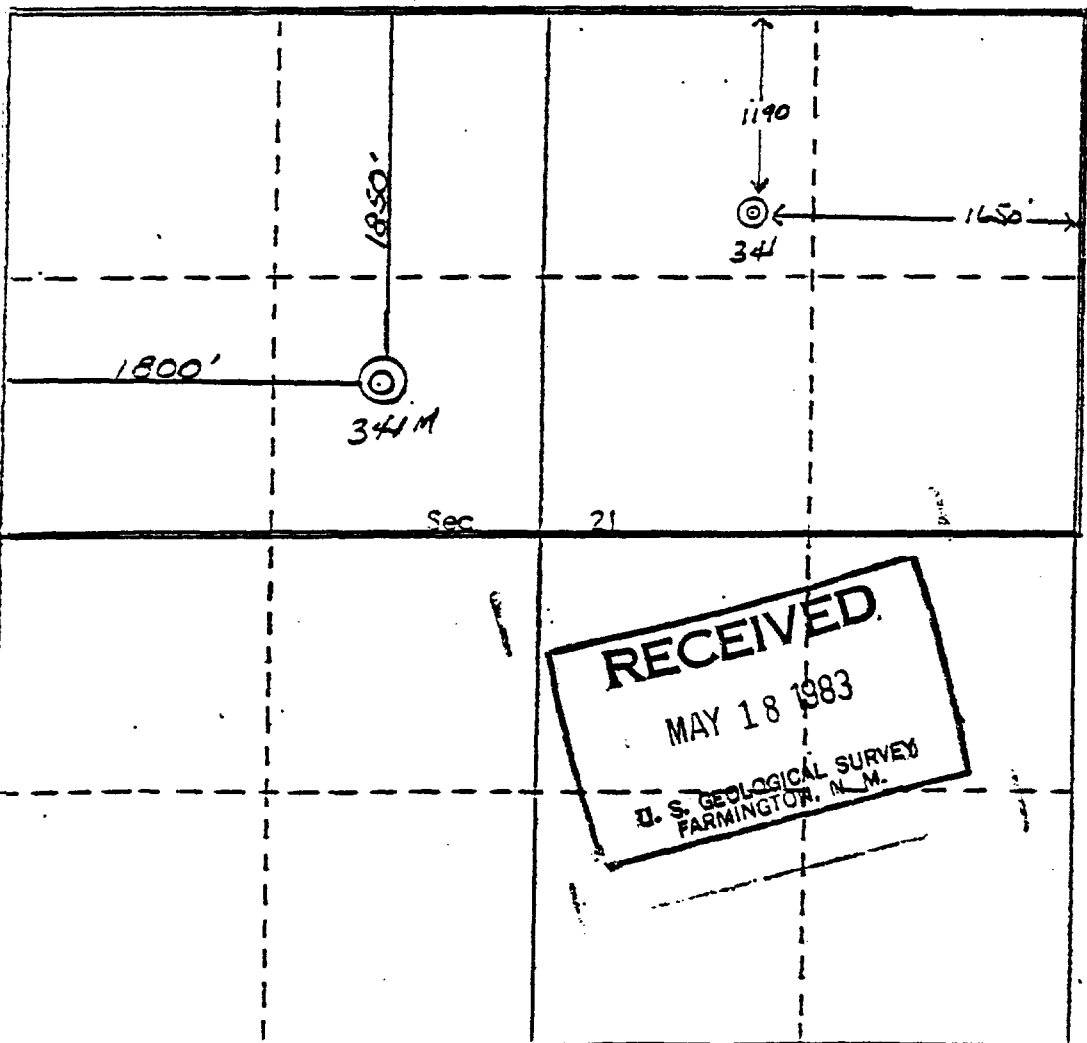
Operator CAULKINS OIL COMPANY		Lease Breach "D"			Well No. 341-M
Unit Letter F	Section 21	Township 26N	Range 6W	County Rio Arriba	
Actual Postage Location of Wells 1850 feet from the North line and 1800 feet from the West line					
Ground Level Elev. 5675	Producing Formation Mesa Verde Dakota		Pool Blanco Mesa Verde-Basin Dakota	Dedicated Acres 320	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



CERTIFICATION

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

*Charles E. Verquer*  
Name

Charles E. Verquer

Position  
Superintendent

Company  
Caulkins Oil Company

Date  
5-16-83

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

5080  
Certificate No. *5080*  
REGISTERED LAND SURVEYOR  
CURTIS & STICKING  
REGISTERED PROFESSIONAL ENGINEER  
and/or Land Surveyor

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

DAKOTA

341 341-M Infil

Month	341		341-M	
	Production	Days On	Production	Days On
12-2-83	6,846	27	4,742	23
1-84	7,689	28	5,644	24
2-84	5,985	31	5,073	27
3-84	2,723	29	4,037	28
4-84	4,065	31	5,292	31
5-84	2,602	30	3,352	24
<b>Total</b>	<b>29,910</b>	<b>176</b>	<b>28,140</b>	<b>157</b>

# CAULKINS OIL COMPANY

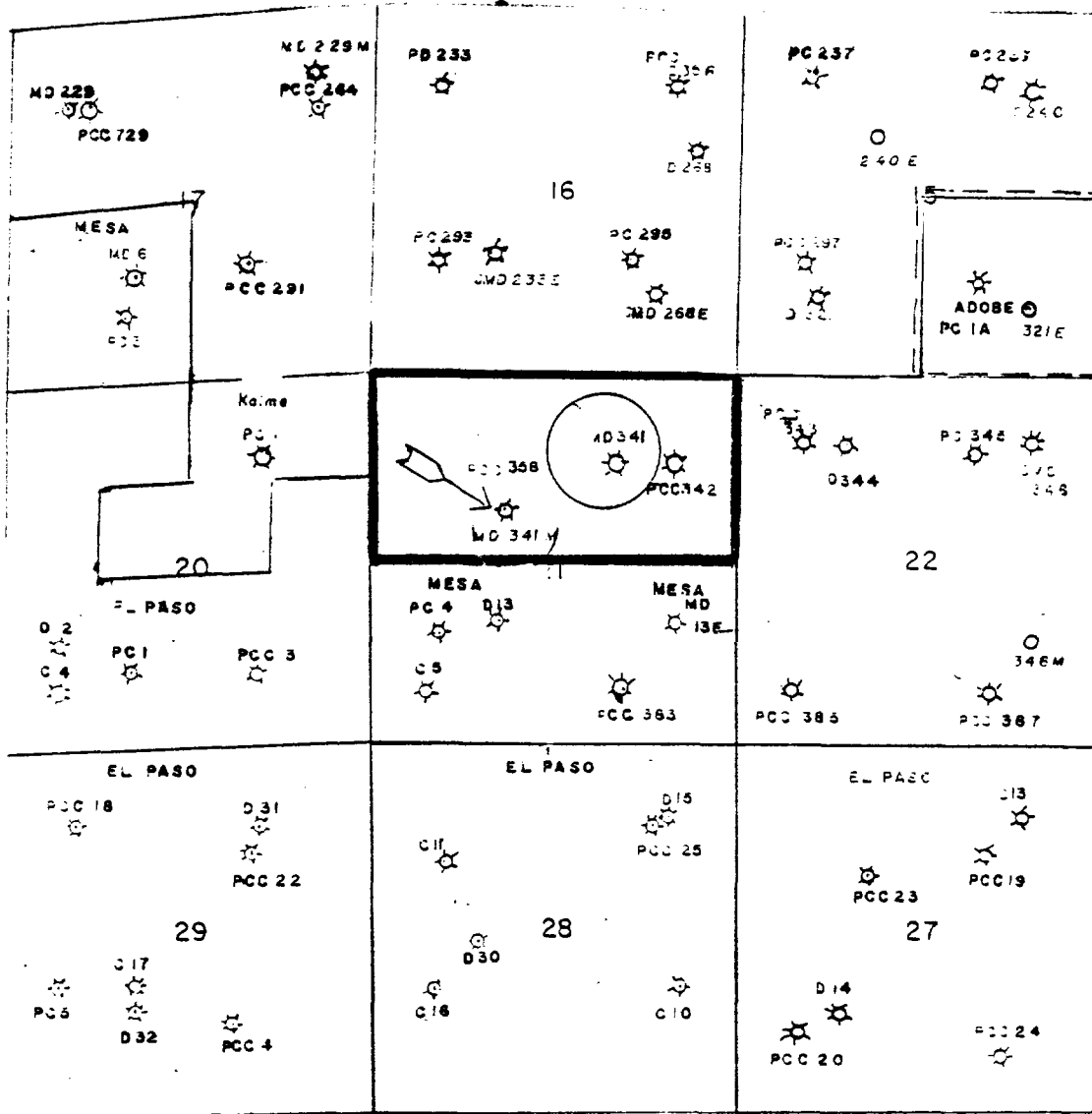
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 21 26N 6W, Rio Arriba County, N.M.

Well No. 341 - Original well Dakota Zone, marked with circle.

Well No. 341-M - Infil well Dakota Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



P or PC = Pictured Cliffs Completion  
 C = Chacra Completion  
 M or MV = Mesa Verde Completion  
 D = Dakota Completion

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Caulkins Oil Company

3. ADDRESS OF OPERATOR  
 P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface 1120' From South & 1520' From East  
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 27 miles Southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 1650'

18. NO. OF ACRES IN LEASE  
 2400

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

19. PROPOSED DEPTH  
 6850'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6146 GR.

22. APPROX. DATE WORK WILL START  
 July 4, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30#	300'	250 Sacks
7 7/8"	5 1/2"	15.5 & 17#	6850'	1300 Sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 6850' using 9.0 Gel based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recorded on daily drilling report.

New 9 5/8" 32.30# surface casing will be set approx. 300' and cemented with sufficient cement to circulate to surface.

(over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Charles Dejean TITLE Superintendent DATE 12-6-82

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

AE [Signature]

JAN 3 1983  
 James F. Sims  
 DIRECTOR

CONDITIONS OF APPROVAL, IF ANY:  
 DRILLING OPERATIONS AUTHORIZED ARE  
 SUBJECT TO COMPLIANCE WITH ATTACHED  
 "GENERAL REQUIREMENTS"

This action is subject to administrative  
 appeal pursuant to 30 CFR 290.

OPERATOR

RECEIVED  
 DEC 15 1982  
 U.S. GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Breach

9. WELL NO.  
 307 M

10. FIELD AND POOL, OR WILDCAT  
 Blanco PC-Otero Chacra  
 Blanco MV-Basin Dakota

11. SEC., T., R., M., OR BLK.  
 AND SURVEY OR AREA  
 Sec. 13 26N 7W

12. COUNTY OR PARISH  
 Rio Arriba

13. STATE  
 New Mexico

## Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

★ U.S. GOVERNMENT PRINTING OFFICE: 1963-O-711-360

New 5 1/2" 15.5 & 17# casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Chacra Sands.

Centralizers will be run on casing thru Pictured Cliffs Chacra, Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Subject to approval by Minerals Management Service and New Mexico Oil Conservation Division. Well will be dual completed with Mesa Verde-Dakota commingled zone below packer and commingled Pictured Cliffs-Chacra above packer.

New 2 1/16" IJ Tubing will be run for Pictured Cliffs-Chacra commingled zone.

New 2 1/16" IJ tubing will be run for Mesa Verde-Dakota commingled zone.

Gas produced from this well contracted to Gas Company of New Mexico.

### Estimated Formation Tops:

Alamo	1573'
Pictured Cliffs	2326'
Chacra	3213'
Cliff House	3993'
Point Lookout	4612'
Gallup	5910'
Greenhorn	6537'
Graneros	6631'
Dakota	6733'

BEFORE THE	
OIL CONSERVATION COMMISSION	
Santa Fe, New Mexico	
Case No. <u>8267</u>	Exhibit No. <u>2</u>
Submitted by <u>Caulkerson</u>	
Hearing Date <u>9-2-84</u>	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.6.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

5. LEASE DESIGNATION AND SERIAL NO.

NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech

9. WELL NO.

307-M

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Section 13, 26 North, 7 West

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

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

2. NAME OF OPERATOR

Caulkins Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 780 Farmington, New Mexico

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

At surface 1120' From South & 1520' From East

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. DATE ISSUED

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

15. DATE SPUDDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, RES, BT, GR, ETC.)\* 19. ELEV. CASINGHEAD

7-30-83 8-9-83 9-21-83 6146 GR 6888'

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

6888' 6888' (4) Four 0-6888 No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

6652' to 6818' (Dakota) No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

Gamma Ray Neutron Log NO

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36# H-40	610'	12 1/4"	500 sacks (590 Cu.Ft.)	None
5 1/2"	15.5 & 17#	6888'	7 7/8"	1400 sacks (2122 Cu.Ft.)	None

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/4"	6682'	3337'

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1-.42-6652	1-.42-6752	1-.42-6818	6652' to 6818'	162,000# 20-40 sand and 2752 bbls. Cross Link Fluid
1-.42-6662	1-.42-6774			
1-.42-6674	1-.42-6790			
1-.42-6738	1-.42-6796			
1-.42-6744	1-.42-6806			

33.\* PRODUCTION

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

9-28-83 Flowing Shut-in

DATE OF TEST HOURS TESTED CHOKER SIZE PROD'N. FOR TEST PERIOD OIL—BSL. GAS—MCF. WATER—BSL. GAS-OIL RATIO

9-28-83 3 Hours 3/4" 287

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

137 PKR 2309

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

Gas to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.)

35. LIST OF ATTACHMENTS

Complete Cementing Records

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

SIGNED Charles Vergara TITLE Superintendent

DATE 9-29-83

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

OPERATOR

FARMINGTON RESOURCE AREA

BY Sm

ACCEPTED FOR RECORD

OCT 05 1983

# 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 16:** 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 28:** "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, CUMULUM USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	MEAN DRIFT	TOP	TRUE VERT. DEPTH
Alamo	1510	1798	Water Sand	1510		1510
Pictured Cliffs	2274	2372	Gas Sand	2274		2274
Chacra	3224	3326	Gas Sand	3224		3224
Mesa Verde	4204	4765	Gas Sand	4204		4204
Dakota	6642	6830	Gas Sand	6642		6642
Hole Deviation Test						
	Depth		Degrees			
	615		2			
	1104		2 1/2			
	1618		2 3/4			
	2427		2 3/4			
	2887		2 1/2			
	3295		2			
	3784		2			
	4290		1 1/2			
	4803		2			
	5228		1 3/4			
	5725		1 3/4			
	6231		1 A/2			

**38. GEOLOGIC MARKERS**

NAME	MEAN DRIFT	TOP	TRUE VERT. DEPTH
Alamo	1510		1510
Pictured Cliffs	2274		2274
Chacra	3224		3224
Mesa Verde	4204		4204
Dakota	6642		6642



307-M

Ran 5 1/2" Production Casing as follows:

6888' to 127'	(6541')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
127' to Surface	( 127')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 4812' and 3378'.

Cement Baskets run in Casing string at 4944' and 3393'.

Centralizers run on Casing string at following points:

6847', 6806', 6764', 6722', 6681', 6640', 6598', 6556', 6514', 6473', 6431', 6390', 6349', 6307', 4851', 4771', 4733', 4697', 4656', 3418', 3338', 3297', 2425', 2387', 2345' and 2305'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 6888' with 250 sacks (412.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 10:45 PM 8-9-83.

Second Stage cemented thru Stage Tool set at 4812' with 150 sacks (247.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat cement.  
Plug down 11:45 PM 8-9-83.

Third Stage cemented thru Stage Tool set at 3378' with 600 sacks (990 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 200 sacks (236 Cu.Ft.) Neat Cement.  
Plug down 1:30 AM 8-10-83.

Circulated approx 5 bbl. slurry from both first and second stages.

Circulated no cement from third stage. Cement top 925' Temperature Survey attached.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

I. Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well  Change in Transporter of:  
Recompletion  Oil  Dry Gas   
Change in Ownership  Condensate Gas  Condensate

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name Breech	Well No. 307-M	Pool Name, including Formation Basin Dakota-Blanco Mesa Verde	Kind of Lease State, Federal or Fee Federal	Lease No. NM03733
Location Unit Letter <u>0</u> ; <u>1120</u> Feet From The <u>South</u> Line and <u>1520</u> Feet From The <u>East</u> Line of Section <u>13</u> Township <u>26 North</u> Range <u>7 West</u> N.M.P.M. Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Giant Refinery Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 256 Farmington, New Mexico
Name of Authorized Transporter of Condensate Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Gas Company of New Mexico	Address (Give address to which approved copy of this form is to be sent) 1508 Pacific Ave. Dallas, Texas
If well produces oil or liquids, give location of tanks.	Unit <u>0</u> Sec. <u>13</u> Twp. <u>26N</u> Rng. <u>7W</u> Is gas actually connected? <u>No</u> When _____

If this production is commingled with that from any other lease or pool, give commingling order number \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 7-30-83	Date Compl. Ready to Prod. 9-21-83	Total Depth 6888'	P.A.T.D. 6888'					
Elevations (DF, RKB, RT, GR, etc.) 6164 GR	Name of Producing Formation Mesa Verde-Dakota	Top Oil/Gas Pay 4534'	Tubing Depth 6682'					
Perforations 4534' to 4756' (Mesa Verde) 6652' to 6818' (Dakota)						Depth Casing Shoe 6682'		
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12 1/4"	9 5/8"	615'	500 sacks (590 Cu. Ft.)					
7 7/8"	5 1/2"	6888'	1400 sacks (2122 Cu. Ft.)					
	1 1/4"	6682'						

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

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

GAS WELL

Actual Prod. Test - MCF/D 2,110	Length of Test 3 Hours	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (Back, back pr.) Back Pressure	Tubing Pressure (Shut-In) 1415	Casing Pressure (Shut-In) PKR	Chest Size 3/4"

CERTIFICATE OF COMPLIANCE

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

Charles W. ...  
(Signature)  
Superintendent  
(Title)  
9-29-83  
(Date)

OIL CONSERVATION DIVISION  
APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY John W. ...  
TITLE \_\_\_\_\_

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

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

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

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

All distances must be from the outer boundaries of the Section

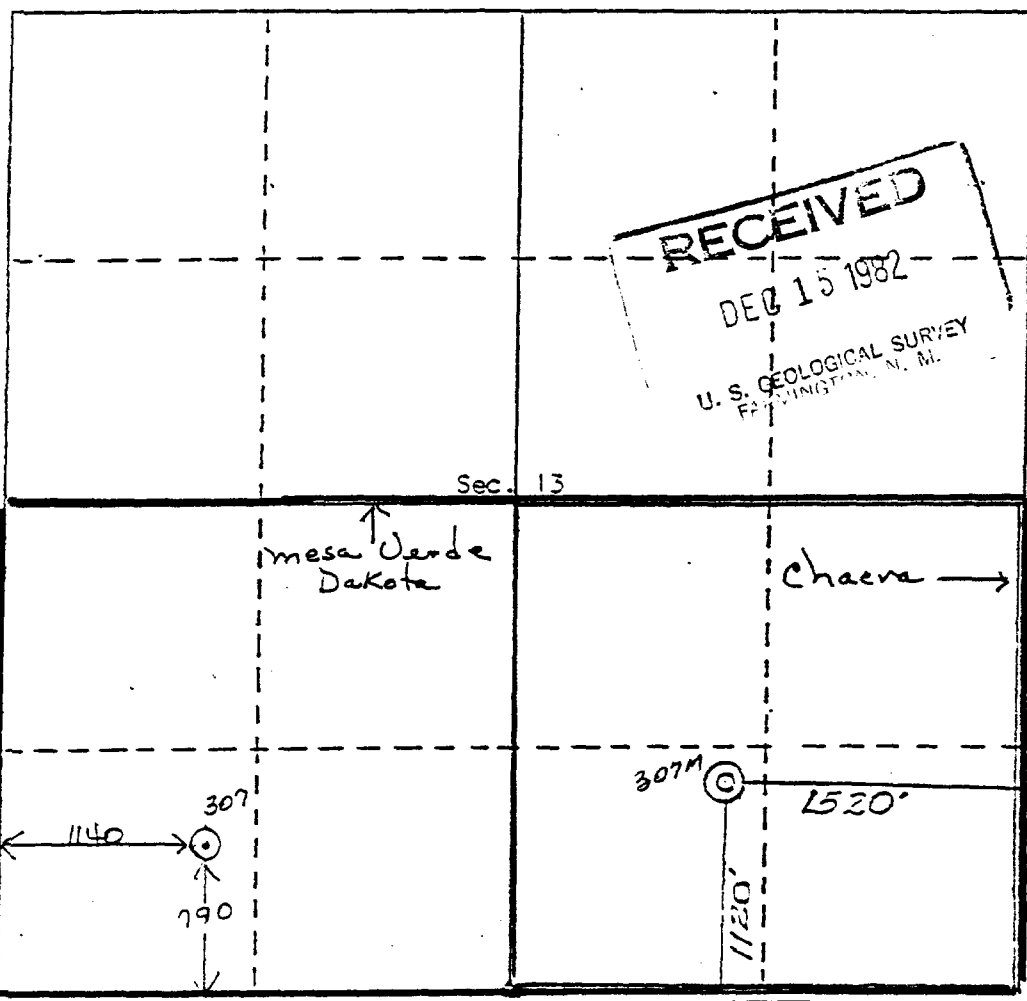
Operator <b>CAULKINS OIL COMPANY</b>		Lease <b>Breach</b>		Well No. <b>397-M</b>
Unit Letter <b>C</b>	Section <b>13</b>	Township <b>26 NORTH</b>	Range <b>7 WEST</b>	County <b>RIO ARRIBA</b>
Actual Postage Location of Well:				
1120 feet from the SOUTH		line and	1520 feet from the EAST	
Ground Level Elev. <b>6146.0</b>	Producing Formation <b>PC-Chacra-Mesa Verde-Dakota</b>	Pool <b>South Blanco PC-Otero Chacra Blanco MV-Basin Dakota</b>		Dedicated Acreage <b>160 PC &amp; Chacra 820 MV &amp; Dakota Acres</b>

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Divisor



**CERTIFICATION**

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

*Charles Verquer*

Name

**Charles Verquer**

Position

**Superintendent**

Company

**Caulkins Oil Company**

Date

**12-13-82**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

21 October 1982

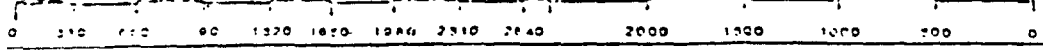
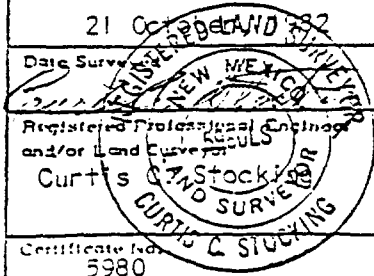
Date Surveyed

Registered Professional Engineer and/or Land Surveyor

**Curtis C. Stocking**

Certificate No.

**5980**



OIL CONSERVATION COMMISSION

1000 Rio Brazos Road  
AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE November 21, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF  
GAS FROM THE Caulkins Oil Company

OPERATOR

Breech

307-M

(O) 13-26N-07W

LEASE

WELL UNIT

S-T-R

\*Basin Dakota

Gas Company of New Mexico

POOL

NAME OF PURCHASER

WAS MADE ON 11-16-83

, FIRST DELIVERY 11-16-83

DATE

DATE

2309

INITIAL POTENTIAL

\*Downhole Commingled with Blanco MV

Gas Company of New Mexico

PURCHASER

cc: OPERATOR

- New Mexico Oil Conservation Commission - Aztec Minerals Management Service - Oil & Gas
- Mr. E.R. Corliss, Engineering
- Mr. R.J. McCrary, Gas Contracts Adm. Prorations Dept., Albuquerque
- Mr. Robert Utay, Gas Accounting
- Mr. Joel Levine, Gas Supply Chart Office, Kutz
- Mr. Perry McFarland, Kutz
- File

*James R. Large*  
 REPRESENTATIVE  
 J.R. Large  
 Dispatch Manager  
 TITLE

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

## DAKOTA

307 307-M Infil

307

307-M

Month	Production	Days On	Production	Days On
11-16-83	3,866	31	Shut-in	
12-84	3,288	28	5,536	28
1-84	3,311	29	15,137	24
2-84	2,572	31	12,867	27
3-84	2,214	29	12,998	28
4-84	2,558	31	11,442	31
5-84	1,974	30	8,125	23
<hr/>				
Total	19,783	209	66,105	161

# CAULKINS OIL COMPANY

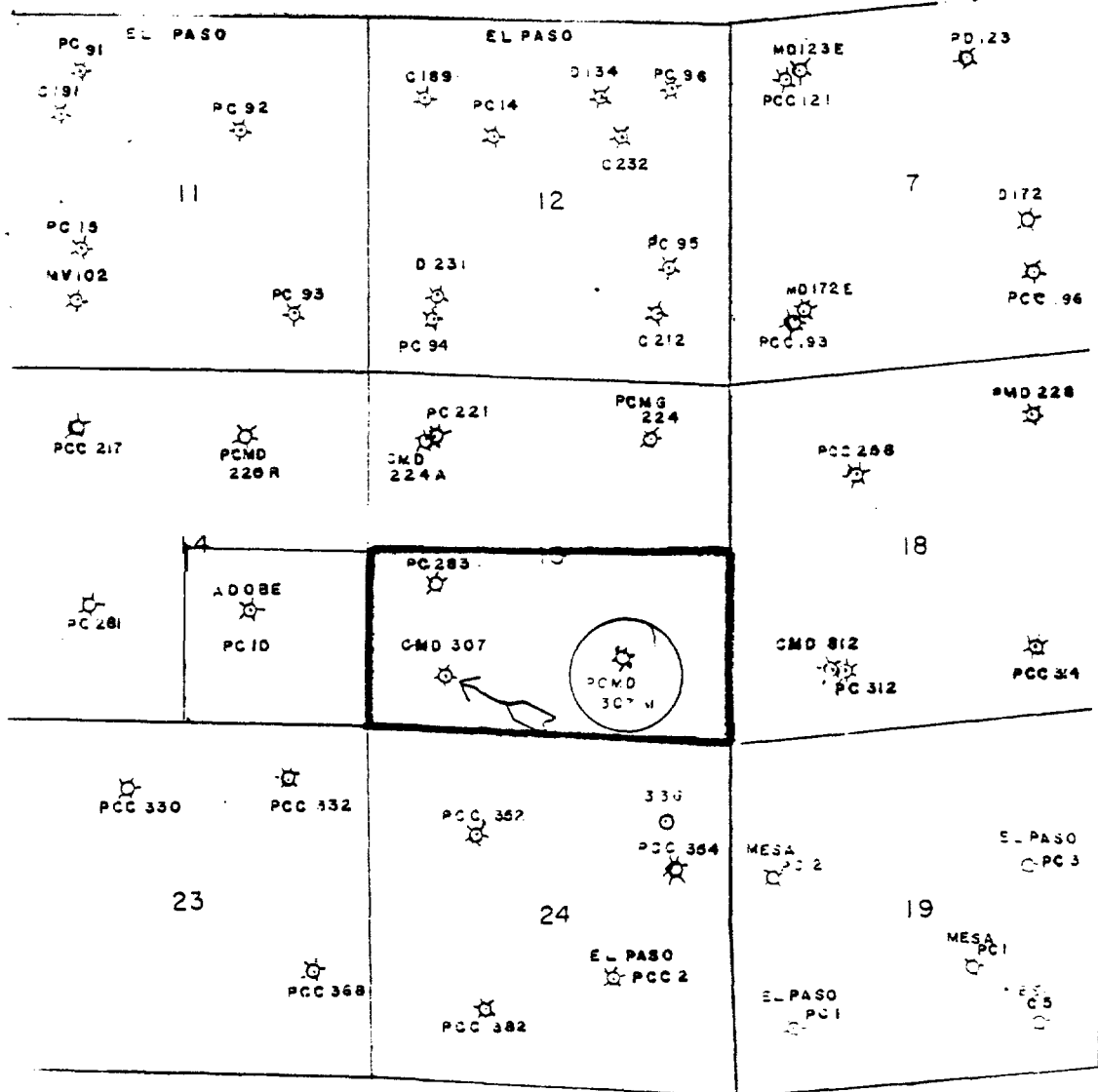
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: South half of Section 13 26N 7W, Rio Arriba County, N.M.

Well No. 307 - Original well Dakota Zone, marked with circle.

Well No. 307-M - Infil well Dakota Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



P or PC = Pictured Cliffs Completion  
 C = Chacra Completion  
 M or MV = Mesa Verde Completion  
 D = Dakota Completion

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

SF-079035-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech A

9. WELL NO.

229 M

10. FIELD AND POOL OR WILDCAT

Blanco Mesa Verde-Basin Dakot.

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

Sec. 17 26N 6W

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

12. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

b. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

1. NAME OF OPERATOR

Caulkins Oil Company

2. ADDRESS OF OPERATOR

P.O. Box 780 Farmington, New Mexico

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

At surface 1120' From North and 890' From East

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

35 miles Southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)

890'

16. NO. OF ACRES IN LEASE

2400

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

400'

19. PROPOSED DEPTH

7600'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DP, RT, GR, etc.)

6754 GR.

22. APPROX. DATE WORK WILL START\*

Aug. 1, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30#	400'	250 Sacks
7 7/8"	5 1/2"	15.5 & 17#	7600'	1300 Sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 7600' using 9.0 Gel based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recored on daily drilling report.

New 9 5/8" 32.30# surface casing will be set at approx. 400' and cemented with sufficient cement to circulate to surface.

(over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Charles D. [Signature] TITLE Superintendent DATE 12-6-82

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

APPROVED AS AMENDED

JAN 28 1983  
James P. Sims  
DISTRICT ENGINEER

OPERATOR

This action is subject to administrative appeal pursuant to 30 CFR 290.

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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 as shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plat, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 23:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-711-248

New 5 1/2" 15.5 & 17# casing will be cemented top to bottom with sufficient cement to circulate. Casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Pictured Cliffs Sands.

Centralizers will be run on casing thru Mesa Verde and Dakota Zones.

Well will be completed in Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Packer will be set between Mesa Verde and Dakota Zone.

New 2 1/6" LJ Tubing will be run thru packer to Dakota Zone.

New 2 1/6" LJ Tubing will be run to Mesa Verde Zone for Mesa Verde production.

Gas produced from this well contracted to Gas Company of New Mexico.

### Estimated Formation Tops:

Alamo	2306'
Pictured Cliffs	3056'
Chacra	3952'
Cliff House	4680'
Point Lookout	5402'
Gallup	6642'
Greenhorn	7235'
Dakota	7324'

BEFORE THE	
OIL CONSERVATION COMMISSION	
Santa Fe, New Mexico	
Case No. <u>8267</u>	Exhibit No. <u>3</u>
Submitted by <u>Caulkins</u>	
Hearing Date <u>9/12/84</u>	



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

5. LEASE DESIGNATION AND SERIAL NO.

SF 079035 A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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

7. UNIT AGREEMENT NAME

b. TYPE OF COMPLETION:  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. REVR.  Other \_\_\_\_\_

8. FARM OR LEASE NAME

Breach "A"

2. NAME OF OPERATOR

Caulkins Oil Company

9. WELL NO.

229-M

3. ADDRESS OF OPERATOR

P.O. Box 780 Farmington, New Mexico

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

At surface 1220' From North & 890' From East

At top prod. interval reported below Same

At total depth Same

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

Section 17 26 North 6 West

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

12. COUNTY OR PARISH  
Rio Arriba  
13. STATE  
New Mexico

15. DATE SPUDDED 6-10-83 16. DATE T.D. REACHED 6-24-83 17. DATE COMPL. (Ready to prod.) 8 3-83 18. ELEVATIONS (DP, SB, RT, GR, ETC.)\* 6754 GR 19. ELEV. CASINGHEAD 6754

20. TOTAL DEPTH, MD & TVD 7610 21. PLUG BACK I.D., MD & TVD 7610 22. IF MULTIPLE COMPL., HOW MANY\* (2) Two 23. INTERVALS DRILLED BY ROTARY TOOLS 0-7610 CABLE TOOLS No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 7342' - 7516' Dakota 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron & Gas Spectrum Logs 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
9 5/8"	36# H-40	421'	12 1/4"	300 sacks (354 Cu.Ft.)	None
5 1/2"	15.5 & 17#	7610'	7 5/8"	1300 sacks (2004 Cu.Ft.)	None

**29. LINER RECORD 30. TUBING RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	7426'	5566'

**31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE CEMENT SQUEEZE, ETC.**

INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1-.42-7342	1-.42-7444	1-.42-7516	7342 - 7516	150,000# 20-40 Sand and 2628 bbls. Cross Link Fluid
1-.42-7352	1-.42-7448			
1-.42-7358	1-.42-7503			
1-.42-7436	1-.42-7508			
1-.42-7440	1-.42-7512			

**33.\* PRODUCTION**

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
8-10-83	Flowing	Shut in					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
8-10-83	3 Hours	3/4			211		
FLOW. TUBING PRSS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
107	PKR			1,685			

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

Gas to be sold to Gas Co. of New Mexico (Condensate to Shell Oil Co.)

35. LIST OF ATTACHMENTS

Complete cement records

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

SIGNED Charles Vergara TITLE Superintendent DATE SEP-10-83

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

FARMINGTON RECORDS AREA  
FARMINGTON NEW MEXICO

OPERATOR

BY S

# 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 report 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

**38. GEOLOGIC MARKERS**

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Alamo	2346	2550	Water Sand	Alamo	2346	2346
Pictured Cliffs	2987	3087	Gas Sand	Pictured Cliffs	2987	2987
Mesa Verde	4900	5476	Gas Sand	Mesa Verde	4900	4900
Dakota	7300	7522	Gas Sand	Dakota	7300	7300
Hole Deviations Test						
			Depth:			
			421			
			915			
			1424			
			1939			
			2728			
			3146			
			3683			
			4029			
			4556			
			5047			
			5434			
			6100			
			6559			
			7108			
			Degrees			
			1/2			
			1/2			
			1/2			
			3/4			
			1			
			3/4			
			1/2			
			1			
			1			
			1 1/4			
			1			
			1			
			1			
			1 1/2			

Ran 5 1/2" Production Casing as follows:

7610' to 6587'	(1023')	New 5 1/2"	17#	ST&C	K-55 Smls. Casing
6587' to 1034'	(5553')	New 5 1/2"	15.5#	LT&C	K-55 Smls. Casing
1034' to Surface	(1034')	New 5 1/2"	17#	LT&C	K-55 Smls. Casing

Stage Tools run in Casing string at 5549' and 3477'.

Cement Baskets run on Casing string at 5633' and 3562'.

24 Centralizers run on Casing string at following points:

7568', 7529', 7486', 7443', 7408', 7366', 7323', 7280', 7238', 7197', 7154', 7111', 7069', 7035', 5591', 5508', 5468', 5427', 5385', 5346', 5303', 5262', 3519' and 3438'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 7610' with 412.50 Cu.Ft. (250 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 Sacks) Neat Cement.  
Plug down first stage 1:10 PM 6-25-83.

Second Stage cemented thru Stage Tool set at 5549' with 412.50 Cu.Ft. (250 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 Sacks) Neat Cement.  
Plug down second stage 2:15 PM 6-25-83

Thrid Stage thru Stage Tool set at 3477' with 825 Cu.Ft. (500 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 Sacks Neat Cement.  
Plug down 3:35 PM 6-25-83.

Cement circulated on all three stages.

Approx 2 bbls. slurry on first stage.  
Approx 1 bbls. slurry on second stage.  
Approx 5 bbls. slurry on third stage.

NO. OF COPIES RECEIVED	
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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
REGISTRATION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. OPERATOR

Operator: Caulkins Oil Company

Address: P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box):  
 New Well       Change in Transporter of:  
 Recombination       Oil       Dry Gas   
 Change in Ownership       Commingled Gas       Condensate

Other (Please explain):

If change of ownership give name and address of previous owner:

**RECEIVED**  
AUG 19 1983  
OIL CON. DIV. 1  
DIST. 3

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Breech "A"</u>	Well No. <u>229-M</u>	Pool Name, including Formation <u>Basin Dakota</u>	Kind of Lease State, Federal or Fee <u>Federal</u>	Lease No. <u>SF079035</u>
Location				
Unit Letter <u>A</u>	<u>1120</u> Feet From The <u>North</u> Line and <u>890</u> Feet From The <u>East</u>			
Line of Section <u>17</u>	Township <u>26 North</u>	Range <u>6 West</u>	N.M.P.M.	Rio Arriba County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Giant Refinery Company</u>	<u>P.O. Box 256 Farmington, New Mexico</u>
Name of Authorized Transporter of Commingled Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Gas Company of New Mexico</u>	<u>1508 Pacific Ave. Dallas, Texas</u>
If well produces oil or liquids, give location of tanks.	Unit    Sec.    Twp.    Rge.    Is gas actually connected?    When
	<u>A    17    26N    6W    No</u>

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Resrv.	Diff. Resrv.
		X	X					
Date Spudded <u>6-10-83</u>	Date Compl. Ready to Prod. <u>8-3-83</u>	Total Depth <u>7610'</u>		P.B.T.D. <u>-7610'</u>				
Elevations (DF, RKB, RT, GR, etc.) <u>6754 GR</u>	Name of Producing Formation <u>Dakota</u>	Top Oil/Gas Pay <u>7342'</u>		Tubing Depth <u>-7426'</u>				
Perforations <u>7342' - 7516' Dakota</u>			Depth Casing Shoe <u>-7610'</u>					
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET		SACKS CEMENT				
<u>12 1/4"</u>	<u>9 5/8"</u>	<u>421'</u>		<u>300 sacks (354 Cu. Ft.)</u>				
<u>7 5/8"</u>	<u>5 1/2"</u>	<u>7610'</u>		<u>1300 sacks (2004 Cu. Ft.)</u>				
	<u>1 1/2"</u>	<u>7426'</u>						

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

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

GAS WELL

Actual Prod. Test - MCF/D <u>1,685</u>	Length of Test <u>3 Hours</u>	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (press. back pr.) <u>Back Pressure</u>	Tubing Pressure (Shut-In) <u>2.193</u>	Casing Pressure (Shut-In) <u>PKR</u>	Choke Size <u>3/4"</u>

VI. CERTIFICATE OF COMPLIANCE

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

Charles W. Moore  
(Signature)  
Superintendent  
(Title)  
8-17-83  
(Date)

OIL CONSERVATION DIVISION  
AUG 19 1983  
APPROVED \_\_\_\_\_, 12  
BY \_\_\_\_\_  
SUPERVISOR DISTRICT #3  
TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowables on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 1, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF  
GAS FROM THE Caulkins Oil Company  
OPERATOR

Breech A LEASE 229-M WELL UNIT (A)17-26N-06W S - T - R  
Basin Dakota POOL Gas Company of New Mexico NAME OF PURCHASER  
WAS MADE ON 11-29-83 DATE , FIRST DELIVERY 11-29-83 DATE  
1685  
INITIAL POTENTIAL

/kn

cc:

OPERATOR

New Mexico Oil Conservation Commission - Aztec  
Minerals Management Service - Oil & Gas  
Mr. E.R. Corliss, Engineering  
Mr. R.J. McCrary, Gas Contracts Adm.  
Prorations Dept., Albuquerque  
Mr. Robert Utay, Gas Accounting  
Mr. Joel Levine, Gas Supply  
Chart Office, Kutz  
Mr. Perry McFarland, Kutz  
File

Gas Company of New Mexico  
PURCHASER

J.R. Large  
REPRESENTATIVE

J.R. Large  
Dispatch Manager  
TITLE

All distances must be from the outer boundaries of the Section.

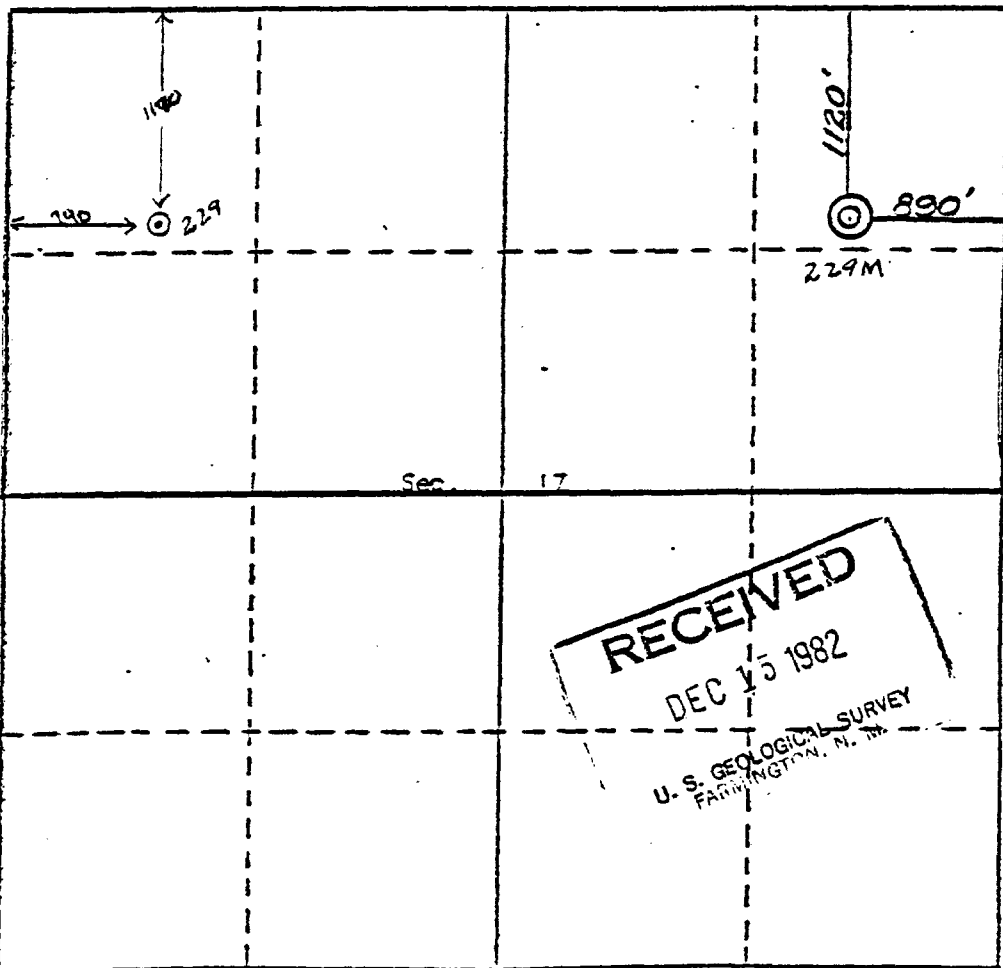
Operator <b>CAULKINS OIL COMPANY</b>			Lease <b>Breach "A"</b>			Well No. <b>229-M</b>		
Unit Letter <b>A</b>	Section <b>17</b>	Township <b>26N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>				
Actual Spatoge Location of Wells <b>1120</b> feet from the <b>North</b> line and <b>390</b> feet from the <b>East</b> line								
Ground Level Elev. <b>6754</b>	Producing Formation <b>Mesa Verde Dakota</b>			Pool <b>Blanco Mesa Verde Basin Dakota</b>		Dedicated Acres <b>320</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



**CERTIFICATION**

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

*Charles Verquer*  
Name

**Charles Verquer**  
Position

**Superintendent**  
Company

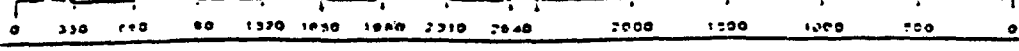
**Caulkins Oil Company**  
Date

**12-13-82**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**RECEIVED**  
**DEC 15 1982**  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

*Charles Verquer*  
Date Surveyed  
**REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR**  
**CURTIS C. STUCKING**  
Certificate No. **598**



# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

DAKOTA

229 229-M Infil

229

229-M

<u>Month</u>	<u>Production</u>	<u>Days On</u>	<u>Production</u>	<u>Days On</u>
11-29-83	8,401	31	Shut-In	
12-83	4,433	22	30,278	26
1-84	4,861	26	12,999	14
2-84	5,105	31	24,527	31
3-84	2,956	24	14,340	27
4-84	3,900	21	14,814	26
5-84	2,574	30	4,224	16
<u>Total</u>	<u>32,230</u>	<u>185</u>	<u>101,182</u>	<u>140</u>

# CAULKINS OIL COMPANY

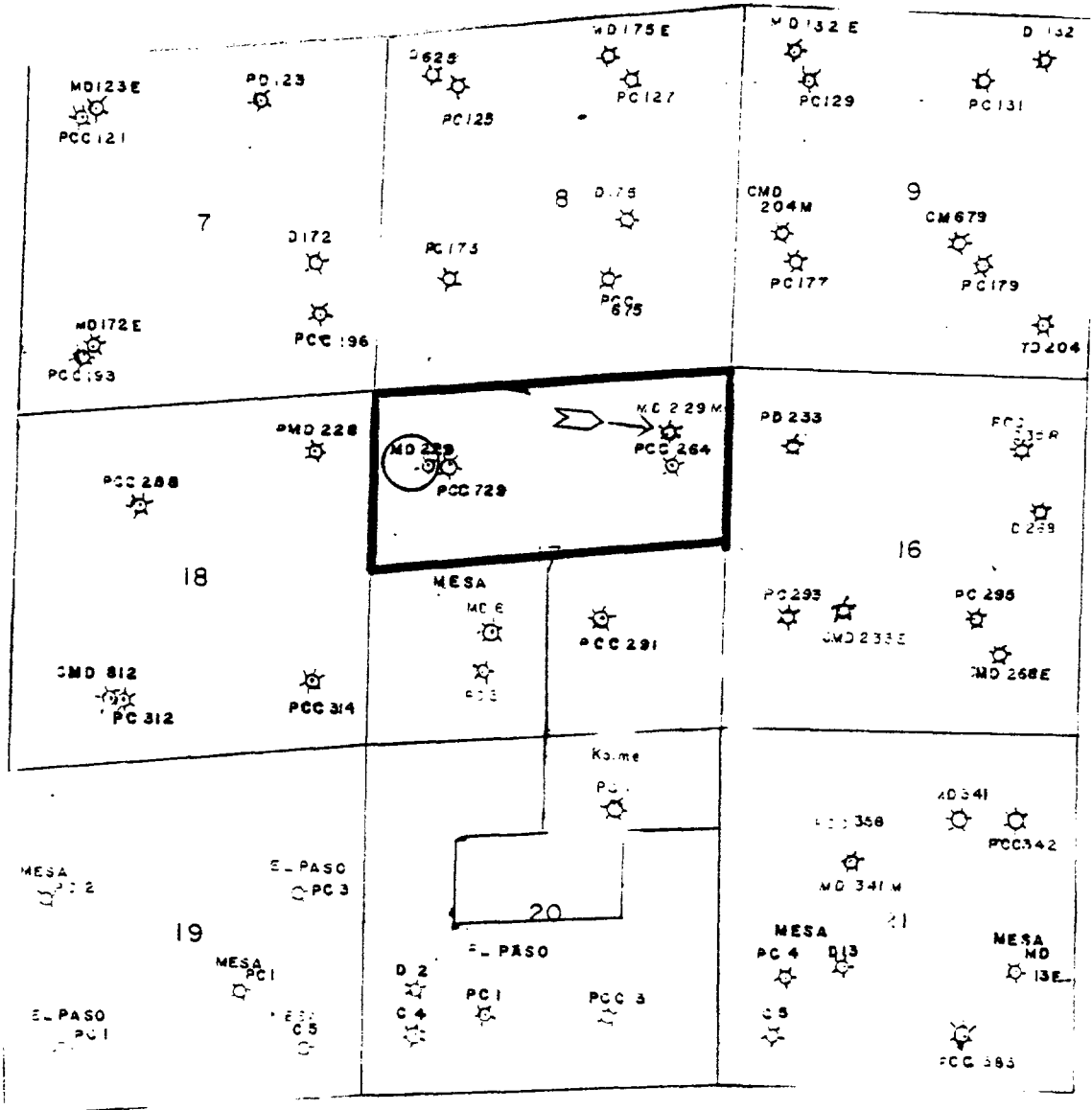
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 17 26N 6W, Rio Arriba County, N.M.

Well No. 229 - Original well Dakota Zone, marked with circle.

Well No. 229-M - Infil well Dakota Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



P or PC = Pictured Cliffs Completion  
 C = Chacra Completion  
 M or MV = Mesa Verde Completion  
 D = Dakota Completion



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

3. LEASE DESIGNATION AND SERIAL NO.  
NM 03553

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breach D

9. WELL NO.  
140M

10. FIELD AND POOL, OR WILDCAT Basin Dakota  
Blanco Mesa Verde

11. SEC., T., R., M., OR B.L. AND SURVEY OR AREA  
Section 11 26N 6W

12. COUNTY OR PARISH 13. STATE  
Rio Arriba New Mexico

14. NO. OF ACRES IN LEASE 17. NO. OF ACRES ASSIGNED TO THIS WELL  
320

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
Infil Mesa Verde and Dakota

19. ROTARY OR CABLE TOOLS  
Rotary

22. APPROX. DATE WORK WILL START  
August 5, 1982

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
At surface  
880' From the North and 1028' From the East

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
same  
35 Miles Southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
880'

16. PROPOSED DEPTH  
7600

18. ELEVATIONS (Show whether D.F., R.T., G.L., etc.)  
6597 GR

**RECEIVED**  
JUL 21 1982

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30	300	250 Sacks
7 7/8"	5 1/2"	15.5 & 17	7600	1400 Sacks

Surface formation San Jose. No Abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 7600 9.0 Gal based mud. Float will be run in drill pipe at bit. Es Induction Log will be run in open hole. A Schaeffer 10" Model IWP 6000# test BOP will be in use at all times while drilling and cementing. BOP will be tested at least one time during each 24 hour periods and results recorded on daily drilling report.

New 9 5/8" surface casing will be set at approx. 300' and cemented with sufficient cement to circulate to surface.

New 5 1/2" 15.5 and 17 casing will be cemented top to bottom with sufficient cement to circulate. Casing will be cemented in 3 stages with tools set 51' below Point Lookout Sands and Below Pictured Cliffs Sands. (over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: IF proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. IF proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Charles DePue TITLE Superintendent DATE July 20, 1982

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

OPERATOR

**APPROVED  
AS AMENDED**

DATE  
OCT 01 1982  
James F. Sims  
for JAMES F. SIMS  
DISTRICT ENGINEER

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plate, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

★ U.S. GOVERNMENT PRINTING OFFICE : 1963-O-711-398

Centralizers will be run on casing thru Mesa Verde and Dakota zone.

Well will be completed in Mesa Verde and Dakota zones.

Packer will be set between Mesa Verde zone and Dakota zone.

New 2 1/16" LJ tubing will be run thru packer to Dakota zone.

New 1 1/4" LJ tubing will be run to Mesa Verde zone for Mesa Verde production.

All zones will be perforated and fractured to stimulate production.

Gas produced from this well contracted to Gas Company of New Mexico.

Estimated Formation Tops:

Alamo	2545
Pictured Cliffs	3112
Cliff House	4803
Point Lookout	5403
Greenhorn	7250
Graneros	7330
Dakota	7460

BEFORE THE  
OIL CONSERVATION COMMISSION  
San Francisco, California  
Case No. 8267 Exhibit No. 4  
Submitted by Caulkins  
Hearing Date 9/12/84

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG\***

5. LEASE DESIGNATION AND SERIAL NO.

NM 03553

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Brecch "D"

9. WELL NO.

140-M

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Section 11 26North 6West

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 880' From North & 1128' From West  
At top prod. interval reported below Same  
At total depth Same

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUDDED 5-28-83 16. DATE T.D. REACHED 6-9-83 17. DATE COMPL. (Ready to prod.) 7-20-83 18. ELEVATIONS (DF, RER, RT, GR, ETC.)\* 6597 GR 19. ELEV. CASINGHEAD 6597

20. TOTAL DEPTH, MD & TVD 7592 21. PLUG, BACK T.D., MD & TVD 7580 22. IF MULTIPLE COMPL., HOW MANY\* (2) Two 23. INTERVALS DRILLED BY → ROTARY TOOLS 0-7592 CABLE TOOLS No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 7538 - 7300 Dakota 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN ES Gamma Ray and Gas Spectrum Logs 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
9 5/8"	36# H-40	401'	12 1/4"	354 Cu. Ft. (100 Sacks)	None
5 1/2"	15.5 & 17#	7592	7 5/8"	2004 Cu. Ft. (1300 Sacks)	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	7477'	5576'

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1-.42-7300		1	7300 - 7538	150,000# 20-40 Sand and 2353 bbls. Cross Link Fluids
1-.42-7308		1		
1-.42-7324		1		
1-.42-7340		1		
1-.42-7430		1		
1-.42-7434		1		
1-.42-7442		1		
1-.42-7446		1		
1-.42-7464		1		
1-.42-7477		1		

33. PRODUCTION

DATE FIRST PRODUCTION 7-27-83 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST 7-27-83 HOURS TESTED 3 Hours CHOKER SIZE 3/4" PROD'N. FOR TEST PERIOD → OIL—BBL. \_\_\_\_\_ GAS—MCF. 179 WATER—BBL. \_\_\_\_\_ GAS-OIL RATIO \_\_\_\_\_

FLOW. TUBING PRESS. 89 CASING PRESSURE PKR CALCULATED 24-HOUR RATE → OIL—BBL. \_\_\_\_\_ GAS—MCF. 1,430 WATER—BBL. \_\_\_\_\_ OIL GRAVITY-API (CORR.) \_\_\_\_\_

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas is to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.) TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
Complete cementing records

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

SIGNED Charles Vergara TITLE Superintendent DATE 7-29-83

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

*Accepted for Record Aug 19, 83*

# 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 FOROS 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 PRESSURE, AND RECOVERIES

FORMATION	TOP		BOTTOM		DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
	MEAS. DEPTH	TRUE VERT. DEPTH	MEAS. DEPTH	TRUE VERT. DEPTH		NAME	MEAS. DEPTH
Alamo	2484		2583		Water Sand		
Pictured Cliffs	3078		3136		Gas Sand		
Mesa Verde	4756		5484		Gas Sand		
Dakota	7300		7564		Gas Sand		
					Hole Deviation Test		
			Depth	Depth	Degrees	Depth	Degrees
			401	4200	3/4	4200	1 3/4
			915	4710	3/4	4710	1 3/4
			1422	5228	3/4	5228	1 1/2
			1930	5682	1	5682	1 1/2
			2444	6166	1	6166	1 1/2
			3143	6677	1	6677	1 1/4
			3626	7182	1 1/4	7182	1 1/4
			4109	7592	1 1/4	7592	1 1/4

Ran 5 1/2" Production Casing as follows:

7592' to 6568'	(1024.17)	New 5 1/2"	17#	ST&C	K-55 Smls
6568' to 1063'	(5504.81)	New 5 1/2"	15.5#	LT&C	K-55 Smls
1063' to Surface	(1036.64)	New 5 1/2"	17#	LT&C	K-55 Smls

Stage Tools run in Casing string at 5566' and 3399'.

Cement Baskets run on Casing string at 5649' and 3481'.

24 Centralizers run on Casing string at following points:

7549', 7506', 7463', 7419', 7376', 7333', 7289', 7247', 7204', 7163', 7120', 7077', 7035', 6992', 5606', 5524', 5482', 5439', 5398', 5356', 5317', 5274', 3440' and 3357'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 7592' with 412.50 Cu. Ft. (250 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 Sacks) Neat Cement.  
Plug down first stage 2:50 PM 6-9-83

Second Stage cemented thru Stage Tool set at 5566' with 412.50 Cu. Ft. (250 sacks) 50-50 Poz, 6% Gel. 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 sacks) Neat cement.  
Plug down second stage 4:00 PM 6-9-83

Third Stage cemented thru Stage Tool set at 3399' with 825 Cu. Ft. (500 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 sacks) Neat Cement.  
Plug down third stage 6:40 PM 6-9-83.

Cement circulated on all three stages.

Approx 2 bbls. slurry on first stage.  
Approx 1 bbls. slurry on second stage.  
Approx 5 bbls. slurry on third stage.

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

I. Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well  Change in Transporter of:

Recompletion  Oil  Dry Gas

Change in Ownership  Casinghead Gas  Condensate

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Breech "D"</u>	Well No. <u>140-M</u>	Pool Name, including Formation <u>Basin Dakota</u>	Kind of Lease State, Federal or Fee <u>Federal</u>	Lease No. <u>NM 03553</u>
Location Unit Letter <u>D</u> ; <u>880</u> Feet From The <u>North</u> Line and <u>1028</u> Feet From The <u>West</u>				
Line of Section <u>11</u> Township <u>26 North</u> Range <u>6 West</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Inland Corporation</u>	<u>P.O. Box 1528 Farmington New Mexico</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Gas Company of New Mexico</u>	<u>1508 Pacific Ave. Dallas, Texas</u>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. is gas actually connected? When
<u>D 11 26N 6W</u>	<u>No</u>

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Dist. Res'
		X	X					
Date Spudded <u>5-28-83</u>	Date Compl. Ready to Prod. <u>7-20-83</u>	Total Depth <u>7592</u>	P.B.T.D. <u>7580</u>					
Elevations (DF, RKB, RT, GR, etc.) <u>6597 GR</u>	Name of Producing Formation <u>Dakota</u>	Top Oil/Gas Pay <u>7300</u>	Tubing Depth <u>7427</u>					
Perforations <u>7538 - 7300 Dakota</u>			Depth Casing Shoe <u>7592</u>					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
<u>12 1/4"</u>	<u>9 5/8"</u>	<u>401'</u>	<u>354 Cu.Ft. (100 Sacks)</u>					
<u>7 5/8"</u>	<u>5 1/2"</u>	<u>7592'</u>	<u>2004 Cu.Ft. (1300 Sacks)</u>					
	<u>1 1/2"</u>	<u>7592'</u>						

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

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

GAS WELL

Actual Prod. Test-MCF/D <u>1,430</u>	Length of Test <u>3 Hours</u>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) <u>Back Pressure</u>	Tubing Pressure (Shut-in) <u>1,121</u>	Casing Pressure (Shut-in) <u>PKR</u>	Choke Size <u>3/4"</u>

VI. CERTIFICATE OF COMPLIANCE

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

[Signature]  
(Signature)  
Superintendent  
(Title)  
7-29-83  
(Date)

OIL CONSERVATION DIVISION  
9-23-83 SEP 23 1983  
APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY [Signature]  
TITLE Superintendent SUPERVISOR DISTRICT # \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviat tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner well name or number, or transporter, or other such change of conditions.  
Separate Forms C-104 must be filled for each pool in multi-completed wells.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 6, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company

OPERATOR

Breech D LEASE 140-M WELL UNIT (D) 11-26N-06W S - T - R

Basin Dakota POOL Gas Company of New Mexico NAME OF PURCHASER

WAS MADE ON 12-6-83 DATE , FIRST DELIVERY 12-6-83 DATE

1430  
INITIAL POTENTIAL

Gas Company of New Mexico  
PURCHASER

J.R. Large  
REPRESENTATIVE  
J.R. Large  
Dispatch Manager  
TITLE

/kn

cc: OPERATOR  
New Mexico Oil Conservation Commission - Aztec  
Minerals Management Service - Oil & Gas  
Mr. E.R. Corliss, Engineering  
Mr. R.J. McCrary, Gas Contracts Adm.  
Mr. Robert Utay, Gas Accounting  
Mr. Joel Levine, Gas Supply  
Prorations Dept., Albuquerque  
Chart Office, Kutz  
Mr. Perry McFarland, Kutz  
File

All distances must be from the outer boundaries of the Section.

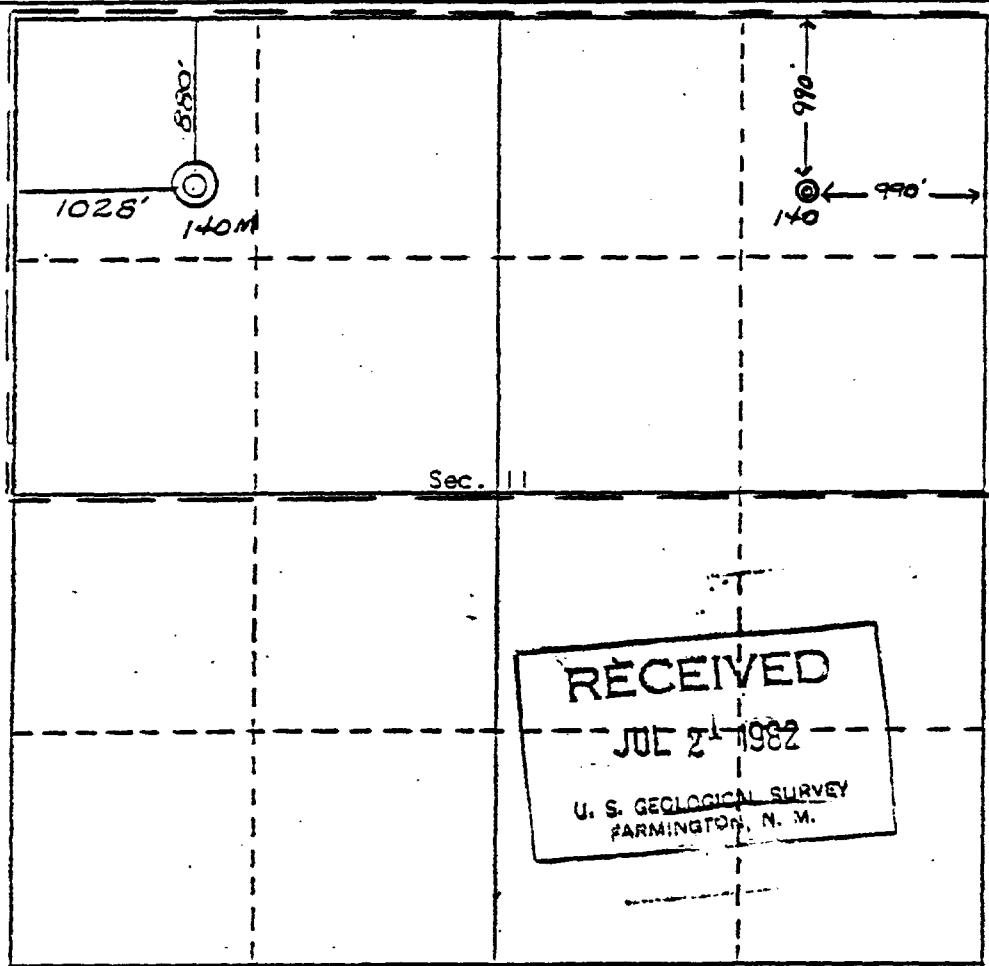
Operator <b>CAULKINS OIL COMPANY</b>		Lease <b>Breach D</b>			Well No. <b>140-M</b>
Unit Letter <b>D</b>	Section <b>11</b>	Township <b>26 NORTH</b>	Range <b>6 WEST</b>	County <b>RIO ARriba</b>	
Actual Footage Location of Wells: <b>880</b> feet from the <b>NORTH</b> line and <b>1028</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>6597.0</b>	Producing Formation <b>Mesa Verde &amp; Dakota</b>		Pool <b>Blanco Mesa Verde &amp; Basin Dakota</b>	Dedicated Acreage: <b>320</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



CERTIFICATION

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

*Charles E. Verquer*  
Name

**Charles E. Verquer**  
Position  
**Superintendent**

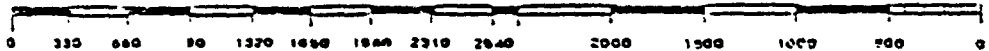
Company  
**Caulkins Oil Company**

Date  
**July 20, 1982**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
*[Signature]*  
Registered Professional Engineer  
and Land Surveyor  
**C. STORVING**

Certificate No.  
**5980**





# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

DAKOTA

140 140-M Infil

Month	140		140-M	
	Production	Days On	Production	Days On
12-6-83	7,344	30	8,488	19
1-84	6,225	27	10,340	24
2-84	4,614	24	11,433	<del>31</del> 24
3-84	4,408	28	10,042	29
4-84	3,898	31	9,678	31
5-84	1,300	11	5,461	24
<hr/>				
Total	27,789	151	55,442	<del>158</del> 151

# CAULKINS OIL COMPANY

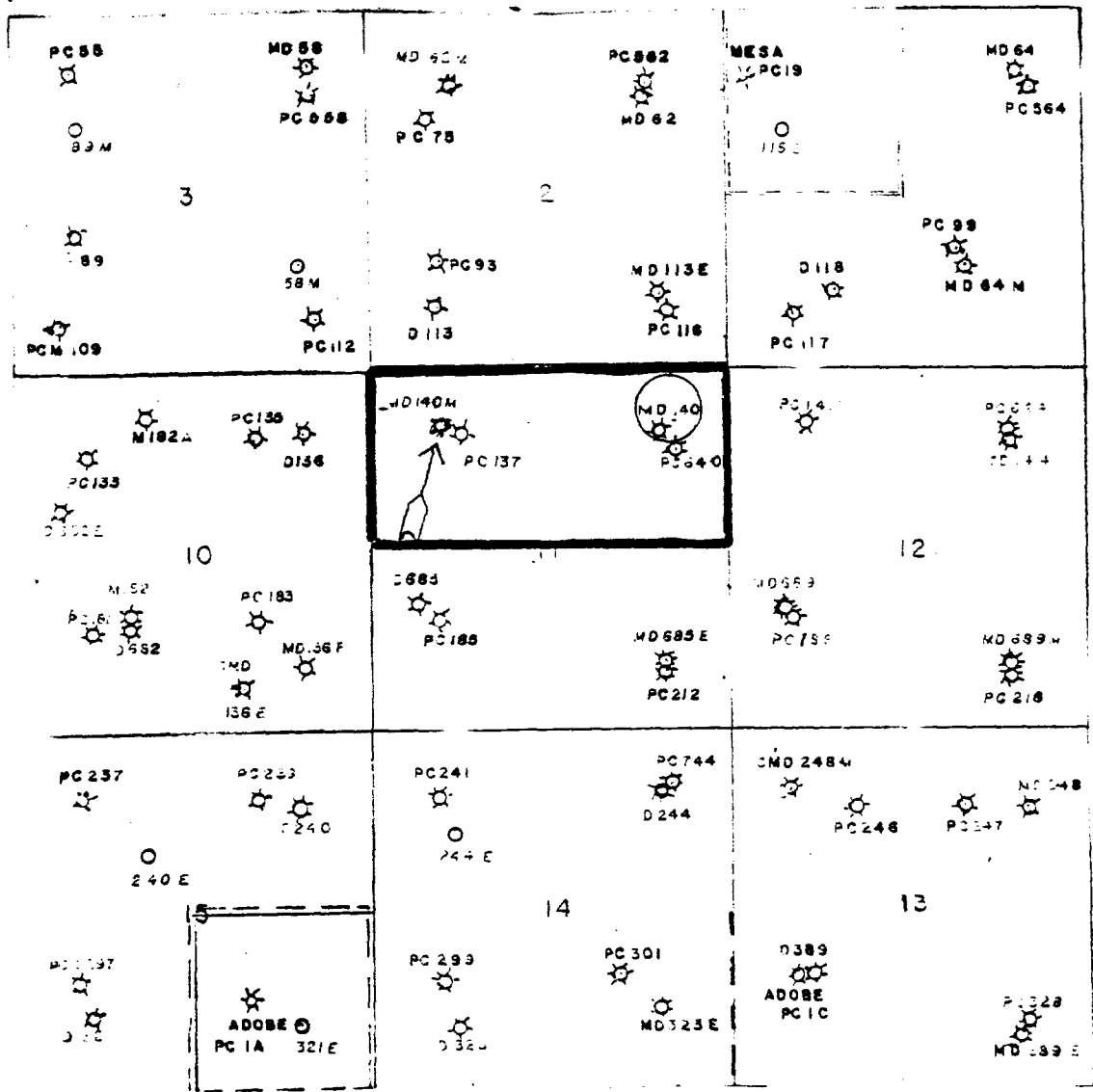
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 11 26N 6W, Rio Arriba County, N.M.

Well No. 140 - Original well Dakota Zone, marked with circle.

Well No. 140-M - Infil well Dakota Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion

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OPERATOR	

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.  
E 291 17

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
DRILL  DEEPEN  PLUG BACK

b. Type of Well  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. Name of Operator  
Caulkins Oil Company

3. Address of Operator  
P.O. Box 780, Farmington, New Mexico 87499

4. Location of Well  
UNIT LETTER D LOCATED 1040 FEET FROM THE North LINE  
AND 1120 FEET FROM THE West LINE OF SEC. 2 TWP. 26 N RGE. 6 W NMPW

7. Unit Agreement Name

8. Form or Lease Name  
State A

9. Well No.  
62 M

10. Field and Pool, or Wildcat  
Basin Dakota  
Blanco Mesa Verde

12. County  
Rio Arriba

19. Proposed Depth  
7600'

19A. Formation  
Dakota

20. Rotary or C.T.  
Rotary

21. Elevations (Show whether DP, RT, etc.)  
6592 Gr.

21A. Kind & Status Plug. Bond

21B. Drilling Contractor  
Aztec Well Service

22. Approx. Date Work will start  
May 1, 1983

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13 3/4"	9 5/8"	32.30	300'	250(293 CuFt)	Surface
7 7/8"	5 1/2"	15.5 & 17	7600'	1400(2000 CuFt)	Surface

It is proposed to drill Dakota Infill well to approx. 7600'. 5 1/2" 15.5# and 17# sml. casing to be run to TD and cemented in 3 stages with sufficient cement to circulate to surface.

Well will be drilled with 9.0# fluids surface to TD. A 10" 3000# WP, 6000# test BOP will be in use at all times while drilling below surface pipe.

This acreage dedicated to Gas Company of New Mexico.

Subject to Approval by OCD, well will be Dual Completed, with packer set between Dakota and Mesa Verde zones. Both zones will be perforated and sand-water frac'ed individually to stimulate production.

RECEIVED  
MAR 15 1983

OIL CON. DIV.  
DIST. 3

ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK. GIVE DATA ON PRESENT PRODUCTION ZONES AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

By Charles E. Versauer Title Superintendent Date 3-14-83

(This space for State Use)

SUPERVISOR DISTRICT # 3

MAR 15 1983

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
DATE Sept 15, 1983  
SUBMITTED

12.50.01 TIME  
O: L CONSTITUTIONAL COMMISSION  
San Francisco, California  
Case No. 8267 Exhibit No. 5  
Submitted by Caulkins  
Hearing Date 9/12/84

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

**RECEIVED**  
AUG 11 1983  
OIL CON. DIV. 3

Form G-105  
Revised 11-68

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No. E-291-17	
7. Unit Agreement Name	
8. Farm or Lease Name State "A"	
9. Well No. 62-M	
10. Field and Pool, or Wildcat Basin Dakota	
12. County Rio Arriba	

14. TYPE OF WELL  
OIL WELL  GAS WELL  ANY  OTHER \_\_\_\_\_

b. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER \_\_\_\_\_

2. Name of Operator  
Caulkins Oil Company

3. Address of Operator  
P.O. Box 780 Farmington, New Mexico 87499

4. Location of Well  
UNIT LETTER D LOCATED 1040 FEET FROM THE North LINE AND 1120 FEET FROM

15. Date Spudded 5-14-83 16. Date T.D. Reached 5-26-83 17. Date Compl. (Ready to Prod.) 7-7-83 18. Elevations (DF, RKB, RT, GR, etc.) 6592 GR 19. Elev. Casinghead 6592

20. Total Depth 7612' 21. Plug Back T.D. 7612' 22. If Multiple Compl., How Many (2) Two 23. Intervals Drilled By  
Rotary Tools 0-7612 Cable Tools No

24. Producing Interval(s), of this completion - Top, Bottom, Name  
7590' - 7372' Dakota 25. Was Directional Survey Made No

26. Type Electric and Other Logs Run  
ES Gamma Ray and Spectrum Logs 27. Was Well Cored No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36# H-40	403'	13 3/4"	354 Cu.Ft. (300 Sacks)	None
5 1/2"	15.5 & 17#	7612'	7 7/8"	2004 Cu.Ft. (1300 Sacks)	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					1 1/2"	7555'	5654'

31. Perforation Record (Interval, size and number)

1-.42-7590	1-.42-7536	1-.42-7372
1-.42-7583	1-.42-7530	
1-.42-7578	1-.42-7494	
1-.42-7573	1-.42-7488	
1-.42-7554	1-.42-7476	

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7590 - 7372	187,000# 20-40 Sand and 3293 bbls. Cross Link Fluids

33. PRODUCTION

Date First Production 7-14-83 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Shut-in

Date of Test 7-14-83 Hours Tested 3 Hours Choke Size 3/4" Prof'n. For Test Period → Oil - Bbl. Gas - MCF 216 Water - Bbl. Gas - Oil Ratio

Flow Tubing Press. 110 Casing Pressure PKR Calculated 24-Hour Rate → Oil - Bbl. Gas - MCF 1,727 Water - Bbl. Oil Gravity - API (Corr.)

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Gas to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.) Test Witnessed By

35. List of Attachments  
Complete Cementing records.

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Charles A. [Signature] TITLE Superintendent DATE 7-18-83

**INSTRUCTIONS**

This form is to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and photographic logs run on the well and a summary of all special tests conducted, including well stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Zones 30 through 34 shall be reported for each zone. The form is to be filed in triplicate except on state land, where six copies are required. See Rule 1105.

**INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE**

**Southeastern New Mexico**

**Northwestern New Mexico**

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____ <b>2537</b>	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland <b>2660</b>	T. Penn. "C" _____
D. Salt _____	T. Atoka _____	T. Pictured Cliffs <b>3111</b>	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House <b>4825</b>	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee <b>4855</b>	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout <b>5351</b>	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos <b>5473</b>	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup <b>-6676</b>	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn <b>7320</b>	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota <b>7348</b>	T. _____
T. Blinebry _____	T. Gr. Wash _____	T. Morrison _____	T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____	T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____	T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____	T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____	T. _____
T. Penn. _____	T. _____	T. Permian _____	T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____	T. _____

**OIL OR GAS SANDS OR ZONES**

No. 1, from _____ to _____	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. _____

**FORMATION RECORD (Attach additional sheets if necessary)**

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	2537	2537	Sand and Shale				
2537	2660	123	Water and Shale				
2660	3111	451	Sand and Shale				
3111	3180	69	Gas Sands				
3180	4825	1645	Sand and Shale				
4825	4855	30	Gas Sands				
4855	5351	496	Sand and Shale				
5351	5473	122	Gas Sands				
5473	7348	1875	Sand and Shale				
7348	7612	264	Gas Sands				

Ran 5 1/2" Production Casing as follows:

7612' to 6609'	(1003')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
6609' to 5579'	(5579')	New 5 1/2"	15.5#	LTEC	K-55 Smls Casing
1030' to Surface	(1030')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 5608' and 3446'.

Cement Baskets run on Casing string at 5692' and 3530'.

24 Centralizers run on Casing string at following points:

7570', 7529', 7487', 7444', 7402', 7361', 7320', 7278', 7236', 7193', 7151', 7113', 7071', 7029', 5649', 5568', 5525', 5483', 5443', 5400', 5361', 5320', 3487' and 3404'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 7612' with 412.50 Cu.Ft. (250 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.  
Plug down first stage 8:20 PM 5-27-83

Second Stage cemented thru Stage Tool set at 5608' with 412.50 Cu.Ft. (250 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.  
Plug down second stage 9:30 PM 5-27-83

Third Stage cemented thru Stage Tool set at 3446'. With 825 Cu.Ft. (500 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.  
Plug down third stage 11:00 PM 5-27-83

Cement circulated on all three Stages.

Approx 2 bbls. slurry on first stage.  
Approx 1 bbls. slurry on second stage.  
Approx 5 bbls. slurry on third stage.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

NO. OF COPIES RECEIVED	
DISTRIBUTION	
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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
REGISTRATION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well  Change in Transporter of:  
Recompletion  Oil  Dry Gas   
Change in Ownership  Casinthead Gas  Condensate

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name State "A"	Well No. 62 N	Pool Name, including Formation Basin Dakota	Kind of Lease State, Federal or Fee State	Lease No. E-291-17
Location Unit Letter <u>D</u> ; <u>1040</u> Feet From The <u>North</u> Line and <u>1120</u> Feet From The <u>West</u>				
Line of Section <u>2</u> Township <u>26 North</u> Range <u>6 West</u> , NMPM. <u>Rio, Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Giant Refinery Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 780 Farmington, New Mexico
Name of Authorized Transporter of Casinthead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Gas Company of New Mexico	Address (Give address to which approved copy of this form is to be sent) 1508 Pacific Ave. Dallas, Texas
If well produces oil or liquids, give location of tanks. Unit <u>D</u> Sec. <u>2</u> Twp. <u>26 N</u> Rge. <u>6 W</u>	Is gas actually connected? <u>No</u> When _____

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resrv.	Diff. Resrv.
		X	X					
Date Spudded 5 14-83	Date Compl. Ready to Prod. 7-7-83	Total Depth 7612'	P.S.T.D. 7612'					
Elevations (DF, RKB, RT, GR, etc.) 6592 GR	Name of Producing Formation Dakota	Top Oil/Gas Pay 7372'	Tubing Depth 7555'					
Perforations 7590' to 7372' Dakota			Depth Casing Shoe 7612'					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
13 3/4"	9 5/8"	403'	354 Cu.Ft. (300 sacks)					
7 7/8"	5 1/2"	7612'	2004 Cu.Ft. (1300 sacks)					
	1 1/2"	7555'						

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

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

GAS WELL

Actual Prod. Test-MCF/D <u>1727</u>	Length of Test 3 Hours	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (prior, back pr.) Back Pressure	Tubing Pressure (Shut-in) <u>1100</u>	Casing Pressure (Shut-in) <u>PKR</u>	Choke Size 3/4"

VI. CERTIFICATE OF COMPLIANCE

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

Charles E. Vergues  
(Signature)

Superintendent

(Title)

8-8-83

(Date)

OIL CONSERVATION DIVISION

APPROVED SEP 23 1983, 19

BY [Signature]

SUPERVISOR DISTRICT # 3

TITLE \_\_\_\_\_

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

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

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

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

Separate Forms C-104 must be filed for each pool in multi-completed wells.



OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 15, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company

OPERATOR

State A

62-M

(D)02-26N-06W

LEASE

WELL UNIT

S - T - R

Basin Dakota

Gas Company of New Mexico

POOL

NAME OF PURCHASER

WAS MADE ON 12-13-83

, FIRST DELIVERY 12-13-83

DATE

DATE

1727

INITIAL POTENTIAL

Gas Company of New Mexico  
PURCHASER

*J.R. Large*  
REPRESENTATIVE  
J.R. Large  
Dispatch Manager  
TITLE

/kn

cc: OPERATOR  
New Mexico Oil Conservation Commission - Aztec  
Minerals Management Service - Oil & Gas  
Mr. E.R. Corliss, Engineering  
Mr. R.J. McCrary, Gas Contracts Adm.  
Mr. Robert Utay, Gas Accounting  
Mr. Joel Levine, Gas Supply  
Prorations Dept., Albuquerque  
Chart Office, Kutz  
Mr. Perry McFarland, Kutz  
File

FORM 29-43 11-76

Distances must be from the outer boundaries of the section.

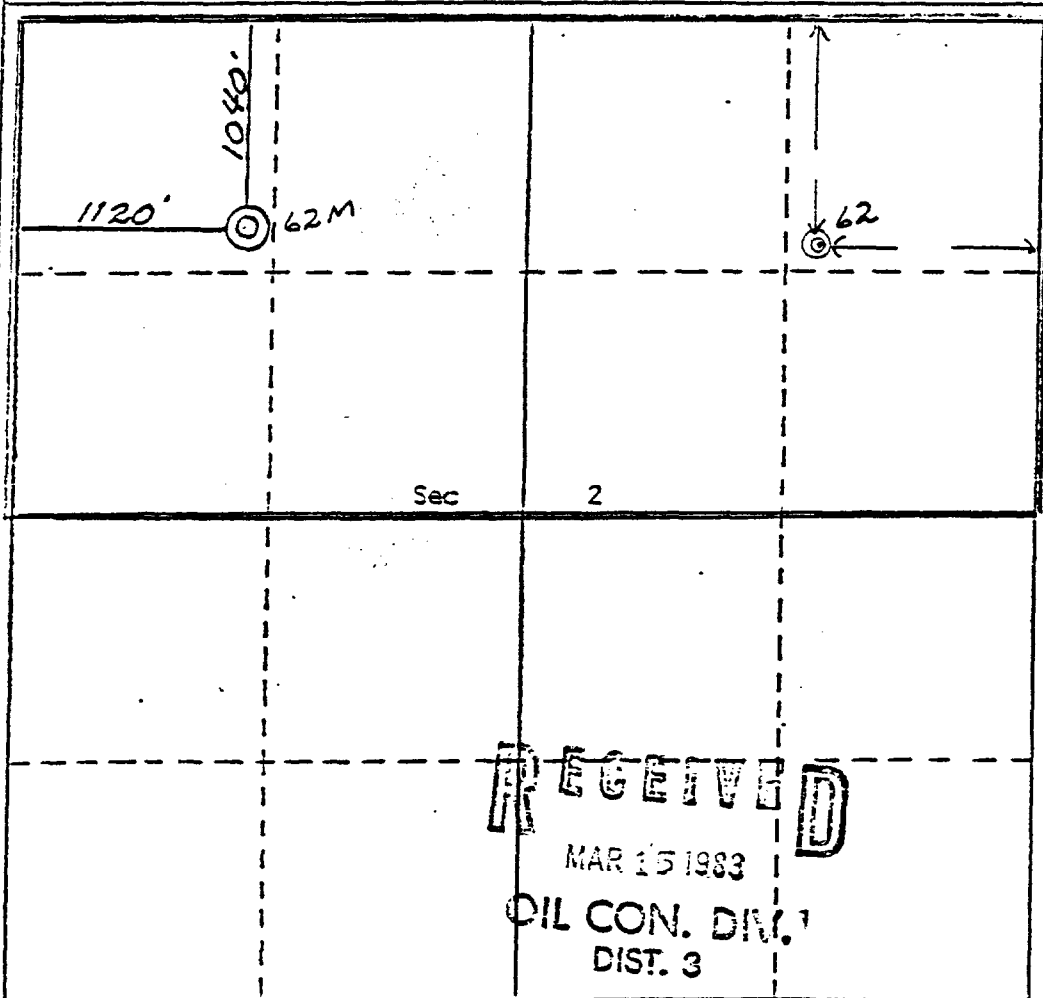
Operator CAULKINS OIL COMPANY		Lease State "A"		Well No. 62-M
Unit Letter D	Section 2	Township 25N	Range 6W	County Rio Arriba
Actual Footage Location of Wells 1040 feet from the North line and 1120 feet from the West line				
Ground Level Elev. 6592	Producing Formation Mesa Verde - Dakota	Pool Blanco Mesa Verde - Basin Dakota	Dedicated Acreage 32.3 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

*Charles Verquer*  
Charles Verquer

Name  
Superintendent

Position  
Caulkins Oil Company

Company  
3-4-83

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

RECEIVED  
MAR 15 1983  
OIL CON. DIV.  
DIST. 3

Registered Professional Engineer and/or Land Surveyor  
5980  
Curtis L. Stocking

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

DAKOTA

62 62-M Infil

Month	Production	62 Days On	Production	62-M Days On
12-13-83	4,086	29	6,847	12
1-84	Shut-in		9,882	24
2-84	3,082	11	11,533	31
3-84	4,108	19	7,339	23
4-84	2,979	10	9,481	31
5-84	3,375	19	4,160	16
<b>Total</b>	<b>17,630</b>	<b>88</b>	<b>49,242</b>	<b>137</b>

# CAULKINS OIL COMPANY

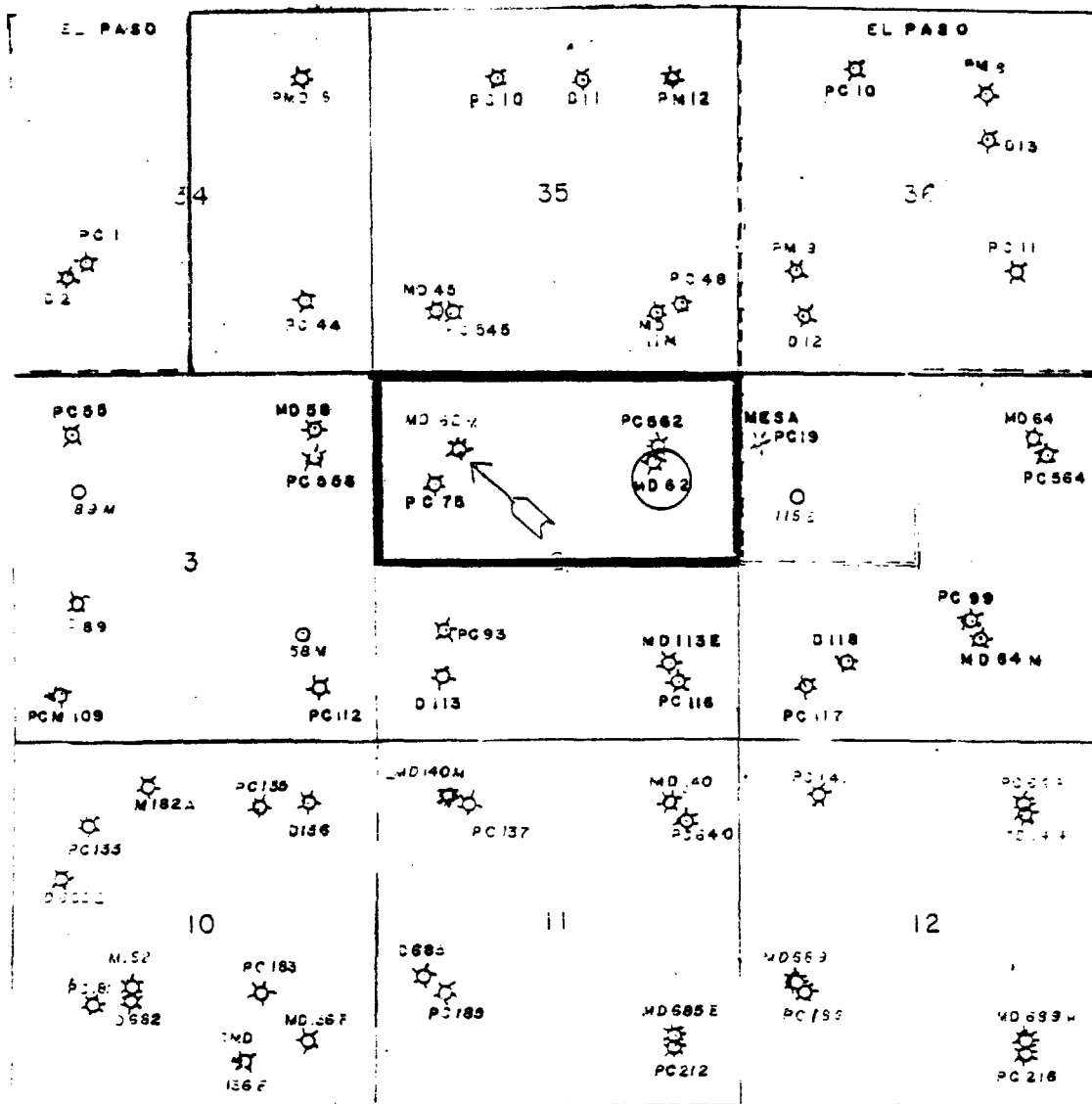
P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 2 26N 6W, Rio Arriba County, N.M.

Well No. 62 - Original well Dakota Zone, marked with circle.

Well No. 62-M - Infil well Dakota Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



P or PC = Pictured Cliffs Completion  
C = Chacra Completion  
M or MV = Mesa Verde Completion  
D = Dakota Completion

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

3. LEASE DESIGNATION AND SERIAL NO.

NM 03553

4. IF INDIAN ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. NAME OF LEASE NAME

Breach D

9. WELL NO.

B41-M

10. FIELD AND POOL OR WILDCAT

Blanco Mesa Verde-Basin Oak

11. SEC. T. R. M. OR B.L.C. AND SURVEY OR AREA

Sec. 21 26 North 6 West

12. COUNTY OR PARISH 12. STATE  
Rio Arriba New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG-BACK

1. TYPE OF WORK  
DRILL  DEEPEN  PLUG BACK

2. TYPE OF WELL  
OIL WELL  GAS WELL  OTHER  SINGLE ZONE  MULTIPLE ZONE

1. NAME OF OPERATOR  
Caulkins Oil Company

2. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico 87401

3. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
1850 From North and 1800 From West

At proposed prod. zone Same

4. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
4.0 Miles Southeast of Blanco, New Mexico

13. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 790'

15. NO. OF ACRES IN LEASE 1920

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

13. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 150'

19. PROPOSED DEPTH 7500'

20. ROTARY OR CABLE TOOLS Rotary

22. ELEVATION (Show whether D.F., E.L., GR., etc.) 6675 GR

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED

22. APPROX. DATE WORK WILL START July 10, 1983

23. GENERAL REQUIREMENTS OF PROPOSED CASING AND CEMENTING PROGRAM This action is subject to administrative appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4"	9 5/8"	32.30	400'	354 CuFt.
7 7/8"	5 1/2"	15.5 & 17#	7425'	2050 CuFt.

Surface formation San Jose. No abnormal pressure or temperature anticipated

It is proposed to drill new hole, surface to 7425' using 9.0 Gal based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffler 10" Model LWF 6000# cast BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recorded on daily report.

New 9 5/8" 32.30# H-40 (new) surface casing will be set at approx. 400' and cemented with sufficient cement to circulate to surface.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED Charles W. [Signature] TITLE Superintendent DATE 5-16-83

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED AS AMENDED  
DATE JUN 1 1983  
JAMES F. SIMS  
DISTRICT ENGINEER

OPERATOR

**Instructions**

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well. Consult local State or Federal requirements. Consult local State or Federal office for specific instructions.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plate, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

New 1/2" 15.5 & 17# K-55 6mls casing (new) will be cemented top to bottom with sufficient cement to circulate. Casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Pictured Cliffs Sands.

- Centralizers will be run on casing thru Mesa Verde and Dakota Zones.
- Well will be completed in Mesa Verde and Dakota Zones.
- All zones will be perforated and fractured to stimulate production.
- Packer will be set between Mesa Verde and Dakota Zone.
- New 2 1/16" LJ Tubing will be run thru packer to Dakota Zone.
- New 2 1/16" LJ Tubing will be run to Mesa Verde Zone for Mesa Verde production.
- Gas produced from this well contracted to Gas Company of New Mexico.

**Estimated Formation Tops:**

Alamo	2280'
Pictured Cliffs	2930'
Chacra	3842'
Cliff House	4550'
Point Lookout	5300'
Gallup	6550'
Greenhorn	7100'
Dakota	7180'

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

Case No. 9267 Sub No. 6

Submitted by Caulkins

Hearing Date 9/12/84

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)

Form approved  
Budget Bureau No. 42-E355.5.

**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. REVER.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**Caulkins Oil Company**

3. ADDRESS OF OPERATOR  
**P.O. Box 780 Farmington, New Mexico**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **1850' From North & 1800' From West**  
At top prod. interval reported below **Same**  
At total depth **Same**

5. LEASE DESIGNATION AND SERIAL NO.  
**NM 03553**

6. IF INDIAN, ALLOTTED OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Breech "D"**

9. WELL NO.  
**341-M**

10. FIELD AND POOL, OR WILDCAT  
**Blanco Mesa Verde**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Section 21 26 North 6 West**

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_  
12. COUNTY OR PARISH **Rio Arriba** 13. STATE **New Mexico**

15. DATE SPUDDED **6-26-83** 16. DATE T.D. REACHED **7-8-83** 17. DATE COMPL. (Ready to prod.) **8-23-83** 18. ELEVATIONS (DP, REB, RT, GR, ETC.)\* **6675 GR** 19. ELEV. CASINGHEAD **6675**

20. TOTAL DEPTH, MD & TVD **7440'** 21. PLUG, BACK T.D., MD & TVD **7440'** 22. IF MULTIPLE COMPL., HOW MANY\* **(2) Two** 23. INTERVALS DRILLED BY ROTARY TOOLS **0-7440** CABLE TOOLS **No**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**5360' to 5102' Mesa Verde** 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN **ES Gamma Ray** 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
9 5/8"	36# H-40	410'	12 1/4"	300 sacks (354 Cu.Ft.)	None
5 1/2"	15.5 & 17#	7440'	7 5/8"	1300 sacks (2004 Cu.Ft.)	None

**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"	5364'	5402'

**31. PERFORATION RECORD (Interval, size and number)**

1-.42-5360	1-.42-5250	1-.42-5102
1-.42-5304	1-.42-5228	
1-.42-5298	1-.42-5193	
1-.42-5284	1-.42-5166	
1-.42-5261	1-.42-5161	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5360' to 5102'	124,000# 20-40 sand and 1725 bbls. 20# Gel Fluid

**33. PRODUCTION**

DATE FIRST PRODUCTION **8-30-83** 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	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-30-83	3 Hours	3/4"			173		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
86	633			1,387		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**Gas to be sold to Gas Company of New Mexico (Condensated to Shell Oil Co.)**

35. LIST OF ATTACHMENTS  
**Complete cementing records.**

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

SIGNED Charles E. Verger TITLE Superintendent DATE SEP 1 2 1983 8-22-83

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

OPERATOR BY sm

FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO

# 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 16: 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; CORES 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.															
Alamo	2230	2458	Water Sand Gas Sand Gas Sand Gas Sand  Hole Deviation Test  Depth 418                      Degrees 1/2 920                        1/2 1434                       1/2 1964                       1/2 2529                       1/2 3021                       3/4 3513                       1 4000                       1/2 4515                       3/4 5026                       3/4 5512                       1 6012                       1 6515                       1															
Pictured Cliffs	2990	3050																
Mesa Verde	4617	5368																
Dakota	7235	7418																
			<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">NAME</th> <th style="width: 30%;">MEAS. DEPTH</th> <th style="width: 40%;">TRUE VERT. DEPTH</th> </tr> </thead> <tbody> <tr> <td>Alamo</td> <td>2230</td> <td>2230</td> </tr> <tr> <td>Pictured Cliffs</td> <td>2990</td> <td>2990</td> </tr> <tr> <td>Mesa Verde</td> <td>4617</td> <td>4617</td> </tr> <tr> <td>Dakota</td> <td>7235</td> <td>7235</td> </tr> </tbody> </table>	NAME	MEAS. DEPTH	TRUE VERT. DEPTH	Alamo	2230	2230	Pictured Cliffs	2990	2990	Mesa Verde	4617	4617	Dakota	7235	7235
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Alamo	2230	2230																
Pictured Cliffs	2990	2990																
Mesa Verde	4617	4617																
Dakota	7235	7235																
			7027 7147 7440															



Ran 5 1/2" Production Casing as follows:

7440' to 5445'	(1995')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
5445' to 3370'	(2075')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
3370' to 1000'	(2370')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
1000' to Surface	(1000')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 5445' and 3370'.

Cement Baskets run in Casing string at 5571' and 3498'.

24 Centralizers run on Casing string at following points:

7403', 7366', 7329', 7293', 7258', 7221', 7186', 7151', 7115', 7077', 7043', 7005', 6968', 6927', 5528', 5402', 5361', 5318', 5278', 5237', 5195', 5156', 3457' and 3327'.

Cemented 5 1/2" Casing in three stages.

First Stage thru shoe at 7440' with 250 sacks (412.50 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 6:15 PM 7-9-83.

Second Stage cemented thru Stage Tool set at 5445' with 250 sacks (412.50 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (188 Cu.Ft.) Neat Cement.  
Plug down 7:30 PM 7-9-83

Third Stage cemented thru Stage Tool set at 3370' with 500 sacks (825 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 9:30 PM 7-9-83.

Cemented circulated on all three stages.

Approx 5 bbls. slurry on first stage.  
Approx 2 bbls. slurry on second stage.  
Approx 20 bbls. slurry on third stage.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.A.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
REGISTRATION OFFICE	

I. Operator: Caulkins Oil Company

Address: P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box):  
 New Well:    
 Recompletion:    
 Change in Ownership:    
 Change in Transporter of:   
 Oil:    
 Condensate Gas:    
 Dry Gas:    
 Condensate:    
 Other (Please explain):

If change of ownership give name and address of previous owner:

II. DESCRIPTION OF WELL AND LEASE

Lease Name: <u>Breech "D"</u>	Well No.: <u>341-M</u>	Pool Name, including Formation: <u>Blanco Mesa Verde</u>	Kind of Lease: <u>Federal</u>	Lease No.: <u>NM 03553</u>
Location: <u>Unit Letter F</u> , <u>1850</u> Feet From The <u>North</u> Line and <u>1800</u> Feet From The <u>West</u> Line of Section <u>21</u> Township <u>26 North</u> Range <u>6 West</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> : <u>Giant Refinery Company</u>	Address (Give address to which approved copy of this form is to be sent): <u>P.O. Box 256 Farmington, New Mexico</u>
Name of Authorized Transporter of Condensate Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> : <u>Gas Company of New Mexico</u>	Address (Give address to which approved copy of this form is to be sent): <u>1508 Pacific Ave. Dallas, Texas</u>
If well produces oil or liquids, give location of tanks: <u>Unit: F, Sec: 21, Twp: 26N, Rge: 6W</u>	Is gas actually connected? <u>No</u> When:

If this production is commingled with that from any other lease or pool, give commingling order number:

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Resrv.	Diff. Resrv.
		X	X					
Date Spudded: <u>6-26-83</u>	Date Compl. Ready to Prod.: <u>8-23-83</u>	Total Depth: <u>7440'</u>	P.B.T.D.: <u>7440'</u>					
Elevations (DF, RKB, RT, GR, etc.): <u>6675 GR</u>	Name of Producing Formation: <u>Mesa Verde</u>	Top Oil/Gas Pay: <u>5102'</u>	Timing Depth: <u>5364'</u>					
Perforations: <u>5360' to 5102'</u>		Depth casing shoe: <u>7440'</u>						
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<u>12 1/4"</u>	<u>9 5/8"</u>		<u>410'</u>		<u>300 sacks (354 Cu. Ft.)</u>			
<u>7 5/8"</u>	<u>5 1/2"</u>		<u>7440'</u>		<u>1300 sacks (2004 Cu. Ft.)</u>			
	<u>1 1/4"</u>		<u>5364'</u>					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of leak oil and must be equal to or exceed top allowable for this depth or be for full 26 hours)

Date First New Oil Run To Tank:	Date of Test:	Protecting Method (Flow, pump, gas lift, etc.):	
Length of Test:	Tubing Pressure:	Casing Pressure:	Choke Size:
Actual Prod. During Test:	Oil-Bbls:	Water-Bbls:	Gas-MCF:

GAS WELL

Actual Prod. Test-MCF/D:	Length of Test:	Bbls. Condensate/MCF:	Gravity of Condensate:
<u>1,387</u>	<u>3 HOURS</u>		
Testing Method (pass, back pr.):	Tubing Pressure (Shut-In):	Casing Pressure (Shut-In):	Choke Size:
<u>Back Pressure</u>	<u>801</u>	<u>1112</u>	<u>3/4"</u>

CERTIFICATE OF COMPLIANCE

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

Charles E. Vergara  
(Signature)  
Superintendent  
(Title)  
8-22-83  
(Date)

OIL CONSERVATION DIVISION

SEP 30 1983

APPROVED: \_\_\_\_\_  
BY: \_\_\_\_\_  
SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 6, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM THE Caulkins Oil Company

OPERATOR

Breech D

341-M

(F) 21-26N-06W

LEASE

WELL UNIT

S - T - R

Blanco Mesaverde

Gas Company of New Mexico

POOL

NAME OF PURCHASER

WAS MADE ON 12-2-83

, FIRST DELIVERY 12-2-83

DATE

DATE

1387

INITIAL POTENTIAL

Gas Company of New Mexico  
PURCHASER

J. R. Large

REPRESENTATIVE

J.R. Large

Dispatch Manager

TITLE

/kn

cc: ~~OPERATOR~~

New Mexico Oil Conservation Commission - Aztec

Minerals Management Service - Oil & Gas

Mr. E.R. Corliss, Engineering

Mr. R.J. McCrary, Gas Contracts Adm.

Prorations Dept., Albuquerque

Mr. Robert Utay, Gas Accounting

Mr. Joel Levine, Gas Supply

FORM 29-43 11-76

Chart Office, Kutz

Mr. Perry McFarland, Kutz

File

All measurements must be from the outer boundaries of the section.

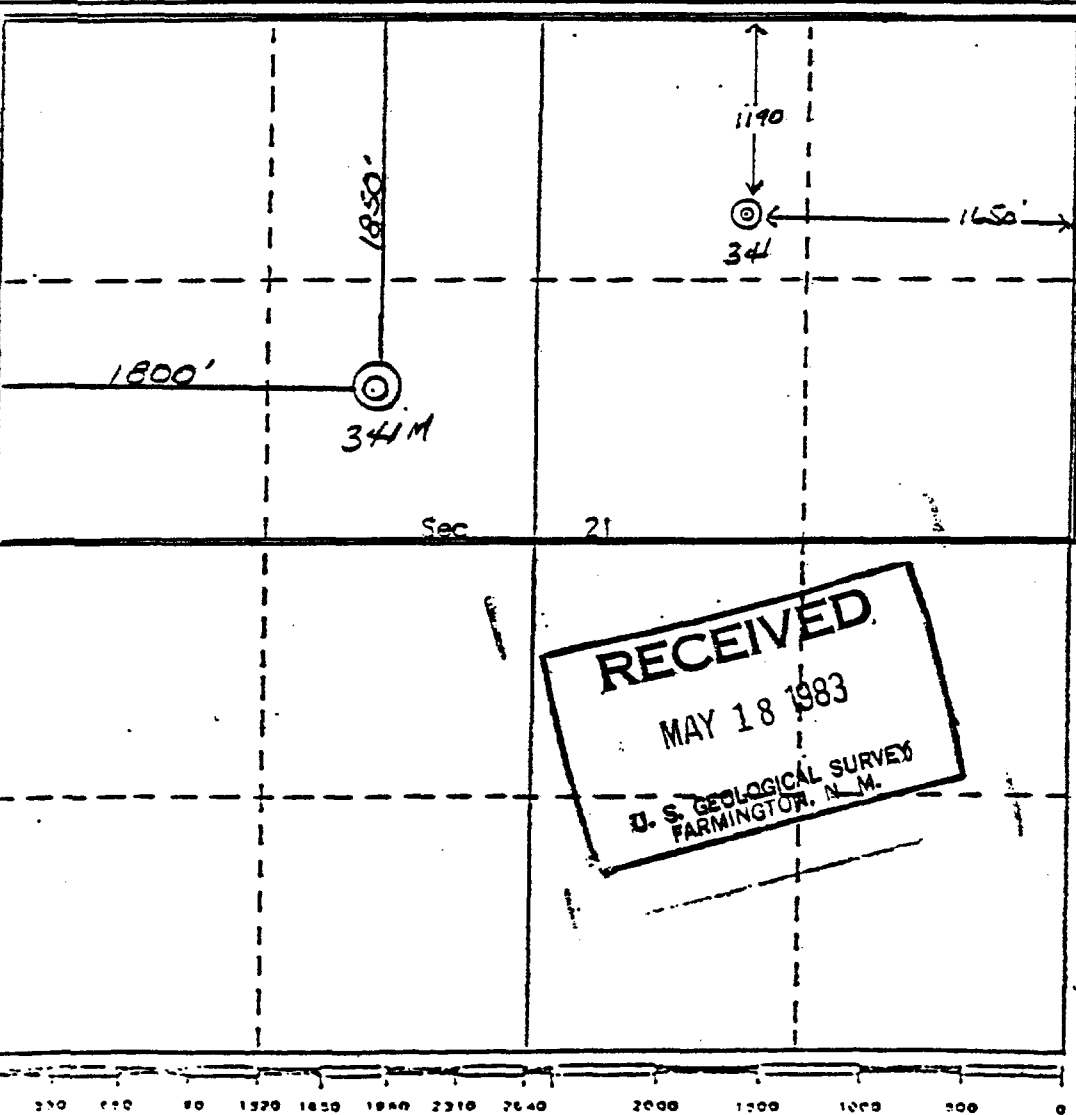
Operator <b>CAULKINS OIL COMPANY</b>			Lease <b>Breech "D"</b>			Well No. <b>341-M</b>		
Unit Letter <b>F</b>	Section <b>21</b>	Township <b>25N</b>	Range <b>5W</b>	County <b>Rio Arriba</b>				
Actual Postage Location of Wells <b>1850</b> feet from the <b>North</b> line and <b>1800</b> feet from the <b>West</b> line								
Ground Level Elev. <b>6675</b>	Producing Formation <b>Mesa Verde Dakota</b>		Pool <b>Blanco Mesa Verde-Basin Dakota</b>			Dedicated Acreage <b>320</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



**CERTIFICATION**

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

*Charles E. Verquer*  
Name  
**Charles E. Verquer**

Position  
**Superintendent**

Company  
**Caulkins Oil Company**

Date  
**5-16-83**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
*5-16-83*

*Charles E. Verquer*  
Registered Professional Engineer and/or Land Surveyor

5980  
Certificate No.

**REGISTERED LAND SURVEYOR**  
**CURTIS C. STICKING**

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

## MESA VERDE

341 341-M Infil

Month	341		341-M	
	Production	Days On	Production	Days On
12-2-83	1,207	27	10,178	23
1-84	1,355	28	5,824	16
2-84	1,059	31	5,986	20
3-84	484	29	5,706	28
4-84	717	31	5,064	31
5-84	461	30	3,182	23
<hr/>				
Total	5,283	176	35,940	141

# CAULKINS OIL COMPANY

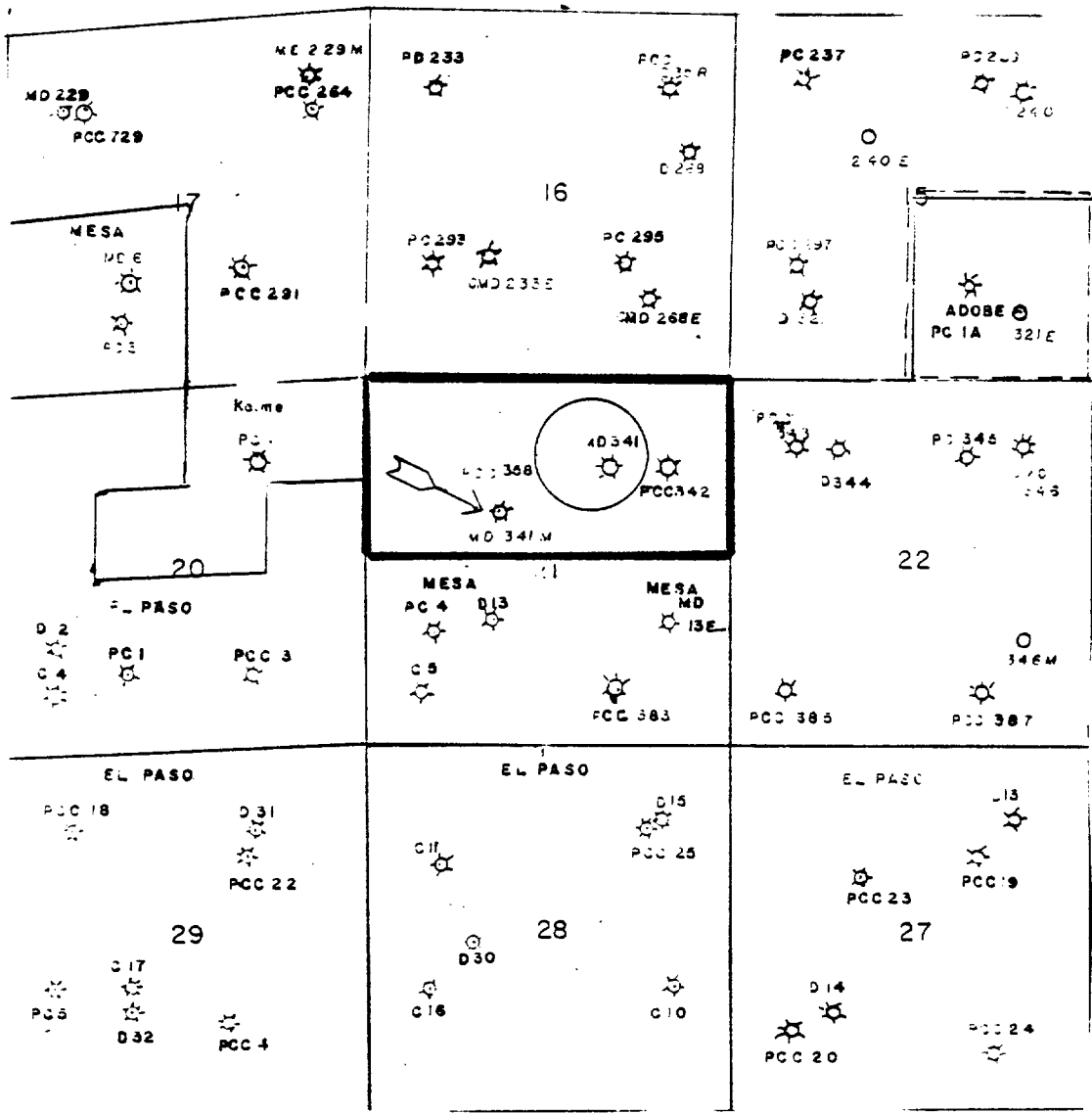
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 21 26N 6W, Rio Arriba County, N.M.

Well No. 341 - Original well Mesa Verde Zone, marked with circle.

Well No. 341-M - Infil well Mesa Verde Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

b. TYPE OF WELL  
 OIL WELL       GAS WELL       OTHER       SINGLE ZONE       MULTIPLE ZONE

2. NAME OF OPERATOR  
 Caulkins Oil Company

3. ADDRESS OF OPERATOR  
 P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface 1120' From South & 1520' From East  
 At proposed prod. zone Same

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Breech

9. WELL NO.  
 307 M

10. FIELD AND POOL, OR WILDCAT  
 S. Blanco PC-Otero Chacra  
 Blanco MV-Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 13 26N 7W

12. COUNTY OR PARISH  
 Rio Arriba

13. STATE  
 New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 27 miles Southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 1650'

16. NO. OF ACRES IN LEASE  
 2400

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

18. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 400'

19. PROPOSED DEPTH.  
 6850'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.)  
 6146 GR.

22. APPROX. DATE WORK WILL START\*  
 July 4, 1983

RECEIVED  
DEC 15 1982

S. GEOLOGICAL SURVEY

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30#	300'	250 Sacks
7 7/8"	5 1/2"	15.5 & 17#	6850'	1300 Sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 6850' using 9.0 Gel based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recorded on daily drilling report.

New 9 5/8" 32.30# surface casing will be set approx. 300' and cemented with sufficient cement to circulate to surface.

(over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any

24. SIGNED Charles Deegan TITLE Superintendent DATE 12-6-82

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
 DRILLING OPERATIONS AUTHORIZED ARE  
 SUBJECT TO COMPLIANCE WITH ATTACHED  
 "GENERAL REQUIREMENTS"

This action is subject to administrative  
 appeal pursuant to 30 CFR 290.

OPERATOR

AE  
 JAMES F. SIMS  
 DISTRICT ENGINEER

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 16:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

\* U.S. GOVERNMENT PRINTING OFFICE: 1983-O-711-308

New 5 1/2" 15.5 & 17# casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Chacra Sands.

Centralizers will be run on casing thru Pictured Cliffs Chacra, Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Subject to approval by Minerals Management Service and New Mexico Oil Conservation Division. Well will be dual completed with Mesa Verde-Dakota commingled zone below packer and commingled Pictured Cliffs-Chacra above packer.

New 2 1/16" IJ Tubing will be run for Pictured Cliffs-Chacra commingled zone.

New 2 1/16" IJ tubing will be run for Mesa Verde-Dakota commingled zone.

Gas produced from this well contracted to Gas Company of New Mexico.

**Estimated Formation Tops:**

Alamo	1573'
Pictured Cliffs	2326'
Chacra	3213'
Cliff House	3993'
Point Lookout	4612'
Gallup	5910'
Greenhorn	6537'
Graneros	6631'
Dakota	6733'

DIVISION OF OIL CONSERVATION OIL CONSERVATION DIVISION Santa Fe, New Mexico	
Case No. <u>8267</u>	Exhibit No. <u>7</u>
Submitted by <u>Caulkins</u>	
Hearing Date <u>9/12/84</u>	



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved,  
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM 03733																			
b. 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. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME																			
2. NAME OF OPERATOR Caulkins Oil Company		7. UNIT AGREEMENT NAME																			
3. ADDRESS OF OPERATOR P.O. Box 780 Farmington, New Mexico		8. FARM OR LEASE NAME Breech																			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1120' From South & 1520' From East At top prod. interval reported below Same At total depth Same		9. WELL NO. 307-M																			
14. PERMIT NO. _____ DATE ISSUED _____		10. FIELD AND POOL, OR WILDCAT Blanco Mesa Verde																			
15. DATE SPUNDED 7-30-83		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 13 26 North 7 West																			
16. DATE T.D. REACHED 8-9-83		12. COUNTY OR PARISH Rio Arriba																			
17. DATE COMPL. (Ready to prod.) 9-21-83		13. STATE New Mexico																			
18. ELEVATIONS (DP, RES. RT, GR, ETC.)* 6146 GR		19. ELEV. CASINGHEAD 6888'																			
20. TOTAL DEPTH, MD & TVD 6888'		21. PLUG, BACK T.D., MD & TVD 6888'																			
22. IF MULTIPLE COMPL., HOW MANY* (4) FOUR		23. INTERVALS DRILLED BY 0-6888																			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4534' to 4756' (Mesa Verde)		25. WAS DIRECTIONAL SURVEY MADE No																			
26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron Log		27. WAS WELL CORRED No																			
28. CASING RECORD (Report all strings set in well)																					
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>CASING SIZE</th> <th>WEIGHT, LB./FT.</th> <th>DEPTH SET (MD)</th> <th>HOLE SIZE</th> <th>CEMENTING RECORD</th> <th>AMOUNT PULLED</th> </tr> </thead> <tbody> <tr> <td>9 5/8"</td> <td>36# H-40</td> <td>610'</td> <td>12 1/4"</td> <td>500 sacks(590 Cu.Ft.)</td> <td>None</td> </tr> <tr> <td>5 1/2"</td> <td>15.5 &amp; 17#</td> <td>6888'</td> <td>7 7/8"</td> <td>1400 sacks(2122 Cu.Ft.)</td> <td>None</td> </tr> </tbody> </table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	9 5/8"	36# H-40	610'	12 1/4"	500 sacks(590 Cu.Ft.)	None	5 1/2"	15.5 & 17#	6888'	7 7/8"	1400 sacks(2122 Cu.Ft.)	None
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29. LINER RECORD																					
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30. TUBING RECORD																					
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31. PREPARATION RECORD (Interval, size and number)																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tbody> <tr> <td>1-.42-4534</td> <td>1-.42-4662</td> <td>1-.42-4756</td> </tr> <tr> <td>1-.42-4566</td> <td>1-.42-4668</td> <td></td> </tr> <tr> <td>1-.42-4380</td> <td>1-.42-4692</td> <td></td> </tr> <tr> <td>1-.42-4618</td> <td>1-.42-4698</td> <td></td> </tr> <tr> <td>1-.42-4644</td> <td>1-.42-4740</td> <td></td> </tr> </tbody> </table>				1-.42-4534	1-.42-4662	1-.42-4756	1-.42-4566	1-.42-4668		1-.42-4380	1-.42-4692		1-.42-4618	1-.42-4698		1-.42-4644	1-.42-4740				
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32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																					
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137	PKR	→		689																	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas to be sold to Gas Company of New Mexico(Condensate to Shell Oil Co.)																					
35. LIST OF ATTACHMENTS Complete Cementing Records																					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																					
SIGNED <u>Charles Vergara</u>		TITLE <u>Superintendent</u>																			
		OCT 0 9 1983																			

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

OPERATOR

FARMINGTON RESOURCE AREA  
BY sm

# 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 16:** 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.	GEOLOGIC MARKERS	
				MEAS. DEPTH	TRUE VERT. DEPTH
Alamo	1510	1798	Water Sand	1510	1510
Pictured Cliffs	2274	2372	Gas Sand	2274	2274
Chacra	3224	3326	Gas Sand	3224	3224
Mesa Verde	4204	4765	Gas Sand	4204	3204
Dakota	6642	6830	Gas Sand	6642	6642
			Hole Deviation Test		
	Depth		Degrees		
	615		2		
	1104		2 1/2		
	1618		2 3/4		
	2427		2 3/4		
	2887		2 1/2		
	3295		2		
	3784		2		
	4290		1 1/2		
	4803		2		
	5228		1 3/4		
	5725		1 3/4		
	6231		1 1/2		

307-M

Ran 5 1/2" Production Casing as follows:

6888' to 127'	(6541')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
127' to Surface	( 127')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 4812' and 3378'.

Cement Baskets run in Casing string at 4944' and 3393'.

Centralizers run on Casing string at following points:

6847', 6806', 6764', 6722', 6681', 6640', 6598', 6556', 6514', 6473', 6431', 6390', 6349', 6307', 4851', 4771', 4733', 4697', 4656', 3418', 3338', 3297', 2425', 2387', 2345' and 2305'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 6888' with 250 sacks (412.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 10:45 PM 8-9-83.

Second Stage cemented thru Stage Tool set at 4812' with 150 sacks (247.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat cement.  
Plug down 11:45 PM 8-9-83.

Third Stage cemented thru Stage Tool set at 3378' with 600 sacks (990 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 200 sacks (236 Cu.Ft.) Neat Cement.  
Plug down 1:30 AM 8-10-83.

Circulated approx 5 bbl. slurry from both first and second stages.

Circulated no cement from third stage. Cement top 925' Temperature Survey attached.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.A.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. OPERATOR

Operator: Caulkins Oil Company

Address: P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well  Change in Transporter of: Oil  Dry Gas

Recompletion  Costing-out Gas  Condensate

Change in Ownership

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Breach</u>	Well No. <u>307-M</u>	Pool Name, including Formation <u>Basin Dakota-Blanco Mesa Verde</u>	Kind of Lease <u>State, Federal or Fee</u>	Lease No. <u>Federal NM03733</u>
Location				
Unit Letter <u>0</u>	<u>1120</u> Feet From The <u>South</u> Line and <u>1520</u> Feet From The <u>East</u>			
Line of Section <u>13</u>	Township <u>26 North</u>	Range <u>7 West</u>	Meridian <u>N.M.P.M.</u>	County <u>Rio Arriba</u>

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Giant Refinery Company</u>	<u>P.O. Box 256 Farmington, New Mexico</u>
Name of Authorized Transporter of Costing-out Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Gas Company of New Mexico</u>	<u>1508 Pacific Ave. Dallas, Texas</u>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rps. Is gas actually connected? When
	<u>0 13 26N 7W No</u>

If this production is commingled with that from any other lease or pool, give commingling order number \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input type="checkbox"/>	Gas Well <input checked="" type="checkbox"/>	New Well <input checked="" type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Back <input type="checkbox"/>	Some Reev. <input type="checkbox"/>	Full Reev. <input type="checkbox"/>
Date Spudded <u>7-30-83</u>	Date Compl. Ready to Prod. <u>9-21-83</u>	Total Depth <u>6888'</u>		P.B.T.D. <u>6888'</u>				
Elevations (DF, RKB, RT, CR, etc.) <u>6164 GR</u>	Name of Producing Formation <u>Mesa Verde-Dakota</u>	Top Oil/Gas Pay <u>4534'</u>		Tubing Depth <u>6682'</u>				
Perforations <u>4534' to 4756' (Mesa Verde) 6652' to 6818' (Dakota)</u>						Depth Casing Shoe <u>6682'</u>		

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
<u>12 1/4"</u>	<u>9 5/8"</u>	<u>615'</u>	<u>500 sacks(590 Cu.Ft.)</u>
<u>7 7/8"</u>	<u>5 1/2"</u>	<u>6888'</u>	<u>1400 sacks(2122 Cu.Ft.)</u>
	<u>1 1/4"</u>	<u>6682'</u>	

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of lost oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
		<u>Flow</u>	
Length of Test	Tubing Pressure	Casing Pressure	Case Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D <u>2,110</u>	Length of Test <u>3 Hours</u>	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.) <u>Back Pressure</u>	Tubing Pressure (Shut-In) <u>1415</u>	Casing Pressure (Shut-In) <u>PKR</u>	Case Size <u>3/4"</u>

CERTIFICATE OF COMPLIANCE

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

Charles W. Brown  
(Signature)  
Superintendent  
(Title)  
9-29-83  
(Date)

OIL CONSERVATION DIVISION  
APPROVED 10/15/83, 19\_\_\_\_  
BY James E. Cherry  
TITLE SUPERVISOR DISTRICT #1

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE November 21, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM THE Caulkins Oil Company

OPERATOR

Breech

307-M

(O)13-26N-07W

LEASE

WELL UNIT

S - T - R

\*Blanco Mesa Verde

Gas Company of New Mexico

POOL

NAME OF PURCHASER

WAS MADE ON 11-16-83

, FIRST DELIVERY 11-16-83

DATE

DATE

689

INITIAL POTENTIAL

\*Downhole Commingled with Basin Dakota

/kn

Gas Company of New Mexico  
PURCHASER

cc: OPERATOR

- New Mexico Oil Conservation Commission - Aztec
- Minerals Management Service - Oil & Gas
- Mr. E.R. Corliss, Engineering
- Mr. R.J. McCrary, Gas Contracts Adm.
- Prorations Dept., Albuquerque
- Mr. Robert Utay, Gas Accounting
- Mr. Joel Levine, Gas Supply
- Chart Office, Kutz
- Mr. Perry McFarland, Kutz
- File

*J.R. Large*

REPRESENTATIVE

J.R. Large

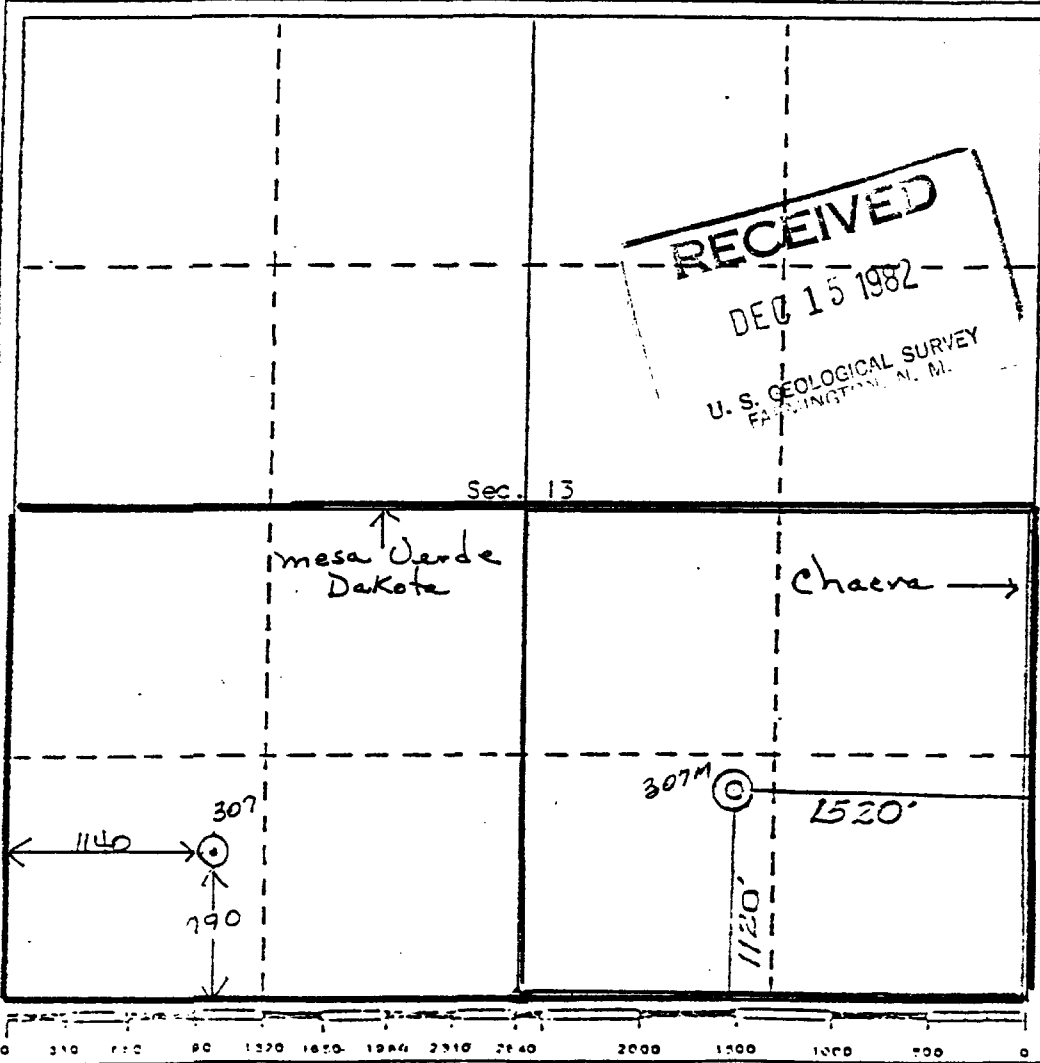
Dispatch Manager

TITLE

All distances must be from the outer boundaries of the Section

Operator <b>CAULKINS OIL COMPANY</b>		Lease <b>Breech</b>		Well No. <b>397-41</b>
Unit Letter <b>C</b>	Section <b>13</b>	Township <b>26 NORTH</b>	Range <b>7 WEST</b>	County <b>RIO ARRIBA</b>
Actual Footage Location of Well: <b>1120</b> feet from the <b>SOUTH</b> line and <b>1520</b> feet from the <b>EAST</b> line				
Ground Level Elev. <b>6146.0</b>	Producing Formation <b>PC-Chacra-Mesa Verde-Dakota</b>	Pool <b>South Blanco PC-Otero Chacra Blanco MV-Basin Dakota</b>	Dedicated Acreage <b>180 PC &amp; Chacra 820 MV &amp; Dakota</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  
 Yes  No If answer is "yes," type of consolidation \_\_\_\_\_  
If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_  
No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



**CERTIFICATION**

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

*Charles Verquer*  
Name  
**Charles Verquer**  
Position  
**Superintendent**  
Company  
**Caulkins Oil Company**  
Date  
**12-13-82**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**21 October 1982**  
Registered Professional Engineer and/or Land Surveyor  
**Curtis G. Stockinger**  
Certificate No.  
**5980**

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

MESA VERDE

307 307-M Infil

307

307-M

Month	Production	Days On	Production	Days On
11-16-83	682	31	Shut-In	
12-83	578	28	18,528	28
1-84	584	29	4,520	24
2-84	453	31	3,843	27
3-84	397	29	3,882	28
4-84	453	31	3,418	31
5-84	347	30	2,425	23
Total	3,494	209	36,616	161

# CAULKINS OIL COMPANY

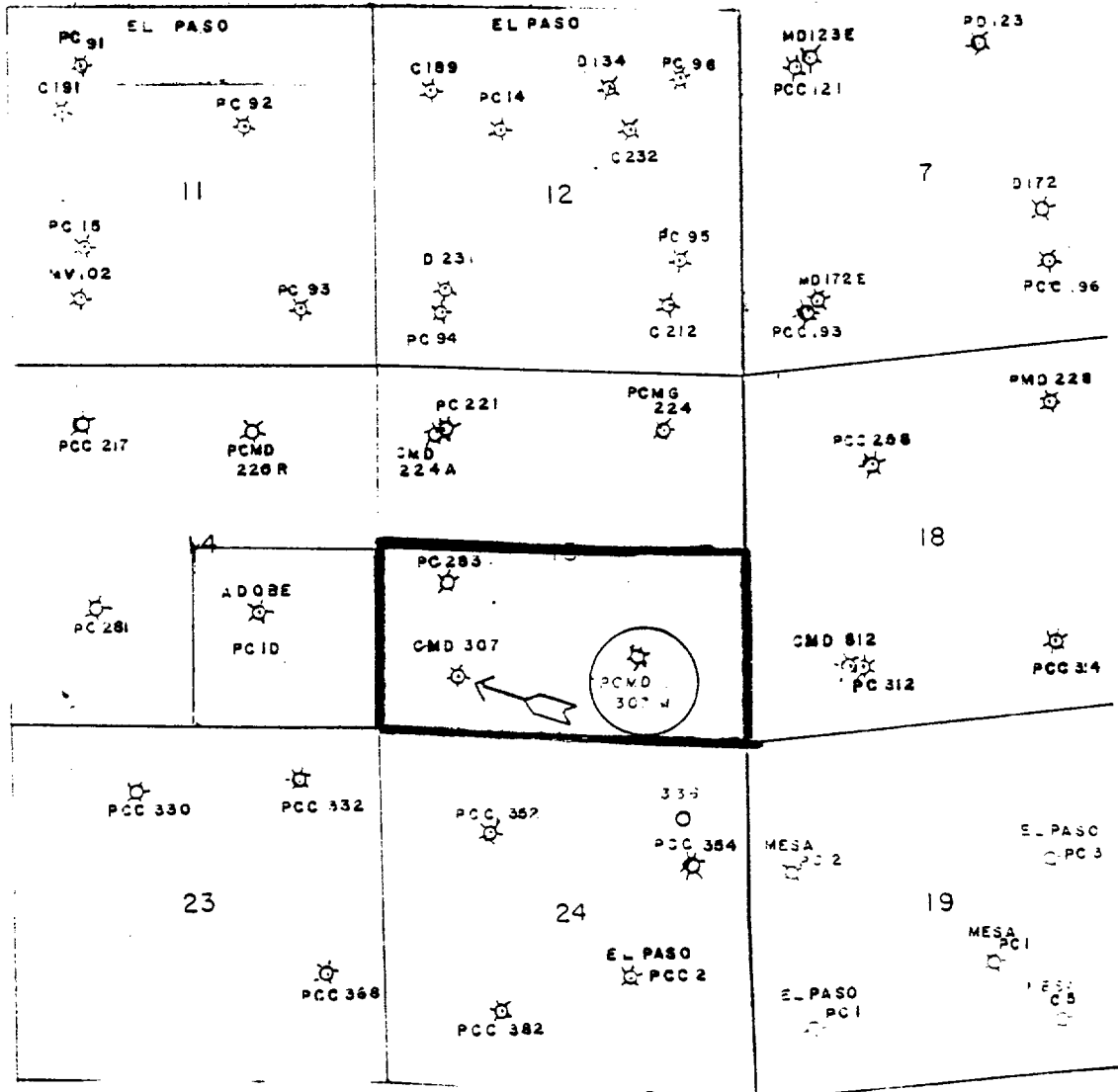
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: South half of Section 13 26N 7W, Rio Arriba County, N.M.

Well No. 307 - Original well Mesa Verde Zone, marked with circle.

Well No. 307-M - Infil well Mesa Verde Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK

2. TYPE OF WELL  
 OIL WELL       GAS WELL       OTHER       SINGLE ZONE       MULTIPLE ZONE

3. NAME OF OPERATOR  
 Caulkins Oil Company

4. ADDRESS OF OPERATOR  
 P.O. Box 780 Farmington, New Mexico

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface: 880' From the North and 1028' From the West  
 At proposed prod. zone: same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 35 Miles Southeast of Blanco, New Mexico

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to deepest drig. unit (lss. if any) 880'

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 2001'

9. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6597 GR

10. LEASE DESIGNATION AND SERIAL NO.  
 NM 03553

11. IF INDIAN, ALLOTTEE OR TRIBE NAME

12. UNIT AGREEMENT NAME  
 Breach D

13. FARM OR LEASE NAME  
 Blanco Mesa Verde

14. FIELD AND POOL OR WILDCAT  
 Basin Dakota

15. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Section 11 26N 6W

16. COUNTY OR PARISH  
 Rio Arriba

17. STATE  
 New Mexico

18. NO. OF ACRES IN LEASE N. M. 1920

19. NO. OF ACRES ASSIGNED TO THIS WELL 320

20. ROTARY OR CABLE TOOLS  
 Rotary

21. APPROX. DATE WORK WILL START\*  
 August 5, 1982

RECEIVED  
JUL 2 1982

22. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30	300	250 Sacks
7 7/8"	5 1/2"	15.5 & 17	7600	1400 Sacks

Surface formation San Jose. No Abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 7600 9.0 Gel based mud. Float will be run in drill pipe at bit. Es Induction Log will be run in open hole. A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling and cementing. BOP will be tested at least one time during each 24 hour period and results recorded on daily drilling report.

New 9 5/8" surface casing will be set at approx. 300' and cemented with sufficient cement to circulate to surface.

New 5 1/2" 15.5 and 17 casing will be cemented top to bottom with sufficient cement to circulate. Casing will be cemented in 3 stages with tools set 31 below Point Lookout Sands and Below Pictured Cliffs Sands. (over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED Charles DePue TITLE Superintendent DATE July 20, 1982

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED  
DATE  
OCT 01 1982  
for JAMES F. SIMS  
DISTRICT ENGINEER

OPERATOR

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 27:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

\* U.S. GOVERNMENT PRINTING OFFICE: 1963-O-711-388

Centralizers will be run on casing thru Mesa Verde and Dakota zone.

Well will be completed in Mesa Verde and Dakota zones.

Packer will be set between Mesa Verde zone and Dakota zone.

New 2 1/16" LJ tubing will be run thru packer to Dakota zone.

New 1 1/4" LJ tubing will be run to Mesa Verde zone for Mesa Verde production.

All zones will be perforated and fractured to stimulate production.

Gas produced from this well contracted to Gas Company of New Mexico.

### Estimated Formation Tops:

Alamo	2545
Pictured Cliffs	3112
Cliff House	4803
Point Lookout	5403
Greenhorn	7250
Graneros	7330
Dakota	7460

BEFORE THE	
OIL CONSERVATION COMMISSION	
Santa Fe, New Mexico	
Case No. <u>8267</u>	Exhibit No. <u>9</u>
Submitted by <u>Caulkins</u>	
Hearing Date <u>9/12/84</u>	

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.6.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**Caulkins Oil Company**

3. ADDRESS OF OPERATOR  
**P.O. Box 780 Farmington, New Mexico 87499**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface **880' From North & 1028' From West**  
 At top prod. interval reported below **Same**  
 At total depth **Same**

5. LEASE DESIGNATION AND SERIAL NO.  
**NM 03553**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Breech "D"**

9. WELL NO.  
**140-M**

10. FIELD AND POOL, OR WILDCAT  
**Blanco Mesa Verde**

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

**Section 11 26North 6West**

12. COUNTY OR PARISH  
**Rio Arriba**

13. STATE  
**New Mexico**

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUDDED **5-28-83** 16. DATE T.D. REACHED **6-9-83** 17. DATE COMPL. (Ready to prod.) **7-20-83** 18. ELEVATIONS (OF, REB. RT, GR, ETC.)\* **6597 ER** 19. ELEV. CASINGHEAD **6597**

20. TOTAL DEPTH, MD & TVD **7592'** 21. PLUG BACK T.D., MD & TVD **7580'** 22. IF MULTIPLE COMPL., HOW MANY\* **(2) Two** 23. INTERVALS DRILLED BY **0-7592** ROTARY TOOLS **→** CABLE TOOLS **No**

24. PRODUCING INTERVAL(S); OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**5120 - 5478 Mesa Verde**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**ES. Gamma Ray and Gas Spectrum Logs**

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
9 5/8"	36# H-40	401'	12 1/4"	354 Cu. Ft. (100 Sacks)	None
5 1/2"	15.5 & 17#	7592'	7 5/8"	2004 Cu. Ft. (1300 Sacks)	None

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"	5476'	

31. PERFORATION RECORD (Interval, size and number)

1-.42-5120	1-.42-5326
1-.42-5170	1-.42-5342
1-.42-5224	1-.42-5380
1-.42-5308	1-.42-5400
1-.42-5318	1-.42-5478

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5120 - 5478	50,000# 20-40 Sand and 1252 bbls. 20# Gel Water

33. PRODUCTION

DATE FIRST PRODUCTION **7-27-83** 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—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
7-27-83	3 Hours	3/4"	→		127		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
60	400	→		1,019		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Gas to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.)** TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
**Complete cementing records**

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

SIGNED Charles Desjardis TITLE **Superintendent** DATE **7-29-83**

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

*Accepted for Record*  
*Aug 19, 83* *Sumner*

# 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.
Alamo	2484	2583	Water Sand
Pictured Cliffs	3078	3136	Gas Sand
Mesa Verde	4756	5484	Gas Sand
Dakota	7300	7564	Gas Sand
			Hole Deviation Test
		Depth	Depth Degrees
		401	3/4 4200 1 3/4
		915	3/4 4710 1 3/4
		1422	3/4 5228 1 1/2
		1930	1 5682 1 1/2
		2444	1 6166 1 1/2
		3143	1 6677 1 1/4
		3626	1 1/4 7182 1 1/4
		4109	1 1/4 7592 1 1/4

**38. GEOLOGIC MARKERS**

NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH
Alamo	2484		2484
Pictured Cliffs	3078		3078
Mesa Verde	4756		4756
Dakota	7300		7300

Ran 5 1/2" Production Casing as follows:

7592' to 6568'	(1024.17)	New 5 1/2"	17#	ST&C	K-55 Smls
6568' to 1063'	(5504.81)	New 5 1/2"	15.5#	LT&C	K-55 Smls
1063' to Surface	(1036.64)	New 5 1/2"	17#	LT&C	K-55 Smls

Stage Tools run in Casing string at 5566' and 3399'.

Cement Baskets run on Casing string at 5649' and 3481'.

24 Centralizers run on Casing string at following points:

7549', 7506', 7463', 7419', 7376', 7333', 7289', 7247', 7204', 7163', 7120', 7077', 7035', 6992', 5606', 5524', 5482', 5439', 5398', 5356', 5317', 5274', 3440' and 3357'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 7592' with 412.50 Cu. Ft. (250 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 Sacks) Neat Cement.  
Plug down first stage 2:50 PM 6-9-83

Second Stage cemented thru Stage Tool set at 5566' with 412.50 Cu. Ft. (250 sacks) 50-50 Poz, 6% Gel. 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 sacks) Neat cement.  
Plug down second stage 4:00 PM 6-9-83

Third Stage cemented thru Stage Tool set at 3399' with 825 Cu. Ft. (500 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 sacks) Neat Cement.  
Plug down third stage 6:40 PM 6-9-83.

Cement circulated on all three stages.

Approx 2 bbls. slurry on first stage.  
Approx 1 bbls. slurry on second stage.  
Approx 5 bbls. slurry on third stage.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

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	GAS
OPERATOR	
PROBATION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator Caulkins Oil Company  
Address P.O. Box 780 Farmington, New Mexico  
Reason(s) for filing (Check proper box)  
New Well  Change in Transporter of: Oil  Dry Gas   
Recompletion  Casinghead Gas  Condensate   
Change in Ownership

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lessee Name <u>Breech "D"</u>	Well No. <u>140-M</u>	Pool Name, including Formation <u>Blanco Mesa Verde</u>	Kind of Lease State, Federal or Fee <u>Federal</u>	Lease No. <u>NM 03553</u>
Location Unit Letter <u>D</u> ; <u>880</u> Feet From The <u>North</u> Line and <u>1028</u> Feet From The <u>West</u> Line of Section <u>11</u> Township <u>26 North</u> Range <u>6 West</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> <u>Inland Corporation</u>	Address (Give address to which approved copy of this form is to be sent) <u>P.O. Box 1528 Farmington, New Mexico</u>			
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <u>Gas Company of New Mexico</u>	Address (Give address to which approved copy of this form is to be sent) <u>1508 Pacific Ave. Dallas, Texas</u>			
If well produces oil or liquids, give location of tanks.	Unit <u>D</u>	Sec. <u>11</u>	Twp. <u>26N</u>	Rge. <u>6W</u>
	Is gas actually connected?		When	
	<u>No</u>			

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		<u>X</u>	<u>X</u>					
Date Spudded <u>5-28-83</u>	Date Compl. Ready to Prod. <u>7-20-83</u>		Total Depth <u>7592</u>		P.S.T.D. <u>7580</u>			
Elevations (DF, RAB, RT, GR, etc.) <u>6597 GR</u>	Name of Producing Formation <u>Mesa Verde</u>		Top Oil/Gas Pay <u>5120</u>		Tubing Depth <u>5476</u>			
Perforations <u>5478 - 5120 Mesa Verde</u>					Depth Casing Shoe <u>7592</u>			
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<u>12 1/4"</u>	<u>9 5/8"</u>		<u>401'</u>		<u>354 Cu.Ft. (100 Sacks)</u>			
<u>7 5/8"</u>	<u>5 1/2"</u>		<u>7592'</u>		<u>2004 Cu.Ft. (1300 Sacks)</u>			
	<u>1 1/4"</u>		<u>5476'</u>					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

Actual Prod. Test - MCF/D <u>1,019</u>	Length of Test <u>3 Hours</u>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (prior, back pr.) <u>Back Pressure</u>	Tubing Pressure (Shut-In) <u>847</u>	Casing Pressure (Shut-In) <u>944</u>	Choke Size <u>3/4"</u>

VI. CERTIFICATE OF COMPLIANCE

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

[Signature]  
Superintendent  
(Title)  
7-29-83  
(Date)

OIL CONSERVATION DIVISION  
9-23-83 SEP 23 1983  
APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY [Signature]  
SUPERVISOR DISTRICT # 3  
TITLE Superintendent

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

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

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

Separate Forms C-104 must be filed for each pool in multi-completed wells.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 6, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company  
OPERATOR

Breech D 140-M (D)11-26N-06W  
LEASE WELL UNIT S - T - R

Blanco Mesaverde Gas Company of New Mexico  
POOL NAME OF PURCHASER

WAS MADE ON 12-6-83 , FIRST DELIVERY 12-6-83  
DATE DATE

1019  
INITIAL POTENTIAL

Gas Company of New Mexico  
PURCHASER

J.R. Large  
REPRESENTATIVE  
J.R. Large  
Dispatch Manager  
TITLE

/kn

cc: - OPERATOR  
New Mexico Oil Conservation Commission - Aztec  
Minerals Management Service - Oil & Gas  
Mr. E.R. Corliss, Engineering  
Mr. R.J. McCrary, Gas Contracts Adm.  
Mr. Robert Utay, Gas Accounting

FORM 29-43 11-78

Mr. Joel Levine, Gas Supply  
Prorations Dept., Albuquerque  
Chart Office, Kutz  
Mr. Perry McFarland, Kutz  
File

All distances must be from the outer boundaries of the Section.

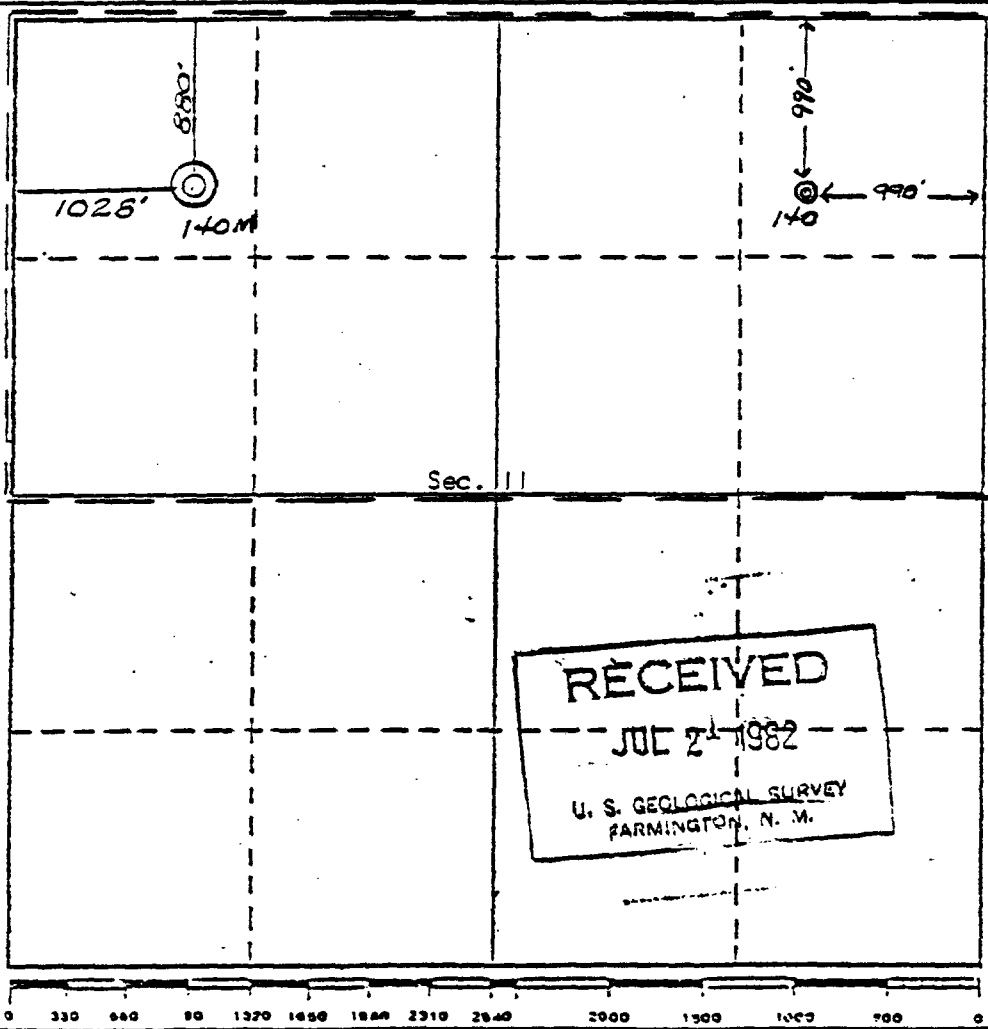
Operator CAULKINS OIL COMPANY		Lease Breech D			Well No. 140-M
Unit Letter D	Section 11	Township 26 NORTH	Range 6 WEST	County RIO ARRIBA	
Actual Postage Location of Well: 880 feet from the NORTH line and 1028 feet from the WEST line					
Ground Level Elev. 6597.0	Producing Formation Mesa Verde & Dakota		Pool Blanco Mesa Verde & Basin Dakota	Dedicated Acreage 320 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



CERTIFICATION

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

*Charles E. Verquer*

Name  
Charles E. Verquer  
Position  
Superintendent  
Company  
Caulkins Oil Company  
Date  
July 20, 1982

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
*Charles E. Verquer*  
Registered Professional Engineer and Land Surveyor  
CURTIS C. STUCKING

Certificate No.  
5980

RECEIVED  
JUL 21 1982  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.



# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

MESA VERDE

140 140-M Infil

Month	140		140-M	
	Production	Days On	Production	Days On
12-6-83	747	30	5,708	19
1-84	1,295	30	3,196	24
2-84	701	24	1,579	30
3-84	772	29	2,984	29
4-84	794	31	2,487	31
5-84	688	30	2,456	30
Total	4,997	174	18,410	163

# CAULKINS OIL COMPANY

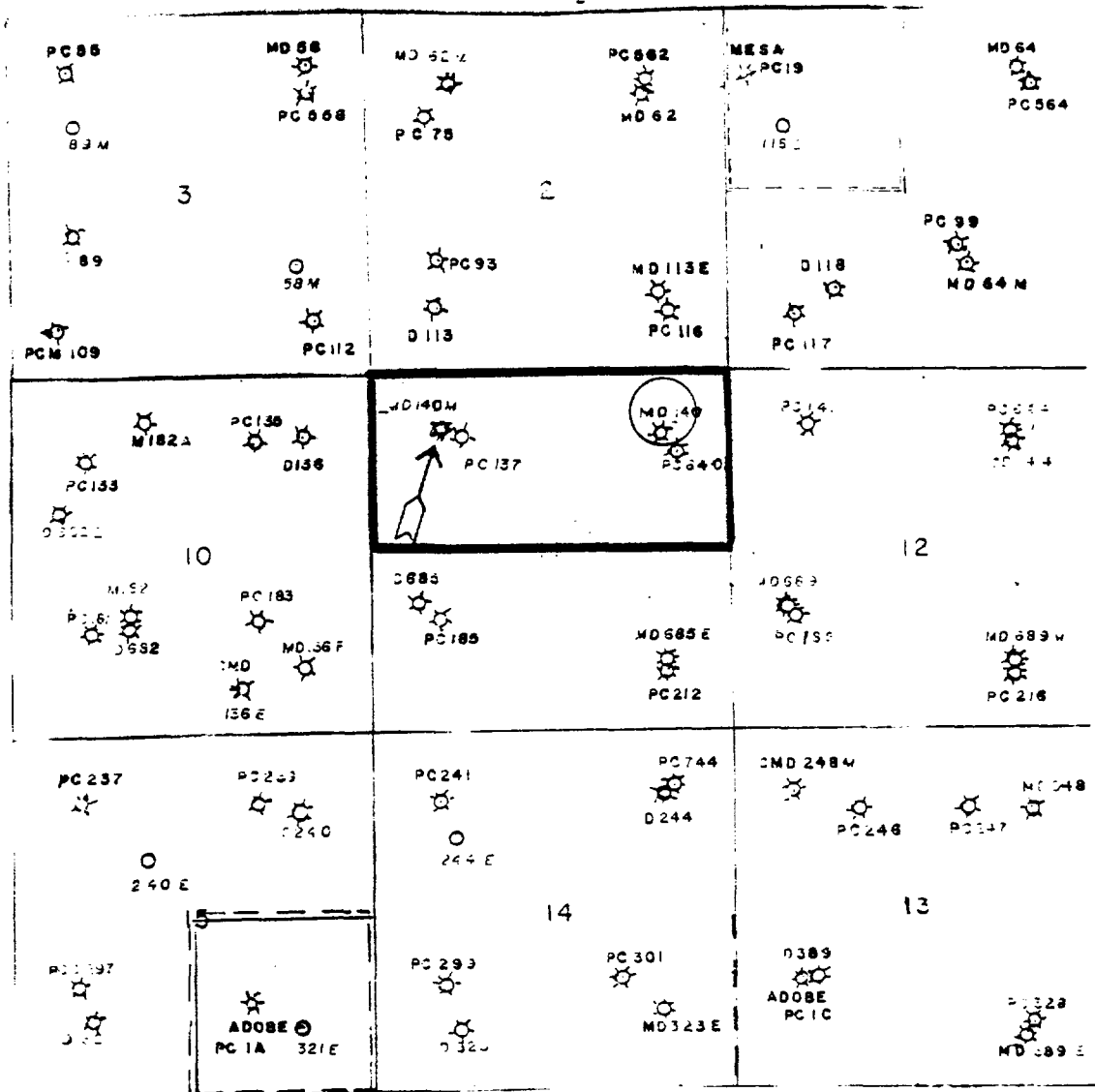
P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 11 26N16W, Rio Arriba County, N.M.

Well No. 140 - Original well Mesa Verde Zone, marked with circle.

Well No. 140-M - Infil well Mesa Verde Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion

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OPERATOR	

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.  
E 291 17

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work  
DRILL  DEEPEN  PLUG BACK

1b. Type of Well  
OIL WELL  GAS WELL  OTHER   
SINGLE ZONE  MULTIPLE ZONE

2. Name of Operator  
Caulkins Oil Company

3. Address of Operator  
P.O. Box 780, Farmington, New Mexico 87499

4. Location of Well  
UNIT LETTER D LOCATED 1040 FEET FROM THE North LINE  
AND 1120 FEET FROM THE West LINE OF SEC. 2 TWP. 26 N RGE. 6 W NMPM

7. Unit Agreement Name

8. Farm or Lease Name  
State A

9. Well No.  
62 M

10. Field and Pool, or Wildcat Basin  
Basin Dakota  
Blanco Mesa Verde

12. County  
Rio Arriba

19. Proposed Depth  
7600'

19A. Formation  
Dakota

20. Rotary or C.T.  
Rotary

21. Elevations (Show whether DF, RT, etc.)  
6592 Gr.

21A. Kind & Status Plug. Bond

21B. Drilling Contractor  
Aztec Well Service

22. Approx. Date Work will start  
May 1, 1983

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13 3/4"	9 5/8"	32.30	300'	250(293 CuFt)	Surface
7 7/8"	5 1/2"	15.5 & 17	7600'	1400(2000 CuFt)	Surface

It is proposed to drill Dakota Infill well to approx. 7600'. 5 1/2" 15.5# and 17# sml. casing to be run to TD and cemented in 3 stages with sufficient cement to circulate to surface.

Well will be drilled with 9.0# fluids surface to TD. A 10" 3000# WP, 6000# test BOP will be in use at all times while drilling below surface pipe.

This acreage dedicated to Gas Company of New Mexico.

Subject to Approval by OCD, well will be Dual Completed, with packer set between Dakota and Mesa Verde zones. Both zones will be perforated and sand-water frac'ed individually to stimulate production.

**RECEIVED**

MAR 15 1983

OIL CON. DIV.  
DIST. 3

ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK. GIVE DATA ON PRESENT PRODUCTION ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE SLOWOUT PREVENTER PROGRAM, IF ANY.

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

By Charles E. Veraver Title Superintendent Date 3-14-83

(This space for State Use)

SUPERVISOR DISTRICT # 3

MAR 15 1983

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED Sept. 15, 1983  
BY \_\_\_\_\_  
SUPERVISOR DISTRICT # 3

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

Case No. 8267 Exhibit No. 10

Submitted by Caulkins

Hearing Date 9/12/84

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Form O-105  
Revised 11-66

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

RECEIVED  
AUG 11 1983  
OIL CON. DIV.  
DIST. 3

19. Indicate Type of Lease  
State  Fee   
20. State Oil & Gas Lease No.  
**E-291-17**

19. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER   
b. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER   
2. Name of Operator  
**Caulkins Oil Company**  
3. Address of Operator  
**P.O. Box 780 Farmington, New Mexico**

7. Well Agreement Name  
8. Form of Lease Name  
**State "A"**  
9. Well No.  
**62-M**  
10. Field and Pool, or Wildcat  
**Blanco Mesa Verde**

4. Location of Well  
UNIT LETTER **D** LOCATED **1040** FEET FROM THE **North** LINE AND **1120** FEET FROM THE **West** LINE OF SEC. **2** TWP. **26N** RGE. **6W** NMPM

12. County  
**Rio Arriba**

15. Date Spudded **5-14-83** 16. Date T.D. Reached **5-26-83** 17. Date Compl. (Ready to Prod.) **7-7-83** 18. Elevations (DF, RKB, RT, GR, etc.) **6592 GR** 19. Elev. Casinghead **6592**  
20. Total Depth **7612** 21. Plug Back T.D. **7612** 22. If Multiple Compl., How Many **(2) Two** 23. Intervals Drilled By: Rotary Tools **0-7612** Cable Tools **No**

24. Producing Interval(s), of this completion - Top, Bottom, Name  
**5518 - 4877 Mesa Verde** 25. Was Directional Survey Made **No**  
26. Type Electric and Other Logs Run  
**ES Gamma Ray and Gas Spectrum** 27. Was Well Cored **No**

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36# H-40	403'	13 3/4"	354 Cu. Ft. (300 Sacks)	None
5 1/2"	15.5 & 17#	7612'	7 7/8"	2004 Cu. Ft. (1300 Sacks)	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
1 1/4"	5475'	5654'

31. Perforation Record (Interval, size and number)

Interval	Size	Number
1-.42-5518	1-.42-5378	1-.42-4877
1-.42-5492	1-.42-5354	
1-.42-5466	1-.42-5273	
1-.42-5414	1-.42-5218	
1-.42-5392	1-.42-4882	

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5518 - 4877	78,000# 20-40 Sand and 1365 bbls. 20# Gel Water

33. PRODUCTION  
Date First Production **7-14-83** Production Method (*Flowing, gas lift, pumping - Size and type pump*) **Flowing** Well Status (*Prod. or Shut-in*) **Shut-in**

Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
7-14-83	3 Hours	3/4"			92		

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
40	397			736		

34. Disposition of Gas (*Sold, used for fuel, vented, etc.*)  
**Gas to be sold to Gas Company of New Mexico (Condensated to Shell Oil Co.)** Test Witnessed By

35. List of Attachments  
**Complete Cementing records**

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Charles Vergara TITLE Superintendent DATE 7-18-83

0	2537	2537	Sand and Shale	2537	2537	Sand and Shale	0
2537	2660	2660	Water and Shale	123	2660	Water and Shale	2537
2660	3111	3111	Sand and Shale	451	3111	Sand and Shale	2660
3111	3180	3180	Gas Sands	69	3180	Gas Sands	3111
3180	4825	4825	Sand and Shale	1645	4825	Sand and Shale	3180
4825	4855	4855	Gas Sands	30	4855	Gas Sands	4825
4855	5351	5351	Sand and Shale	496	5351	Sand and Shale	4855
5351	5473	5473	Gas Sands	122	5473	Gas Sands	5351
5473	7348	7348	Sand and Shale	1875	7348	Sand and Shale	5473
7348	7612	7612	Gas Sands	264	7612	Gas Sands	7348

FORMATION RECORD (Attach additional sheets if necessary)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

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

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 6, from \_\_\_\_\_ to \_\_\_\_\_

OIL OR GAS SANDS OR ZONES

T. Anhy	T. Canyon	T. Ojo Alam	2537	T. Penn. "B"	2537
T. Salt	T. Strawn	T. Kirtland-Fruitland	2660	T. Penn. "C"	2660
T. Salt	T. Aoka	T. Natural Cliffs	3111	T. Penn. "D"	3111
T. Yates	T. Miss	T. Cliff House	4825	T. Leadville	4825
T. 7 Rivers	T. Devonian	T. Menefee	4855	T. Madison	4855
T. Queen	T. Silurian	T. Point Lookout	5351	T. Elbert	5351
T. Grayburg	T. Montoya	T. Minicos	5473	T. McCracken	5473
T. San Andres	T. Simpson	T. Gallup	6676	T. Ignacio Ortiz	6676
T. Glorieta	T. McKee	T. Frise Greenhorn	7320	T. Granite	7320
T. Paddock	T. Ellenburger	T. Dakota	7348		
T. Blinberry	T. Gr. Wash	T. Morrison			
T. Tubb	T. Granite	T. Todillo			
T. Drinkard	T. Delaware Sand	T. Entrada			
T. Abo	T. Bone Springs	T. Wingate			
T. Wolfcamp		T. Chimle			
T. Penn.		T. Permian			
T. Cisco (Bough C)		T. Penn. "A"			

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

This form is to be filled with the appropriate formation names of the Commission and from them to appear on the completion of any newly drilled or deepened well. It shall be completed by the operator and returned to the Commission on the well and a summary of all reported tests completed, including drill stem tests. All data reported shall be measured and recorded in the case of irregularly drilled wells, true vertical depth shall also be reported. For analysis, completion, flow, or through, as shall be reported for each zone. The form is to be filed in quadruplicate except on state land, where six copies are required. See Rule 110.

Ran 5 1/2" Production Casing as follows:

7612' to 6609'	(1003')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
6609' to 5579'	(5579')	New 5 1/2"	15.5#	LT&C	K-55 Smls Casing
1030' to Surface	(1030')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 5608' and 3446'.

Cement Baskets run on Casing string at 5692' and 3530'.

24 Centralizers run on Casing string at following points:

7570', 7529', 7487', 7444', 7402', 7361', 7320', 7278', 7236', 7193', 7151', 7113', 7071', 7029', 5649', 5568', 5525', 5483', 5443', 5400', 5361', 5320', 3487' and 3404'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 7612' with 412.50 Cu.Ft. (250 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.  
Plug down first stage 8:20 PM 5-27-83

Second Stage cemented thru Stage Tool set at 5608' with 412.50 Cu.Ft. (250 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.  
Plug down second stage 9:30 PM 5-27-83

Third Stage cemented thru Stage Tool set at 3446'. With 825 Cu.Ft. (500 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.  
Plug down third stage 11:00 PM 5-27-83

Cement circulated on all three Stages.

Approx 2 bbls. slurry on first stage.  
Approx 1 bbls. slurry on second stage.  
Approx 5 bbls. slurry on third stage.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

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TRANSPORTER	OIL
	GAS
OPERATOR	
PROMOTION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well	<input type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>
		Dry Gas	<input type="checkbox"/>
		Condensate	<input checked="" type="checkbox"/>

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>State "A"</u>	Well No. <u>62 M</u>	Pool Name, including Formation <u>Blanco Mesa Verde</u>	Kind of Lease State, Federal or Fee <u>State</u>	Lease No. <u>E-291-17</u>
Location				
Unit Letter <u>D</u>	<u>1040</u>	Feet From The <u>North</u>	Line and <u>1120</u>	Feet From The <u>West</u>
Line of Section <u>2</u>	Township <u>26 North</u>	Range <u>6 West</u>	<u>NMPM, Rio Arriba</u> County	

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	<u>Giant Refinery Company</u>	Address (Give address to which approved copy of this form is to be sent)	<u>P.O. Box 256 Farmington, New Mexico</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	<u>Gas Company of New Mexico</u>	Address (Give address to which approved copy of this form is to be sent)	<u>1508 Pacific Ave. Dallas, Texas</u>
If well produces oil or liquids, give location of tanks.	Unit <u>D</u>	Sec. <u>2</u>	Twp. <u>26 N</u>
	Rge. <u>6 W</u>	Is gas actually connected?	When
		<u>No</u>	

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		<u>X</u>	<u>X</u>					
Date Spudded <u>5-14-83</u>	Date Compl. Ready to Prod. <u>7-7-83</u>	Total Depth <u>7612'</u>	P.B.T.D. <u>7612'</u>					
Elevations (DF, RKB, RT, GR, etc.) <u>6592 GR</u>	Name of Producing Formation <u>Mesa Verde</u>	Top Oil/Gas Pay <u>4877'</u>	Tubing Depth <u>5475'</u>					
Perforations <u>5518' - 4877' Mesa Verde</u>			Depth Casing Shoe <u>7612'</u>					
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
<u>13 3/4"</u>	<u>9 5/8"</u>	<u>403'</u>	<u>354 Cu.Ft. (300 sacks)</u>					
<u>7 7/8"</u>	<u>5 1/2"</u>	<u>7612'</u>	<u>2004 Cu.Ft. (1300 sacks)</u>					
	<u>1 1/4"</u>	<u>5475'</u>						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

Actual Prod. Test - MCF/D <u>7.36</u>	Length of Test <u>3 Hours</u>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (plug, back pr.) <u>Back Pressure</u>	Tubing Pressure (shut-in) <u>925</u>	Casing Pressure (shut-in) <u>928</u>	Choke Size <u>3/4"</u>

VI. CERTIFICATE OF COMPLIANCE

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

Charles E. Vargas  
(Signature)  
Superintendent  
(Title)  
8-8-83  
(Date)

OIL CONSERVATION DIVISION  
9-23-83 SEP 23 1983  
APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY Frank J. King  
SUPERVISOR DISTRICT # 3  
TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepen well, this form must be accompanied by a tabulation of the deviate tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiple completed wells.



OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 15, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company  
OPERATOR


State A 62-M (D)02-26N-06W  
LEASE WELL UNIT S - T - R

Blanco Mesaverde Gas Company of New Mexico  
POOL NAME OF PURCHASER

WAS MADE ON 12-13-83 , FIRST DELIVERY 12-13-83  
DATE DATE

736  
INITIAL POTENTIAL

Gas Company of New Mexico  
PURCHASER

  
REPRESENTATIVE  
J.R. Large  
Dispatch Manager  
TITLE

/kn

cc: OPERATOR  
New Mexico Oil Conservation Commission - Aztec  
Minerals Management Service - Oil & Gas  
Mr. E.R. Corliss, Engineering  
Mr. R.J. McCrary, Gas Contracts Adm.  
Mr. Robert Utay, Gas Accounting  
Mr. Joel Levine, Gas Supply  
PROPRATIONS Dept., Albuquerque  
Chart Office, Kutz  
Mr. Perry McFarland, Kutz  
File

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2028  
SANTA FE, NEW MEXICO 87501

Form O-102  
Revised 10-1-7

Distances must be from the outer boundaries of the section.

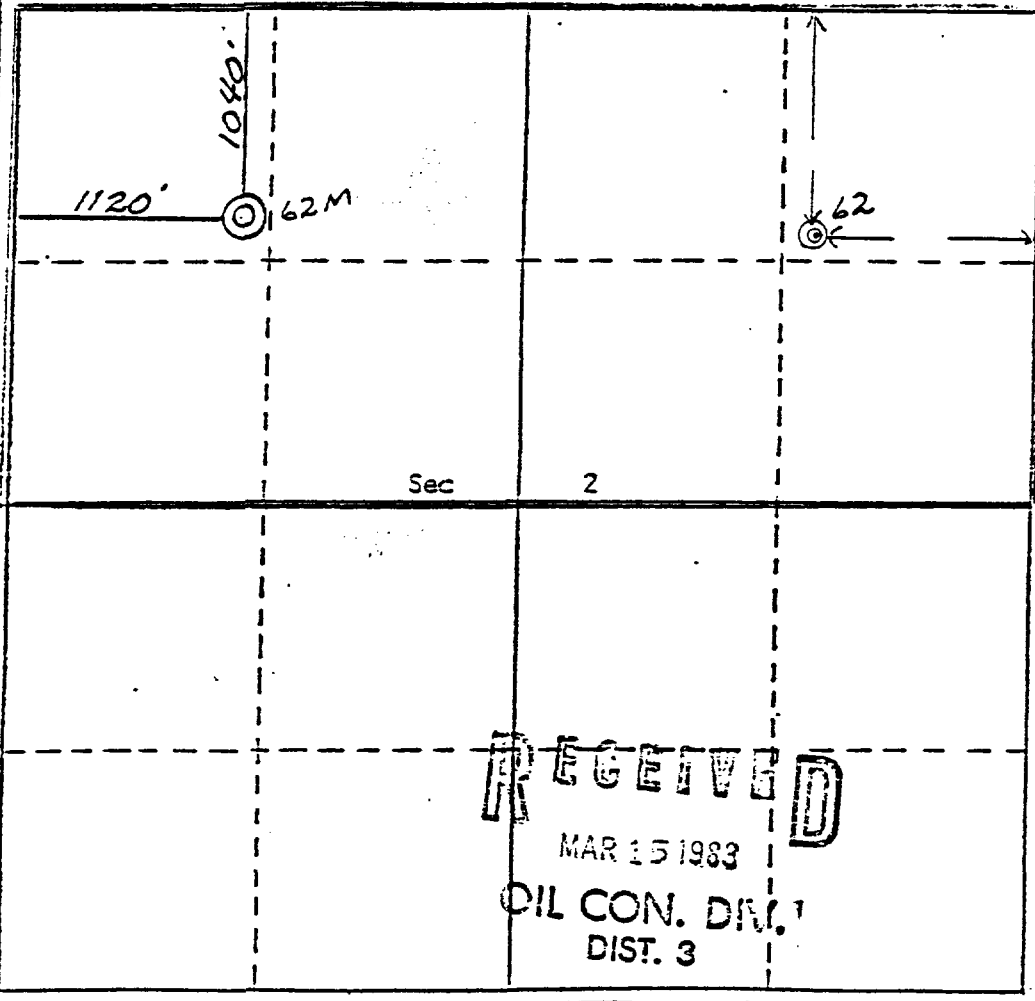
Operator CAULKINS OIL COMPANY		Lease State "A"			Well No. 62-M
Unit Letter D	Section 2	Township 25N	Range 6W	County Rio Arriba	
Actual Footage Location of Well: 1040 feet from the North line and 1120 feet from the West line					
Ground Level Elev. 6592	Producing Formation Mesa Verde - Dakota		Pool Blanco Mesa Verde - Basin Dakota	Dedicated Acres: 32.3 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

*Charles Verquer*  
Charles Verquer

Name  
Superintendent

Position  
Caulkins Oil Company

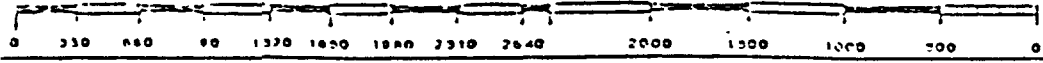
Company  
3-4-83

Date

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**RECEIVED**  
MAR 15 1983  
OIL CON. DIV.  
DIST. 3

October 1980 LAND SURVEYOR  
Curtis L. Stucking  
Registered Professional Engineer and/or Land Surveyor  
5980  
Certificate No. \_\_\_\_\_



# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

MESA VERDE

62 62-M Infil

Month	Production	62 Days On	Production	62-M Days On
12-13-83	1,753	29	2,608	12
1-84	Shut-in		3,129	24
2-84	1,323	11	1,990	31
3-84	4,108	19	7,339	23
4-84	1,278	10	2,394	31
5-84	1,447	19	1,506	30
Total	9,909	88	18,966	151

# CAULKINS OIL COMPANY

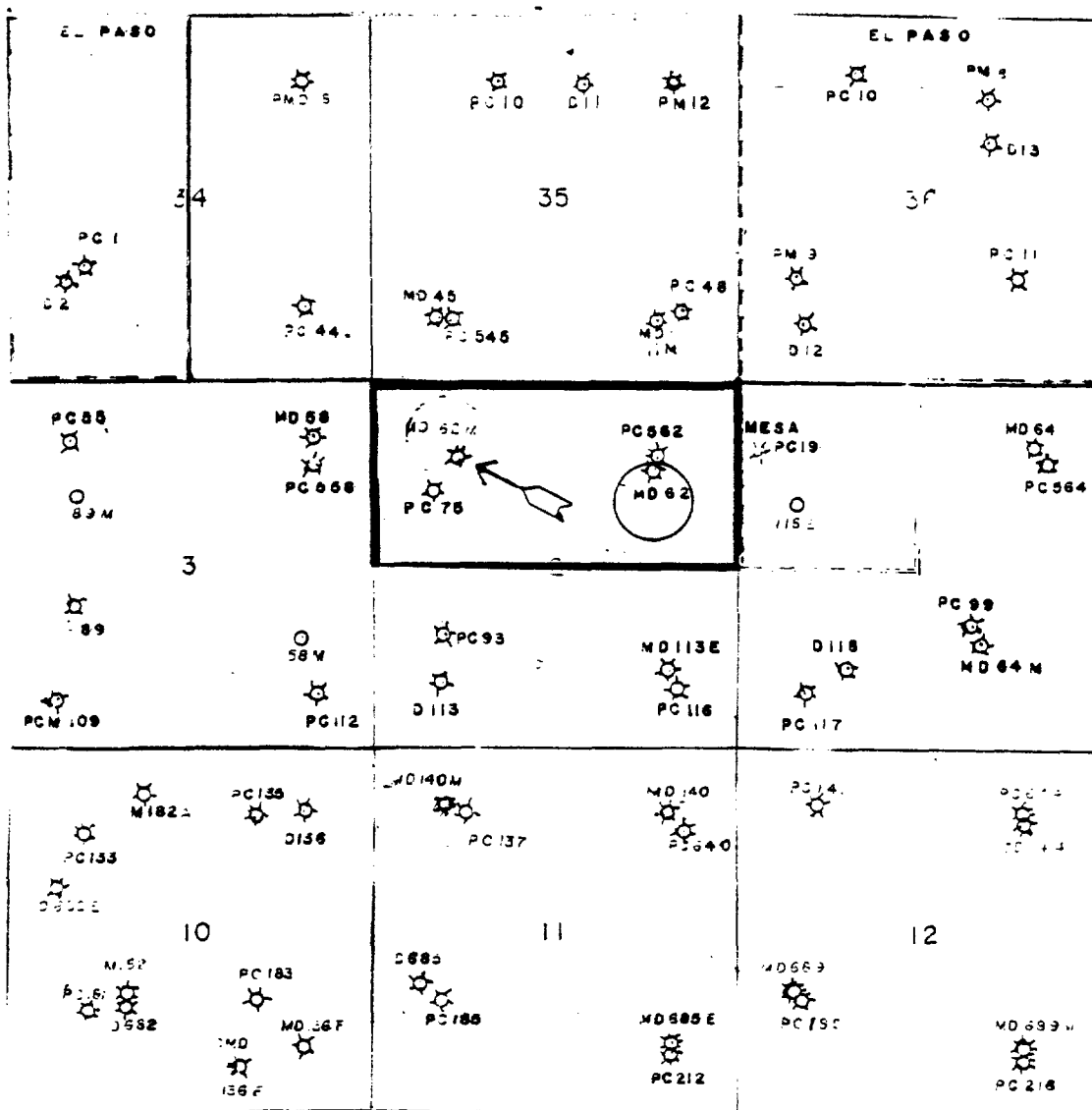
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 2 26N 6W, Rio Arriba County, N.M.

Well No. 62 - Original well Mesa Verde Zone, marked with circle.

Well No. 62-M - Infil well Mesa Verde Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



P or PC = Pictured Cliffs Completion  
 C = Chacra Completion  
 M or MV = Mesa Verde Completion  
 D = Dakota Completion

RULES AND REGULATIONS NGPA SECTION 6

Rule #1

Replacement well 235-R, located 1070' From North and 920' From East of Section 16, 26N 6W drilled to replace well No. 235 located 990' From North and 1800' From East of Section 16, 26N 6W.

Rule #2

235 well spudded 11-22-51 open hole Completion. Interval 3029' to 3105' shot with 660 Qt. SNG 1-9-52. No record of when well turned on line.

11-17-61 Open hole interval 3036' to 3065' Fractured with 50,000# 10-20 sand and 29,540 gallons water. Test after Fracture treatment 534 MCFPD. Test before Fracture treatment 103 MCFPD.

7-5-62 Moved in Rig to pull 1" tubing plugged with sand. Tubing was dropped in dry hole while coming out. Fished for 1" tubing and cleaned out to 2730' leaving 21 joints 1" tubing in hole. Reran 1" tubing to 2726' and turned well on line.

Rule #4

Set for hearing.

Rule # 5

Plat attached.

Rule #6

- (a) Cost of replacing 235 Pictured Cliffs in new well 235-R as allocated from total cost of new well, \$46,856.90.
- (b) 235 has formation damage due to not being able to remove fluids below 2726'.
- (d) Plugging information on 235 attached.

Rule #8

(235-R) Copy of spudding notice, Completion report and Gas Company of New Mexico Notice of 1st delivery of gas.

*Attach*  
*235-R*  
*Replacement*  
*#235-R*

OIL CO  
S

Case No. 8267 Exhibit No. 11

Submitted by Caulkins

Hearing Date 9/12/84

# CAULKINS OIL COMPANY

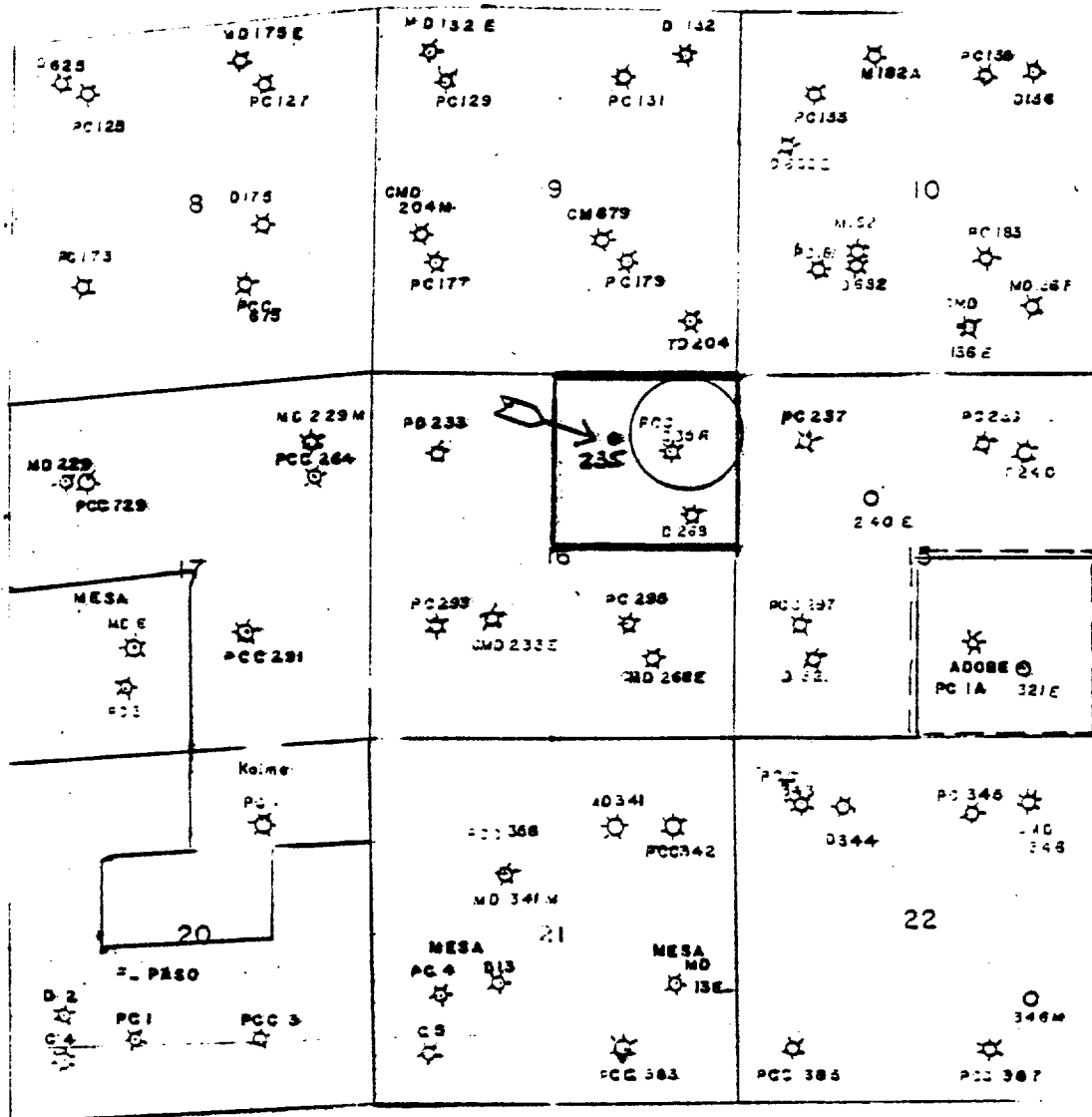
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: NE 1/4 of Section 16 26N 6W, Rio Arriba County, N.M.

Well No. 235 - Original well Pictured Cliffs Zone, marked with arrow

Well No. 235 R - Replacement well Pictured Cliffs Zone, marked with circle

All acreage on this plat, not otherwise identified, operated by Caulkins



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion

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LAND OFFICE	
OPERATOR	3

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
E-291-25

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Caulkins Oil Company	8. Form or Lease Name State C. Comm.
3. Address of Operator Post Office Box 780, Farmington, New Mexico	9. Well No. 235
4. Location of Well UNIT LETTER <u>B</u> <u>990</u> FEET FROM THE <u>North</u> LINE AND <u>1800</u> FEET FROM THE <u>East</u> LINE, SECTION <u>16</u> TOWNSHIP <u>26-N</u> RANGE <u>6-W</u> N.M.P.M.	10. Field and Pool, or Wildcat South Blanco PC
15. Elevation (Show whether DF, RT, GR, etc.) 6654 DF	12. County Rio Arriba

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

OTHER

PLUG AND ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPER.

CASING TEST AND CEMENT JOB

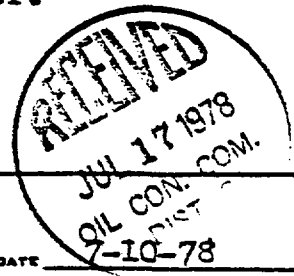
OTHER

ALTERING CASING

PLUG AND ABANDONMENT

17. Describe Proposed or Completed Operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1702.

Present condition: Flowing avg. 33 MCFPD to pipeline.  
TD 3105'  
8 5/8" casing cemented top to bottom 605'  
5 1/2" casing cemented 3019' to approx 1600' (top of Alamo 2315')  
1" line pipe tubing at 2726'.  
Junk 1" tubing below 2726'. (Junk in well makes it impossible to clean well.)  
Replacement well has been drilled in this proration unit. It is now proposed to plug and abandon this well in following manner:  
  
Pull 1" tubing now set at 2726'.  
Run 2" tubing with packer and set at approx 2700' and spot cement plug 2700' to TD. Then fill pipe 2700' to 100' with 9# Gel Base Mud.  
Spot 100' cement plug 100' to surface, and install marker.



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

SIGNED Charles E. Obergue TITLE Superintendent DATE 7-10-78

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:



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LAND OFFICE	
OPERATOR	4

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease	
State <input checked="" type="checkbox"/>	Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.	
E-291-25	
7. Unit Agreement Name	
8. Form of Lease Name	
State C Comm.	
9. Well No.	
235	
10. Field and Pool, or Wildcat	
South Blanco PC	
12. County	
Rio Arriba	

SUNDRY NOTICES AND REPORTS ON WELLS  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT..." (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>
2. Name of Operator
Cavillins Oil Company
3. Address of Operator
P.O. Box 780, Farmington, New Mexico 87401
4. Location of Well
UNIT LETTER <u>B</u> <u>990</u> FEET FROM THE <u>North</u> LINE AND <u>1800</u> FEET FROM
THE <u>East</u> LINE. SECTION <u>16</u> TOWNSHIP <u>26 N</u> RANGE <u>6W</u> N.M.P.M.
15. Elevation (Show whether DF, RT, GR, etc.)
6654 Gr

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUS AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUS AND ABANDONMENT <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

8-11-78 - Pulled 1" tubing set at 2626'.

Ran 2" tubing with packer set at 2680 and squeezed cement away 2680 to 3105.  
Used 75 sacks cement.

8-12-78 Spotted 9.1# Gel based mud 2680 to 650'.

Spotted cement 650 to 550 inside and outside of 5 1/2" casing to tie 8 5/8" surface casing to formation.

Spotted 100' plug 0 to 180' in top of 5 1/2" casing.

8-15-78 Welded 4 1/2" OD marker to top of 5 1/2" casing.

SEP 15 1978  
OIL CON. COM.  
DIST. 3

Note: WILL submit subsequent report when location cleaned and ready for final inspection.

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

SIGNED <u>Charles E. Vergues</u>	TITLE <u>Superintendent</u>	DATE <u>9-8-78</u>
APPROVED BY <u>AR Kendrick</u>	TITLE <u>SUPERVISOR DISTRICT 3</u>	DATE <u>JUL 10 1979</u>
CONDITIONS OF APPROVAL, IF ANY:		

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LAND OFFICE	
OPERATOR	/

NEW MEXICO OIL CONSERVATION COMMISSION

Supersedes  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
E-291-17 & E-291-25

SUNDRY NOTICES AND REPORTS ON WELLS

(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL  GAS WELL  OTHER  7. Unit Agreement Name

2. Name of Operator  
Caulkins Oil Company 8. Form of Lease (Name)  
State "C" Com

3. Address of Operator  
P.O. Box 780 Farmington, New Mexico 9. Well No.  
235-R

4. Location of Well  
UNIT LETTER A 1070 FEET FROM THE North LINE AND 920 FEET FROM  
THE East LINE, SECTION 16 TOWNSHIP 26N RANGE 6W RMPM.  
South Blanco FC  
Otero-Chacra

15. Elevation (Show whether DF, RT, GR, etc.)  
6530 Gr 12. County  
Rio Arriba

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data/  
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

7. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1102.

Spud at 2:00 PM 6-21-78  
 Drilled 12 1/4" hole to 100'  
 Cemented 8 5/8" 24# J-55 New Casing at 97' with 100 sacks 2% CaCL.  
 Plug down at 9:15 pm 6-21-78  
 Cement circulated to surface.  
 Tested casing with 500# 6-22-78.  
 No decrease in pressure.

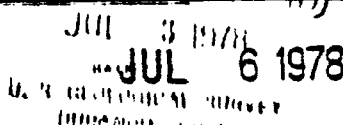


16. I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNED Dennis B. Blewett TITLE Prod. Foreman



DEPUTY OIL & GAS INSPECTOR, DIST. #3



NO. OF COPIES RECEIVED	6
DISTRIBUTION	
SANTA FE	1
FILE	1
U.S.G.S.	2
LAND OFFICE	1
OPERATOR	1

Form C-105  
Revised 11-66

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

51. Indicate Type of Lease  
State  Fee

52. State Oil & Gas Lease No.  
E-291-17 and E-291-25

12. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_

b. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER \_\_\_\_\_

7. Unit Agreement Name

8. Form of Lease Name  
STATE C COMM

2. Name of Operator  
CAULKINS OIL COMPANY

3. Address of Operator  
P.O. BOX 780, FARMINGTON, NEW MEXICO

9. Well No.  
235 R.

10. OPERATOR WILL LOCATE  
SOUTH BLANCO FC

4. Location of Well  
UNIT LETTER A LOCATED 1070 FEET FROM THE North LINE AND 920 FEET FROM \_\_\_\_\_

THE East LINE OF SEC. 16 TWP. 26N REG. 6W NMPM \_\_\_\_\_

11. County

15. Date Spudded 6-21-78 16. Date T.D. Reached 6-29-78 17. Date Compl. (Ready to Prod.) 8-8-78 18. Elevations (DP, RKB, RT, GR, etc.) 6530 GR 19. Elev. Casinghead 6531

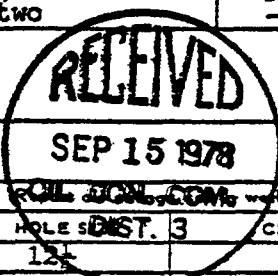
20. Total Depth 3976 21. Plug Back T.D. 3976 22. If Multiple Compl., How Many TWO 23. Intervals Drilled By: Rotary Tools 0-3976 Cable Tools \_\_\_\_\_

24. Producing Interval(s), of this completion - Top, Bottom, Name  
2920-3017 Pictured Cliffs  
3800-3906 Chacra

25. Was Directional Survey Made  
No

26. Type Electric and Other Logs Run  
GRN

27. Was Well Cored  
No



28. CASING RECORD (For all casing used in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	DIST. 3	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	100	12 1/2		100	None
4 1/2	10.5	3976	7 7/8		740	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
1 1/2	3901	None

31. Perforation Record (Interval, size and number)  
Two .38 hole at each of the following:  
3800, 3808, 3814, 3819, 3825, 3833, 3845, 3854, 3862, 3883, and 3905. One .38 hole for: 2920, 2926, 2940, 2945, 2950, 2957, 2970, 2984, 3006, and 3017.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2920-3017	fraced w/ 60,000 20-40 sand and 1474 bbls water.
3800-3906	fraced w/ 50,000 #20-40 sand and 1400 bbls water.

33. PRODUCTION

Date First Production 8-15-78 Production Method (Flowing, gas lift, pumping - Size and type pump) flowing Well Status (Prod. 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
8-15-78	3	3/4			199		

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Curr.)
40	435			1597		

34. Disposition of Gas (Sold, used for fuel, vented, etc.) VENTED Test Witnessed By \_\_\_\_\_

35. List of Attachments

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Charles E. Vergara Supt. DATE 9-8-78

INSTRUCTIONS

This form is to be filled with the appropriate data of the formation not less than 20 days after the completion of any newly-drilled or deepened well. It shall be completed by each party of all strata and rock-formation in the well and a quantity of all special tests completed, including their results. All tests required shall be reported by the party in the case of horizontally drilled wells; the vertical depth shall also be reported. For multiple sand sections, form to be filled through as shall be reported for each zone. The form is to be filled in duplicate except on single sand, where six copies are required. See page 1155.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

Northern New Mexico

Formation	Top	Formation	Top
T. Canyon		T. Ojo Alamo	
T. Salt		T. Kirtland-Fruitland	
T. Salt		T. Penn. "D"	
T. Abo		T. Penn. "C"	
T. Straw		T. Penn. "B"	
T. Miss		T. Chadra	3800
T. Devonian		T. Menefee	
T. Silurian		T. Point Lookout	
T. Grayburg		T. Mancos	
T. San Andres		T. Gallup	
T. Gileta		T. Base Greenhorn	
T. Paddock		T. Dakota	
T. Dinwohy		T. Morrison	
T. Tubb		T. Todillo	
T. Drinkard		T. Entrada	
T. Abo		T. Kingac	
T. Wolfcamp		T. Chinle	
T. Penn.		T. Permian	
T. Cisco (Bough)		T. Penn. "A"	

OIL OR GAS SANDS OR ZONES

No. 1, from	to	No. 4, from	to
2920	3017		
No. 2, from	3800	No. 5, from	
	3906		
No. 3, from		No. 6, from	

IMPORTANT WATER-SANDS

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

No. 1, from	to	No. 2, from	to
2710	2505		
No. 3, from		No. 4, from	

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	2710	2710	Sand and Shale	2710	2505	95	Sand
2505	2920	415	Shale	2920	415	783	Shale
2920	3017	97	Sand	3017	3906	106	Sand
3017	3800	783	Shale	3800			
3800							

CV

9

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE January 26, 1979

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM THE Caulkins Oil Company OPERATOR

State C Comm 235-R (A)16-26N-06W  
LEASE WELL UNIT S-T-R  
South Blanco Pictured Cliffs Gas Company of New Mexico  
POOL NAME OF PURCHASER

WAS MADE ON 1-25-79 , FIRST DELIVERY 1-27-79  
DATE DATE

INITIAL POTENTIAL

NOTE: COMINGLED WITH OTERO CHACRA POOL.

Gas Company of New Mexico  
PURCHASER



REPRESENTATIVE

James R. Large

Dispatch Manager

TITLE

/sw  
cc: OPERATOR

- New Mexico Oil Conservation Commission - Aztec
- U. S. Geological Survey
- Mr. E. R. Corliss, Engineering
- Mr. R. J. McCrary, Prorations
- Mr. W. B. Richardson, Gas Measurement
- Mr. Dan McFearin, Gas Accting.
- Ms. Gail Atkins, Gas Supply
- Mr. Ron Coffee, Kutz
- File

DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	2
PRORATION OFFICE	

**NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS**

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

**I. OPERATOR**

Operator  
Caulkins Oil Company

Address  
Post Office Box 780, Farmington, New Mexico

Reason(s) for filing (Check proper box)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Dry Gas	<input type="checkbox"/>
		Casinghead Gas	<input type="checkbox"/>
		Condensate	<input type="checkbox"/>

Other (Please explain)  
Commingled

If change of ownership give name and address of previous owner \_\_\_\_\_

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name <u>State C Comm</u>	Well No. <u>235 R</u>	Pool Name, including Formation <u>South Blanco Pictured Cliff</u>	Kind of Lease State, Federal or Fee	State <u>State</u>	Lease No. <u>291 17</u> <u>291 25</u>
Location Unit Letter <u>A</u> ; <u>1070</u> Feet From The <u>North</u> Line and <u>920</u> Feet From The <u>East</u>					
Line of Section <u>16</u> Township <u>26 North</u> Range <u>6 West</u> , NMPM, <u>Rio Arriba</u> County					

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Gas Company of New Mexico</u>	<u>1508 Pacific Ave., Dallas, Texas</u>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<u>No</u>

If this production is commingled with that from any other lease or pool, give commingling order number: D-5648

**IV. COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Resrv.	Diff. Resrv.
		X	X					
Date Spudded <u>6-21-78</u>	Date Compl. Ready to Prod. <u>8-8-78</u>	Total Depth <u>3976</u>		P.B.T.D. <u>3976</u>				
Elevations (DF, RKB, RT, CR, etc.) <u>6530 Gr.</u>	Name of Producing Formation <u>Pictured Cliffs</u>	Top Oil/Gas Pay <u>2920 - 3800</u>		Tubing Depth <u>3901</u>				
Perforations <u>2920 to 3017 &lt; 3800 - 3906</u>				Depth Casing Shoe <u>3976</u>				

**TUBING, CASING, AND CEMENTING RECORD**

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
<u>12 1/4</u>	<u>8 5/8</u>	<u>100'</u>	<u>100</u>
<u>7 7/8</u>	<u>4 1/2</u>	<u>3976</u>	<u>740</u>
	<u>1 1/4</u>	<u>3901</u>	

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

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

**GAS WELL**

Actual Prod. Test-MCF/D <u>1110 1597</u>	Length of Test <u>3 hours</u>	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.) <u>Back Pressure</u>	Tubing Pressure (Shut-in) <u>545</u>	Casing Pressure (Shut-in) <u>540</u>	Choke Size <u>3/4</u>

**I. CERTIFICATE OF COMPLIANCE**

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

Charles E. Vesque  
(Signature)

Superintendent  
(Title)

9-2-78  
(Date)

**OIL CONSERVATION COMMISSION**

APPROVED SEP 15 1978, 19

BY [Signature]

TITLE SUPERVISOR DIST. #2

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

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

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

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

Separate Form C-104 must be filed for each well in multiple.

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

WELL NO. 235

Cumulative Production Thru 1973	719,479	MCF
1974	23,481	
1975	18,180	
1976	11,580	
1977	16,023	
1978	3,937	
	<hr/>	
	792,680	MCF

Monthly Production	1978
January	133
Febuary	1175
March	1000
April	603
May	588
June	276
July	162

RULES AND REGULATIONS NGPA SECTION 6

Rule #1

220-R located 1750' From East and 944' From North of Section 14, 26N 7W to replace well No. 220 located 990' From North and 990' From East of Section 14, 26N 7W, Rio Arriba County, New Mexico, Pictured Cliffs Zone only.

Rule #2

Downhole mechanical failure. Well making water from unknown source and as a well was being drilled to Dakota formation in this Quarter Section, approval to Plug and Abandon this well and open Pictured Cliffs in new well was obtained. Copy of approval attached.

Rule #4

Set for hearing for exemption.

Rule #5

Plat attached.

Rule # 6

- (a) Cost of replacing 220 Pictured Cliffs in new well 220-R \$68,289.04.
- (b) Rule #2 above.
- (d) Plugging Information attached.

Rule #8

- (220-R) Copy of Intention to Drill, Completion Report, C-104 and copy of Gas Company of New Mexico Notice of 1st delivery.

*attach*

*220*

*12*

BEFORE THE  
CONSERVATION COMMISSION  
Santa Fe, New Mexico  
No. 8267 Exhibit No. 12  
Submitted by Caulkins  
Filing Date 9/12/84



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780, Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 990' F/N-990' F/E  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

5. CASE  
NM-03381

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breech B

9. WELL NO.  
220

10. FIELD OR WILDCAT NAME  
South Blanco-Pictured Cliffs

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
Section 14, 26N 7W

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6537 Gr.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input checked="" type="checkbox"/>	<input type="checkbox"/>
(other) _____	

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This well presently producing less than 20 MCFPD. Due to hole conditions now present in well it is impossible to keep well clean. A new well was drilled and completed in this Zone in 1979 on this proration Unit.

It is now proposed to plug and abandon this well. Leaving only one well on 160 acre Unit.

Present Condition:

10-13-57 8 5/8" 24# J-55 cemented at 105' with 80 sacks. Cement circulated to surface.

10-24-57 4 1/2" 9.5# casing set at 2810'. Cemented with 200 sacks. Cement top Est. 1610'. (OVER)

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles W. Wagoner TITLE Superintendent DATE 2-13-80

APPROVED

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

FEB 19 1980

Carl A. Barrick

CARL A. BARRICK

REGISTERED ENGINEER

\*See Instructions on Reverse Side

FEB 13 1980

**Instructions**

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

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

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

4 1/2" perforated with 4 holes per foot: 2727 to 2762 and 2788 to 2802.

**Formation Tops:**

Alamo 2015'  
Pictured Cliffs 2725'

**Plugging Plan:**

Spot cement plug in 4 1/2" casing TD to 1500'.

9.0# Gel Based Mud 1500' to 150'. Cement plug 150' to surface inside and outside of 4 1/2" casing.

A 4 1/2" Monument will be welded to top of 4 1/2" casing.

Plugging operations to be commenced immediately after receiving approval.

OPD: 1978 O-214-148

# CAULKINS OIL COMPANY

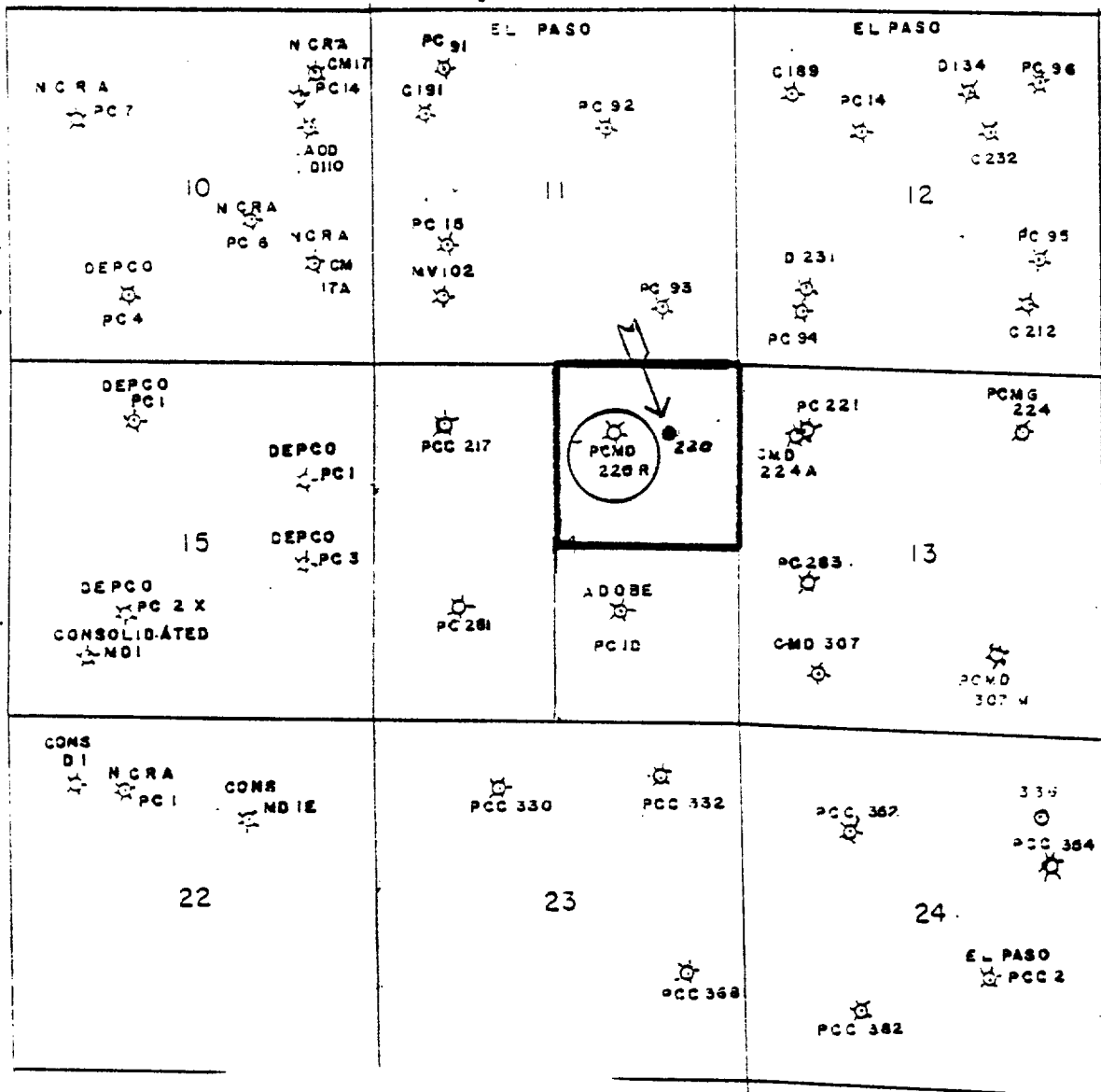
P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: NE 1/4 of Section 14 26N 7W, Rio Arriba County, N.M.

Well No. 220 - Original well Pictured Cliffs Zone, marked with arrow

Well No. 220 R - Replacement well Pictured Cliffs Zone, marked with circle

All acreage on this plat, not otherwise identified, operated by Caulkins



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- G = Greenhorn Completion
- D = Dakota Completion

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

NM 03381

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech "B"

9. WELL NO.

220-R

10. FIELD AND POOL OR WILDCAT

Basin Dakota

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

Sec. 14 26N 7W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK

DRILL

DEEPEN

PLUG BACK

2. TYPE OF WELL

OIL WELL

GAS WELL

OTHER

SINGLE ZONE

MULTIPLE ZONE

2. NAME OF OPERATOR

Caulkins Oil Company

3. ADDRESS OF OPERATOR

Post Office Box 780, Farmington, New Mexico 87401

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

AT SURFACE

1750' from the East Line and 944' from the North Line.

At proposed prod. zone

Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

35 miles Southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest dirg. unit line, if any)

16. NO. OF ACRES IN LEASE

1120

17. NO. OF ACRES ASSIGNED TO THIS WELL

320

18. DISTANCE FROM PROPOSED LOCATION\*

TO NEAREST WELL DRILLING, COMPLETED, OR APPLIES FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

7300

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, BT, GR, etc.)

6537 GR.

22. APPROX. DATE WORK WILL START\*

April 1, 1979

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4	9 5/8	36 #	300'	Sufficient to circulate
8 3/4	7"	23 and 26 #	7300'	1250 sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated. It is proposed to drill well to 7300' using 9 5/8" Gel based mud. Float will be run in Drill Pipe at Bit. ES Ind., Density and Caliper logs will be run in open hole. New 7" 23# & 26# J-55 Smls Casing will be cemented at TD with sufficient cement to circulate to surface. Pipe will be cemented in 3 stages. Casing will have rotating Scratchers over Pictured Cliffs, Chacra, Mesa Verde and Dakota Zones. Stage tools will be run below base of Point Lookout and below base of Pictured Cliffs sands. Centralizers and cement baskets will also be run on casing thru pay zones.

A Shaffer 10" Model LWP, 6000# test blowout preventor will be in use at all times while drilling and cementing. Blowout preventor will be tested each day.

It is proposed to run New 2 3/8" tubing to Dakota zone with packer set between Mesa Verde zone and Dakota zone. 2 3/8" EUE tubing will be run to Mesa Verde for Mesa Verde, Chacra and Pictured Cliffs Production.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventor program, if any.

24. NAME Charles E. Vesper TITLE Superintendent DATE 1-10-79

(This space for Federal or State office use)  
**APPROVED**

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
"APPROVAL TO FLARE GRANTED WHILE DRILLING AND TESTING"

APPROVED BY MAY 9 1979  
COMMISSIONER OF APPROVAL CARL A. BARRICK

ACTING DISTRICT ENGINEER

\*See Instructions On Reverse Side

STIPULATIONS ATTACHED

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plate, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE: 1967-O-711-346

839-171

Completion of this well as shown above subject to approval by New Mexico Oil Conservation Commission for commingling of Mesa Verde, Chacra and Pictured Cliffs in wellbore. If commingling denied well will be completed as Mesa Verde - Dakota Dual.

All zones to be completed will be fractured to stimulate production.

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG *</b>									
1. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> DRY <input type="checkbox"/> Other _____					5. LEASE DESIGNATION AND SERIAL NO. <b>NM-03381</b>				
2. 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. RESV. <input type="checkbox"/> Other <b>Dual Complete and Commingled</b>					6. IS INDIAN ALLOTTEE OR TRIBE NAME				
3. NAME OF OPERATOR <b>Caulkins Oil Company</b>					7. UNIT AGREEMENT NAME				
4. ADDRESS OF OPERATOR <b>P.O. Box 780, Farmington, New Mexico</b>					8. FARM OR LEASE NAME <b>Breech B</b>				
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface <b>1750 F E/L and 944 F N/L</b> At top prod. interval reported below <b>Same</b> At total depth <b>Same</b>					9. WELL NO. <b>220-R</b>				
10. FIELD AND POOL OR WILDCAT <b>South Blanco-PC</b>					11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA <b>Section 14 26 N 7W</b>				
14. PERMIT NO.					DATE ISSUED				
15. DATE SPUNDED <b>6-1-79</b>		16. DATE T.D. REACHED <b>6-18-79</b>		17. DATE COMPL. (Ready to prod.) <b>10-15-79</b>		18. ELEVATIONS (DF, RES, RT, GR, ETC.)* <b>6537 Gr.</b>		19. ELEV. CASINGHEAD <b>6537</b>	
20. TOTAL DEPTH, MD & TVD <b>7323</b>		21. PLUG, SACK T.D., MD & TVD <b>7323</b>		22. IF MULTIPLE COMPL., HOW MANY* <b>4</b>		23. INTERVALS DRILLED BY <b>0-7323</b>		ROTARY TOOLS CABLE TOOLS	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <b>2720 to 2804</b>								25. WAS DIRECTIONAL SURVEY MADE <b>No</b>	
26. TYPE ELECTRIC AND OTHER LOGS RUN <b>Ran Density and Induction Logs</b>								27. WAS WELL CORED <b>No</b>	
<b>28. CASING RECORD (Report all strings set in well)</b>									
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED				
10 3/4	32.75#	360	15 1/4	225 sacks	None				
7	23 & 26#	7323	8 3/4	1188 sacks	None				
<b>29. LINE RECORD</b>						<b>30. TUBING RECORD</b>			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)		
					2 3/8	5190	5283		
31. PERFORATION RECORD (Interval, size and number)					32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				
DEPTH	INTERVAL (MD)	SIZE	NUMBER	AMOUNT AND KIND OF MATERIAL USED					
2720	.32	1	2752	.32 1 2804 .32 1					
2728	.32	1	2779	.32 1					
2734	.32	1	2786	.32 1					
2740	.32	1	2794	.32 1					
2746	.32	1	2799	.32 1					
2720 to 2804				50,000# sand 1541 Bbls Water					
<b>33. PRODUCTION</b>									
DATE FIRST PRODUCTION <b>10-22-79</b>		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) <b>Flowing</b>					WELL STATUS (Producing or shut-in) <b>Shut In</b>		
DATE OF TEST <b>10-22-79</b>	HOURS TESTED <b>3 hrs</b>	CHOKE SIZE <b>3/4</b>	PROD'N. FOR TEST PERIOD →	OIL—BSL.	GAS—MCF. <b>125</b>	WATER—BSL.	GAS-OIL RATIO		
FLOW. TUBING PRESS. <b>59</b>	CASING PRESSURE <b>327</b>	CALCULATED 24-HOUR RATE →	OIL—BSL.	GAS—MCF. <b>1005</b>	WATER—BSL.	OIL GRAVITY-API (CORR.)			
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) <b>Vented</b>							TEST WITNESSED BY		

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

SIGNED *Charles DeGuzman* TITLE Superintendent DATE 10-23-79

\*(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 16:** 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.)

**ID 7323.** Ran 7<sup>th</sup> 23 & 26# K-55 ST & C to 7323'. Cemented as follows: 1st thru shoe with 395 sacks 50-50 Poz, 6% Gel, 12 1/2# Gilsontite per sack followed by 125 sacks Latex cement. 2nd Stage thru stage tool set at 5212' with 278 sacks 50-50 Poz, 6% Gel, and 12 1/2# Gilsontite per sack followed 100 sacks Neat. 3rd Stage thru stage tool set at 3770' with 290 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsontite per sack followed by 100 sacks Neat. Plug down on Final Stage 9:00 AM 6-19-79

**37. SUMMARY OF FORMER ZONES:**  
 SHOW ALL IMPORTANT ZONES OF FORMER AND CURRENT TUBEWELLS; CONDU INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CONDU OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTINUM, ETC.	GEOLOGIC MARKERS		
				NAME	TOP	
				NAME	NEAR DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2020	2190	Water Sand			
Pictured Cliffs	2708	2800	Gas Sand	Pictured Cliffs	2708	2708
Chacra	3608	3723	Gas Sand	Chacra	3608	3608
Point Lookout	5020	5155	Gas Sand	Point Lookout	5020	5020
Dakota	7050	7245	Gas Sand	Dakota	7050	7050
Hole Deviation	Test (Degree)					
260	1					
310	3/4					
1364	3/4					
1861	3/4					
2115	3/4					
2829	3/4					
3331	1					
3833	1					
4213	1					
4808	1					
5311	3/4					
5816	1					
6317	1					
6818	1					
6972	1 1/4					
7340	1					

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780, Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1750' F E/L and 944' F N/L  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

5. LEASE  
NM-03381

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breech B

9. WELL NO.  
220-R

10. FIELD OR WILDCAT NAME  
Basin Dakota

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
Section 14 26N 7W

12. COUNTY OR PARISH | 13. STATE  
Rio Arriba | New Mexico

14. API NO.

15. ELEVATIONS (SHOW DEPTH OF KDB AND WD)  
6537' GR.

REQUEST FOR APPROVAL TO:      SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF           

FRACTURE TREAT           

SHOOT OR ACIDIZE           

REPAIR WELL           

PULL OR ALTER CASING           

MULTIPLE COMPLETE           

CHANGE ZONES           

ABANDON\*           

(other)           

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spud at 12:00 AM 6-1-79.

Drilled 15 1/2" hole to 360'.

Cemented 10 3/4" New 32 75# H-40 casing at 360' with 225 sacks. Cement circulated to surface.

Plug down 12:00 PM 6-2-79.

Tested surface casing 6-3-79 with 600# for 30 minutes. No decrease in pressure.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles E. Dejean TITLE Superintendent DATE 6-6-79

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REGISTRATION	5
DISTRIBUTION	1
SALES	
FILE	
USUAL	
LAND OFFICE	
TRANSPORTER	
OPERATOR	
LABORATION OFFICE	
OPERATOR	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

GPJ 30-039-21998

Caulkins Oil Company

Address  
P.O. Box 780, Farmington, New Mexico

Reasons for filing (Check proper box)		Other (Please explain)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of: Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>	Commingled Pictured Cliffs, Chacra and Mesa Verde	
Recompletion <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>		
Change in Ownership <input type="checkbox"/>			

If change of ownership give name and address of previous owner \_\_\_\_\_

DESCRIPTION OF WELL AND LEASE

Lease Name Breach B	Well No. 220-R	Pool Name, including Formation South Blanco-PC, Blanco-MV	Kind of Lease State, Federal or Fee	Lease No. NM-03381
Location Unit Letter <u>B</u> ; <u>1750</u> Feet From The <u>East</u> Line and <u>944</u> Feet From The <u>North</u> Line of Section <u>14</u> Township <u>26 North</u> Range <u>7 West</u> , NMPM, Rio Arriba County				

DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Shell Pipeline	P.O. Box 940, Bloomfield, New Mexico
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Gas Company of New Mexico	1508 Pacific Ave., Dallas, Texas
If well produces oil or liquids, give location of tanks.	Unit : <u>C</u> Sec. : <u>9</u> Twp. : <u>26N</u> Rge. : <u>6W</u> Is gas actually connected? <u>No</u> when _____

If this production is commingled with that from any other lease or pool, give commingling order number: R-5926

COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 6-1-79	Date Compl. Ready to Prod. 10-15-79	Total Depth 7323	P.B.T.D. 7323					
Elevations (DF, RKB, RT, GR, etc.) 6537 Gr.	Name of Productive Formation Pictured Cliffs, Chacra	Top Oil/Gas Pay 2720	Tubing Depth 7230					
Perforations 2720 to 5162			Depth Casing Shoe 7323					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
15 1/4	10 3/4	360	225
8 3/4	7	7323	1188
	2 3/8	5190	

TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

Actual Prod. Test-MCF/D 1005	Length of Test 3 hrs.	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (prior, back pr.) Back Pressure	Tubing Pressure (shut-in) 579	Casing Pressure (shut-in) 519	Choke Size 3/4"

CERTIFICATE OF COMPLIANCE

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

Charles E. Desjardis  
(Signature)  
Superintendent  
(Title)  
10-23-79  
(Date)

OIL CONSERVATION DIVISION

APPROVED DEC 26 1979  
BY [Signature]  
SUPERVISOR DISTRICT

TITLE \_\_\_\_\_  
This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Form C-104 must be filed for each pool to multiply

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 28, 1979

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company  
OPERATOR

Breech B 220-R (B)14-26N-07W  
LEASE WELL UNIT S - T - R

South Blanco Pictured Cliffs Gas Company of New Mexico  
POOL NAME OF PURCHASER

WAS MADE ON 12-27-79 , FIRST DELIVERY 12-27-79  
DATE DATE

1356\*

INITIAL POTENTIAL

\*NOTE: Commingled with Blanco MV pool and Otero Chacra pool

2170 PC  
3270 Chacra  
4770 MV

Gas Company of New Mexico  
PURCHASER

J. R. Large  
REPRESENTATIVE  
James R. Large  
Dispatch Manager  
TITLE

/sw  
cc: OPERATOR  
New Mexico Oil Conservation Commission - Aztec  
U. S. Geological Survey  
Mr. E. R. Corliss, Engineering  
Mr. R. J. McCrary, Prorations  
Mr. Dan McFearin, Gas Accting.  
Mr. W. B. Richardson, Gas Measurement  
MS. Gill Atkins, Gas Supply  
Mr. Larry Skratlan, Supervision  
File

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

WELL NO. 220

Cumulative Production Thru 1974	502,782	MCF
1975	15,245	
1976	11,235	
1977	20,300	
1978	6,131	
1979	8,398	
1980	2,297	
Total	<u>566,488</u>	MCF

Monthly Production	1979	1980
January	1,659	628
Febuary	1,313	865
March	1,309	731
April	667	173
May	548	0
June	266	0
July	125	0
August	0	0
September	87	0
October	147	0
November	1,052	0
December	1,980	0

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780, Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 990' F/N and 990' F/E  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

5. LEASE  
NM-03381

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breech B

9. WELL NO.  
220

10. FIELD OR WILDCAT NAME  
South Blanco Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 14, 26N 7W

12. COUNTY OR PARISH  
Rio Arriba

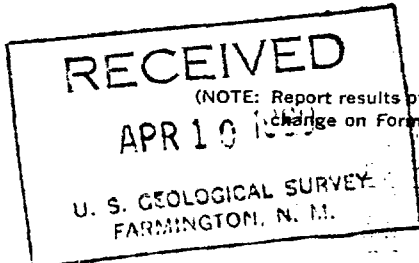
13. STATE  
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6537 DF

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input checked="" type="checkbox"/>
(other) <input type="checkbox"/>	



17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

4-2-80

Spotted cement Plug 2816' to 1500'.  
Spotted 9.0# Gel Based Mud 1500' to 200'.  
Perforated 4 1/2" casing at 200' and then circulated cement 200' to surface.  
Welded marker to top of 4 1/2" casing.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles E. Verpus TITLE Superintendent DATE 4-2-80 [Signature]

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**OPERATOR**

\*See Instructions on Reverse Side

RULES AND REGULATIONS NGPA SECTION 6

Rule #1

307-M located 1120' From South and 1520' From East of Section 13, 26N 7W, Rio Arriba County, New Mexico to replace 310 located 965' From South and 1125' From East of Section 13, 26N 7W.

Rule #2

Well history on attached Sundry Notice form.

Rule #4

Set for hearing for exemption.

Rule #5

Plat attached.

Rule #6

- (a) Cost of replacing 310 Pictured Cliffs in new well No. 307-M as allocated from total cost of new well \$28,076.11.
- (b) 310 casing failure also caused formation damage due to water migrating from Alamo Water Sands into Pictured Cliffs Sand.
- (d) Plugging information attached.

Rule #8

(307-M) Copy of Spudding Notice, Completion Report and C-104 ~~+~~ Copy of Gas Company of New Mexico Notice of 1st delivery of Gas.

BEFORE THE	
OIL CONSERVATION COMMISSION	
Santa Fe, New Mexico	
Case No. <u>8267</u>	Exhibit No. <u>13</u>
Submitted by <u>Caulkins</u>	
Hearing Date <u>9/12/84</u>	

# ILLEGIBLE

Form 9-431  
Dec. 1973

Form Approved  
Budget Bureau No. 42-11424

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

### SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back (a different reservoir. Use Form 9-431-C for such proposals.)

1.  oil well  gas well  other

2. NAME OF OPERATOR  
Caukins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 965' From South & 1125' From East  
ATEOP PROD. INTERVALS: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE  
REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:  TEST WATER SHUT-OFF  FRACTURE TREAT  SHOOT OR ACIDIZE  REPAIR WELL  PULL OR ALTER CASING  MULTIPLE COMPLETE  CHANGE ZONES  ABANDON (other)

RECEIVED  
JUN 2 1983  
U.S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

5. LEASE  
NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breche

9. WELL NO.  
310

10. FIELD OR WILDCAT NAME  
South Blanco Pictured Cliffs

11. SEC., T., R., MC OR BLK. AND SURVEY OR AREA  
Section 13 26 North 7 West

12. COUNTY OR PARISH 13. STATE  
Rio Arriba New Mexico

14. API NO.

15. ELEVATIONS (SHOW OF, KDB, AND WD)  
6155 DF

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well 24# J-55  
Spud 6:00 AM 10-16-58.  
8 5/8" 24# J-55 casing cemented 127' with 100 sacks.  
Cement circulated. Plug down 2:00 PM 10-16-58.  
Drilled 7 7/8" hole to TD 2475'. Cemented 5 1/2" 14# J-55 casing at 2460' with 200 sacks. Plug down 10-21-58. No temperature survey run. Calculated top 1395'.  
Completed ready to produce thru perforations 2356' to 2390' 10-21-58.

(Continued on attached sheet)  
Subsurface Safety Valves: Manu. and Type

18. I hereby certify that the foregoing is true and correct  
SIGNED: *Charles E. ...* TITLE: Superintendent DATE: 6-1-83

APPROVED BY: *[Signature]* TITLE: *[Blank]* DATE: *[Blank]*  
CONDITIONS OF APPROVAL IF ANY:  
*[Blank]*  
DISTRICT ENGINEER  
OPERATOR

\*See Instructions on Reverse Side

**Instructions**

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

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

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

11-6-58 Initial potential run. Rate of flow 1,541 MCFPD.  
 Casing failure detected March, 1965.  
 5-10-65 Set Bridge Plug in 5 1/2" casing at 2287'.  
 Ran Packers and found casing bad from 1160' to 1410'.  
 Ran cement retainer to 1103' and squeezed with 200 sacks.  
 Drilled out cement to 1360'. No cement below 1360'.  
 6-11-65 Ran cement retainer to 1073'. Squeezed with  
 200 sacks Class C Cement containing 2% CaCl and 6% Halad 9.  
 Initial Pressure 1100'.  
 6-12-65 Drilled out retainer and cement to 1360'.  
 Casing held 600# for 30 minutes.  
 6-15-65 Drilled out Bridge Plug at 2287' and cleaned  
 out to 2390'.  
 6-17-65 Ran 1 1/4" tubing to 2376'. Started unloading  
 well daily with gas.  
 6-18-65 thru 7-13-65 Unloaded well daily with gas.  
 Formation still loaded with water. 7-13-65 thru 10-20-65  
 Unloaded well and flowed intermittently to clean up.  
 10-25-65 Turned on to sales line.  
 12-27-80 Pulled 1 1/4" tubing. Ran 2 3/8" tubing with  
 packer set at 2200' to shut off leak in casing.  
 1-29-80 Ran 1" tubing to 2250'.  
 3-30-80 to 12-15-81 Attempted to flow well each month  
 to unload water. Formation logged off with water.  
 Annual production from 1958 thru 1982 tabulated below:  

1958	6,323	Annual Gas Production
1959	76,046	"
1960	51,822	"
1961	44,991	"
1962	38,115	"
1963	30,451	"
1964	26,418	"
1965	1,878	"
1966	7,754	"
1967	22,398	"
1968	27,341	"
1969	27,999	"
1970	23,237	"
1971	24,223	"
1972	26,485	"
1973	22,592	"
1974	20,071	"
1975	20,736	"
1976	21,928	"

Continued

		Annual Gas Production
1977	24,343	
1978	17,754	"
1979	18,576	"
1980	2,437	"
1981	167	"
1982	3,397	"

It is now proposed to Plug and Abandon Pictured Cliffs formation in this well and replace it in Well No. 307-M, to be drilled 1120' from South and 1520' from East of Section 13, 26 North, 6 West.

Formation Tops:

Ojo Alamo	1608'
Pictured Cliffs	2350'

We propose to pull tubing with Packer then run Bond Log from 2400' to surface to determine cement top and also cement top and bottoms of squeeze job done in 1965.

Cement Plugs will then be set over perforations 2356' to 2390' and up the hole to 2250'.

If cement covered Ojo Alamo 1608' to 1830' a 100' Plug will be set inside casing 1550' to 1650'. If it is not covered 5 1/2" casing will be perforated and then squeezed at the top of the Alamo.

A Cement Plug will be spotted 50' below previous leak area 1360' to 1100' (50' above top of bad casing.)

5 1/2" casing will be perforated at 127' and a 25 sack squeeze job done to tie in surface casing and production casing.

A Cement Plug will be spotted from 127' to surface.

A Monument will be permanently welded to top of 5 1/2" casing and engraved with required information.

Proposed starting date of plugging operations, August 1, 1983.



# CAULKINS OIL COMPANY

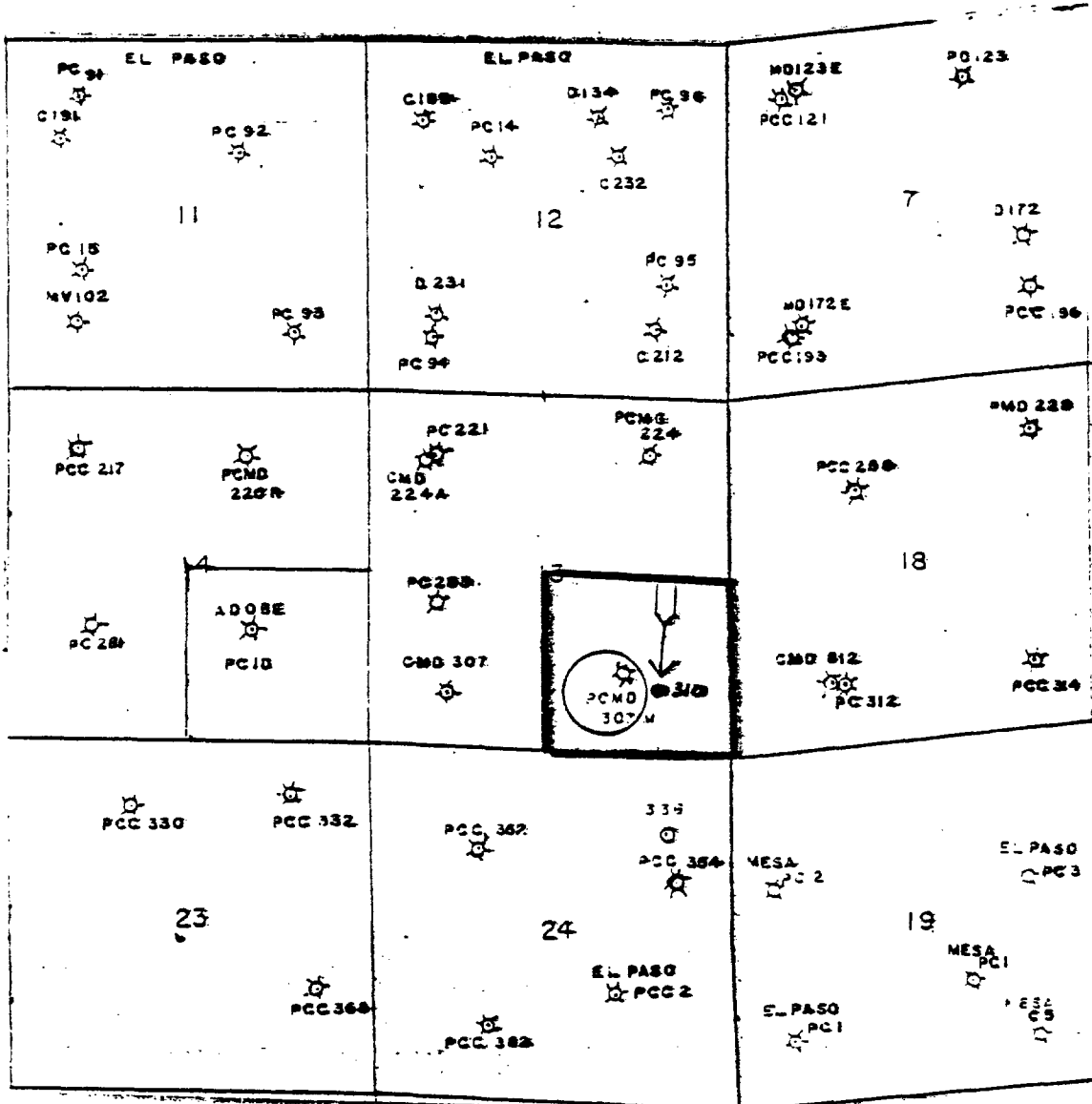
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: SE 1/4 of Section 13 26N 7W, Rio Arriba County, N.M.

Well No. 310 - Original well Pictured Cliffs Zone, marked with arrow

Well No. 307 M - Replacement well Pictured Cliffs Zone, marked with circle

All acreage on this plat, not otherwise identified, operated by Caulkins



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- G = Greenhorn Completion
- D = Dakota Completion

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below)  
AT SURFACE: 965' From South & 1125' From East  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA:

5. LEASE  
NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breech

9. WELL NO.  
310

10. FIELD OR WILDCAT NAME  
South Blanco Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 13, 26 North, 7 West

12. COUNTY OR PARISH | 13. STATE  
Rio Arriba | New Mexico

14. APP NO.

15. ELEVATIONS (SHOW OF, KDB, AND WD)  
6155 DF

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input checked="" type="checkbox"/>
(other)			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8-2-83 Ram Cement Bond Log.  
Found cement covering Alamo. Cement top 1200'.  
Perforated 2 holes in 5 1/2" Casing at 126'.  
Ran 2 3/8" Tubing to 2400'.  
Spotted cement 2400' to 2100'. (41 Cu.Ft.)  
Spotted 9# Gel Based Mud 2100' to 1900'.  
Spotted Cement Plug inside pipe 1900' to 1550'. (58 Cu.Ft.)  
Spotted 9# Gel Based Mud 1550' to 1200'.  
Spotted Cement Plug 1200' to 900'. (41 Cu.Ft.)  
Spotted 9# Gel Based Mud 900' to 126'.  
Circulated Cement surface to 126' (perforations) and back to surface thru Bradenhead. (Over)

Subsurface Safety Valve Marks and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles E. Vergara Title Superintendent DATE 8-17-83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

## Instructions

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

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

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

3-3-83

Built Monument.

A 4 1/2" X 10' Monument has been welded to top of Surface Casing then hole filled with gravel.

Monument is permanently inscribed with following information:

Caulkins Oil Company  
Well No. Breech 310  
Lease No. NM 03733  
SE 1/4 SE 1/4 Sec. 13 26N 7W  
Rio Arriba County, New Mexico

Surface will be cleaned, bar ditches built and reseeding done before September 1, 1983.

Sunray Notice will be filed when Location is ready for inspection.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1120' From South & 1520' From East  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

5. LEASE  
NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breech

9. WELL NO.  
307-M

10. FIELD OR WILDCAT NAME  
Blanco Mesa Verde Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 13, 26 North, 7 West

12. COUNTY OR PARISH | 13. STATE  
Rio Arriba | New Mexico

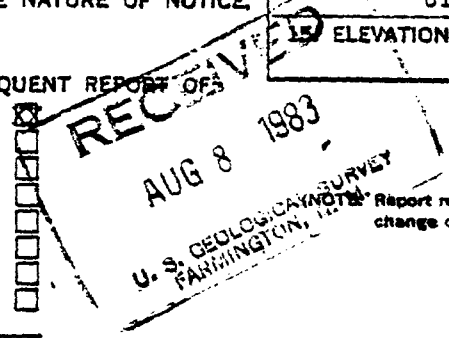
14. API NO.  
6146 GR

15. ELEVATIONS (SHOW DF, KDB, AND WD)

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

- REQUEST FOR APPROVAL TO:
- TEST WATER SHUT-OFF
  - FRACTURE TREAT
  - SHOOT OR ACIDIZE
  - REPAIR WELL
  - PULL OR ALTER CASING
  - MULTIPLE COMPLETE
  - CHANGE ZONES
  - ABANDON\*
  - (other)

SUBSEQUENT REPORT OF



\*Report results of multiple completion or zone change on Form 9-330.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spud at 5:00 PM 7-30-83

Drilled 12 1/4" hole to 615'.

Cemented New 9 5/8" 36# H-40 Casing to 610' with 500 sacks (590 Cu.Ft.) Neat Cement containing 2% CaCl per sack.

Cement circulated to surface.

Plug down 9:30 AM 7-31-83.

Tested surface casing with 1200#. Held OK.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles Cisneros TITLE Superintendent DATE 8-2-83

(This space for Federal or State office use)

**ACCEPTED FOR RECORD**

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

AUG 19 1983

\*See Instructions on Reverse Side

OPERATOR

FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO  
BY Gm h

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R358.6.

5. LEASE DESIGNATION AND SERIAL NO.

NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech

9. WELL NO.

307-M

10. FIELD AND POOL OR WELDCAT

South Blanco Pictured Cliffs

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

Section 13, 26 North, 7 West

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

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

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  FLUG BACK  DIFF. LEVEL  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1120' From South & 1520' From East: \_\_\_\_\_  
At top prod. interval reported below Same  
At total depth Same

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (Ready to prod.)*	18. ELEVATIONS (DP, REB, AZ, GR, ETC.)*	19. ELEV. CASINGHEAD
7-30-83	8-9-83	9-21-83	6146 GR	6888'

20. TOTAL DEPTH, MD & TVD	21. FLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL. HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
6888'	6888'	(4) Four	→	0-6888	No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
2281' to 2362' (Pictured Cliffs)

25. WAS DIRECTIONAL SURVEY MADE  
No

26. TYPE ELECTRIC AND OTHER LOGS RUN  
Gamma Ray Neutron Log

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
9 5/8"	36# H-40	616'	12 1/4"	500 sacks (590 Cu.Ft.)	None
5 1/2"	15.5 & 17#	6888'	7 7/8"	1400 sacks (2122 Cu.Ft.)	None

29. LINDER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/4"	3300'	3337'

31. PERFORATION RECORD (Interval, size and number)			32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
INTERVAL	SIZE	NUMBER	DEPTH-INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1-.42-2281	1-.42-2302	1-.42-2362	2281' to 2362'	750,000# 20-40 sand and 1451 bbls. Gel Fluid
1-.42-2286	1-.42-2321			
1-.42-2292	1-.42-2342			
1-.42-2295	1-.42-2346			
1-.42-2298	1-.42-2352			

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
9-28-83	Flowing	Shut-in					
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-28-83	3 Hours	3/4"	→		249		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY—API (CORR.)	
63	564	→		1,999			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
Gas to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.)

TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
Complete Cementing Records

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

**ACCEPTED FOR RECORD**

SIGNED Charles Durgan TITLE Superintendent DATE 9-29-83  
OCT 05 1983

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

**OPERATOR**

FARMINGTON RESOURCE AREA  
BY Sm

# 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 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, FLOWING AND SHUT-IN PRESSURES, AND SECURITIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH																										
Alamo	1510	1798	Water Sand	Alamo	1510	1510																										
Pictured Cliffs	2274	2372	Gas Sand	Pictured Cliffs	2274	2274																										
Chacra	3224	3326	Gas Sand	Chacra	3224	3224																										
Mesa Verde	4204	4765	Gas Sand	Mesa Verde	4204	4204																										
Dakota	6642	6830	Gas Sand	Dakota	6642	6642																										
<p>11ole Deviation Test</p> <table style="margin-left: auto; margin-right: auto;"> <tr> <td style="text-align: right;">Depth</td> <td style="text-align: left;">Degrees</td> </tr> <tr> <td>615</td> <td>2</td> </tr> <tr> <td>1104</td> <td>2 1/2</td> </tr> <tr> <td>1618</td> <td>2 3/4</td> </tr> <tr> <td>2427</td> <td>2 3/4</td> </tr> <tr> <td>2887</td> <td>2 1/2</td> </tr> <tr> <td>3295</td> <td>2</td> </tr> <tr> <td>3784</td> <td>2</td> </tr> <tr> <td>4290</td> <td>1 1/2</td> </tr> <tr> <td>4803</td> <td>2</td> </tr> <tr> <td>5228</td> <td>1 3/4</td> </tr> <tr> <td>5725</td> <td>1 3/4</td> </tr> <tr> <td>6231</td> <td>1 1/2</td> </tr> </table>				Depth	Degrees	615	2	1104	2 1/2	1618	2 3/4	2427	2 3/4	2887	2 1/2	3295	2	3784	2	4290	1 1/2	4803	2	5228	1 3/4	5725	1 3/4	6231	1 1/2			
Depth	Degrees																															
615	2																															
1104	2 1/2																															
1618	2 3/4																															
2427	2 3/4																															
2887	2 1/2																															
3295	2																															
3784	2																															
4290	1 1/2																															
4803	2																															
5228	1 3/4																															
5725	1 3/4																															
6231	1 1/2																															

38. GEOLOGIC MARKERS

307-M

Ran 5 1/2" Production Casing as follows:

6888' to 127'	(6541')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
127' to Surface	( 127')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 4812' and 3378'.

Cement Baskets run in Casing string at 4944' and 3393'.

Centralizers run on Casing string at following points:

6847', 6806', 6764', 6722', 6681', 6640', 6598', 6556', 6514', 6473', 6431', 6390', 6349', 6307', 4851', 4771', 4733', 4697', 4656', 3418', 3338', 3297', 2425', 2387', 2345' and 2305'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 6888' with 250 sacks (412.5 Cu.Ft.) 50-50 Poz, 6% Gal, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 10:45 PM 8-9-83.

Second Stage cemented thru Stage Tool set at 4812' with 150 sacks (247.5 Cu.Ft.) 50-50 Poz, 6% Gal, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat cement.  
Plug down 11:45 PM 8-9-83.

Third Stage cemented thru Stage Tool set at 3378' with 600 sacks (990 Cu.Ft.) 50-50 Poz, 6% Gal, 12 1/2# Gilsonite per sack followed by 200 sacks (236 Cu.Ft.) Neat Cement.  
Plug down 1:30 AM 8-10-83.

Circulated approx 5 bbl. slurry from both first and second stages.

Circulated no cement from third stage. Cement top 925' Temperature Survey attached.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE November 21, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company  
OPERATOR

Breech

307-M

(O)13-26N-07W

LEASE

WELL UNIT

S-T-R

\* South Blanco Pictured Cliffs

Gas Company of New Mexico

POOL

NAME OF PURCHASER

WAS MADE ON 11-16-83

, FIRST DELIVERY 11-16-83

DATE

DATE

744

INITIAL POTENTIAL

\*Downhole Commingled with Otero Chacra

Gas Company of New Mexico

PURCHASER

cc:

OPERATOR

New Mexico Oil Conservation Commission - Aztec

Minerals Management Service - Oil & Gas

Mr. E.R. Corliss, Engineering

Mr. R.J. McCrary, Gas Contracts Adm.

Prorations Dept., Albuquerque

Mr. Robert Utay, Gas Accounting

Mr. Joel Levine, Gas Supply

Chart Office, Kutz

Mr. Perry McFarland, Kutz

File

*James R. Large*

REPRESENTATIVE

J.R. Large

Dispatch Manager

TITLE



OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.M.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
REGISTRATION OFFICE	

Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reasons for filing (Check proper box) Other (Please explain)

New Well	<input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Condensate Gas	<input type="checkbox"/> Condensate <input type="checkbox"/>

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Breech	Well No. 307-M	Pool Name, Existing Formation South Blanco Pictured Cliffs -	Kind of Lease State, Federal or Fee Federal	Lease No. NM03733
Location Unit Letter <u>0</u> ; <u>1120</u> Feet From The <u>South</u> Line and <u>1520</u> Feet From The <u>East</u>				
Line of Section 13	Township 26 North	Range 7 West	N.M.P.M. Rio Arriba	County

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Giant Refinery Company	P.O. Box 256 Farmington, New Mexico
Name of Authorized Transporter of Condensate Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Gas Company of New Mexico	1508 Pacific Ave. Dallas, Texas
If well produces oil or liquids, give location of tanks.	Unit <u>0</u> Sec. <u>13</u> Twp. <u>26N</u> Rgn. <u>7W</u> Is gas actually collected? <u>No</u> When

If this production is commingled with that from any other lease or pool, give commingling order number: R-5648

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well <input type="checkbox"/>	Gas Well <input checked="" type="checkbox"/>	New Well <input checked="" type="checkbox"/>	Workover <input type="checkbox"/>	Deepen <input type="checkbox"/>	Plug Bear <input type="checkbox"/>	Some Reserv. <input type="checkbox"/>	Diff. Reserv. <input type="checkbox"/>
Date Spudded 7-30-83	Date Compl. Ready to Prod. 9-21-83	Total Depth 6888'	P.B.T.D. 6888'					
Elevation (DF, RKB, RT, GR, etc.) 6164 GR	Name of Producing Formation Pictured Cliffs Chacra	Top Oil/Gas Pay 2281'	Tubing Depth 3300'					
Perforations 3231' to 3323' (Chacra)	2281' to 2362' (Pictured Cliffs)	Depth Casing Shoe 3300'						

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	9 5/8"	615'	500 sacks (590 Cu.Ft.)
7 7/8"	5 1/2"	6888'	1400 sacks (2122 Cu.Ft.)
	1 1/4"	3300'	

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Tests must be after recovery of some volume of liquid oil and must be equal to or exceed the allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)
		<b>PROFIVE</b>
Length of Test	Tubing Pressure	Casing Pressure
		<b>IN</b> Casing Size
Actual Prod. During Test	Oil-able	Water-able
		Gas-MCF

GAS WELL

Actual Prod. Test - MCF/D HL 144 1,062 Chacra 314	Length of Test 3 Hours	Shim, Condensate/MCF	Gravity of Condensate
Testing Method (pact, base pt.) Back Pressure	Tubing Pressure (Shim-LB) 661	Casing Pressure (Shim-LB) 642	Casing Size 3/4"

CERTIFICATE OF COMPLIANCE

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

OIL CONSERVATION DIVISION  
APPROVED OCT 11 1983  
BY Frank J. [Signature]  
TITLE SUPERVISOR DISTRICT # 3

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

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

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

Separate Forms C-104 must be filed for each pool or multiply completed wells.

[Signature]  
Superintendent  
9-29-83  
(Date)

Exhibits 1 through 13  
Complete Set

---

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

2. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

3. NAME OF OPERATOR  
 Caulkins Oil Company

4. ADDRESS OF OPERATOR  
 P.O. Box 780 Farmington, New Mexico 87401

5. LOCATION OF WELL (Report location clearly and in accordance with any State regulations.)  
 At surface: 1850 From North and 1800 From West  
 At proposed prod. zone: Same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*  
 40 Miles Southeast of Blanco, New Mexico

7. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)  
 790'

8. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 150'

9. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6675 GR

10. GENERAL REQUIREMENTS\*  
 PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4"	9 5/8"	32.30	400'	354 CuFt.
7 7/8"	5 1/2"	15.5 & 17#	7425'	2050 CuFt.

11. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 150'

12. DISTANCE FROM PROPOSED\* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)  
 790'

13. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 150'

14. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6675 GR

15. GENERAL REQUIREMENTS\*  
 PROPOSED CASING AND CEMENTING PROGRAM

16. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 150'

17. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)  
 790'

18. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 150'

19. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6675 GR

20. GENERAL REQUIREMENTS\*  
 PROPOSED CASING AND CEMENTING PROGRAM

21. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 150'

22. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)  
 790'

23. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 150'

24. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6675 GR

25. GENERAL REQUIREMENTS\*  
 PROPOSED CASING AND CEMENTING PROGRAM

26. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 150'

27. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)  
 790'

28. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 150'

29. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6675 GR

30. GENERAL REQUIREMENTS\*  
 PROPOSED CASING AND CEMENTING PROGRAM

31. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 150'

32. DISTANCE FROM PROPOSED LOCATION\* TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)  
 790'

3. LEASE DESIGNATION AND SERIAL NO.  
 NM 03553

4. IF INDIAN, ALLOTTEE OR TRIBE NAME

5. UNIT AGREEMENT NAME

6. NAME OF LEASE NAME  
 Breach D

7. WELL NO.  
 341-M

8. FIELD AND POOL OR WILDCAT  
 Blanco Mesa Verde-Basin Dak

9. SEC. T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 21 26 North 6 West

10. COUNTY OR PARISH  
 Rio Arriba

11. STATE  
 New Mexico

RECEIVED  
 MAY 18 1983  
 U.S. GEOLOGICAL SURVEY  
 FARMINGTON, N. M.

DRILLING OPERATIONS AUTHORIZED ARE  
 SUBJECT TO COMPLIANCE WITH ATTACHED

July 10, 1983  
 This action is subject to administrative  
 appeal pursuant to 30 CFR 290.

Surface formation San Jose. No abnormal pressure or temperature anticipated

It is proposed to drill new hole, surface to 7425' using 9.0 Gel based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recorded on daily report.

New 9 5/8" 32.30# H-40 (new) surface casing will be set at approx. 400' and cemented with sufficient cement to circulate to surface.

(IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.)

SIGNED Charles DeGruen TITLE Superintendent DATE 5-16-83

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
 AS AMENDED  
 DATE JUN 1 1983  
 JAMES F. SIMS  
 DISTRICT ENGINEER

OPERATOR

**Instructions**

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plat, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 16: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

New 1/2" 15.5 & 17# K-55 5mls casing (new) will be cemented top to bottom with sufficient cement to circulate. Casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Pictured Cliffs Sands.

Centralizers will be run on casing thru Mesa Verde and Dakota Zones.

Well will be completed in Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Packer will be set between Mesa Verde and Dakota Zone.

New 2 1/16" IJ Tubing will be run thru packer to Dakota Zone.

New 2 1/16" IJ Tubing will be run to Mesa Verde Zone for Mesa Verde production.

Gas produced from this well contracted to Gas Company of New Mexico.

**Estimated Formation Tops:**

Alamo	2280'
Pictured Cliffs	2930'
Chacra	3842'
Cliff House	4550'
Point Lookout	5300'
Gallup	6550'
Greenhorn	7100'
Dakota	7180'

U.S. DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
OFFICE OF OIL AND GAS

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

Case No. **8257** EXHIBIT NO. **1**

Submitted by **Conifers**

Hearing Date **9/12/84**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R3555.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

5. LEASE DESIGNATION AND SERIAL NO.

NM 03553

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech "D"

9. WELL NO.

341-M

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Section 21 26 North 6 West

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR

Caulkins Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 780 Farmington, New Mexico

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

At surface 1850' From North & 1800 From West

At top prod. interval reported below

Same

At total depth Same

14. PERMIT NO. DATE ISSUED

RECEIVED  
SEP 12 1983

15. DATE SPUNDED 16. DATE T.D. REACHED 17. DATE COMPL. (Ready to prod.) 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 19. ELEV. CASINGHEAD

6-26-83

7-8-83

8-23-83

6675 GR

6675

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

7440'

7440'

(2) Two

0-7440

No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 25. WAS DIRECTIONAL SURVEY MADE

7242' to 7411' Dakota

No

26. TYPE ELECTRIC AND OTHER LOGS RUN 27. WAS WELL CORED

ES Gamma Ray Log

No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36# H-40	410'	12 1/4"	300 sacks (354 Cu.Ft.)	None
5 1/2"	15.5 & 17#	7440'	7 5/8"	1300 sacks (2004 Cu.Ft.)	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	7330'	5402'

31. PERFORATION RECORD (Interval, size and number) 32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

1-.42-7411 1-.42-7354 1-.42-7242  
1-.42-7409 1-.42-7350  
1-.42-7406 1-.42-7344  
1-.42-7386 1-.42-7260  
1-.42-7358 1-.42-7250

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7411 - 7242	100,000# 20-40 sand and 2862 bbls. Cross Link Fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION 8-30-83 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut in

DATE OF TEST 8-30-83 HOURS TESTED 3 Hours CHOKED SIZE 3/4" PROD'N. FOR TEST PERIOD OIL—BBL. GAS—MCF. WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. 101 CASING PRESSURE PKR CALCULATED 24-HOUR RATE OIL—BBL. GAS—MCF. WATER—BBL. OIL GRAVITY-API (CORR.) 1,600

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

Gas is to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.)

35. LIST OF ATTACHMENTS

Complete cementing Records

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

SIGNED Charles Verquer TITLE Superintendent DATE 8-22-83

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

FARMINGTON, NEW MEXICO

OPERATOR

BY Smh

# 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 38. 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.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Alamo	2230	2458	Water Sand	Alamo	2230	2230
Pictured Cliffs	2990	3050	Gas Sand	Pictured Cliffs	2990	2990
Mesa Verde	4617	5368	Gas Sand	Mesa Verde	4617	4617
Dakota	7235	7418	Gas Sand	Dakota	7235	7235
Hole Deviation Test						
	Depth		Degrees			
	418		1/2			
	920		1/2			
	1434		1/2			
	1964		1/2			
	2529		1/2			
	3021		3/4			
	3513		1			
	4000		1/2			
	4515		3/4			
	5026		3/4			
	5512		1			
	6012		1			
	6515		1			
	7027		1 1/4			

**38. GEOLOGIC MARKERS**

Ran 5 1/2" Production Casing as follows:

7440' to 5445'	(1995')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
5445' to 3370'	(2075')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
3370' to 1000'	(2370')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
1000' to Surface	(1000')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 5445' and 3370'.

Cement Baskets run in Casing string at 5571' and 3498'.

24 Centralizers run on Casing string at following points:

7403', 7366', 7329', 7293', 7258', 7221', 7186', 7151', 7115', 7077', 7043', 7005', 6968', 6927', 5528', 5402', 5361', 5318', 5278', 5237', 5195', 5156', 3457' and 3327'.

Cemented 5 1/2" Casing in three stages.

First Stage thru shoe at 7440' with 250 sacks (412.50 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 6:15 PM 7-9-83.

Second Stage cemented thru Stage Tool set at 5445' with 250 sacks (412.50 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 7:30 PM 7-9-83

Third Stage cemented thru Stage Tool set at 3370' with 500 sacks (825 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 9:30 PM 7-9-83.

Cemented circulated on all three stages.

Approx 5 bbls. slurry on first stage.  
Approx 2 bbls. slurry on second stage.  
Approx 20 bbls. slurry on third stage.

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.L.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
OPERATION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator Caulkins Oil Company

Address P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box)  New Well  Recompletion  Change in Ownership

Change in Transporter of: Oil  Condensate Gas  Dry Gas  Condensate

Other (Please explain) \_\_\_\_\_

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Breach "D"</u>	Well No. <u>341-M</u>	Pool Name, including Formation <u>Basin Dakota</u>	Kind of Lease <u>State, Federal or Fee Federal</u>	Lease No. <u>NM 03553</u>
Location Unit Letter <u>F</u> : <u>1850</u> Feet From The <u>North</u> Line and <u>1800</u> Feet From The <u>West</u>				
Line of Section <u>21</u> Township <u>26 North</u> Range <u>6 West</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> <u>Giant Refinery Company</u>	Address (Give address to which approved copy of this form is to be sent) <u>P.O. Box 256 Farmington, New Mexico</u>
Name of Authorized Transporter of Condensate Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <u>Gas Company of New Mexico</u>	Address (Give address to which approved copy of this form is to be sent) <u>1508 Pacific Ave. Dallas, Texas</u>
If well produces oil or liquids, give location of tanks.	Unit <u>F</u> Sec. <u>21</u> Twp. <u>26N</u> Rge. <u>6W</u> Is gas actually connected? <u>No</u> When _____

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Res'v.	Diff. Res'v.
		X	X					
Date Spudded <u>6-26-83</u>	Date Compl. Ready to Prod. <u>8-23-83</u>	Total Depth <u>7440'</u>	P.B.T.D. <u>7440'</u>					
Elevations (DF, RKB, RT, GR, etc.) <u>6675 GR</u>	Name of Producing Formation <u>Dakota</u>	Top Oil/Gas Pay <u>7242'</u>	Tubing Depth <u>7330'</u>					
Perforations <u>7411' to 7242' Dakota</u>							Depth Casing Shoe <u>7440'</u>	
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<u>12 1/4"</u>	<u>9 5/8"</u>		<u>410'</u>		<u>300 Sacks(354 Cu.Ft.)</u>			
<u>9 5/8"</u>	<u>5 1/2"</u>		<u>7440'</u>		<u>1300 Sacks(2004 Cu.Ft.)</u>			
	<u>1 1/2"</u>		<u>7330'</u>					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
		<b>RECEIVED</b>	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D <u>1,600</u>	Length of Test <u>3 Hours</u>	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.) <u>Back Pressure</u>	Tubing Pressure (Shut-in) <u>1383</u>	Casing Pressure (Shut-in) <u>PKR</u>	Choke Size <u>3/4"</u>

CERTIFICATE OF COMPLIANCE

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

Charles E. Vargas  
(Signature)

Superintendent  
(Title)

8-22-83  
(Date)

OIL CONSERVATION DIVISION

APPROVED \_\_\_\_\_, 1983

BY \_\_\_\_\_

TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of our well name or number, or transporter, or other such change of completion.  
Separate Forms C-104 must be filed for each pool in recompleted wells.



OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 6, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company

OPERATOR

Breech D

341-M

(F) 21-26N-06W

LEASE

WELL UNIT

S - T - R

Basin Dakota

Gas Company of New Mexico

POOL

NAME OF PURCHASER

WAS MADE ON 12-2-83

, FIRST DELIVERY 12-2-83

DATE

DATE

1600

INITIAL POTENTIAL

Gas Company of New Mexico

PURCHASER

J.R. Large

REPRESENTATIVE

J.R. Large

Dispatch Manager

TITLE

/kn

cc: OPERATOR

New Mexico Oil Conservation Commission - Aztec

Minerals Management Service - Oil & Gas

Mr. E.R. Corliss, Engineering

Mr. R.J. McCrary, Gas Contracts Adm.

Prorations Dept., Albuquerque

Mr. Robert Utay, Gas Accounting

Mr. Joel Levine, Gas Supply

FORM 28-43 11-76

Chart Office, Kutz

Mr. Perry McFarland, Kutz

File

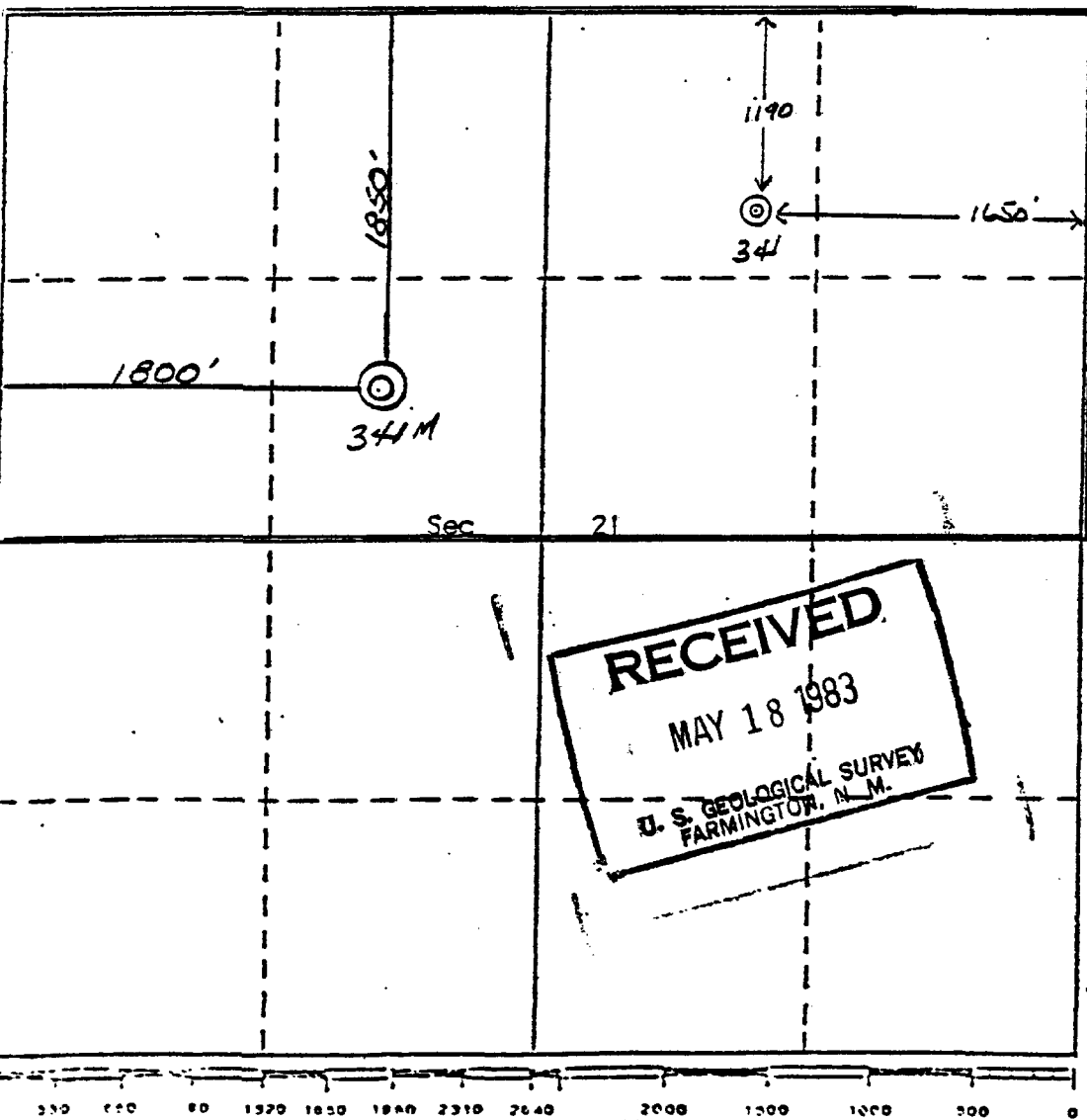
All distances must be from the outer boundaries of the section.

Operator <b>CAULKINS OIL COMPANY</b>			Lease <b>Breech "D"</b>		Well No. <b>341-M</b>
Unit Letter <b>F</b>	Section <b>21</b>	Township <b>26N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>	
Actual Postage Location of Wells 1850 feet from the North line and 1800 feet from the West line					
Ground Level Elev. <b>5675</b>	Producing Formation <b>Mesa Verde Dakota</b>		Pool <b>Blanco Mesa Verde-Basin Dakota</b>	Dedicated Acreage <b>320</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  
 Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



**CERTIFICATION**

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

*Charles E. Verquer*  
Name  
**Charles E. Verquer**

Position  
**Superintendent**

Company  
**Caulkins Oil Company**

Date  
**5-16-83**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
*5/16/83*

*Charles E. Verquer*  
Registered Professional Engineer and/or Land Surveyor

5980  
Certificate No.

**CURTIS & STICKING**  
LAND SURVEYOR

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

## DAKOTA

341 341-M Infil

Month	341		341-M	
	Production	Days On	Production	Days On
12-2-83	6,846	27	4,742	23
1-84	7,689	28	5,644	24
2-84	5,985	31	5,073	27
3-84	2,723	29	4,037	28
4-84	4,065	31	5,292	31
5-84	2,602	30	3,352	24
<hr/>				
Total	29,910	176	28,140	157

# CAULKINS OIL COMPANY

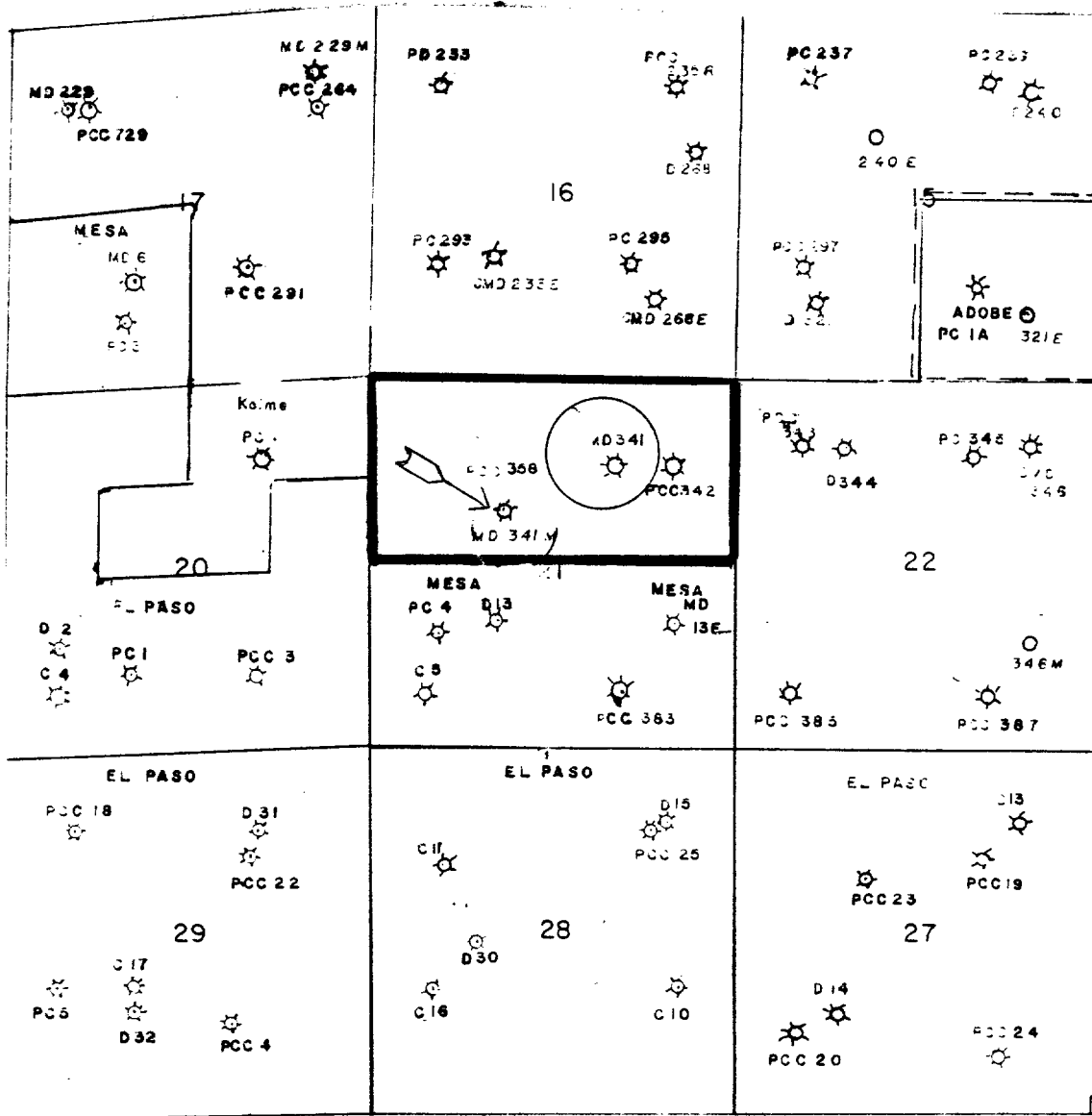
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 21 26N 6W, Rio Arriba County, N.M.

Well No. 341 - Original well Dakota Zone, marked with circle.

Well No. 341-M - Infil well Dakota Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion

CAULKINS WELLS

<u>WELL</u>	<u>POOL</u>
Breech A 224A	Mesaverde
Breech A 182A	Mesaverde
Breech A 132E	Basin Dakota
Breech A 136E	Basin Dakota
Breech A 175E	Basin Dakota
Breech C 389E	Basin Dakota
Breech A 682E	Basin Dakota
Breech A 123E	Basin Dakota
Breech B 172E	Basin Dakota
Breech C 323E	Basin Dakota
Breech D 685E	Basin Dakota
Breech E 54E	Basin Dakota
Breech E 68E	Basin Dakota
State A Comm 113E	Basin Dakota
State A 268 E	Basin Dakota
State B Comm 233E	Basin Dakota
Breech C 248M	Mesaverde & Dakota
Breech C 689M	Mesaverde & Dakota
Breech E 64M	Mesaverde & Dakota
Breech E 583M	Mesaverde & Dakota
Breech F 4M	Mesaverde & Dakota
Breech F 11M	Mesaverde & Dakota
Breech A 204M	Mesaverde & Dakota

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

Case No. 8267 Exhibit No. 1A  
Submitted by Caulkins  
Hearing Date 9/12/84

CAULKINS WELLS

Infill:

Breech A 229M  
Breech 307M  
Breech D 140M  
Breech D 341M  
State A 62M

*Basin Dakota + Blanco  
Mesaverde*

Replacement:

Breech 307M  
Breech B 220-R  
State C. Com. 235-R

Interstate:

Breech F 1E - withdraw

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

Case No. 8267 Exhibit No. 1B

Submitted by Caulkins

Hearing Date 9/12/84

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK   
 b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Caulkins Oil Company

3. ADDRESS OF OPERATOR  
 P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface 1120' From South & 1520' From East  
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 27 miles Southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)  
 1650'

18. NO. OF ACRES IN LEASE  
 2400

19. PROPOSED DEPTH  
 6850'

21. ELEVATIONS (Show whether DF, ET, GR, etc.)  
 6146 GR.

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Breech

9. WELL NO.  
 307 M

10. FIELD AND POOL OR WILDCAT  
 S. Blanco PC-Otero Chacra  
 Blanco MV-Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
 Sec. 13 26N 7W

12. COUNTY OR PARISH  
 Rio Arriba

13. STATE  
 New Mexico

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

20. ROTARY OR CABLE TOOLS  
 Rotary

22. APPROX. DATE WORK WILL START  
 July 4, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30#	300'	250 Sacks
7 7/8"	5 1/2"	15.5 & 17#	6850'	1300 Sacks

Surface formation San Jose. No abnormal pressure or tamerate anticipated.

It is proposed to drill new hole, surface to 6850' using 9.0 Gel based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recorded on daily drilling report.

New 9 5/8" 32.30# surface casing will be set approx. 300' and cemented with sufficient cement to circulate to surface.

(over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Charles W. [Signature] TITLE Superintendent DATE 12-6-82

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
 DRILLING OPERATIONS AUTHORIZED ARE  
 SUBJECT TO COMPLIANCE WITH ATTACHED  
 "GENERAL REQUIREMENTS"

This action is subject to administrative  
 appeal pursuant to 30 CFR 290.

OPERATOR

AE [Signature]  
 DATE  
 JAN 2 1983  
 JAMES F. SIMS  
 DISTRICT ENGINEER

## Instructions

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 16: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE: 1947-O-711-988

New 5 1/2" 15.5 & 17# casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Chacra Sands.

Centralizers will be run on casing thru Pictured Cliffs Chacra, Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Subject to approval by Minerals Management Service and New Mexico Oil Conservation Division. Well will be dual completed with Mesa Verde-Dakota commingled zone below packer and commingled Pictured Cliffs-Chacra above packer.

New 2 1/16" IJ Tubing will be run for Pictured Cliffs-Chacra commingled zone.

New 2 1/16" IJ tubing will be run for Mesa Verde-Dakota commingled zone.

Gas produced from this well contracted to Gas Company of New Mexico.

### Estimated Formation Tops:

Alamo	1573'
Pictured Cliffs	2326'
Chacra	3213'
Cliff House	3993'
Point Lookout	4612'
Gallup	5910'
Greenhorn	6537'
Graneros	6631'
Dakota	6733'

BEFORE THE  
OIL CONSERVATION COMMISSION  
Santa Fe, New Mexico

Case No. 8267 Exhibit No. 2

Submitted by Caulkins

Hearing Date 9/12/44



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.

5. LEASE DESIGNATION AND SERIAL NO.

NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech

9. WELL NO.

307-M

10. FIELD AND POOL, OR WILDCAT

Basin Dakota

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

Section 13, 26 North, 7 West

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. DESVL.  Other \_\_\_\_\_

2. NAME OF OPERATOR

Caulkins Oil Company

3. ADDRESS OF OPERATOR

P.O. Box 780 Farmington, New Mexico

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

At surface 120' From South & 1520' From East

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED

7-30-83

16. DATE T.D. REACHED

8-9-83

17. DATE COMPL. (Ready to prod.)

9-21-83

18. ELEVATIONS (DF, REF. ST, GR, ETC.)\*

6146 GR

19. ELEV. CASINGHEAD

6888'

20. TOTAL DEPTH, MD & TVD

6888'

21. PLUG, BACK T.D., MD & TVD

6888'

22. IF MULTIPLE COMPL., HOW MANY\*

(4) Four

23. INTERVALS DRILLED BY

0-6888

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

6652' to 6818' (Dakota)

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray Neutron Log

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
9 5/8"	36# H-40	610'	12 1/4"	500 sacks (590 Cu.Ft.)	None
5 1/2"	15.5 & 17#	6888'	7 7/8"	1400 sacks (2122 Cu.Ft.)	None

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"	6682'	3337'

31. PERFORATION RECORD (Interval, size and number)

1-.42-6652 1-.42-6752 1-.42-6818  
1-.42-6662 1-.42-6774  
1-.42-6674 1-.42-6790  
1-.42-6738 1-.42-6796  
1-.42-6744 1-.42-6806

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6652' to 6818'	162,000# 20-40 sand and 2752 bbls. Cross Link Fluid

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
9-28-83	Flowing	Shut-in					
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
9-28-83	3 Hours	3/4"			287		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
137	PKR			2309			

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

Gas to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

Complete Cementing Records

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

SIGNED Charles Vergara TITLE Superintendent

DATE 9-29-83

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

ACCEPTED FOR RECORD

OCT 05 1983

OPERATOR

FARMINGTON RESOURCE AREA

BY SM

# 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 FORMER ZONES:**

SHOW ALL IMPORTANT ZONES OF FORMER AND CURRENT ZONES; CURED 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.
Alamo	1510	1798	Water Sand
Pictured Cliffs	2274	2372	Gas Sand
Chacra	3224	3326	Gas Sand
Mesa Verde	4204	4765	Gas Sand
Dakota	6642	6830	Gas Sand

Depth	Hole Deviation Test
615	Degrees
1104	2 1/2
1618	2 3/4
2427	2 3/4
2887	2 1/2
3295	2
3784	2
4290	1 1/2
4803	2
5228	1 3/4
5725	1 3/4
6231	1 A/2

**38. GEOLOGIC MARKERS**

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Alamo	1510	1510
Pictured Cliffs	2274	2274
Chacra	3224	3224
Mesa Verde	4204	4204
Dakota	6642	6642

307-M

Ran 5 1/2" Production Casing as follows:

6888' to 127'	(6541')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
127' to Surface	( 127')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 4812' and 3378'.

Cement Baskets run in Casing string at 4944' and 3393'.

Centralizers run on Casing string at following points:

6847', 6806', 6764', 6722', 6681', 6640', 6598', 6556', 6514', 6473', 6431', 6390', 6349', 6307', 4851', 4771', 4733', 4697', 4656', 3418', 3338', 3297', 2425', 2387', 2345' and 2305'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 6888' with 250 sacks (412.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 10:45 PM 8-9-83.

Second Stage cemented thru Stage Tool set at 4812' with 150 sacks (247.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat cement.  
Plug down 11:45 PM 8-9-83.

Third Stage cemented thru Stage Tool set at 3378' with 600 sacks (990 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 200 sacks (236 Cu.Ft.) Neat Cement.  
Plug down 1:30 AM 8-10-83.

Circulated approx 5 bbl. slurry from both first and second stages.  
Circulated no cement from third stage. Cement top 925' Temperature Survey attached.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

NO. OF COPIES RECEIVED	
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U.S.G.L.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well  Change in Transporter of: Oil  Dry Gas

Recompletion  Contingent Gas  Condensate

Change in Ownership

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name Breech	Well No. 307-M	Pool Name, including Formation Basin Dakota-Blanco Mesa Verde	Kind of Lease State, Federal or Fee Federal	Lease No. NMO3733
Location Unit Letter <u>0</u> ; <u>1120</u> Feet From The <u>South</u> Line and <u>1520</u> Feet From The <u>East</u>				
Line of Section <u>13</u> Township <u>26 North</u> Range <u>7 West</u> N.M.P.M. Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Giant Refinery Company	P.O. Box 256 Farmington, New Mexico
Name of Authorized Transporter of Contingent Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Gas Company of New Mexico	1508 Pacific Ave. Dallas, Texas
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas currently connected? When
0 13 26N 7W	No

If this production is commingled with that from any other lease or pool, give commingling order number \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v
		X	X					
Date Spudded 7-30-83	Date Compl. Ready to Prod. 9-21-83	Total Depth 6888'	P.S.T.D. 6888'					
Elevations (DF, RKB, RT, GR, etc.) 6164 GR	Name of Producing Formation Mesa Verde-Dakota	Top Oil/Gas Pay 4534'	Tubing Depth 6682'					
Perforations 4534' to 4756' (Mesa Verde) 6652' to 6818' (Dakota)						Depth Casing Shoe 6682'		
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12 1/4"	9 5/8"	615'	500 sacks (590 Cu. Ft.)					
7 7/8"	5 1/2"	6888'	1400 sacks (2122 Cu. Ft.)					
	1 1/4"	6682'						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of lost oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

Date First New Oil Flow To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)
		NEGATIVE
Length of Test	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.

GAS WELL

Actual Prod. Test - MCF/D 2,110	Length of Test 3 Hours	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.) Back Pressure	Tubing Pressure (Shut-in) 1415	Casing Pressure (Shut-in) PKR	Casing Size 3/4"

CERTIFICATE OF COMPLIANCE

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

Charles W. ...  
(Signature)  
Superintendent  
(Title)  
9-29-83  
(Date)

OIL CONSERVATION DIVISION

APPROVED \_\_\_\_\_, 1983  
BY John W. ...  
TITLE Superintendent

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

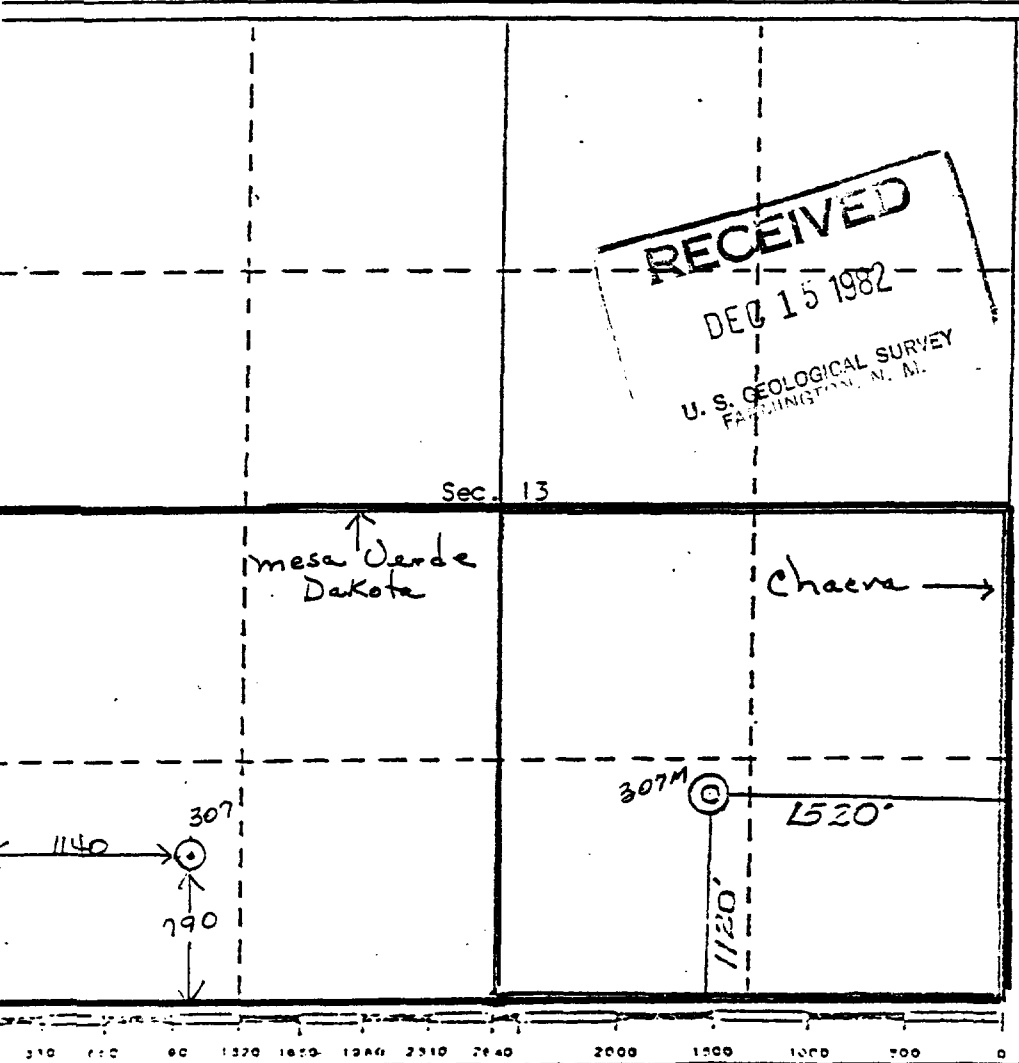
All distances must be from the outer boundaries of the Section

Operator <b>CAULKINS OIL COMPANY</b>		Lease <b>Breech</b>		Well No. <b>397-M</b>
Unit Letter <b>C</b>	Section <b>13</b>	Township <b>26 NORTH</b>	Range <b>7 WEST</b>	County <b>RIO ARRIBA</b>
Actual Postage Location of Well:				
<b>1120</b>	feet from the <b>SOUTH</b>	line and	<b>1520</b>	feet from the <b>EAST</b>
Ground Level Elev. <b>6146.0</b>	Producing Formation <b>PC-Chacra-Mesa Verde-Dakota</b>	Pool <b>South Blanco PC-Otero Chacra</b>	Dedicated Acreage <b>160 PC &amp; Chacra</b> <b>820 MV &amp; Dakota</b> Acres	

- Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?  
 Yes    No   If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Divisor



**CERTIFICATION**

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

*Charles Verquer*  
Name  
**Charles Verquer**  
Position  
**Superintendent**  
Company  
**Caulkins Oil Company**  
Date  
**12-13-82**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**21 October 1982**  
Date Surveyed  
**NEW MEXICO**  
Registered Professional Engineer  
and/or Land Surveyor  
**Curtis C. Stucking**  
Certificate No.  
**5980**

OIL CONSERVATION COMMISSION  
1000 Rio Brazos Road  
AZTEC, NEW MEXICO 87410

TYPE OF GAS CONNECTION

DATE November 21, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company OPERATOR 307-M WELL UNIT (O)13-26N-07W

Breach LEASE Gas Company of New Mexico NAME OF PURCHASER S-T-R

\*Basin Dakota POOL 11-16-83 FIRST DELIVERY DATE

WAS MADE ON 11-16-83 DATE

2309 INITIAL POTENTIAL

\*Downhole Commingled with Blanco MV

Gas Company of New Mexico  
PURCHASER

James R. Large  
REPRESENTATIVE  
J.R. Large  
Dispatch Manager  
TITLE

- cc: OPERATOR -  
New Mexico Oil Conservation Commission - Aztec  
Minerals Management Service - Oil & Gas  
Mr. E.R. Corliss, Engineering  
Mr. R.J. McCrary, Gas Contracts Adm.  
Prorations Dept., Albuquerque  
Mr. Robert Utay, Gas Accounting  
Mr. Joel Levine, Gas Supply  
Chart Office, Kutz  
Mr. Perry McFarland, Kutz  
File

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

## DAKOTA

307 307-M Infil

307

307-M

Month	Production	Days On	Production	Days On
11-16-83	3,866	31	Shut-in	
12-84	3,288	28	5,536	28
1-84	3,311	29	15,137	24
2-84	2,572	31	12,867	27
3-84	2,214	29	12,998	28
4-84	2,558	31	11,442	31
5-84	1,974	30	8,125	23
Total	19,783	209	66,105	161

# CAULKINS OIL COMPANY

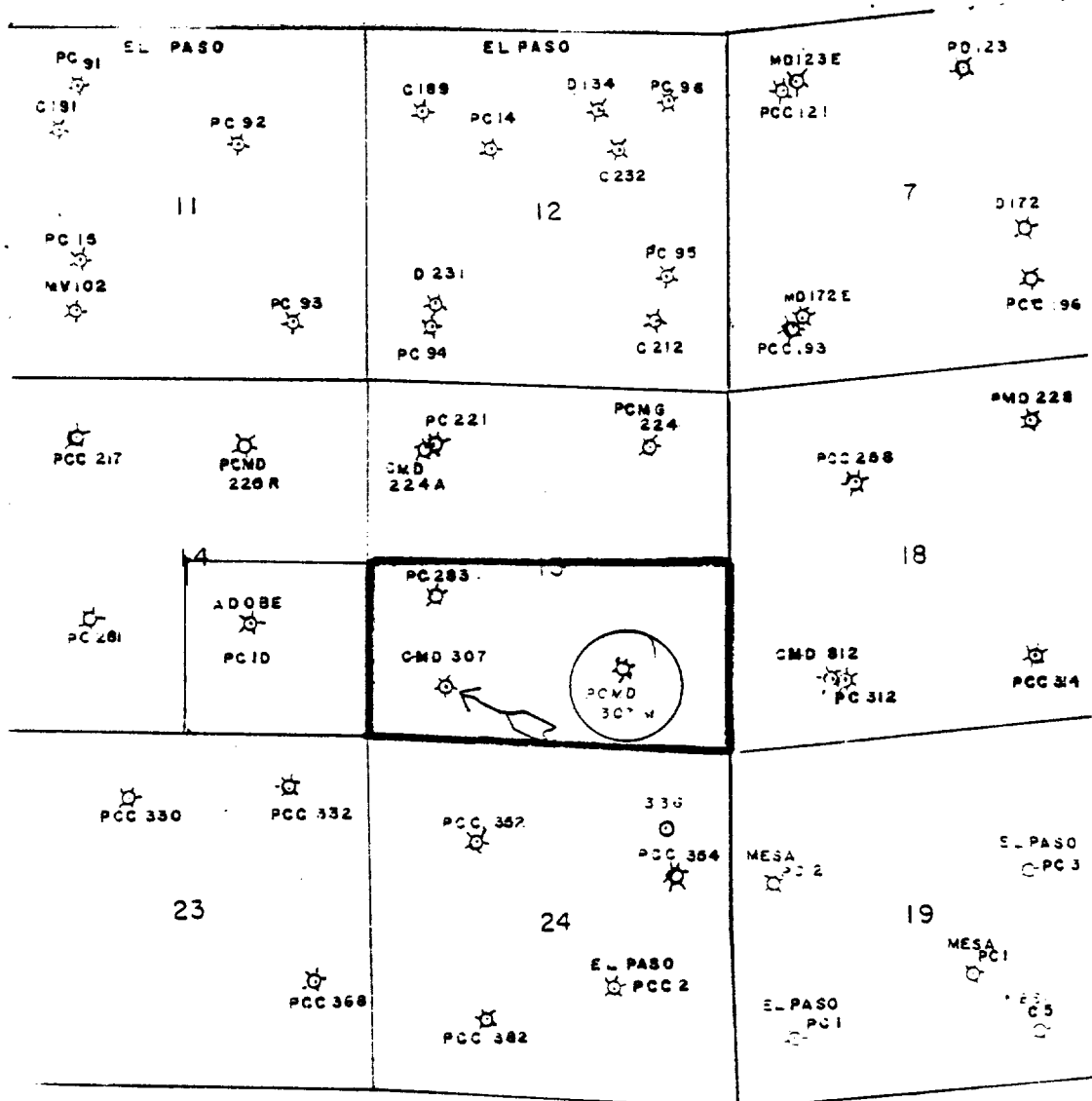
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: South half of Section 13 26N 7W, Rio Arriba County, N.M.

Well No. 307 - Original well Dakota Zone, marked with circle.

Well No. 307-M - Infil well Dakota Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



P or PC = Pictured Cliffs Completion  
 C = Chacra Completion  
 M or MV = Mesa Verde Completion  
 D = Dakota Completion



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

5. LEASE DESIGNATION AND SERIAL NO.

SF-079035-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech A

9. WELL NO.

229 M

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde-Basin Dakot.

11. SEC. T. R. M. OR B.L. AND SURVEY OR AREA

Sec. 17 26N 6W

12. COUNTY OR PARISH 13. STATE

Rio Arriba New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

12. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER   
 SINGLE ZONE  MULTIPLE ZONE

2. NAME OF OPERATOR  
 Caulkins Oil Company

3. ADDRESS OF OPERATOR  
 P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any Special Requirements.)  
 At surface 1120' From North and 890' From East  
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 35 miles Southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drif. unit line, if any) 890'

16. NO. OF ACRES IN LEASE 2400

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. 400'

19. PROPOSED DEPTH 7600'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DP, EC, GR, etc.) 6754 GR.

22. APPROX. DATE WORK WILL START Aug. 1, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30#	400'	250 Sacks
7 7/8"	5 1/2"	15.5 & 17#	7600'	1300 Sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 7600' using 9.0 Gal based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recorded on daily drilling report.

New 9 5/8" 32.30# surface casing will be set at approx. 400' and cemented with sufficient cement to circulate to surface.

(over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Charles D. [Signature] TITLE Superintendent DATE 12-6-82

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL IF ANY:  
 DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

APPROVED  
 AS AMENDED  
 DATE JAN 27 1983  
 JAMES F. SIMS  
 DISTRICT ENGINEER

OPERATOR

This action is subject to administrative appeal pursuant to 30 CFR 290.

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir as a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plate, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 16:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE: 1963-O-711-208

New 5 1/2" 15.5 & 17# casing will be cemented top to bottom with sufficient cement to circulate. Casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Pictured Cliffs Sands.

Centralizers will be run on casing thru Mesa Verde and Dakota Zones.

Well will be completed in Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Packer will be set between Mesa Verde and Dakota Zone.

New 2 1/6" LJ Tubing will be run thru packer to Dakota Zone.

New 2 1/6" LJ Tubing will be run to Mesa Verde Zone for Mesa Verde production.

Gas produced from this well contracted to Gas Company of New Mexico.

### Estimated Formation Tops:

Alamo	2306'
Pictured Cliffs	3056'
Chacra	3952'
Cliff House	4680'
Point Lookout	5402'
Gallup	6642'
Greenhorn	7235'
Dakota	7324'

BUREAU OF THE OIL CONSERVATION COMMISSION Santa Fe, New Mexico	
Case No. <u>4267</u>	Exhibit No. <u>3</u>
Submitted by <u>Caulkins</u>	
Hearing Date <u>9/12/84</u>	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-E355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. REVEL.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1220' From North & 890' From East  
At top prod. interval reported below Same  
At total depth Same

RECEIVED  
SEP 10 1983

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

5. LEASE DESIGNATION AND SERIAL NO.  
SF 079035 A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_

7. UNIT AGREEMENT NAME \_\_\_\_\_

8. FARM OR LEASE NAME  
Breech "A"

9. WELL NO.  
229-M

10. FIELD AND POOL, OR WILDCAT  
Basin Dakota

11. SEC., T., R., M. OR BLOCK AND SURVEY OR AREA  
Section 17 26 North 6 West

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
New Mexico

15. DATE SPUNDED 6-10-83 16. DATE T.D. REACHED 6-24-83 17. DATE COMPL. (Report to prod.) 8 3-83 18. ELEVATIONS (DF, REB, RT, GR, ETC.)\* 6754 GR 19. ELEV. CASINGHEAD 6754

20. TOTAL DEPTH, MD & TVD 7610 21. PLUG, BACK T.D., MD & TVD 7610 22. IF MULTIPLE COMPL., HOW MANY\* (2) Two 23. INTERVALS DRILLED BY ROTARY TOOLS 0-7610 CABLE TOOLS No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 7342' - 7516' Dakota 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron & Gas Spectrum Logs 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 FULLED
9 5/8"	36# H-40	421'	12 1/4"	300 sacks(354 Cu.Ft.)	None
5 1/2"	15.5 & 17#	7610'	7 5/8"	1300 sacks(2004 Cu.Ft.)	None

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/2"	7426'	5566'

31. PREPARATION RECORD (Interval, size and number)

1-.42-7342	1-.42-7444	1-.42-7516
1-.42-7352	1-.42-7448	
1-.42-7358	1-.42-7503	
1-.42-7436	1-.42-7508	
1-.42-7440	1-.42-7512	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
7342 - 7516	150,000# 20-40 Sand and 2628 bbls. Cross Link Fluid

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
8-10-83	Flowing	Shut in

DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-10-83	3 Hours	3/4	→		211		

FLOW. TURNING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
107	PKR	→		1,685		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas to be sold to Gas Co. of New Mexico(Condensate to Shell Oil Co.) TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS Complete cement records

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

SIGNED Charles Vergara TITLE Superintendent DATE SEP-10-1983

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

FARMINGTON RECORDS AREA  
FARMINGTON NEW MEXICO  
BY SJC

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 23, 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 25.

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 16: 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.)

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

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Alamo	2346	2550	Water Sand
Pictured Cliffs	2987	3087	Gas Sand
Mesa Verde	4900	5476	Gas Sand
Dakota	7300	7522	Gas Sand
			<b>Well Deviations Test</b>
			Depth: Degrees
			421 1/2
			915 1/2
			1424 1/2
			1939 3/4
			2728 1
			3146 3/4
			3683 1/2
			4029 1
			4556 1
			5047 1 1/4
			5434 1
			6100 1
			6559 1
			7108 1 1/2

**38. GEOLOGIC MARKERS**

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Alamo	2346	2346
Pictured Cliffs	2987	2987
Mesa Verde	4900	4900
Dakota	7300	7300

Ran 5 1/2" Production Casing as follows:

7610' to 6587'	(1023')	New 5 1/2"	17#	ST&C	K-55 Smls. Casing
6587' to 1034'	(5553')	New 5 1/2"	15.5#	LT&C	K-55 Smls. Casing
1034' to Surface	(1034')	New 5 1/2"	17#	LT&C	K-55 Smls. Casing

Stage Tools run in Casing string at 5549' and 3477'.

Cement Baskets run on Casing string at 5633' and 3562'.

24 Centralizers run on Casing string at following points:

7568', 7529', 7486', 7443', 7408', 7366', 7323', 7280', 7238', 7197', 7154', 7111', 7069', 7035', 5591', 5508', 5468', 5427', 5385', 5346', 5303', 5262', 3519' and 3438'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 7610' with 412.50 Cu.Ft. (250 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 Sacks) Neat Cement.  
Plug down first stage 1:10 PM 6-25-83.

Second Stage cemented thru Stage Tool set at 5549' with 412.50 Cu.Ft. (250 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 Sacks) Neat Cement.  
Plug down second stage 2:15 PM 6-25-83

Thrid Stage thru Stage Tool set at 3477' with 825 Cu.Ft. (500 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 Sacks Neat Cement.  
Plug down 3:35 PM 6-25-83.

Cement circulated on all three stages.

Approx 2 bbls. slurry on first stage.  
Approx 1 bbls. slurry on second stage.  
Approx 5 bbls. slurry on third stage.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

NO. OF COPIES RECEIVED	
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SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PROMOTION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box)  
 New Well  Change in Transporter of: Oil  Dry Gas   
 Recompletion  Condensate Gas  Condensate   
 Change in Ownership

**RECEIVED**  
AUG 19 1983  
OIL CON. DIV. 1  
DIST. 3

If change of ownership give name and address of previous owner

II. DESCRIPTION OF WELL AND LEASE

Lease Name Breach "A"	Well No. 229-M	Pool Name, Including Formation Basin Dakota	Kind of Lease State, Federal or Fee Federal	Lease No. SF079035
Location Unit Letter <u>A</u> : <u>1120</u> Feet From The <u>North</u> Line and <u>890</u> Feet From The <u>East</u> Line of Section <u>17</u> Township <u>26 North</u> Range <u>6 West</u> , N.M.P.M., Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Giant Refinery Company	Address (Give address to which approved copy of this form is to be sent) P.O. Box 256 Farmington, New Mexico
Name of Authorized Transporter of Condensate Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Gas Company of New Mexico	Address (Give address to which approved copy of this form is to be sent) 1508 Pacific Ave. Dallas, Texas
If well produces oil or liquids, give location of tanks. Unit <u>A</u> Sec. <u>17</u> Twp. <u>26N</u> Rng. <u>6W</u>	Is gas actually connected? <u>No</u> When

If this production is commingled with that from any other lease or pool, give commingling order number

IV. COMPLETION DATA

Designate Type of Completion - (X) Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> New Well <input checked="" type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Same Resv. <input type="checkbox"/> Diff. Resv. <input type="checkbox"/>	Date Spudded 6-10-83	Date Compl. Ready to Prod. 8-3-83	Total Depth 7610'	P.B.T.D. 7610'
Elevations (DF, RKB, RT, GR, etc.) 6754 GR	Name of Producing Formation Dakota	Top Oil/Gas Pay 7342'	Tubing Depth 7426'	Depth Casing Shoe 7610'
Perforations 7342' - 7516' Dakota				

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	9 5/8"	421'	300 sacks (354 Cu. Ft.)
7 5/8"	5 1/2"	7610'	1300 sacks (2004 Cu. Ft.)
	1 1/2"	7426'	

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

Date First New Oil Run To Tanks	Date of Test	Producing Method (Elev. pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Case Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D 1,685	Length of Test 3 Hours	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pust, back pr.) Back Pressure	Tubing Pressure (Shut-in) 2.193	Casing Pressure (Shut-in) PKR	Case Size 3/4"

VI. CERTIFICATE OF COMPLIANCE

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

Charles W. Wren  
(Signature)  
Superintendent  
(Title)  
8-17-83  
(Date)

OIL CONSERVATION DIVISION  
APPROVED AUG 19 1983, 1983  
BY \_\_\_\_\_  
SUPERVISOR DISTRICT #3  
TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 1, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM THE Caulkins Oil Company OPERATOR

<u>Breach A</u>	<u>229-M</u>	<u>(A) 17-26N-06W</u>
LEASE	WELL UNIT	S - T - R
<u>Basin Dakota</u>	<u>Gas Company of New Mexico</u>	
POOL	NAME OF PURCHASER	
WAS MADE ON <u>11-29-83</u>	FIRST DELIVERY <u>11-29-83</u>	
DATE	DATE	
<u>1685</u>		
INITIAL POTENTIAL		

/kn

cc:

OPERATOR

New Mexico Oil Conservation Commission - Aztec  
 Minerals Management Service - Oil & Gas  
 Mr. E.R. Corliss, Engineering  
 Mr. R.J. McCrary, Gas Contracts Adm.  
 Prorations Dept., Albuquerque  
 Mr. Robert Utay, Gas Accounting  
 Mr. Joel Levine, Gas Supply  
 Chart Office, Kutz  
 Mr. Perry McFarland, Kutz  
 File

Gas Company of New Mexico  
PURCHASER

*J.R. Large*  
 REPRESENTATIVE

J.R. Large  
Dispatch Manager  
 TITLE

All distances must be from the outer boundaries of the Section.

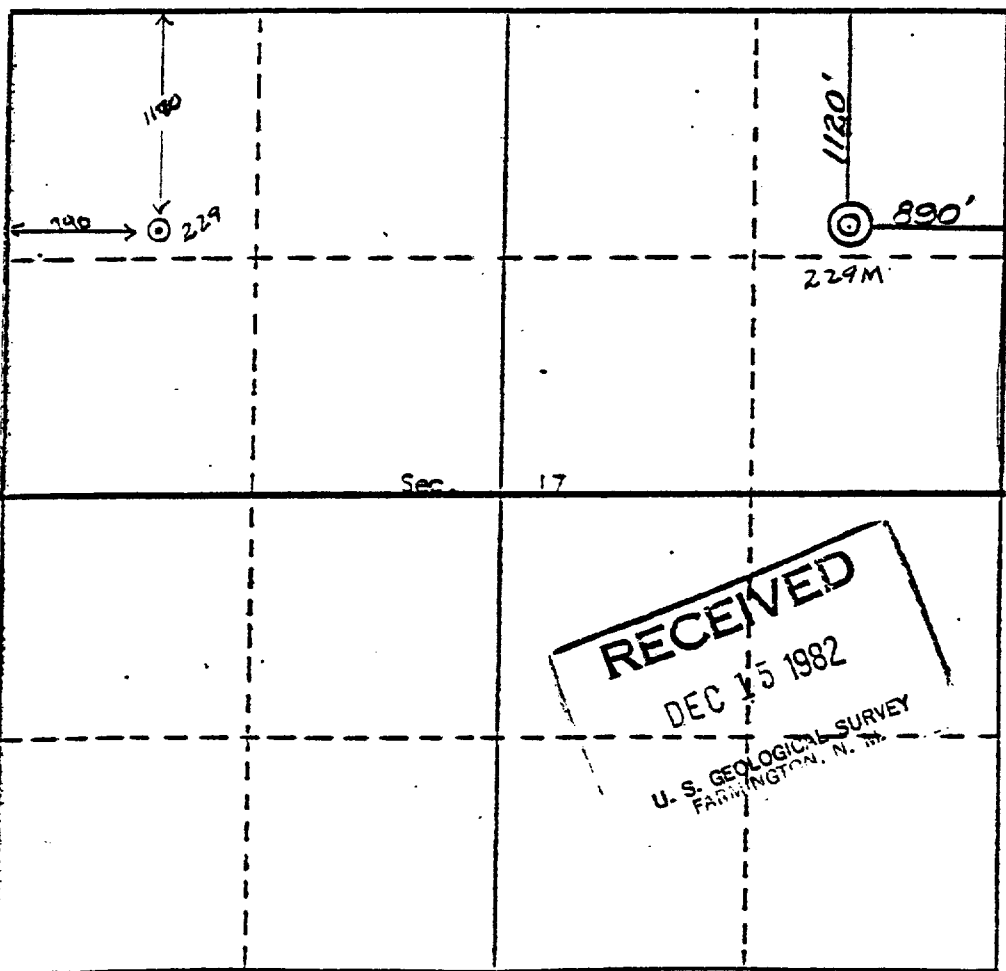
Operator <b>CAULKINS OIL COMPANY</b>			Lease <b>Breech "A"</b>		Well No. <b>229-M</b>
Unit Letter <b>A</b>	Section <b>17</b>	Township <b>26N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>	
Actual Spatoge Location of Well <b>1120</b> feet from the <b>North</b> line and <b>390</b> feet from the <b>East</b> line					
Ground Level Elev. <b>6754</b>	Producing Formation <b>Mesa Verde Dakota</b>		Pool <b>Blanco Mesa Verde Basin Dakota</b>		Dedicated Acres <b>320</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Divisor



**CERTIFICATION**

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

*Charles Verquer*  
Name

**Charles Verquer**  
Position

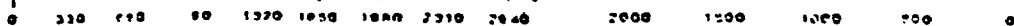
**Superintendent**  
Company

**Caulkins Oil Company**  
Date

**12-13-82**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

October 1982  
Date Surveyed  
*Curtis C. Stucking*  
Curtis C. Stucking  
Registered Professional Engineer  
and/or Land Surveyor  
LAND SURVEYOR  
CURTIS C. STUCKING  
Certificate No. 5981





# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

DAKOTA

229 229-M Infil

229

229-M

<u>Month</u>	<u>Production</u>	<u>Days On</u>	<u>Production</u>	<u>Days On</u>
11-29-83	8,401	31	Shut-In	
12-83	4,433	22	30,278	26
1-84	4,861	26	12,999	14
2-84	5,105	31	24,527	31
3-84	2,956	24	14,340	27
4-84	3,900	21	14,814	26
5-84	2,574	30	4,224	16
<u>Total</u>	<u>32,230</u>	<u>185</u>	<u>101,182</u>	<u>140</u>

# CAULKINS OIL COMPANY

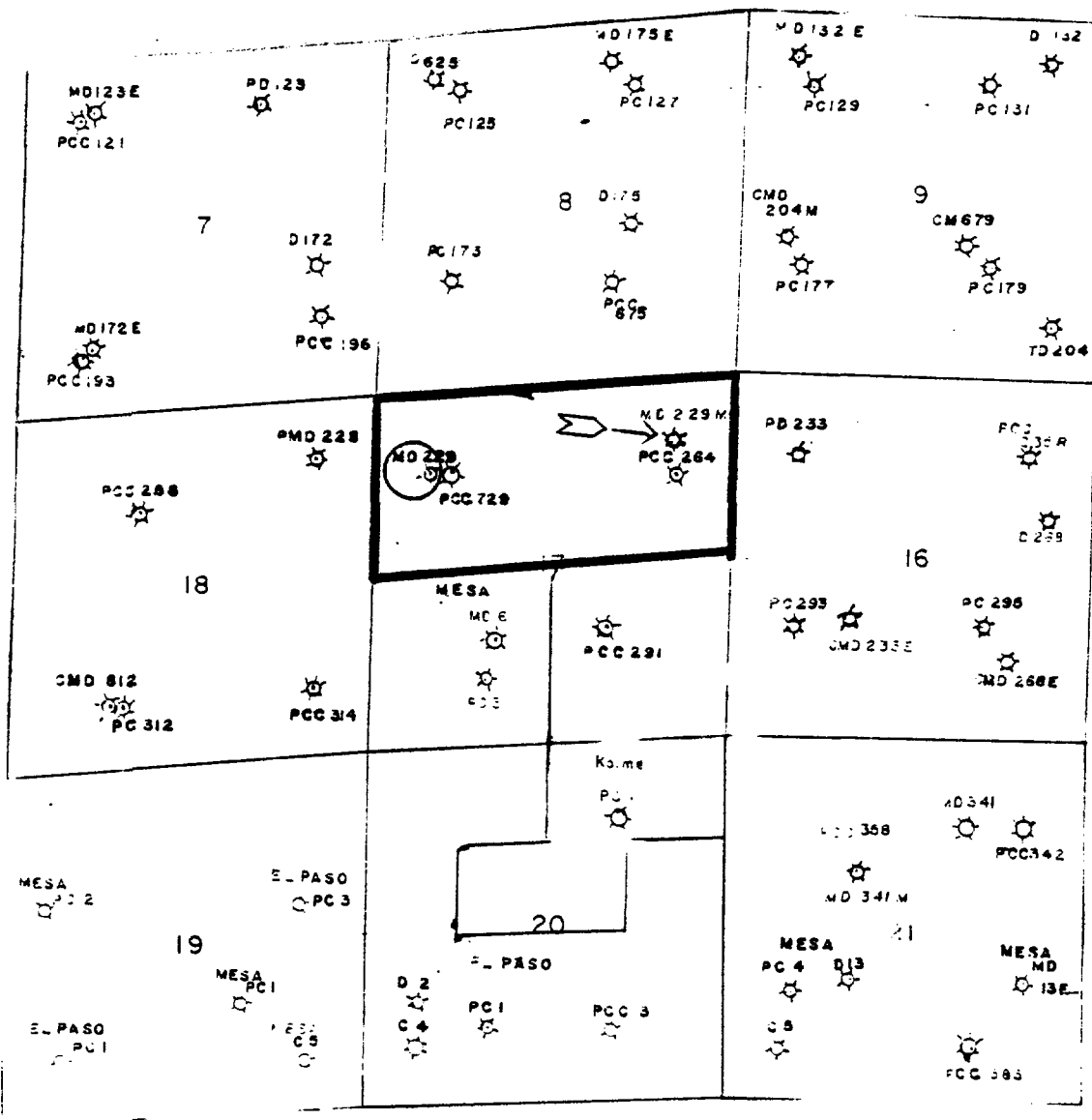
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 17 26N 6W, Rio Arriba County, N.M.

Well No. 229 - Original well Dakota Zone, marked with circle.

Well No. 229-M - Infil well Dakota Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

**APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK**

1a. TYPE OF WORK  
 DRILL                       DEEPEN                       PLUG BACK

b. TYPE OF WELL  
 OIL WELL                       GAS WELL                       OTHER                       SINGLE ZONE                       MULTIPLE ZONE

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface  
880' From the North and 1028' From the  
 At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
same  
35 Miles Southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)  
880'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETION, OR APPLIC. FOR, ON THIS LEASE, FT.  
2001'

21. ELEVATION (Show whether DP, RT, CR, etc.)  
6597 GR

5. LEASE DESIGNATION AND SERIAL NO.  
NM 03553

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breach D

9. WELL NO.  
140M

10. FIELD AND POOL, OR WILDCAT Basin Dakota  
Blanco Mesa Verde

11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
Section 11 26N 6W

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
New Mexico

**RECEIVED**  
 JUL 21 1982

**PROPOSED CASING AND CEMENTING PROGRAM**

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30	300	250 Sacks
7 7/8"	5 1/2"	15.5 & 17	7600	1400 Sacks

Surface formation San Jose. No Abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 7600 9.0 Gel based mud. Float will be run in drill pipe at bit. Es Induction Log will be run in open hole. A Schaeffer 10" Model IWP 6000# test BOP will be in use at all times while drilling and cementing. BOP will be tested at least one time during each 24 hour periods and results recorded on daily drilling report.

New 9 5/8" surface casing will be set at approx. 300' and cemented with sufficient cement to circulate to surface.

New 5 1/2" 15.5 and 17 casing will be cemented top to bottom with sufficient cement to circulate. Casing will be cemented in 3 stages with tools set below Point Lookout Sands and Below Pictured Cliffs Sands. (over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

SIGNED Charles Deque TITLE Superintendent DATE July 20, 1982

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**APPROVED  
AS AMENDED**

DATE OCT 01 1982  
James F. Sims  
 DISTRICT ENGINEER

OPERATOR

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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 as shown below or will be issued by, or may be obtained from, the local Federal and/or State office.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plate, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

\* U.S. GOVERNMENT PRINTING OFFICE: 1963-O-711-508

Centralizers will be run on casing thru Mesa Verde and Dakota zone.

Well will be completed in Mesa Verde and Dakota zones.

Packer will be set between Mesa Verde zone and Dakota zone.

New 2 1/16" LJ tubing will be run thru packer to Dakota zone.

New 1 1/4" LJ tubing will be run to Mesa Verde zone for Mesa Verde production.

All zones will be perforated and fractured to stimulate production.

Gas produced from this well contracted to Gas Company of New Mexico.

**Estimated Formation Tops:**

Alamo	2545
Pictured Cliffs	3112
Cliff House	4803
Point Lookout	5403
Greenhorn	72 50
Graneros	7330
Dakota	7460

OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
CASE NO. <b>2267</b> EXHIBIT NO. <b>4</b>
Submitted by <b>Campbell</b>
Hearing Date <b>9/12/64</b>

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**Caulkins Oil Company**

3. ADDRESS OF OPERATOR  
**P.O. Box 780 Farmington, New Mexico**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface **880' From North & 1128' From West**  
At top prod. interval reported below **Same**  
At total depth **Same**

5. LEASE DESIGNATION AND SERIAL NO.  
**NM 03553**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Brecch "D"**

9. WELL NO.  
**140-M**

10. FIELD AND POOL, OR WILDCAT  
**Basin Dakota**

11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA  
**Section 11. 26North 6West**

12. COUNTY OR PARISH  
**Rio Arriba**

13. STATE  
**New Mexico**

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUDDED **5-28-83** 16. DATE T.D. REACHED **6-9-83** 17. DATE COMPL. (Ready to prod.) **7-20-83** 18. ELEVATIONS (DP, REB, BT, OR, ETC.)\* **6597 GR** 19. ELEV. CASINGHEAD **6597**

20. TOTAL DEPTH, MD & TVD **7592** 21. PLUG, BACK T.D., MD & TVD **7580** 22. IF MULTIPLE COMPL., HOW MANY\* **(2) Two** 23. INTERVALS DRILLED BY ROTARY TOOLS **0-7592** CABLE TOOLS **No**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**7538 - 7300 Dakota**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**ES Gamma Ray and Gas Spectrum Logs**

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
9 5/8"	36# H-40	401'	12 1/4"	354 Cu. Ft. (100 Sacks)	None
5 1/2"	15.5 & 17#	7592	7 5/8"	2004 Cu. Ft. (1300 Sacks)	None

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1 1/2"	7477'	5576'

31. PERFORATION RECORD (Interval, size and number)

1-.42-7300	1-.42-7434	1-.42-7514
1-.42-7308	1-.42-7442	1-.42-7522
1-.42-7324	1-.42-7446	1-.42-7530
1-.42-7340	1-.42-7464	1-.42-7538
1-.42-7430	1-.42-7477	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL-USED
7300 - 7538	150,000# 20-40 Sand and 2353 bbls. Cross Link Fluids

33.\* PRODUCTION

DATE FIRST PRODUCTION **7-27-83** 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
7-27-83	3 Hours	3/4"	→		179		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
89	PKR	→		1,430		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**Gas is to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.)**

TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
**Complete cementing records**

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

SIGNED *Charles Bergman* TITLE Superintendent DATE 7-29-83

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

*Accepted for Record Aug 19, 83* Simms

# 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		38. GEOLOGIC MARKERS					
FORMATION	TOP	BOTTOM	NAME	MEAS. DEPTH	TOP	TRUE VERT. DEPTH	
Alamo	2484	2583	Alamo	2484		2484	
Pictured Cliffs	3078	3136	Pictured Cliffs	3078		3078	
Mesa Verde	4756	5484	Mesa Verde	4756		4756	
Dakota	7300	7564	Dakota	7300		7300	
DESCRIPTION, CONTENTS, ETC.							
Water Sand		Hole Deviation Test					
Gas Sand	Gas Sand	Gas Sand	Gas Sand	Degrees	Depth	Degrees	Depth
				3/4	4200	1 3/4	
				3/4	4710	1 3/4	
				3/4	5228	1 1/2	
				1	5682	1 1/2	
				1	6166	1 1/2	
				1	6677	1 1/4	
				1 1/4	7182	1 1/4	
				1 1/4	7592	1 1/4	

Ran 5 1/2" Production Casing as follows:

7592' to 6568'	(1024.17)	New 5 1/2"	17#	ST&C	K-55 Smls
6568' to 1063'	(5504.81)	New 5 1/2"	15.5#	LT&C	K-55 Smls
1063' to Surface	(1036.64)	New 5 1/2"	17#	LT&C	K-55 Smls

Stage Tools run in Casing string at 5566' and 3399'.

Cement Baskets run on Casing string at 5649' and 3481'.

24 Centralizers run on Casing string at following points:

7549', 7506', 7463', 7419', 7376', 7333', 7289', 7247', 7204', 7163', 7120', 7077', 7035', 6992', 5606', 5524', 5482', 5439', 5398', 5356', 5317', 5274', 3440' and 3357'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 7592' with 412.50 Cu. Ft. (250 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 Sacks) Neat Cement.  
Plug down first stage 2:50 PM 6-9-83

Second Stage cemented thru Stage Tool set at 5566' with 412.50 Cu. Ft. (250 sacks) 50-50 Poz, 6% Gel. 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 sacks) Neat cement.  
Plug down second stage 4:00 PM 6-9-83

Third Stage cemented thru Stage Tool set at 3399' with 825 Cu. Ft. (500 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 sacks) Neat Cement.  
Plug down third stage 6:40 PM 6-9-83.

Cement circulated on all three stages.

Approx 2 bbls. slurry on first stage.  
Approx 1 bbls. slurry on second stage.  
Approx 5 bbls. slurry on third stage.

OIL CONSERVATION DIVISION

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

I. Operator Caulkins Oil Company  
 Address P.O. Box 780 Farmington, New Mexico  
 Reason(s) for filing (Check proper box)  
 New Well  Change in Transporter of:  
 Recompletion  Oil  Dry Gas   
 Change in Ownership  Castinhead Gas  Condensate   
 Other (Please explain) \_\_\_\_\_  
 If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Brech "D"</u>	Well No. <u>140-M</u>	Pool Name, including Formation <u>Basin Dakota</u>	Kind of Lease State, Federal or Fee <u>Federal</u>	Lease No. <u>NM 03553</u>
Location Unit Letter <u>D</u> : <u>880</u> Feet From The <u>North</u> Line and <u>1028</u> Feet From The <u>West</u> Line of Section <u>11</u> Township <u>26 North</u> Range <u>6 West</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> <u>Inland Corporation</u>	Address (Give address to which approved copy of this form is to be sent) <u>P.O. Box 1528 Farmington, New Mexico</u>			
Name of Authorized Transporter of Castinhead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <u>Gas Company of New Mexico</u>	Address (Give address to which approved copy of this form is to be sent) <u>1508 Pacific Ave. Dallas, Texas</u>			
If well produces oil or liquids, give location of tanks.	Unit <u>D</u>	Sec. <u>11</u>	Twp. <u>26N</u>	Rge. <u>6W</u>
	Is gas actually connected? <u>No</u> when _____			

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'
		X	X					
Date Spudded <u>5-28-83</u>	Date Compl. Ready to Prod. <u>7-20-83</u>	Total Depth <u>7592</u>		P.B.T.D. <u>7580</u>				
Elevations (DF, RKB, RT, GR, etc.) <u>6597 GR</u>	Name of Producing Formation <u>Dakota</u>	Top Oil/Gas Pay <u>7300</u>		Tubing Depth <u>7427</u>				
Perforations <u>7538 - 7300 Dakota</u>		Depth Casing Shoe <u>7592</u>						
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE		DEPTH SET		SACKS CEMENT			
<u>12 1/4"</u>	<u>9 5/8"</u>		<u>401'</u>		<u>354 Cu.Ft. (100 Sacks)</u>			
<u>7 5/8"</u>	<u>5 1/2"</u>		<u>7592'</u>		<u>2004 Cu.Ft. (1300 Sacks)</u>			
	<u>1 1/2"</u>		<u>7592' MIN</u>					

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

Actual Prod. Test-MCF/D <u>1,430</u>	Length of Test <u>3 Hours</u>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (press, back pr.) <u>Back Pressure</u>	Tubing Pressure (Shut-in) <u>1,121</u>	Casing Pressure (Shut-in) <u>PKR</u>	Choke Size <u>3/4"</u>

VI. CERTIFICATE OF COMPLIANCE

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

[Signature]  
 Superintendent  
 (Title)  
7-29-83  
 (Date)

OIL CONSERVATION DIVISION  
9-23-83 SEP 23 1983  
 APPROVED \_\_\_\_\_, 19\_\_\_\_  
 BY [Signature]  
 TITLE Superintendent SUPERVISOR DISTRICT # \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
 If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviated tests taken on the well in accordance with RULE 111.  
 All sections of this form must be filled out completely for allowable on new and recompleted wells.  
 Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of conditions.  
 Separate Forms C-104 must be filed for each pool in multiple completed wells.



OIL CONSERVATION COMMISSION

1000 Rio Brazos Road  
AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 6, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company  
OPERATOR

Breech D 140-M (D) 11-26N-06W  
LEASE WELL UNIT S - T - R

Basin Dakota Gas Company of New Mexico  
POOL NAME OF PURCHASER

WAS MADE ON 12-6-83 , FIRST DELIVERY 12-6-83  
DATE DATE

1430  
INITIAL POTENTIAL

Gas Company Of New Mexico  
PURCHASER

J.R. Large  
REPRESENTATIVE  
J.R. Large  
Dispatch Manager  
TITLE

/kn

cc: OPERATOR  
New Mexico Oil Conservation Commission - Aztec  
Minerals Management Service - Oil & Gas  
Mr. E.R. Corliss, Engineering  
Mr. R.J. McCrary, Gas Contracts Adm.  
Mr. Robert Utay, Gas Accounting  
Mr. Joel Levine, Gas Supply  
Prorations Dept., Albuquerque  
Chart Office, Kutz  
Mr. Perry McFarland, Kutz  
File

All distances must be from the outer boundaries of the Section.

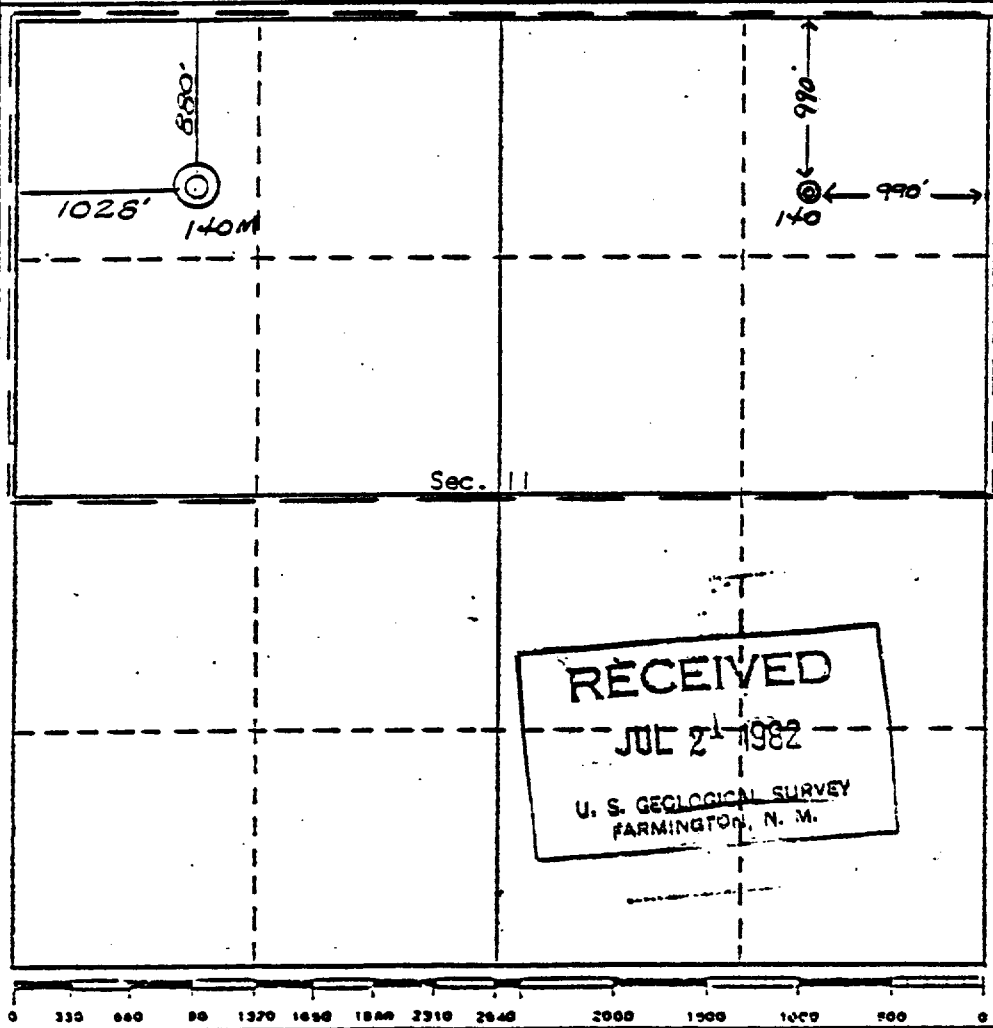
Operator <b>CAULKINS OIL COMPANY</b>		Lease <b>Breech D</b>			Well No. <b>140-M</b>
Unit Letter <b>D</b>	Section <b>11</b>	Township <b>26 NORTH</b>	Range <b>6 WEST</b>	County <b>RIO ARRIBA</b>	
Actual Postage Location of Well: <b>880</b> feet from the <b>NORTH</b> line and <b>1028</b> feet from the <b>WEST</b> line					
Ground Level Elev. <b>6597.0</b>	Producing Formation <b>Mesa Verde &amp; Dakota</b>		Pool <b>Blanco Mesa Verde &amp; Basin Dakota</b>		Dedicated Acreage <b>320</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



**RECEIVED**  
JUL 21 1982  
U. S. GEOLOGICAL SURVEY  
FARMINGTON, N. M.

**CERTIFICATION**

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

*Charles E. Verquer*  
Name

**Charles E. Verquer**  
Position

**Superintendent**  
Company

**Caulkins Oil Company**  
Date

**July 20, 1982**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed \_\_\_\_\_  
Registered Professional Engineer and Land Surveyor  
*Charles C. Stocking*  
**Charles C. Stocking**

Certificate No. **5980**

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

DAKOTA

140 140-M Infil

Month	140		140-M	
	Production	Days On	Production	Days On
12-6-83	7,344	30	8,488	19
1-84	6,225	27	10,340	24
2-84	4,614	24	11,433	<del>24</del>
3-84	4,408	28	10,042	29
4-84	3,898	31	9,678	31
5-84	1,300	11	5,461	24
<hr/>				
Total	27,789	151	55,442	158

# CAULKINS OIL COMPANY

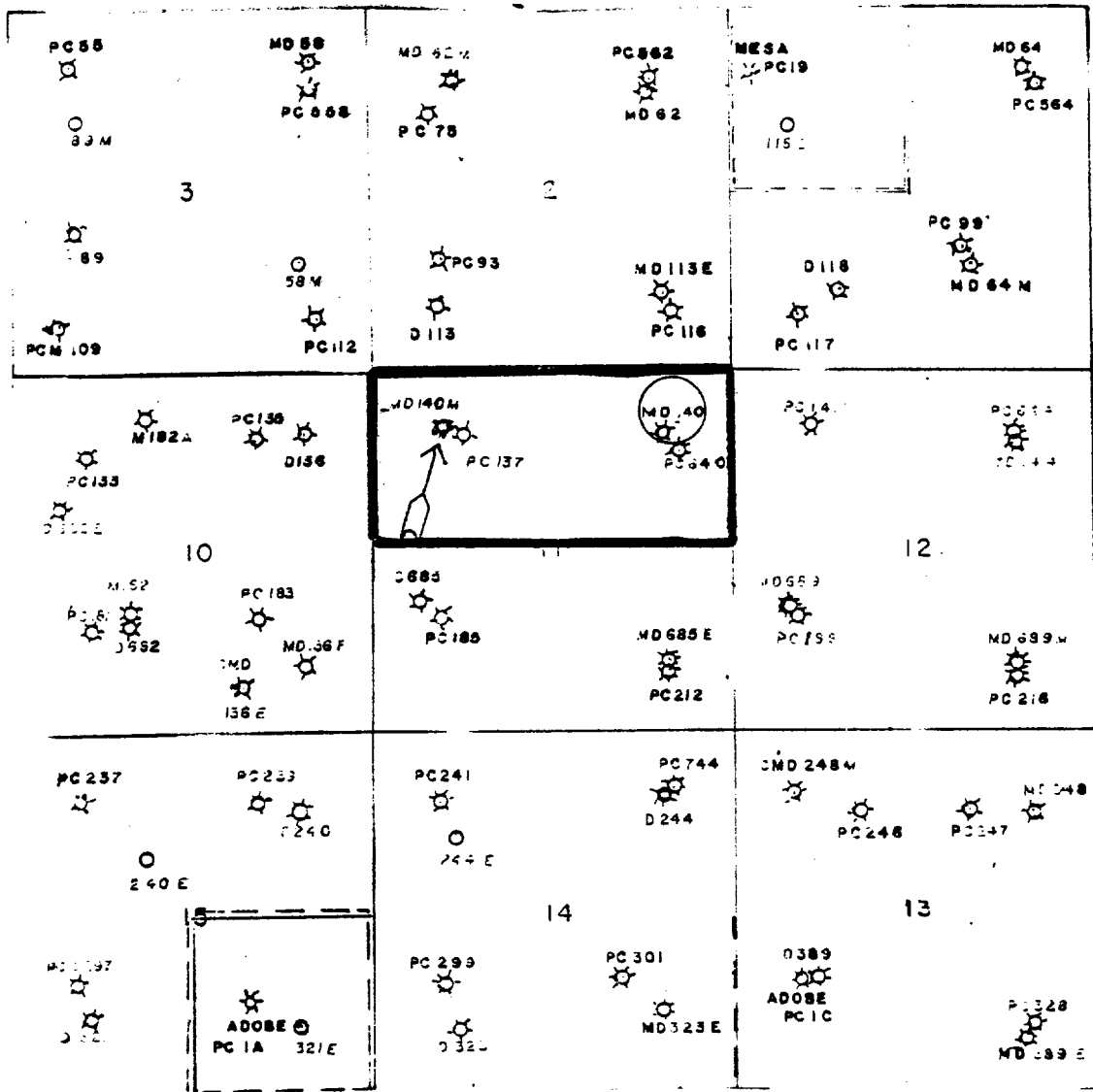
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 11 26N 6W, Rio Arriba County, N.M.

Well No. 140 - Original well Dakota Zone, marked with circle.

Well No. 140-M - Infil well Dakota Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



P or PC = Pictured Cliffs Completion  
 C = Chacra Completion  
 M or MV = Mesa Verde Completion  
 D = Dakota Completion

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LAND OFFICE	
OPERATOR	

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.  
E 291 17

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. Form or Lease Name State A
2. Name of Operator Caulkins Oil Company		9. Well No. 62 M
3. Address of Operator P.O. Box 780, Farmington, New Mexico 87499		10. Field and Pool or Wildcat Basin Dakota Blanco Mesa Verde
4. Location of Well UNIT LETTER <u>D</u> LOCATED <u>1040</u> FEET FROM THE <u>North</u> LINE AND <u>1120</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>2</u> TWP. <u>26 N</u> SEC. <u>6 W</u> NMPM		12. County Rio Arriba
19. Proposed Depth 7600'		19A. Formation Dakota
20. Rotary or C.T. Rotary		
21. Elevations (Show whether DF, RT, etc.) 6592 Gr.	21A. Kind & Status Plug. Bond	21B. Drilling Contractor Aztec Well Service
		22. Approx. Date Work will start May 1, 1983

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13 3/4"	9 5/8"	32.30	300'	250(293 CuFt)	Surface
7 7/8"	5 1/2"	15.5 & 17	7600'	1400(2000 CuFt)	Surface

It is proposed to drill Dakota Infill well to approx. 7600'. 5 1/2" 15.5# and 17# sml. casing to be run to TD and cemented in 3 stages with sufficient cement to circulate to surface.

Well will be drilled with 9.0# fluids surface to TD. A 10" 3000# WP, 6000# test BOP will be in use at all times while drilling below surface pipe.

This acreage dedicated to Gas Company of New Mexico.

Subject to Approval by OCD, well will be Dual Completed, with packer set between Dakota and Mesa Verde zones. Both zones will be perforated and sand-water frac'ed individually to stimulate production.

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MAR 15 1983

OIL CON. DIV.  
DIST. 3

ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK. GIVE DATA ON PRODUCTION ZONE AND PROPOSED NEW PRODUCTION ZONE. GIVE BLOWOUT PREVENTER PROGRAM, IF ANY.

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

Signed Charles E. Veraver Title Superintendent Date 3-14-83

APPROVED BY [Signature] TITLE SUPERVISOR DISTRICT # 3 DATE MAR 15 1983

CONDITIONS OF APPROVAL, IF ANY:  
Sept. 15, 1983  
SUBMITTED

BEFORE THE  
OIL COMMISSION OF AMISSION  
Santa Fe, New Mexico  
Case No. **B267** EXHIBIT No. **5**  
Submitted by **Condon**  
Hearing Date **5/12/54**

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NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

**RECEIVED**  
AUG 11 1983  
OIL CON. DIV. 3

Form C-105  
Revised 10-78

6a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
E-291-17

1a. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER

b. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER

7. Unit Agreement Name

8. Firm or Lease Name  
State "A"

9. Well No.  
62-M

10. Field and Pool, or Wildcat  
Basin Dakota

2. Name of Operator  
Caulkins Oil Company

3. Address of Operator  
P.O. Box 780 Farmington, New Mexico 87499

4. Location of Well  
UNIT LETTER D LOCATED 1040 FEET FROM THE North LINE AND 1120 FEET FROM THE West LINE OF SEC. 2 TWP. 26-N RGE. 6-W NMPM

12. County  
Rio Arriba

15. Date Spudded 5-14-83 16. Date T.D. Reached 5-26-83 17. Date Compl. (Ready to Prod.) 7-7-83 18. Elevations (DF, RKB, RT, GR, etc.) 6592 GR 19. Elev. Casinghead 6592

20. Total Depth 7612' 21. Plug Back T.D. 7612' 22. If Multiple Compl., How Many (2) Two 23. Intervals Drilled By: Rotary Tools 0-7612 Cable Tools No

24. Producing Interval(s), of this completion - Top, Bottom, Name  
7590' - 7372' Dakota

25. Was Directional Survey Made  
No

26. Type Electric and Other Logs Run  
ES Gamma Ray and Spectrum Logs

27. Was Well Cored  
No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36# H-40	403'	13 3/4"	354 Cu.Ft. (300 Sacks)	None
5 1/2"	15.5 & 17#	7612'	7 7/8"	2004 Cu.Ft. (1300 Sacks)	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
1 1/2"	7555'	5654'

31. Perforation Record (Interval, size and number)

1-.42-7590	1-.42-7536	1-.42-7372
1-.42-7583	1-.42-7530	
1-.42-7578	1-.42-7494	
1-.42-7573	1-.42-7488	
1-.42-7554	1-.42-7476	

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
7590 - 7372	187,000# 20-40 Sand and 3293 bbls. Cross Link Fluids

33. PRODUCTION

Date First Production 7-14-83 Production Method (Flowing, gas lift, pumping - Size and type pump) Flowing Well Status (Prod. or Shut-in) Shut-in

Date of Test	Hours Tested	Choke Size	Prodn. For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
7-14-83	3 HOURS	3/4"			216		

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
110	PKR			1,727		

34. Disposition of Gas (Sold, used for fuel, vented, etc.)  
Gas to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.)

Test Witnessed By

35. List of Attachments  
Complete Cementing records.

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Charles Vergara TITLE Superintendent DATE 7-18-83

**INSTRUCTIONS**

This form is to be filed with the appropriate State Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be prepared by one copy of all observed and prospectively to be run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of horizontally drilled wells, true vertical depth shall also be reported. For multiple completions, Items 36 through 38 shall be reported for each zone. The form is to be filed in triplicate except on state land, where six copies are required. See Rule 1165.

**INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE**

**Southeastern New Mexico**

**Northwestern New Mexico**

T. Anhy _____	T. Canyon _____	T. Ojo Alamo _____	2537	T. Penn. "B" _____
T. Salt _____	T. Strawn _____	T. Kirtland-Fruitland _____	2660	T. Penn. "C" _____
B. Salt _____	T. Atoka _____	T. Pictured Cliffs _____	3111	T. Penn. "D" _____
T. Yates _____	T. Miss _____	T. Cliff House _____	4825	T. Leadville _____
T. 7 Rivers _____	T. Devonian _____	T. Menefee _____	4855	T. Madison _____
T. Queen _____	T. Silurian _____	T. Point Lookout _____	5351	T. Elbert _____
T. Grayburg _____	T. Montoya _____	T. Mancos _____	5473	T. McCracken _____
T. San Andres _____	T. Simpson _____	T. Gallup _____	6676	T. Ignacio Qtzte _____
T. Glorieta _____	T. McKee _____	Base Greenhorn _____	7320	T. Granite _____
T. Paddock _____	T. Ellenburger _____	T. Dakota _____	7348	T. _____
T. Blinberry _____	T. Gr. Wash _____	T. Morrison _____		T. _____
T. Tubb _____	T. Granite _____	T. Todilto _____		T. _____
T. Drinkard _____	T. Delaware Sand _____	T. Entrada _____		T. _____
T. Abo _____	T. Bone Springs _____	T. Wingate _____		T. _____
T. Wolfcamp _____	T. _____	T. Chinle _____		T. _____
T. Penn. _____	T. _____	T. Permian _____		T. _____
T. Cisco (Bough C) _____	T. _____	T. Penn. "A" _____		T. _____

**OIL OR GAS SANDS OR ZONES**

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 5, 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.

**FORMATION RECORD (Attach additional sheets if necessary)**

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	2537	2537	Sand and Shale				
2537	2660	123	Water and Shale				
2660	3111	451	Sand and Shale				
3111	3180	69	Gas Sands				
3180	4825	1645	Sand and Shale				
4825	4855	30	Gas Sands				
4855	5351	496	Sand and Shale				
5351	5473	122	Gas Sands				
5473	7348	1875	Sand and Shale				
7348	7612	264	Gas Sands				



Ran 5 1/2" Production Casing as follows:

7612' to 6609'	(1003')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
6609' to 5579'	(5579')	New 5 1/2"	15.5#	LT&C	K-55 Smls Casing
1030' to Surface	(1030')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 5608' and 3446'.

Cement Baskets run on Casing string at 5692' and 3530'.

24 Centralizers run on Casing string at following points:

7570', 7529', 7487', 7444', 7402', 7361', 7320', 7278', 7236', 7193', 7151', 7113', 7071', 7029', 5649', 5568', 5525', 5483', 5443', 5400', 5361', 5320', 3487' and 3404'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 7612' with 412.50 Cu.Ft. (250 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.

Plug down first stage 8:20 PM 5-27-83

Second Stage cemented thru Stage Tool set at 5608' with 412.50 Cu.Ft. (250 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.

Plug down second stage 9:30 PM 5-27-83

Third Stage cemented thru Stage Tool set at 3446'. With 825 Cu.Ft. (500 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.

Plug down third stage 11:00 PM 5-27-83

Cement circulated on all three Stages.

Approx 2 bbls. slurry on first stage.

Approx 1 bbls. slurry on second stage.

Approx 5 bbls. slurry on third stage.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

I. Operator Caulkins Oil Company

Address P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well  Change in Transporter of: Oil  Dry Gas

Recompletion  Casinghead Gas  Condensate

Change in Ownership

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>State "A"</u>	Well No. <u>62 N</u>	Pool Name, including Formation <u>Basin Dakota</u>	Kind of Lease State, Federal or Fee <u>State</u>	Lease No. <u>E-291-17</u>
Location Unit Letter <u>D</u> ; <u>1040</u> Feet From The <u>North</u> Line and <u>1120</u> Feet From The <u>West</u>				
Line of Section <u>2</u> Township <u>26 North</u> Range <u>6 West</u> , NMPM, <u>Rio, Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> <u>Giant Refinery Company</u>	Address (Give address to which approved copy of this form is to be sent) <u>P.O. Box 780 Farmington, New Mexico</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <u>Gas Company of New Mexico</u>	Address (Give address to which approved copy of this form is to be sent) <u>1508 Pacific Ave. Dallas, Texas</u>
If well produces oil or liquids, give location of tanks. Unit <u>D</u> Sec. <u>2</u> Twp. <u>26 N</u> Rge. <u>6 W</u>	Is gas actually connected? <u>No</u>

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded <u>5 14-83</u>	Date Compl. Ready to Prod. <u>7-7-83</u>	Total Depth <u>7612'</u>	P.S.T.D. <u>7612'</u>					
Elevations (DF, R&B, RT, GR, etc.) <u>6592 GR</u>	Name of Producing Formation <u>Dakota</u>	Top Oil/Gas Pay <u>7372'</u>	Tubing Depth <u>7555'</u>					
Perforations <u>7590' to 7372' Dakota</u>							Depth Casing Shoe <u>7612'</u>	
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
<u>13 3/4"</u>	<u>9 5/8"</u>	<u>403'</u>	<u>354 Cu.Ft. (300 sacks)</u>					
<u>7 7/8"</u>	<u>5 1/2"</u>	<u>7612'</u>	<u>2004 Cu.Ft. (1300 sacks)</u>					
	<u>1 1/2"</u>	<u>7555'</u>						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

Actual Prod. Test - MCF/D <u>1727</u>	Length of Test <u>3 Hours</u>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (plug, back pr.) <u>Back Pressure</u>	Tubing Pressure (Shut-In) <u>1600</u>	Casing Pressure (Shut-In) <u>PKR</u>	Choke Size <u>3/4"</u>

VI. CERTIFICATE OF COMPLIANCE

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

Charles E. Wiggins  
(Signature)  
Superintendent  
(Title)  
8-8-83  
(Date)

OIL CONSERVATION DIVISION  
SEP 23 1983  
APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY Sam J. King  
SUPERVISOR DISTRICT # 0  
TITLE \_\_\_\_\_

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

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

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

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

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 15, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company

OPERATOR

State A

62-M

(D)02-26N-06W

LEASE

WELL UNIT

S - T - R

Basin Dakota

Gas Company of New Mexico

POOL

NAME OF PURCHASER

WAS MADE ON 12-13-83

, FIRST DELIVERY 12-13-83

DATE

DATE

1727

INITIAL POTENTIAL

Gas Company of New Mexico

PURCHASER



REPRESENTATIVE

J.R. Large

Dispatch Manager

TITLE

/kn

cc: OPERATOR

New Mexico Oil Conservation Commission - Aztec

Minerals Management Service - Oil & Gas

Mr. E.R. Corliss, Engineering

Mr. R.J. McCrary, Gas Contracts Adm.

Mr. Robert Utay, Gas Accounting

Mr. Joel Levine, Gas Supply

FORM 29-43 11-78

Prorations Dept., Albuquerque

Chart Office, Kutz

Mr. Perry McFarland, Kutz

File

Distances must be from the outer boundaries of the section.

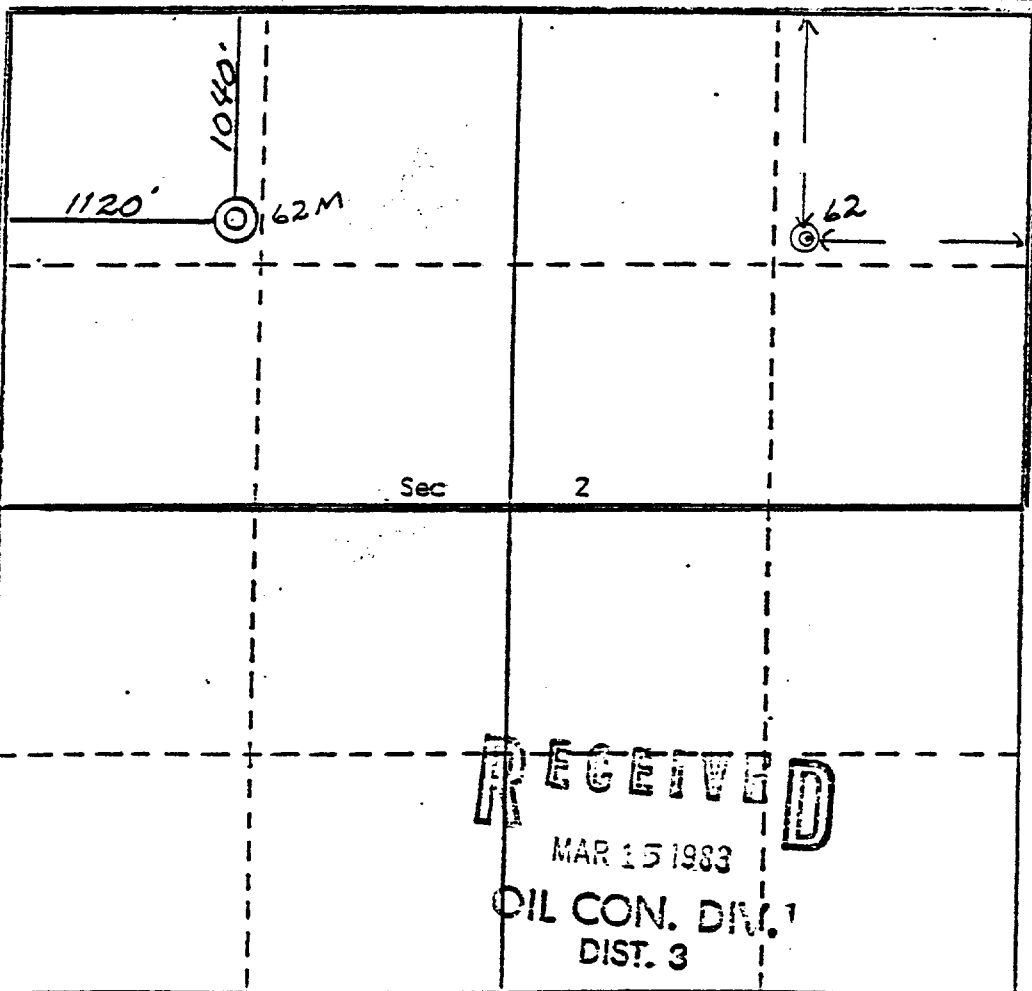
Operator <b>CAULKINS OIL COMPANY</b>			Lease <b>State "A"</b>		Well No. <b>62-M</b>
Unit Letter <b>D</b>	Section <b>2</b>	Township <b>25N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>	
Actual Footage Location of Well: <b>1040</b> feet from the <b>North</b> line and <b>1120</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6592</b>	Producing Formation <b>Mesa Verde - Dakota</b>		Pool <b>Blanco Mesa Verde - Basin Dakota</b>	Dedicated Acreage: <b>32.3</b> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



CERTIFICATION

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

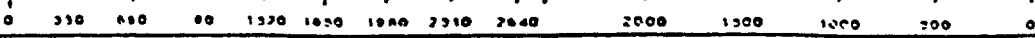
*Charles Verquer*  
Charles Verquer

Name \_\_\_\_\_  
 Position **Superintendent**  
 Company **Caulkins Oil Company**  
 Date **3-4-83**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

**RECEIVED**  
 MAR 15 1983  
 OIL CON. DIV.  
 DIST. 3

**REGISTERED PROFESSIONAL ENGINEER AND/OR LAND SURVEYOR**  
**5980**  
**ERTIS L. STUCKING**



# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

DAKOTA

62 62-M Infil

Month	Production	62 Days On	Production	62-M Days On
12-13-83	4,086	29	6,847	12
1-84	Shut-in		9,882	24
2-84	3,082	11	11,533	31
3-84	4,108	19	7,339	23
4-84	2,979	10	9,481	31
5-84	3,375	19	4,160	16
Total	17,630	88	49,242	137

# CAULKINS OIL COMPANY

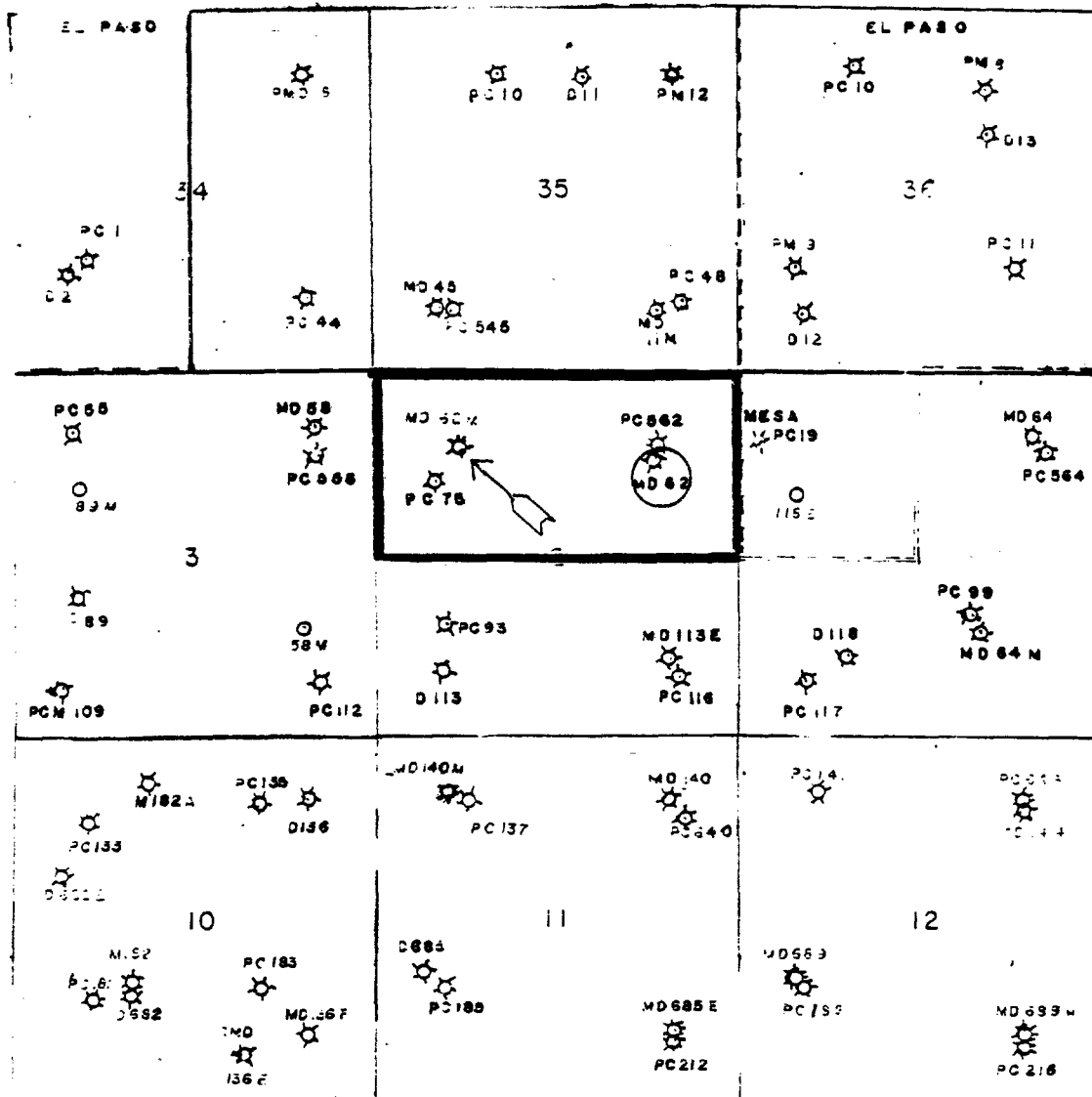
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 2 26N 6W, Rio Arriba County, N.M.

Well No. 62 - Original well Dakota Zone, marked with circle.

Well No. 62-M - Infil well Dakota Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



P or PC = Pictured Cliffs Completion  
 C = Chacra Completion  
 M or MV = Mesa Verde Completion  
 D = Dakota Completion

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

3. LEASE DESIGNATION AND SERIAL NO.  
NM 03553

4. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. NAME OF LEASE NAME

Breach D

9. WELL NO.

841-M

10. FIELD AND POOL OR WILDCAT

Blanco Mesa Verde-Basin Oak

11. SEC. T. R. M. OR B.L.E. AND SURVEY OR AREA

Sec. 21 26 North 6 West

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG-BACK

1a. TYPE OF WORK  
 DRILL  DEEPEN  PLUG BACK

b. TYPE OF WELL  
 OIL WELL  GAS WELL  OTHER  SINGLE-ZONE  MULTIPLE-ZONE

1. NAME OF OPERATOR  
 Caulkins Oil Company

2. ADDRESS OF OPERATOR  
 P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 at surface 1850 From North and 1800 From West

At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 40 Miles Southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any)  
 790'

13. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETION, OR APPLIED FOR, ON THIS LEASE, FT.  
 150'

21. ELEVATIONS (Show whether DF, RL, GR, etc.)  
 6675 GR

DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS" PROPOSED CASEY AND CASSELL PROGRAM

16. NO. OF ACRES IN LEASE 1920

17. NO. OF ACRES ASSIGNED TO THIS WELL 320

19. PROPOSED DEPTH 7500'

20. ROTARY OR CABLE TOOLS Rotary

22. APPROX. DATE WORK WILL START July 10, 1983

This action is subject to administrative appeal pursuant to 30 CFR 290.

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 3/4"	9 5/8"	32.30	400'	354 CuFt.
7 7/8"	5 1/2"	15.5 & 17#	7425'	2050 CuFt.

Surface formation San Jose. No abnormal pressure or temperature anticipated

It is proposed to drill new hole, surface to 7425' using 9.0 Gal based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaefflar 10" Model LWP 6000# cast BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recorded on daily report.

New 9 5/8" 32.30# H-40 (new) surface casing will be set at approx. 400' and cemented with sufficient cement to circulate to surface.

IF ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout prevention program, if any.

SIGNED Charles Desper TITLE Superintendent DATE 5-16-83

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
AS AMENDED  
DATE JUN 1, 1983  
JAMES F. SIMS  
DISTRICT ENGINEER

OPERATOR

**Instructions**

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plate, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency officials.

Items 15 and 16: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

New 1/2" 15.5 & 17# K-55 6mis casing (new) will be cemented top to bottom with sufficient cement to circulate. Casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Pictured Cliffs Sands.

Centralizers will be run on casing thru Mesa Verde and Dakota Zones.

Well will be completed in Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Packer will be set between Mesa Verde and Dakota Zone.

New 2 1/16" LJ Tubing will be run thru packer to Dakota Zone.

New 2 1/16" LJ Tubing will be run to Mesa Verde Zone for Mesa Verde production.

Gas produced from this well contracted to Gas Company of New Mexico.

**Estimated Formation Tops:**

Alamo	2280'
Pictured Cliffs	2930'
Chacra	3842'
Cliff House	4550'
Point Lookout	5300'
Gallup	6550'
Greenhorn	7100'
Dakota	7180'

OIL COMPANY OF MISSOURI  
SANTA FE, NEW MEXICO

Case No. **8267** Exhibit No. **6**

Submitted by **Landlows**

Hearing Date **9/12/84**



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  FLUG BACK  DIFF. DESGV.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**Caulkins Oil Company**

3. ADDRESS OF OPERATOR  
**P.O. Box 780 Farmington, New Mexico**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface **1850' From North & 1800' From West**  
 At top prod. interval reported below **Same**  
 At total depth **Same**

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_  
 BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
**NM 03553**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
**Breach "D"**

9. WELL NO.  
**341-M**

10. FIELD AND POOL, OR WELDCAT  
**Blanco Mesa Verde**

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
**Section 21 26 North 6 West**

12. COUNTY OR PARISH  
**Rio Arriba**

13. STATE  
**New Mexico**

15. DATE SPUNDED **6-26-83** 16. DATE T.D. REACHED **7-8-83** 17. DATE COMPL. (Ready to prod.) **8-23-83** 18. ELEVATIONS (DP, REE, RT, GR, ETC.)\* **6675 GR** 19. ELEV. CASINGHEAD **6675**

20. TOTAL DEPTH, MD & TVD **7440'** 21. FLOOR, SACK T.D., MD & TVD **7440'** 22. IF MULTIPLE COMPL., HOW MANY? **(2) Two** 23. INTERVALS DRILLED BY ROTARY TOOLS **0-7440** CABLE TOOLS **No**

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**5360' to 5102' Mesa Verde** 25. WAS DIRECTIONAL SURVEY MADE **No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**ES Gamma Ray** 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
9 5/8"	36# H-40	410'	12 1/4"	300 sacks (354 Cu.Ft.)	None
5 1/2"	15.5 & 17#	7440'	7 5/8"	1300 sacks (2004 Cu.Ft.)	None

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"	5364'	5402'

31. PERFORATION RECORD (Interval, size and number)

1-.42-5360	1-.42-5250	1-.42-5102
1-.42-5304	1-.42-5228	
1-.42-5298	1-.42-5193	
1-.42-5284	1-.42-5166	
1-.42-5161	1-.42-5161	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
5360' to 5102'	124,000# 20-40 sand and 1725 bbls. 20# Gel Fluid

33.\* PRODUCTION

DATE FIRST PRODUCTION **8-30-83** 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	CHOKES SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
8-30-83	3 Hours	3/4"			173		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
86	633			1,387		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**Gas to be sold to Gas Company of New Mexico (Condensated to Shell Oil Co.)** TEST WITNESSED BY **ACCEPTED FOR RECORD**

35. LIST OF ATTACHMENTS  
**Complete cementing records.**

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

SIGNED Charles E. Verque TITLE **Superintendent** DATE **SEP 1 2 1983 8-22-83**

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

OPERATOR

FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO  
BY Smm

# 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 24, and 24, and 24, 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: "Seals 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 FORMER ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTS, CUBIC FEET, FLOWING AND SHUT-IN PRESSURE, AND RECORDING		38. GEOLOGIC MARKERS	
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
Alamo	2230	2458	Water Sand
Pictured Cliffs	2990	3050	Gas Sand
Mesa Verde	4617	5368	Gas Sand
Dakota	7235	7418	Gas Sand
			Hole Deviation Test
		Depth	Degrees
		418	1/2
		920	1/2
		1434	1/2
		1964	1/2
		2529	1/2
		3021	3/4
		3513	1
		4000	1/2
		4515	3/4
		5026	3/4
		5512	1
		6012	1
		6515	1
		7027	1 1/2
		7147	1 1/2
		7440	1 1/2

341-M

Ran 5 1/2" Production Casing as follows:

7440' to 5445'	(1995')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
5445' to 3370'	(2075')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
3370' to 1000'	(2370')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
1000' to Surface	(1000')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 5445' and 3370'.

Cement Baskets run in Casing string at 5571' and 3498'.

24 Centralizers run on Casing string at following points:

7403', 7366', 7329', 7293', 7258', 7221', 7186', 7151', 7115', 7077', 7043', 7005', 6968', 6927', 5528', 5402', 5361', 5318', 5278', 5237', 5195', 5156', 3457' and 3327'.

Cemented 5 1/2" Casing in three stages.

First Stage thru shoe at 7440' with 250 sacks (412.50 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 6:15 PM 7-9-83.

Second Stage cemented thru Stage Tool set at 5445' with 250 sacks (412.50 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 7:30 PM 7-9-83

Third Stage cemented thru Stage Tool set at 3370' with 500 sacks (825 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 9:30 PM 7-9-83.

Cemented circulated on all three stages.

Approx 5 bbls. slurry on first stage.  
Approx 2 bbls. slurry on second stage.  
Approx 20 bbls. slurry on third stage.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

NO. OF COPIES RECEIVED	
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U.S.G.A.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

**I. OPERATOR**

Operator: Caulkins Oil Company

Address: P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well	<input checked="" type="checkbox"/>	Change in Transporter oil	
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Component Gas	<input type="checkbox"/> Condensate <input type="checkbox"/>

If change of ownership give name and address of previous owner \_\_\_\_\_

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name: <u>Breech "D"</u>	Well No.: <u>341-M</u>	Pool Name, including Formation: <u>Blanco Mesa Verde</u>	Kind of Lease: <u>State, Federal or Fed</u>	Lease No.: <u>Federal NM 03553</u>
Location				
Unit Letter: <u>F</u>	<u>1850</u> Feet From The <u>North</u>	Line and: <u>1800</u>	Feet From The <u>West</u>	
Line of Section: <u>21</u>	Township: <u>26 North</u>	Range: <u>6 West</u>	N.M.P.M. <u>Rio Arriba</u>	County

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Giant Refinery Company</u>	<u>P.O. Box 256 Farmington, New Mexico</u>
Name of Authorized Transporter of Component Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Gas Company of New Mexico</u>	<u>1508 Pacific Ave. Dallas, Texas</u>
If well produces oil or liquids, give location of tanks.	Unit: <u>F</u> Sec: <u>21</u> Twp: <u>26N</u> Rng: <u>6W</u> Is gas actually connected? <u>No</u> When _____

If this production is commingled with that from any other lease or pool, give commingling order number \_\_\_\_\_

**IV. COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded: <u>6-26-83</u>	Date Compl. Ready to Prod.: <u>8-23-83</u>	Total Depth: <u>7440'</u>	P.S.T.D.: <u>7440'</u>					
Elevation (DF, RKB, RT, GR, etc.): <u>6675 GR</u>	Name of Producing Formation: <u>Mesa Verde</u>	Top Oil/Gas Pay: <u>5102'</u>	Tubing Depth: <u>5364'</u>					
Perforations: <u>5360' to 5102'</u>	Depth Casing Shoe: <u>7440'</u>							

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
<u>12 1/4"</u>	<u>9 5/8"</u>	<u>410'</u>	<u>300 sacks (354 Cu. Ft.)</u>
<u>7 5/8"</u>	<u>5 1/2"</u>	<u>7440'</u>	<u>1300 sacks (2004 Cu. Ft.)</u>
	<u>1 1/4"</u>	<u>5364'</u>	

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

Date First New Oil Ran To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)
Length of Test	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.

**GAS WELL**

Actual Prod. Test-MCF/D: <u>1,387</u>	Length of Test: <u>3 Hours</u>	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (back, back pr.): <u>Back Pressure</u>	Tubing Pressure (Shell-12): <u>801</u>	Casing Pressure (Shell-12): <u>1112</u>	Crate Size: <u>3/4"</u>

**CERTIFICATE OF COMPLIANCE**

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

Charles E. Verger  
(Signature)  
Superintendent

8-22-83  
(Date)

OIL CONSERVATION DIVISION  
SEP 30 1983

APPROVED \_\_\_\_\_

BY \_\_\_\_\_  
SUPERVISOR DISTRICT # 3

TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 6, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM THE Caulkins Oil Company

OPERATOR

Breech D

341-M

(F)21-26N-06W

LEASE

WELL UNIT

S - T - R

Blanco Mesaverde

Gas Company of New Mexico

POOL

NAME OF PURCHASER

WAS MADE ON 12-2-83

, FIRST DELIVERY 12-2-83

DATE

DATE

1387

INITIAL POTENTIAL

Gas Company of New Mexico  
PURCHASER

J. R. Large

REPRESENTATIVE

J.R. Large

Dispatch Manager

TITLE

/kn

cc: OPERATOR

New Mexico Oil Conservation Commission - Aztec

Minerals Management Service - Oil & Gas

Mr. E.R. Corliss, Engineering

Mr. R.J. McCrary, Gas Contracts Adm.

Prorations Dept., Albuquerque

Mr. Robert Utay, Gas Accounting

Mr. Joel Levine, Gas Supply

FORM 29-43 11-76

Chart Office, Kutz

Mr. Perry McFarland, Kutz

File

All distances must be from the outer boundaries of the section.

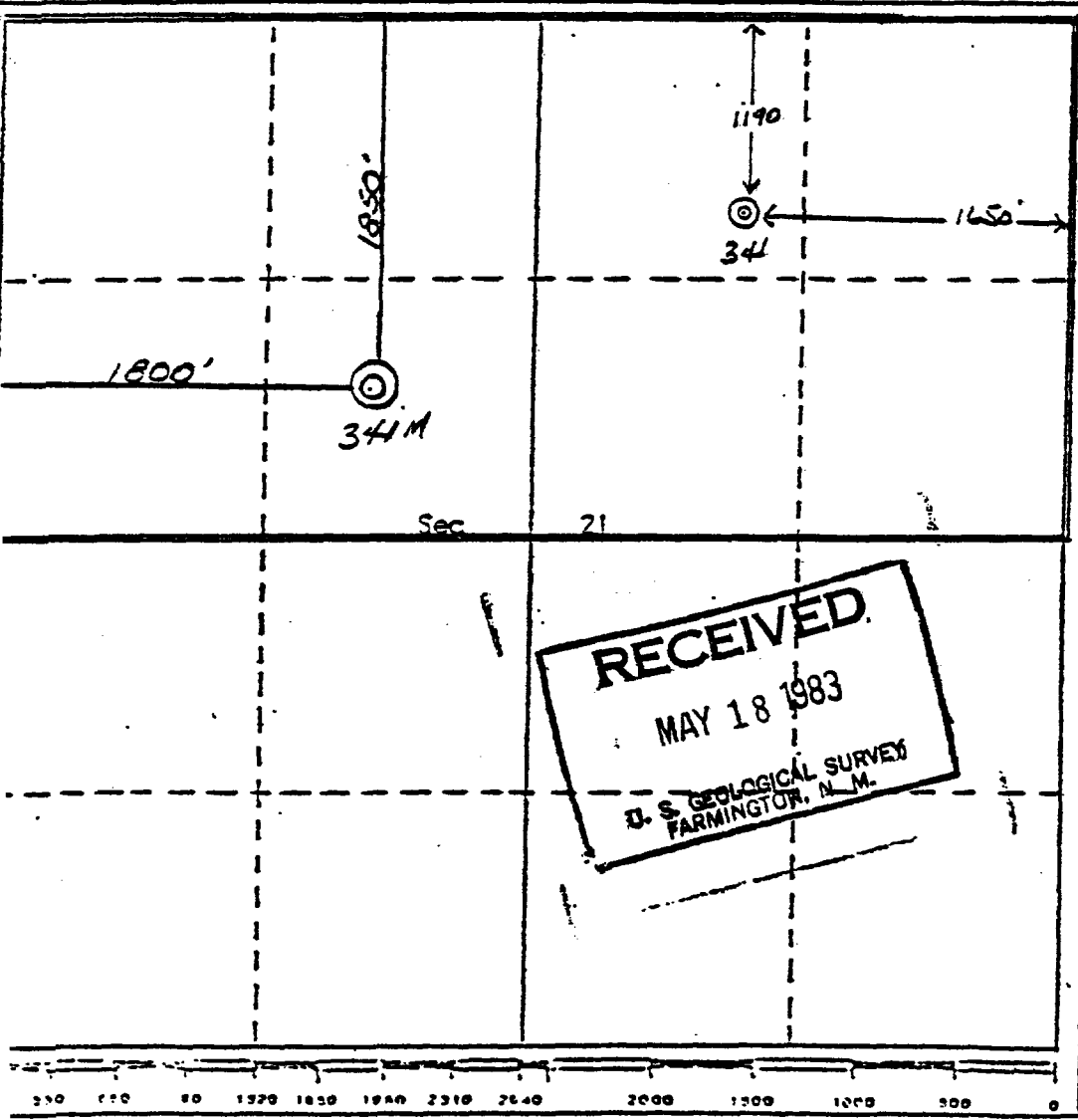
Operator <b>CAULKINS OIL COMPANY</b>		Lease <b>Breach "D"</b>		Well No. <b>341-M</b>	
Unit Letter <b>F</b>	Section <b>21</b>	Township <b>25N</b>	Range <b>6W</b>	County <b>Rio Arriba</b>	
Actual Postage Location of Wells <b>1850</b> feet from the <b>North</b> line and <b>1800</b> feet from the <b>West</b> line					
Ground Level Elev. <b>6675</b>	Producing Formation <b>Mesa Verde Dakota</b>		Pool <b>Blanco Mesa Verde-Basin Dakota</b>		Dedicated Acreage <b>320</b> Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



**CERTIFICATION**

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

*Charles E. Verquer*  
Name  
**Charles E. Verquer**

Position  
**Superintendent**

Company  
**Caulkins Oil Company**

Date  
**5-16-83**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

October 1983  
Date Surveyed  
*Curtis C. Stucking*  
Registered Professional Engineer  
and/or Land Surveyor  
5980  
Certificate No.

**REGISTERED LAND SURVEYOR**  
**CURTIS C. STUCKING**

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

## MESA VERDE

341 341-M Infil

Month	341		341-M	
	Production	Days On	Production	Days On
12-2-83	1,207	27	10,178	23
1-84	1,355	28	5,824	16
2-84	1,059	31	5,986	20
3-84	484	29	5,706	28
4-84	717	31	5,064	31
5-84	461	30	3,182	23
<hr/>				
Total	5,283	176	35,940	141

# CAULKINS OIL COMPANY

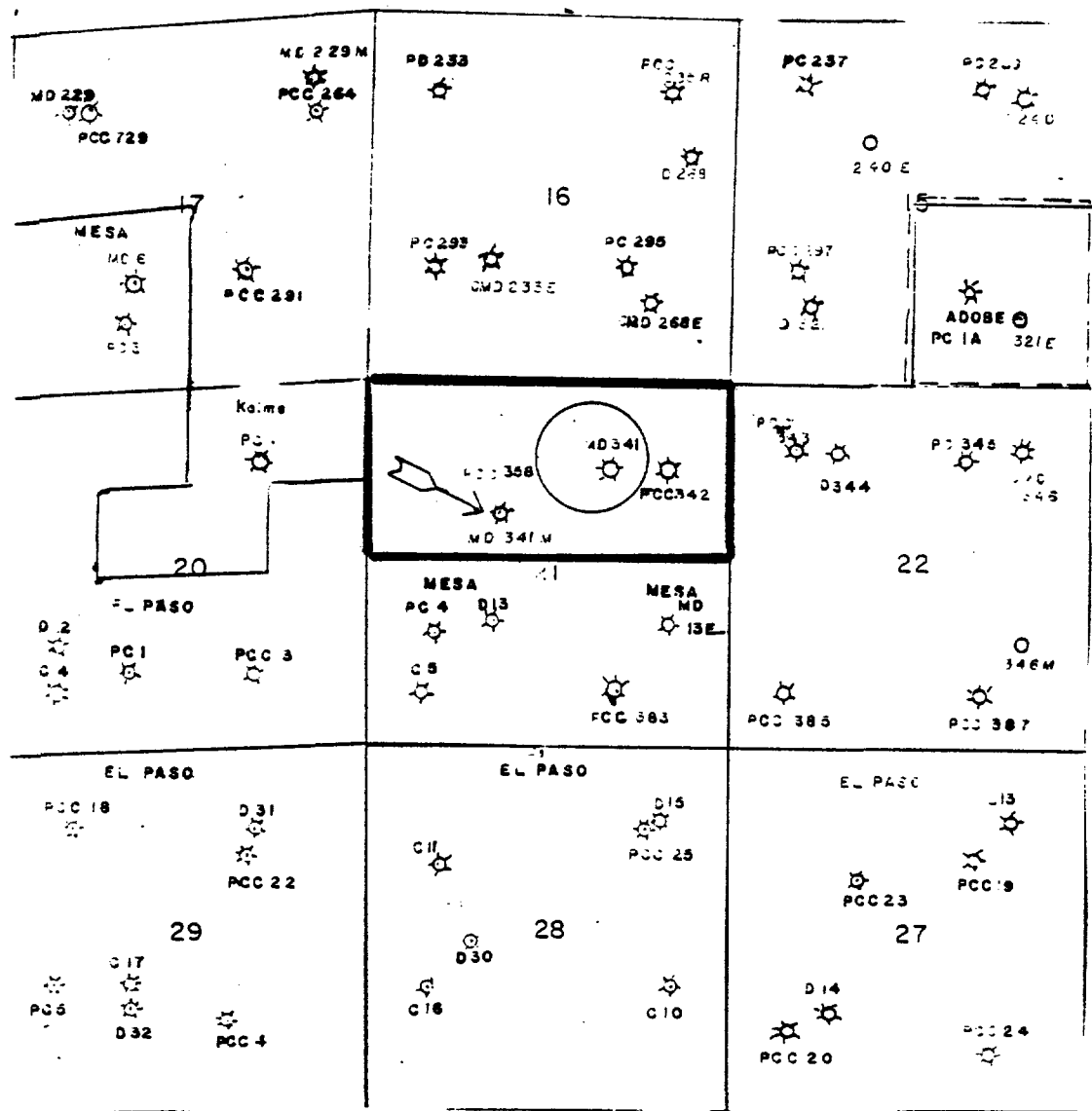
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 21-26N 6W, Rio Arriba County, N.M.

Well No. 341 - Original well Mesa Verde Zone, marked with circle.

Well No. 341-M - Infil well Mesa Verde Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK  
 DRILL       DEEPEN       PLUG BACK   
 2. TYPE OF WELL  
 OIL WELL       GAS WELL       OTHER       SINGLE ZONE       MULTIPLE ZONE

3. NAME OF OPERATOR  
 Caulkins Oil Company

4. ADDRESS OF OPERATOR  
 P.O. Box 780 Farmington, New Mexico

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface 1120' From South & 1520' From East  
 At proposed prod. zone Same

6. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 27 miles Southeast of Blanco, New Mexico

7. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 1650'

8. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 400'

9. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6146 GR.

3. LEASE DESIGNATION AND SERIAL NO.  
 NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Breech

9. WELL NO.  
 307 M

10. FIELD AND POOL, OR WILDCAT  
 S. Blanco PC-Otero Chacra  
 Blanco MV-Basin Dakota

11. SEC., T., R., M., OR BLE. AND SURVEY OR AREA  
 Sec. 13 26N 7W

12. COUNTY OR PARISH 13. STATE  
 Rio Arriba New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)  
 1650'

16. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.  
 400'

18. NO. OF ACRES IN LEASE  
 2400

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

19. PROPOSED DEPTH  
 6850'

20. ROTARY OR CABLE TOOLS  
 Rotary

22. APPROX. DATE WORK WILL START  
 July 4, 1983

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30#	300'	250 Sacks
7 7/8"	5 1/2"	15.5 & 17#	6850'	1300 Sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 6850' using 9.0 Gel based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recorded on daily drilling report.

New 9 5/8" 32.30# surface casing will be set approx. 300' and cemented with sufficient cement to circulate to surface.

(over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Charles W. [Signature] TITLE Superintendent DATE 12-6-82

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
 DRILLING OPERATIONS AUTHORIZED ARE  
 SUBJECT TO COMPLIANCE WITH ATTACHED  
 "GENERAL REQUIREMENTS"

This action is subject to administrative  
 appeal pursuant to 30 CFR 290.

OPERATOR

AE [Signature]  
 JAN 21 1983  
 JAMES F. SIMS  
 DISTRICT ENGINEER

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

★ U.S. GOVERNMENT PRINTING OFFICE: 1981-O-711-398

New 5 1/2" 15.5 & 17# casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Chacra Sands.

Centralizers will be run on casing thru Pictured Cliffs Chacra, Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Subject to approval by Minerals Management Service and New Mexico Oil Conservation Division. Well will be dual completed with Mesa Verde-Dakota commingled zone below packer and commingled Pictured Cliffs-Chacra above packer.

New 2 1/16" LJ Tubing will be run for Pictured Cliffs-Chacra commingled zone.

New 2 1/16" LJ tubing will be run for Mesa Verde-Dakota commingled zone.

Gas produced from this well contracted to Gas Company of New Mexico.

### Estimated Formation Tops:

Alamo	1573'
Pictured Cliffs	2326'
Chacra	3213'
Cliff House	3993'
Point Lookout	4612'
Gallup	5910'
Greenhorn	6537'
Graneros	6631'
Dakota	6733'

BEFORE THE	
OIL CONSERVATION COMMISSION	
Santa Fe, New Mexico	
Case No. <u>9267</u>	Exhibit No. <u>7</u>
Submitted by <u>Caulkins</u>	
Hearing Date <u>1/12/84</u>	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESV.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1120' From South- & 1520' From East  
At top prod. interval reported below Same  
At total depth Same

14. PERMIT NO. DATE ISSUED  
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.  
NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breech

9. WELL NO.  
307-M

10. FIELD AND POOL, OR WELDCAT  
Blanco Mesa Verde

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Sec. 13 26 North 7 West  
12. COUNTY OR PARISH  
Rio Arriba  
13. STATE  
New Mexico

15. DATE SPUDDED 7-30-83 16. DATE T.D. REACHED 8-9-83 17. DATE COMPL. (Ready to prod.) 9-21-83 18. ELEVATIONS (DP, RES, RT, GR, ETC.)\* 6146 GR 19. ELEV. CASINGHEAD 6888'

20. TOTAL DEPTH, MD & TVD 6888' 21. PLUG, BACK T.D., MD & TVD 6888' 22. IF MULTIPLE COMPL., HOW MANY\* (4) FOUR 23. INTERVALS DRILLED BY 0-6888 ROTARY TOOLS CABLE TOOLS No

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 4534' to 4756' (Mesa Verde) 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray Neutron Log 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
9 5/8"	36# H-40	610'	12 1/4"	500 sacks (590 Cu.Ft.)	None
5 1/2"	15.5 & 17#	6888'	7 7/8"	1400 sacks (2122 Cu.Ft.)	None

29. LINE RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/4"	6682'	3337'

31. PREPARATION RECORD (Interval, size and number)

1-.42-4534	1-.42-4662	1-.42-4756
1-.42-4566	1-.42-4668	
1-.42-4580	1-.42-4692	
1-.42-4618	1-.42-4698	
1-.42-4644	1-.42-4740	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4534' to 4756	80,000# 20-40 sand and 1472 bbls. 20# Gel Fluid.

33.\* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)
9-28-83	Flowing	Shut-in

DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
9-28-83	3 HOURS	3/4"			86		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
137	PKR			689		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS  
Complete Cementing Records

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

SIGNED Charles Vergara TITLE Superintendent OCT 9 28 83 OCT 05 1983

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

OPERATOR

FARMINGTON RESOURCE AREA  
BY Sm

ACCEPTED FOR RECORD

# 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 23, 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.)

**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 PRESSURE, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS	
				NAME	TOP
				MEAS. DEPTH	TRUE VERT. DEPTH
Alamo	1510	1798	Water Sand	1510	1510
Pictured Cliffs	2274	2372	Gas Sand	2274	2274
Chacra	3224	3326	Gas Sand	3224	3224
Mesa Verde	4204	4765	Gas Sand	4204	3204
Dakota	6642	6830	Gas Sand	6642	6642
			Hole Deviation Test		
		Depth	Degrees		
		615	2		
		1104	2 1/2		
		1618	2 3/4		
		2427	2 3/4		
		2887	2 1/2		
		3295	2		
		3784	2		
		4290	1 1/2		
		4803	2		
		5228	1 3/4		
		5725	1 3/4		
		6231	1 1/2		

**38.**

307-M

Ran 5 1/2" Production Casing as follows:

6888' to 127'	(6541')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
127' to Surface	( 127')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 4812' and 3378'.

Cement Baskets run in Casing string at 4944' and 3393'.

Centralizers run on Casing string at following points:

6847', 6806', 6764', 6722', 6681', 6640', 6598', 6556', 6514', 6473', 6431', 6390', 6349', 6307', 4851', 4771', 4733', 4697', 4656', 3418', 3338', 3297', 2425', 2387', 2345' and 2305'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 6888' with 250 sacks (412.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 10:45 PM 8-9-83.

Second Stage cemented thru Stage Tool set at 4812' with 150 sacks (247.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat cement.  
Plug down 11:45 PM 8-9-83.

Third Stage cemented thru Stage Tool set at 3378' with 600 sacks (990 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 200 sacks (236 Cu.Ft.) Neat Cement.  
Plug down 1:30 AM 8-10-83.

Circulated approx 5 bbl. slurry from both first and second stages.

Circulated no cement from third stage. Cement top 925' Temperature Survey attached.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
REGISTRATION OFFICE	

I. Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well  Change in Transporter of:  
 Recompletion  Oil  Dry Gas   
 Change in Ownership  Condensate

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name Breech	Well No. 307-M	Pool Name, including Formation Basin Dakota-Blanco Mesa Verde	Kind of Lease State, Federal or Fee Federal	Lease No. NM03733
Location Unit Letter <u>0</u> ; <u>1120</u> Feet From The <u>South</u> Line and <u>1520</u> Feet From The <u>East</u>				
Line of Section <u>13</u> Township <u>26 North</u> Range <u>7 West</u> N.M.P.M. Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Giant Refinery Company	Address (Give address to which approved copy of this form is to be sent.) P.O. Box 256 Farmington, New Mexico
Name of Authorized Transporter of Condensate Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Gas Company of New Mexico	Address (Give address to which approved copy of this form is to be sent.) 1508 Pacific Ave. Dallas, Texas
If well produces oil or liquids, give location of tanks.	Unit <u>0</u> Sec. <u>13</u> Twp. <u>26N</u> Rge. <u>7W</u> Is gas actually connected? <u>No</u> When _____

If this production is commingled with that from any other lease or pool, give commingling order number \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Some Reelv.	Full Reelv.
		X	X					
Date Spudded 7-30-83	Date Compl. Ready to Prod. 9-21-83	Total Depth 6888'	P.S.T.D. 6888'					
Elevation (DF, RKB, RT, GR, etc.) 6164 GR	Name of Producing Formation Mesa Verde-Dakota	Top Oil/Gas Pay 4534'	Tubing Depth 6682'					
Perforations 4534' to 4756' (Mesa Verde) 6652' to 6818' (Dakota)			Depth Casing Shoe 6682'					

TUBING, CASING, AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/4"	9 5/8"	615'	500 sacks(590 Cu.Ft.)
7 7/8"	5 1/2"	6888'	1400 sacks(2122 Cu.Ft.)
	1 1/4"	6682'	

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

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	WEU 111
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil - Bbls.	Water - Bbls.	Gas - MCF

GAS WELL

Actual Prod. Test - MCF/D 2,110	Length of Test 3 Hours	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (press. back pr.) Back Pressure	Tubing Pressure (Shut-In) 1415	Casing Pressure (Shut-In) PKR	Choke Size 3/4"

VI. CERTIFICATE OF COMPLIANCE

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

Charles W. Brown  
(Signature)  
Superintendent  
(Title)  
9-29-83  
(Date)

OIL CONSERVATION DIVISION  
APPROVED 10/15/83  
BY John W. Cherry  
TITLE INSPECTOR DISTRICT #1

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE November 21, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company

OPERATOR

Breach

307-M

(O) 13-26N-07W

LEASE

WELL UNIT

S-T-R

\*Blanco Mesa Verde

Gas Company of New Mexico

POOL

NAME OF PURCHASER

WAS MADE ON 11-16-83

FIRST DELIVERY 11-16-83

DATE

DATE

689

INITIAL POTENTIAL

\*Downhole Commingled with Basin Dakota

/kn

Gas Company of New Mexico  
PURCHASER

cc: OPERATOR

New Mexico Oil Conservation Commission - Aztec

Minerals Management Service - Oil & Gas

Mr. E.R. Corliss, Engineering

Mr. R.J. McCrary, Gas Contracts Adm.

Prorations Dept., Albuquerque

Mr. Robert Utay, Gas Accounting

Mr. Joel Levine, Gas Supply

Chart Office, Kutz

Mr. Perry McFarland, Kutz

File

*J.R. Large*

REPRESENTATIVE

J.R. Large

Dispatch Manager

TITLE

All distances must be from the outer boundaries of the Section

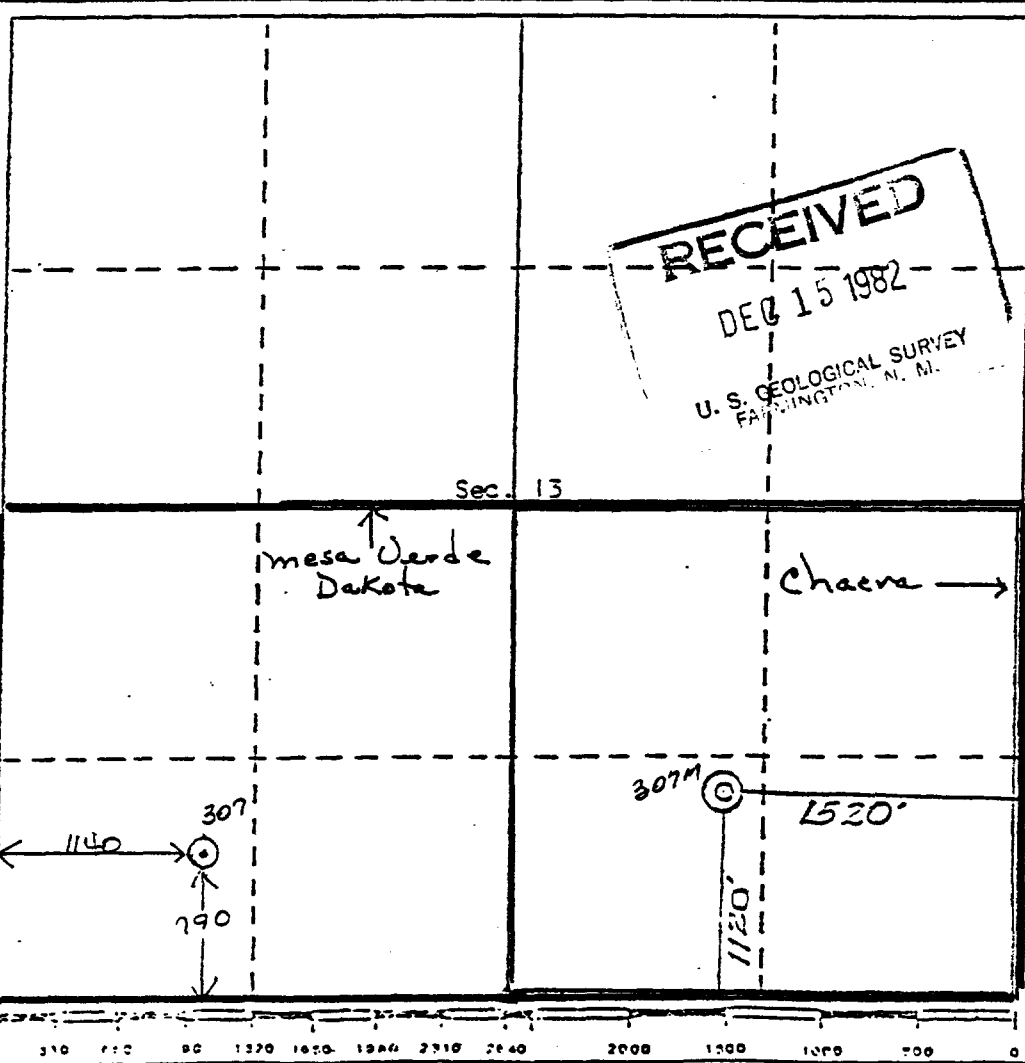
Operator <b>CAULKINS OIL COMPANY</b>		Lease <b>Breach</b>			Well No. <b>397-M</b>
Unit Letter <b>C</b>	Section <b>13</b>	Township <b>26 NORTH</b>	Range <b>7 WEST</b>	County <b>RIO ARRIBA</b>	
Actual Footage Location of Well:					
1120 feet from the SOUTH		line and	1520	feet from the	EAST line
Ground Level Elev. <b>5746.0</b>	Producing Formation <b>PC-Chacra-Mesa Verde-Dakota</b>	Pool <b>South Blanco PC-Otero Chacra Blanco MV-Basin Dakota</b>		Dedicated Acreage: <b>160 PC &amp; Chacra 820 MV &amp; Dakota Acres</b>	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



**CERTIFICATION**

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

*Charles Verquer*  
Name  
**Charles Verquer**  
Position  
**Superintendent**  
Company  
**Caulkins Oil Company**  
Date  
**12-13-82**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

21 Oct 1982  
Date Surveyed  
NEW MEXICO  
Registered Professional Engineer and/or Land Surveyor  
**Curtis C. Stocking**  
Certificate No. 5980



# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

## MESA VERDE

307 307-M Infil

307

307-M

Month	Production	Days On	Production	Days On
11-16-83	682	31	Shut-In	
12-83	578	28	18,528	28
1-84	584	29	4,520	24
2-84	453	31	3,843	27
3-84	397	29	3,882	28
4-84	453	31	3,418	31
5-84	347	30	2,425	23
<b>Total</b>	<b>3,494</b>	<b>209</b>	<b>36,616</b>	<b>161</b>

# CAULKINS OIL COMPANY

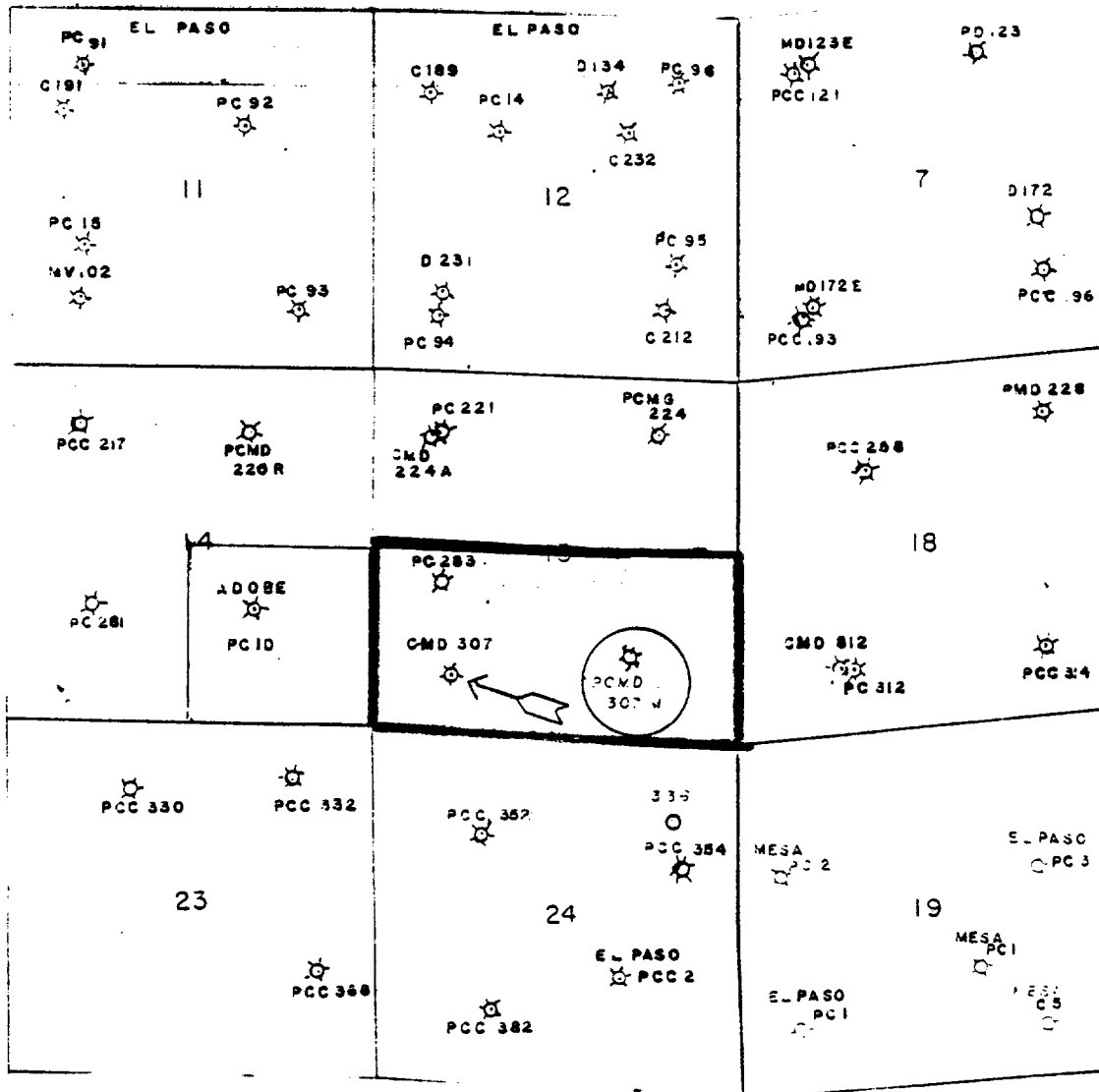
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: South half of Section 13 26N 7W, Rio Arriba County, N.M.

Well No. 307 - Original well Mesa Verde Zone, marked with circle.

Well No. 307-M - Infil well Mesa Verde Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



P or PC = Pictured Cliffs Completion  
 C = Chacra Completion  
 M or MV = Mesa Verde Completion  
 D = Dakota Completion

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OPERATOR	

5A. Indicate Type of Lease  
STATE  FEE

5. State Oil & Gas Lease No.  
E 291 17

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		7. Unit Agreement Name
b. Type of Well OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input checked="" type="checkbox"/>		8. Form or Lease Name State A
2. Name of Operator Caulkins Oil Company		9. Well No. 62 M
3. Address of Operator P.O. Box 780, Farmington, New Mexico 87499		10. Field and Pool or Wildcat Basin Dakota Blanco Mesa Verde
4. Location of Well UNIT LETTER <u>D</u> LOCATED <u>1040</u> FEET FROM THE <u>North</u> LINE AND <u>1120</u> FEET FROM THE <u>West</u> LINE OF SEC. <u>2</u> TWP. <u>26 N</u> RGE. <u>6 W</u> NMBM		12. County Rio Arriba
19. Proposed Depth 7600'		19A. Formation Dakota
20. Rotary or C.T. Rotary		
21. Elevations (Show whether D.F., R.T., etc.) 6592 Gr.	21A. Kind & Status Plug. Bond	21B. Drilling Contractor Aztec Well Service
		22. Approx. Date Work will start May 1, 1983

PROPOSED CASING AND CEMENT PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	SACKS OF CEMENT	EST. TOP
13 3/4"	9 5/8"	32.30	300'	250(293 CuFt)	Surface
7 7/8"	5 1/2"	15.5 & 17	7600'	1400(2000 CuFt)	Surface

It is proposed to drill Dakota Infill well to approx. 7600'. 5 1/2" 15.5# and 17# sml. casing to be run to TD and cemented in 3 stages with sufficient cement to circulate to surface.

Well will be drilled with 9.0# fluids surface to TD. A 10" 3000# WP, 6000# test BOP will be in use at all times while drilling below surface pipe.

This acreage dedicated to Gas Company of New Mexico.

Subject to Approval by OCD, well will be Dual Completed, with packer set between Dakota and Mesa Verde zones. Both zones will be perforated and sand-water frac'ed individually to stimulate production.

**RECEIVED**  
MAR 15 1983

OIL CON. DIV.  
DIST. 3

ABOVE SPACE DESCRIBE PROPOSED PROGRAM IF PROPOSAL IS TO DEEPEN OR PLUG BACK. GIVE DATA ON PROPOSED PROGRAM, IF ANY.

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

Signed Charles E. Weaver Title Superintendent Date 3-14-83

(This space for State Use)

SUPERVISOR DISTRICT # 3

MAR 15 1983

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

APPROVED Sept. 15, 1983  
USE \_\_\_\_\_  
SIGNED \_\_\_\_\_  
SUBMITTED \_\_\_\_\_

OIL CONTROL BOARD COMMISSION

Santa Fe, New Mexico

Case No. 8267 Exhibit No. 8

Submitted by Carburetors

Hearing Date 9/11/84

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OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

Form O-105  
Revised 11-66

RECEIVED  
AUG 11 1983  
OIL CON. DIV.  
DIST. 3

19. Indicate Type of Lease  
State  Fee   
20. State Oil & Gas Lease No.  
E-291-17

17. TYPE OF WELL  
OIL WELL  GAS WELL  DRY  OTHER   
18. TYPE OF COMPLETION  
NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESVR.  OTHER

2. Name of Operator  
Caulkins Oil Company  
3. Address of Operator  
P.O. Box 780 Farmington, New Mexico

4. Location of Well  
UNIT LETTER D LOCATED 1040 FEET FROM THE North LINE AND 1120 FEET FROM  
THE West LINE OF SEC. 2 TWP. 26N RGE. 6W NMPM  
12. County  
Rio Arriba

15. Date Spudded 5-14-83 16. Date T.D. Reached 5-26-83 17. Date Compl. (Ready to Prod.) 7-7-83 18. Elevations (DF, RKB, RT, GR, etc.) 6592 GR 19. Elev. Casinghead 6592

20. Total Depth 7612 21. Plug Back T.D. 7612 22. If Multiple Compl., How Many (2) Two 23. Intervals Drilled By: Rotary Tools 0-7612 Cable Tools No

24. Producing interval(s), of this completion - Top, Bottom, Name  
5518 - 4877 Mesa Verde 25. Was Directional Survey Made No

26. Type Electric and Other Logs Run  
ES Gamma Ray and Gas Spectrum 27. Was Well Cored No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36# H-40	403'	13 3/4"	354 Cu. Ft. (300 Sacks)	None
5 1/2"	15.5 & 17#	7612'	7 7/8"	2004 Cu. Ft. (1300 Sacks)	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
1 1/4"	5475'	5654'

31. Perforation Record (Interval, size and number)

Interval	Size	Number
1-.42-5518	1-.42-5378	1-.42-4877
1-.42-5492	1-.42-5354	
1-.42-5466	1-.42-5273	
1-.42-5414	1-.42-5218	
1-.42-5392	1-.42-4882	

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5518 - 4877	78,000# 20-40 Sand and 1365 bbls. 20# Gel Water

33. PRODUCTION

Date First Production 7-14-83 Production Method (*Flowing, gas lift, pumping - Size and type pump*) Flowing Well Status (*Prod. or Shut-in*) Shut-in

Date of Test	Hours Tested	Choke Size	Prod'n. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
7-14-83	3 Hours	3/4"			92		

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)
40	397			736		

34. Disposition of Gas (*Sold, used for fuel, vented, etc.*)  
Gas to be sold to Gas Company of New Mexico (Condensated to Shell Oil Co.) Test Witnessed By

35. List of Attachments  
Complete Cementing records

I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Charles Vergara TITLE Superintendent DATE 7-18-83

From	To	Thickness in Feet	Formation
0	2537	2537	Sand and Shale
2537	2660	123	Water and Shale
2660	3111	451	Sand and Shale
3111	3180	69	Gas Sands
3180	4825	1645	Sand and Shale
4825	4855	30	Gas Sands
4855	5351	496	Sand and Shale
5351	5473	122	Gas Sands
5473	7348	1875	Sand and Shale
7348	7612	264	Gas Sands

FORMATION RECORD (Attach additional sheets if necessary)

No. 1, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 2, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 3, from \_\_\_\_\_ to \_\_\_\_\_ feet.

No. 4, from \_\_\_\_\_ to \_\_\_\_\_ feet.

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

IMPORTANT WATER SANDS

No. 1, from \_\_\_\_\_ to \_\_\_\_\_

No. 2, from \_\_\_\_\_ to \_\_\_\_\_

No. 3, from \_\_\_\_\_ to \_\_\_\_\_

No. 4, from \_\_\_\_\_ to \_\_\_\_\_

No. 5, from \_\_\_\_\_ to \_\_\_\_\_

No. 6, from \_\_\_\_\_ to \_\_\_\_\_

OIL OR GAS SANDS OR ZONES

T. Anyh Canyon	T. Ojo Alamo	2537	T. Penn. "B"
T. Salt Strawn	T. Kirtland-Fruitland	2660	T. Penn. "C"
T. Salt Moka	T. Pictured Cliffs	3111	T. Penn. "D"
T. Yates Miss	T. Cliff House	4825	T. Leadville
T. 7 Rivers Devonian	T. Menace	4855	T. Madison
T. Queen Silurian	T. Point Lookout	5351	T. Eibert
T. Gayburg Montoya	T. Mimcos	5473	T. McCracken
T. San Andres Simpson	T. Gallup	6676	T. Ignacio Ortiz
T. Giorleta McKee	T. Base Greenhorn	7320	T. Granite
T. Paddock Ellenburger	T. Dakota	7348	
T. Blinney Gr. Wash	T. Morrison		
T. Tubb Granite	T. Todillo		
T. Drinkard Delaware Sand	T. Enriquez		
T. Abo Bone Springs	T. Wingate		
T. Wolfcamp	T. Chinle		
T. Penn.	T. Permian		
T. Cisco (Bough C)	T. Penn. "A"		

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

This form to be filed with the appropriate District Office of the Commission not later than 30 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all reports and logs on the well and a summary of all special tests completed, including depth down casing. All reports reported shall be measured top to top in the case of irregularly drilled wells; two vertical depths shall also be reported for such wells. Form to be filed in duplicate except on state land, where six copies are required. See Rule 116.

Ran 5 1/2" Production Casing as follows:

7612' to 6609'	(1003')	New 5 1/2"	17#	ST&C	K-55 Smls Casing
6609' to 5579'	(5579')	New 5 1/2"	15.5#	LT&C	K-55 Smls Casing
1030' to Surface	(1030')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 5608' and 3446'.

Cement Baskets run on Casing string at 5692' and 3530'.

24 Centralizers run on Casing string at following points:

7570', 7529', 7487', 7444', 7402', 7361', 7320', 7278', 7236', 7193', 7151', 7113', 7071', 7029', 5649', 5568', 5525', 5483', 5443', 5400', 5361', 5320', 3487' and 3404'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 7612' with 412.50 Cu.Ft. (250 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.  
Plug down first stage 8:20 PM 5-27-83

Second Stage cemented thru Stage Tool set at 5608' with 412.50 Cu.Ft. (250 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.  
Plug down second stage 9:30 PM 5-27-83

Third Stage cemented thru Stage Tool set at 3446'. With 825 Cu.Ft. (500 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu.Ft. (100 sacks) Neat Cement.  
Plug down third stage 11:00 PM 5-27-83

Cement circulated on all three Stages.

Approx 2 bbls. slurry on first stage.  
Approx 1 bbls. slurry on second stage.  
Approx 5 bbls. slurry on third stage.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PRODUCTION OFFICE	

I. Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well	<input type="checkbox"/>	Change in Transporter of:			
Recompletion	<input type="checkbox"/>	Oil	<input type="checkbox"/>	Dry Gas	<input type="checkbox"/>
Change in Ownership	<input type="checkbox"/>	Casinghead Gas	<input type="checkbox"/>	Condensate	<input checked="" type="checkbox"/>

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>State "A"</u>	Well No. <u>62 M</u>	Pool Name, Including Formation <u>Blanco Mesa Verde</u>	Kind of Lease <u>State, Federal or Fee State</u>	Lease No. <u>E-291-17</u>
Location Unit Letter <u>D</u> ; <u>1040</u> Feet From The <u>North</u> Line and <u>1120</u> Feet From The <u>West</u>				
Line of Section <u>2</u> Township <u>26 North</u> Range <u>6 West</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> <u>Giant Refinery Company</u>	Address (Give address to which approved copy of this form is to be sent) <u>P.O. Box 256 Farmington, New Mexico</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> <u>Gas Company of New Mexico</u>	Address (Give address to which approved copy of this form is to be sent) <u>1508 Pacific Ave. Dallas, Texas</u>
If well produces oil or liquids, give location of tanks. Unit <u>D</u> Sec. <u>2</u> Twp. <u>26 N</u> Rge. <u>6 W</u>	Is gas actually connected? <u>No</u> When _____

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Date Spudded <u>5-14-83</u>	Date Compl. Ready to Prod. <u>7-7-83</u>	Total Depth <u>7612'</u>	P.B.T.D. <u>7612'</u>					
Elevations (DF, RKB, RT, GR, etc.) <u>6592 GR</u>	Name of Producing Formation <u>Mesa Verde</u>	Top Oil/Gas Pay <u>4877'</u>	Tubing Depth <u>5475'</u>					
Perforations <u>5518' - 4877' Mesa Verde</u>							Depth Casing Shoe <u>7612'</u>	
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET		SACKS CEMENT				
<u>13 3/4"</u>	<u>9 5/8"</u>	<u>403'</u>		<u>354 Cu.Ft. (300 sacks)</u>				
<u>7 7/8"</u>	<u>5 1/2"</u>	<u>7612'</u>		<u>2004 Cu.Ft. (1300 sacks)</u>				
	<u>1 1/4"</u>	<u>5475'</u>						

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

GAS WELL

Actual Prod. Test-MCF/D <u>7.36</u>	Length of Test <u>3 Hours</u>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.) <u>Back Pressure</u>	Tubing Pressure (shut-in) <u>925</u>	Casing Pressure (shut-in) <u>928</u>	Choke Size <u>3/4"</u>

VI. CERTIFICATE OF COMPLIANCE

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

Charles E. Carpenter  
(Signature)  
Superintendent  
(Title)  
8-8-83  
(Date)

OIL CONSERVATION DIVISION  
9-23-83 SEP 23 1983  
APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY John D. [Signature]  
SUPERVISOR DISTRICT # 3  
TITLE \_\_\_\_\_

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

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

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



OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 15, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company  
OPERATOR

State A 62-M (D)02-26N-06W  
LEASE WELL UNIT S - I - R

Blanco Mesaverde Gas Company of New Mexico  
POOL NAME OF PURCHASER

WAS MADE ON 12-13-83 , FIRST DELIVERY 12-13-83  
DATE DATE

736  
INITIAL POTENTIAL

Gas Company of New Mexico  
PURCHASER

J. R. Large  
REPRESENTATIVE  
J.R. Large  
Dispatch Manager  
TITLE

/kn

cc: OPERATOR  
New Mexico Oil Conservation Commission - Aztec  
Minerals Management Service - Oil & Gas  
Mr. E.R. Corliss, Engineering  
Mr. R.J. McCrary, Gas Contracts Adm.  
Mr. Robert Utay, Gas Accounting  
Mr. Joel Levine, Gas Supply  
Progrations Dept., Albuquerque  
Chart Office, Kutz  
Mr. Perry McFarland, Kutz  
File

Distances must be from the outer boundaries of the section.

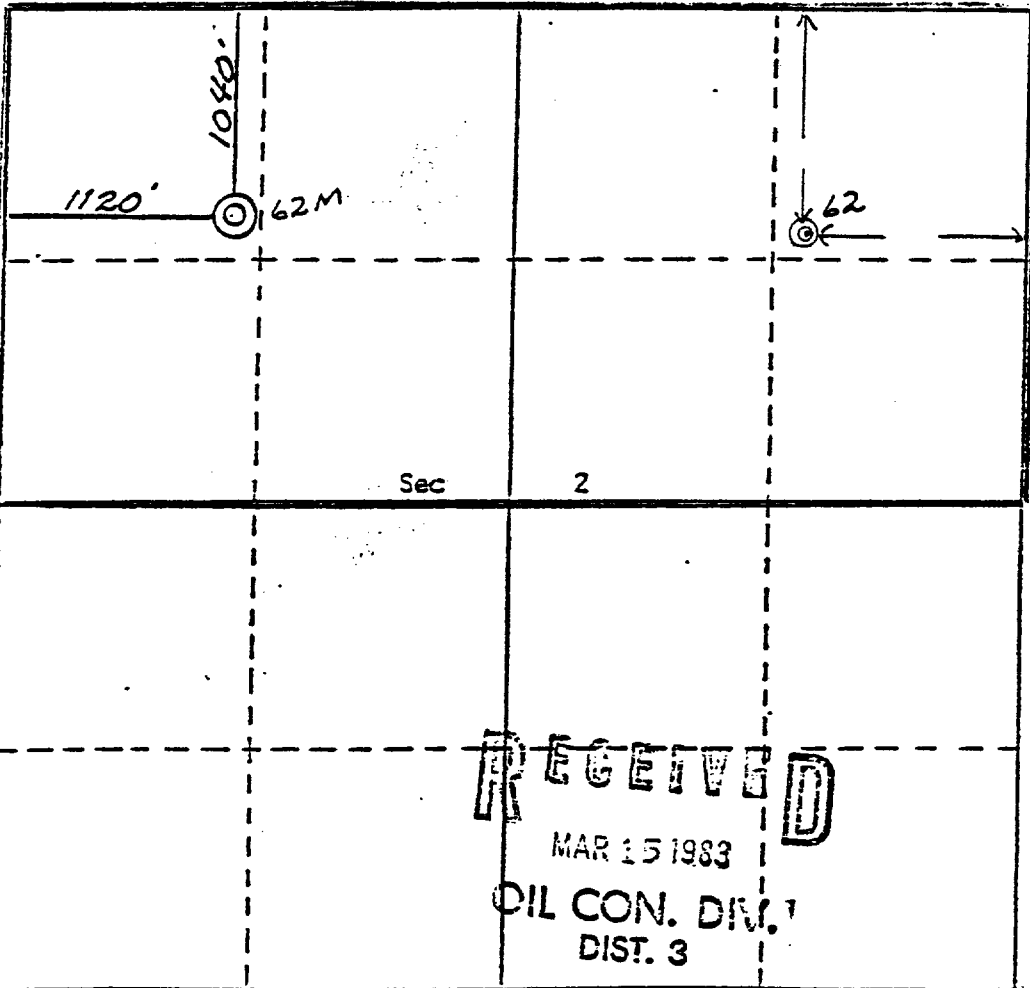
Operator CAULKINS OIL COMPANY			Lease State "A"		Well No. 62-M
Unit Letter D	Section 2	Township 25N	Range 6W	County Rio Arriba	
Actual Footage Location of Wells 1040 feet from the North line and 1120 feet from the West line					
Ground Level Elev. 6592	Producing Formation Mesa Verde - Dakota		Pool Blanco Mesa Verde - Basin Dakota	Dedicated Acreage: 32.3 Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division.



**RECEIVED**  
MAR 15 1983  
OIL CON. DIV.  
DIST. 3

**CERTIFICATION**

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

*Charles Verquer*  
Charles Verquer

Name: \_\_\_\_\_  
Superintendent

Position: \_\_\_\_\_  
Caulkins Oil Company

Company: \_\_\_\_\_  
3-4-83

Date: \_\_\_\_\_

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

October 1950 LAND SURVEYOR  
Curtis L. Stocking  
Registered Professional Engineer  
and/or Land Surveyor  
5980  
Certificate No. \_\_\_\_\_

0 330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960 4290 4620 4950 5280 5610 5940 6270 6600

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

## MESA VERDE

62 62-M Infil

Month	Production	62 Days On	Production	62-M Days On
12-13-83	1,753	29	2,608	12
1-84	Shut-in		3,129	24
2-84	1,323	11	1,990	31
3-84	4,108	19	7,339	23
4-84	1,278	10	2,394	31
5-84	1,447	19	1,506	30
Total	9,909	88	18,966	151

# CAULKINS OIL COMPANY

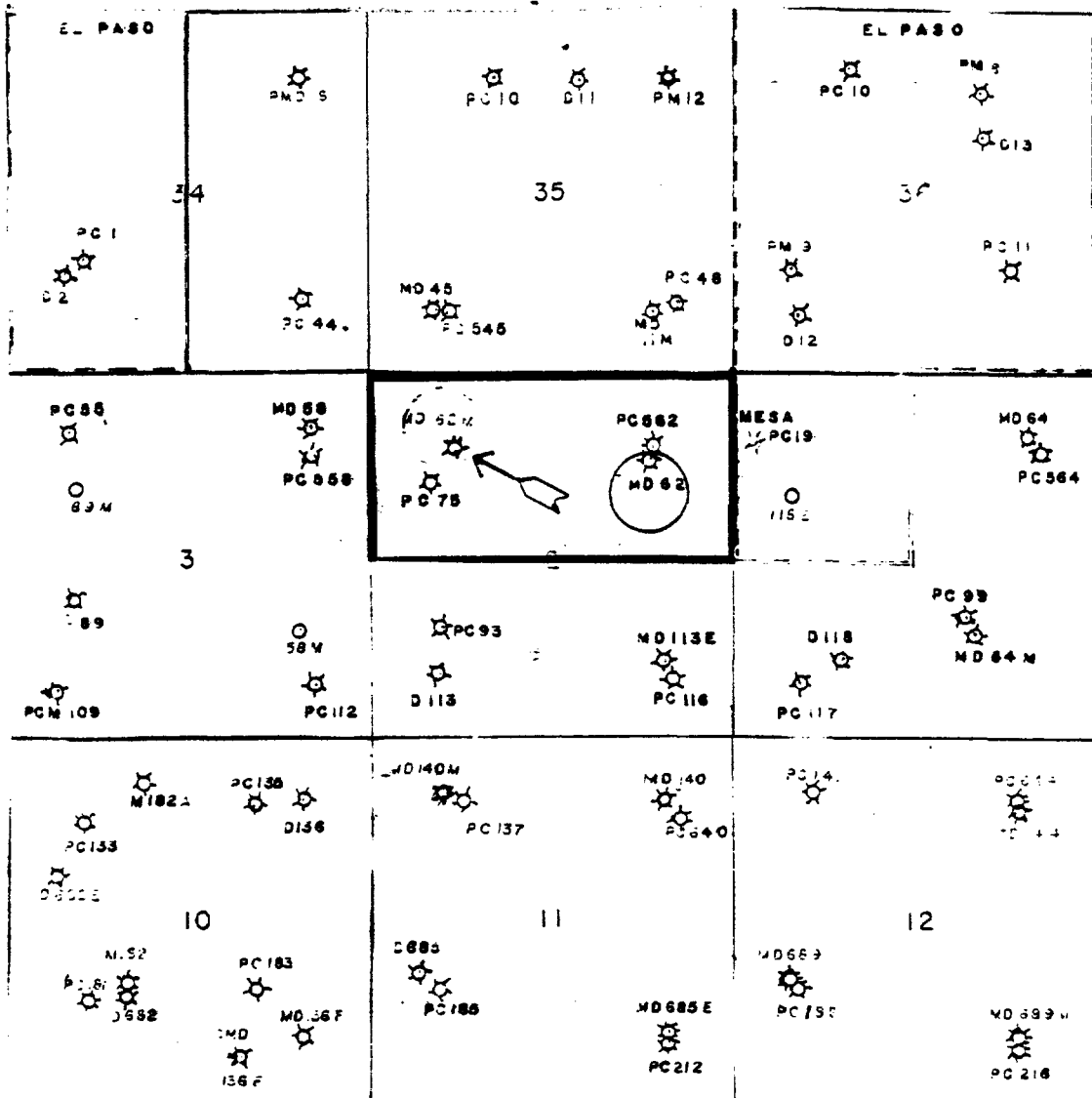
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 2 26N 6W, Rio Arriba County, N.M.

Well No. 62 - Original well Mesa Verde Zone, marked with circle.

Well No. 62-M - Infil well Mesa Verde Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL                       DEEPEN                       PLUG BACK   
 b. TYPE OF WELL  
 OIL WELL                       GAS WELL                       OTHER   
 SINGLE ZONE                       MULTIPLE ZONE

2. NAME OF OPERATOR  
 Caulkins Oil Company

3. ADDRESS OF OPERATOR  
 P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)  
 At surface 1120' From South & 1520' From East  
 At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 27 miles Southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. unit line, if any)  
 1650'

18. NO. OF ACRES IN LEASE  
 2400

17. NO. OF ACRES ASSIGNED TO THIS WELL  
 320

19. PROPOSED DEPTH  
 6850'

20. ROTARY OR CABLE TOOLS  
 Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)  
 6146 GR.

22. APPROX. DATE WORK WILL START  
 July 4, 1983

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30#	300'	250 Sacks
7 7/8"	5 1/2"	15.5 & 17#	6850'	1300 Sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 6850' using 9.0 Gal based mud. Float will be run in drill pipe at bit. ES Induction Log will be run in open hole if possible.

A Schaeffer 10" Modal LWP 6000# test BOP will be in use at all times while drilling below surface casing. BOP will be tested at least one time during each 24 hour period and results recorded on daily drilling report.

New 9 5/8" 32.30# surface casing will be set approx. 300' and cemented with sufficient cement to circulate to surface.

(over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Charles W. [Signature] TITLE Superintendent DATE 12-6-82

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:  
 DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"

This action is subject to administrative appeal pursuant to 30 CFR 290.

OPERATOR

AE [Signature]  
 JAMES F. SIMS  
 DISTRICT ENGINEER

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 03733  
 6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
 7. UNIT AGREEMENT NAME  
 8. FARM OR LEASE NAME  
 Breech  
 9. WELL NO.  
 307 M  
 10. FIELD AND POOL OR WILDCAT  
 Blanco PC-Otero Chacra  
 Blanco MV-Basin Dakota  
 11. SEC., T., R., M., OR BLM. AND SURVEY OR AREA  
 Sec. 13 26N 7W  
 12. COUNTY OR PARISH  
 Rio Arriba  
 13. STATE  
 New Mexico

RECEIVED  
 DEC 15 1982  
 U.S. GEOLOGICAL SURVEY  
 FARMINGTON, N. M.

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 18:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 22:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

\* U.S. GOVERNMENT PRINTING OFFICE : 1983-O-711-308

New 5 1/2" 15.5 & 17# casing will be cemented in 3 stages with tools set below Point Lookout Sands and below Chacra Sands.

Centralizers will be run on casing thru Pictured Cliffs Chacra, Mesa Verde and Dakota Zones.

All zones will be perforated and fractured to stimulate production.

Subject to approval by Minerals Management Service and New Mexico Oil Conservation Division. Well will be dual completed with Mesa Verde-Dakota commingled zone below packer and commingled Pictured Cliffs-Chacra above packer.

New 2 1/16" IJ Tubing will be run for Pictured Cliffs-Chacra commingled zone.

New 2 1/16" IJ tubing will be run for Mesa Verde-Dakota commingled zone.

Gas produced from this well contracted to Gas Company of New Mexico.

### Estimated Formation Tops:

Alamo	1573'
Pictured Cliffs	2326'
Chacra	3213'
Cliff House	3993'
Point Lookout	4612'
Gallup	5910'
Greenhorn	6537'
Graneros	6631'
Dakota	6733'

Case No. **9267** Exhibit No. **9**

Submitted by **Commins**

Hearing Date **9/12/84**

OIL CONSERVATION COMMISSION  
Santa Fe, 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-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_  
 b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. SEV.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
**Caulkins Oil Company**

3. ADDRESS OF OPERATOR  
**P.O. Box 780 Farmington, New Mexico**

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface **1120' From South & 1520' From East**  
 At top prod. interval reported below **Same**  
 At total depth **Same**

5. LEASE DESIGNATION AND SERIAL NO.  
**NM 03733**

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \_\_\_\_\_

7. UNIT AGREEMENT NAME \_\_\_\_\_

8. FARM OR LEASE NAME  
**Breech**

9. WELL NO.  
**307-M**

10. FIELD AND POOL, OR WELDCAT  
**Blanco Mesa Verde**

11. SEC., T., R., N., OR BLOCK AND SURVEY OR AREA  
**Sec. 13 26 North 7 West**

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_  
 BUREAU OF LAND MANAGEMENT

12. COUNTY OR PARISH  
**Rio Arriba**

13. STATE  
**New Mexico**

15. DATE SPUNDED <b>7-30-83</b>	16. DATE T.D. REACHED <b>8-9-83</b>	17. DATE COMPL. (Ready to prod.) <b>9-21-83</b>	18. ELEVATIONS (OF. RES. RT. GR. ETC.)* <b>6146 GR</b>	19. ELEV. CASINGHEAD <b>6888'</b>	
20. TOTAL DEPTH, MD & TVD <b>6888'</b>	21. PLUG. BACK T.D. MD & TVD <b>6888'</b>	22. IF MULTIPLE COMPL., HOW MANY* <b>(4) FOUR</b>	23. INTERVALS DRILLED BY <b>0-6888</b>	ROTARY TOOLS <b>→</b>	CABLE TOOLS <b>No</b>

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
**4534' to 4756' (Mesa Verde)**

25. WAS DIRECTIONAL SURVEY MADE  
**No**

26. TYPE ELECTRIC AND OTHER LOGS RUN  
**Gamma Ray Neutron Log**

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
9 5/8"	36# H-40	610'	12 1/4"	500 sacks (590 Cu.Ft.)	None
5 1/2"	15.5 & 17#	6888'	7 7/8"	1400 sacks (2122 Cu.Ft.)	None

29. LINE RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
1 1/4"	6682'	3337'

31. PREPARATION RECORD (Interval, size and number)

1-.42-4534	1-.42-4662	1-.42-4756
1-.42-4566	1-.42-4668	
1-.42-4580	1-.42-4692	
1-.42-4618	1-.42-4698	
1-.42-4644	1-.42-4740	

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4534' to 4756'	80,000# 20-40 sand and 1472 bbls. 20# Gel Fluid.

33. PRODUCTION

DATE FIRST PRODUCTION: **9-28-83**

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—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
9-28-83	3 Hours	3/4"	→		86		

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)
137	PKR	→		689		

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)  
**Gas to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.)**

TEST WITNESSED BY \_\_\_\_\_

35. LIST OF ATTACHMENTS  
**Complete Cementing Records**

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

SIGNED: Charles Vergara TITLE: Superintendent DATE: Oct 9-28-83

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

OPERATOR

FARMINGTON RESOURCE AREA  
BY: Sm

ACCEPTED FOR RECORD

# 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 23, and 25, 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 25.

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 12: 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 22. 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; CONED 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.	NAME	MEAN. DEPTH	TRUB VERT. DEPTH
Alamo	1510	1798	Water Sand	Alamo	1510	1510
Pictured Cliffs	2274	2372	Gas Sand	Pictured Cliffs	2274	2274
Chacra	3224	3326	Gas Sand	Chacra	3224	3224
Mesa Verde	4204	4765	Gas Sand	Mesa Verde	4204	3204
Dakota	6642	6830	Gas Sand	Dakota	6642	6642
			Hole Deviation Test			
	Depth		Degrees			
	615		2			
	1104		2 1/2			
	1618		2 3/4			
	2427		2 3/4			
	2887		2 1/2			
	3295		2			
	3784		2			
	4290		1 1/2			
	4803		2			
	5228		1 3/4			
	5725		1 3/4			
	6231		1 1/2			

38. GEOLOGIC MARKERS



307-M

Ran 5 1/2" Production Casing as follows:

6888' to 127'	(6541')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
127' to Surface	( 127')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 4812' and 3378'.

Cement Baskets run in Casing string at 4944' and 3393'.

Centralizers run on Casing string at following points:

6847', 6806', 6764', 6722', 6681', 6640', 6598', 6556', 6514', 6473', 6431', 6390', 6349', 6307', 4851', 4771', 4733', 4697', 4656', 3418', 3338', 3297', 2425', 2387', 2345' and 2305'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 6888' with 250 sacks (412.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 10:45 PM 8-9-83.

Second Stage cemented thru Stage Tool set at 4812' with 150 sacks (247.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat cement.  
Plug down 11:45 PM 8-9-83.

Third Stage cemented thru Stage Tool set at 3378' with 600 sacks (990 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 200 sacks (236 Cu.Ft.) Neat Cement.  
Plug down 1:30 AM 8-10-83.

Circulated approx 5 bbl. slurry from both first and second stages.  
Circulated no cement from third stage. Cement top 925' Temperature Survey attached.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
REGISTRATION OFFICE	

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

I. Operator  
Caulkins Oil Company

Address  
P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box)  
 New Well  Change in Transporter of: Oil  Dry Gas   
 Recombination  Condensate Gas  Condensate   
 Change in Ownership  Other (Please explain) \_\_\_\_\_

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name Breech	Well No. 307-M	Pool Name, including Formation Basin Dakota-Blanco Mesa Verde	Kind of Lease State, Federal or Fee Federal	Lease No. NM03733
Location Unit Letter <u>0</u> ; <u>1120</u> Feet From The <u>South</u> Line and <u>1520</u> Feet From The <u>East</u> Line of Section <u>13</u> Township <u>26 North</u> Range <u>7 West</u> N.M.P.M. Rio Arriba County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/> Giant Refinery Company	Address (Give address to which approved copy of this form is to be sent.) P.O. Box 256 Farmington, New Mexico
Name of Authorized Transporter of Condensate Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/> Gas Company of New Mexico	Address (Give address to which approved copy of this form is to be sent.) 1508 Pacific Ave. Dallas, Texas
If well produces oil or liquids, give location of tanks. Unit <u>0</u> Sec. <u>13</u> Twp. <u>26N</u> Rgn. <u>7W</u>	Is gas actually connected? <u>No</u> When _____

If this production is commingled with that from any other lease or pool, give commingling order number \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X) <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> New Well <input checked="" type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Same Recv. <input type="checkbox"/> Diff. Recv.	Date Spudded 7-30-83	Date Compl. Ready to Prod. 9-21-83	Total Depth 6888'	P.A.T.D. 6888'
Elevation (DF, RKB, RT, GR, etc.) 6164 GR	Name of Producing Formation Mesa Verde-Dakota	Top Oil/Gas Pay 4534'	Tubing Depth 6682'	
Perforations 4534' to 4756' (Mesa Verde) 6652' to 6818' (Dakota)	TUBING, CASING, AND CEMENTING RECORD		Depth Casing Shoe 6682'	
HOLE SIZE 12 1/4"	CASING & TUBING SIZE 9 5/8"	DEPTH SET 615'	SACKS CEMENT 500 sacks (590 Cu. Ft.)	
7 7/8"	5 1/2"	6888'	1400 sacks (2122 Cu. Ft.)	
	1 1/4"	6682'		

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of leak oil and must be equal to or exceed 10% allowable for this depth or be for full 24 hours)

Date First New Oil Ran To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.) WELL
Length of Test	Tubing Pressure	Casing Pressure
Actual Prod. During Test	Oil-Shls.	Water-Shls.
		Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D 2,110	Length of Test 3 Hours	Shls. Condensate/MCF	Gravity of Condensate
Testing Method (psoc, back pr.) Back Pressure	Tubing Pressure (Shls-LB) 1415	Casing Pressure (Shls-LB) PKR	Crate Size 3/4"

CERTIFICATE OF COMPLIANCE

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

Charles Brown  
(Signature)  
Superintendent  
(Title)  
9-29-83  
(Date)

OIL CONSERVATION DIVISION

APPROVED 10/15/83 IS \_\_\_\_\_

BY John D. Chazy

TITLE ADMINISTRATOR DISTRICT

This form is to be filed in compliance with RULE 1104.  
 If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
 All sections of this form must be filled out completely for allowable on new and recompleted wells.  
 Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.  
 Separate Forms C-104 must be filed for each pool in multiply completed wells.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road  
AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE November 21, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF  
GAS FROM THE Caulkins Oil Company OPERATOR

Breech

LEASE

307-M

(O) 13-26N-07W

\*Blanco Mesa Verde

WELL UNIT

S-T-R

POOL

Gas Company of New Mexico

NAME OF PURCHASER

WAS MADE ON

11-16-83

FIRST DELIVERY

11-16-83

DATE

DATE

689

INITIAL POTENTIAL

\*Downhole Commingled with Basin Dakota

/kn

- cc: OPERATOR  
 New Mexico Oil Conservation Commission - Aztec  
 Minerals Management Service - Oil & Gas  
 Mr. E.R. Corliss, Engineering  
 Mr. R.J. McCrary, Gas Contracts Adm.  
 Prorations Dept., Albuquerque  
 Mr. Robert Utay, Gas Accounting  
 Mr. Joel Levine, Gas Supply  
 Chart Office, Kutz  
 Mr. Perry McFarland, Kutz  
 File

Gas Company of New Mexico  
PURCHASER

J.R. Large  
REPRESENTATIVE  
J.R. Large  
Dispatch Manager  
TITLE

All distances must be from the outer boundaries of the Section

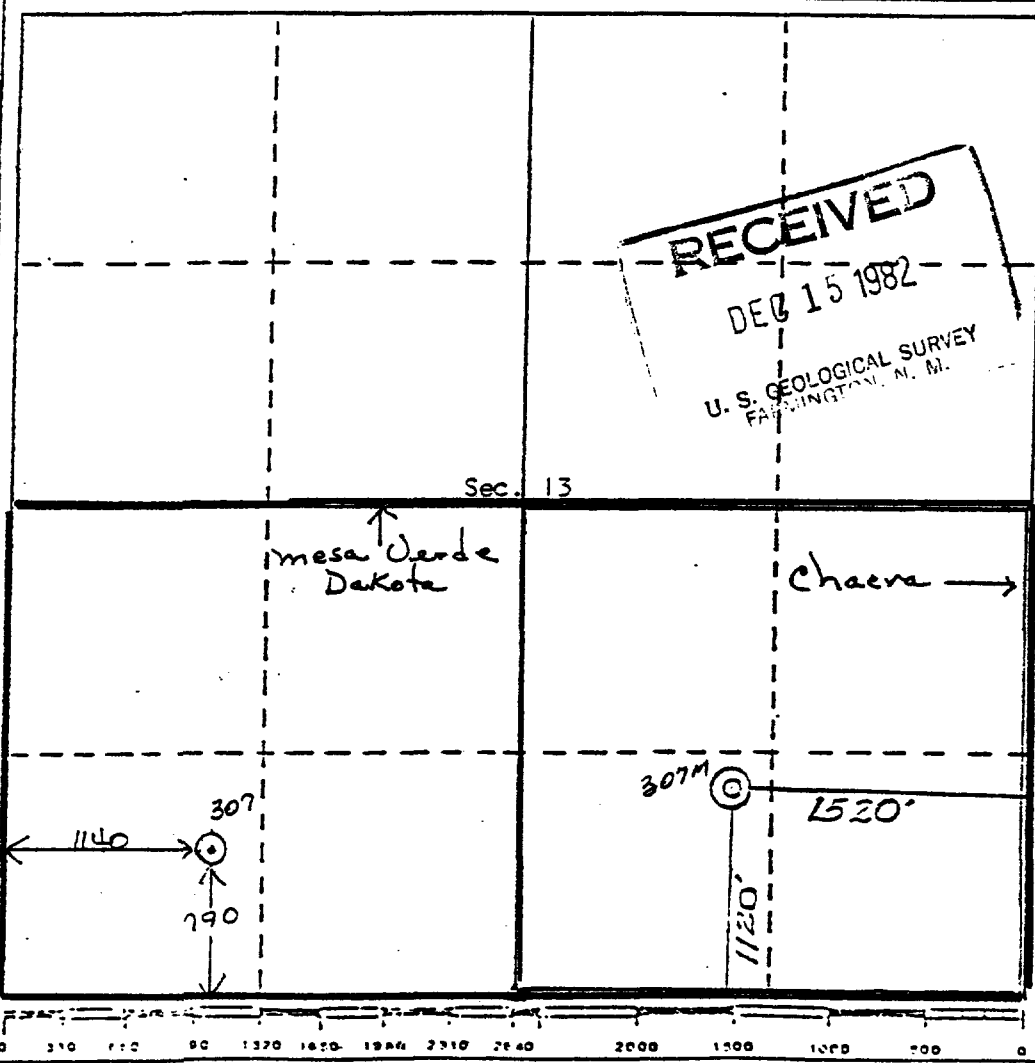
Operator CAULKINS OIL COMPANY		Lease Breech			Well No. 337-M
Unit Letter C	Section E3	Township 26 NORTH	Range 7 WEST	County RIO ARRIBA	
Actual Footage Location of Well:					
1120 feet from the SOUTH line and		1520 feet from the EAST line			
Ground Level Elev. 6146.0	Producing Formation PC-Chacra-Mesa Verde-Dakota	Pool South Blanco PC-Otero Chacra Blanco MV-Basin Dakota		Dedicated Acreage 1.60 PC & Chacra 0.20 MV & Dakota Acre	

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



CERTIFICATION

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

*Charles Verquer*  
Name

Charles Verquer

Position

Superintendent

Company

Caulkins Oil Company

Date

12-13-82

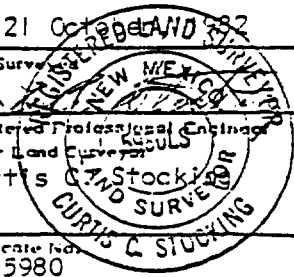
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

21 October 1982

Date Survey

Registered Professional Engineer and/or Land Surveyor  
Curtis C. Stocking

Certificate No.  
5980



# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

## MESA VERDE

307 307-M Infil

307

307-M

<u>Month</u>	<u>Production</u>	<u>Days On</u>	<u>Production</u>	<u>Days On</u>
11-16-83	682	31	Shut-In	
12-83	578	28	18,528	28
1-84	584	29	4,520	24
2-84	453	31	3,843	27
3-84	397	29	3,882	28
4-84	453	31	3,418	31
5-84	347	30	2,425	23
<hr/>				
Total	3,494	209	36,616	161

# CAULKINS OIL COMPANY

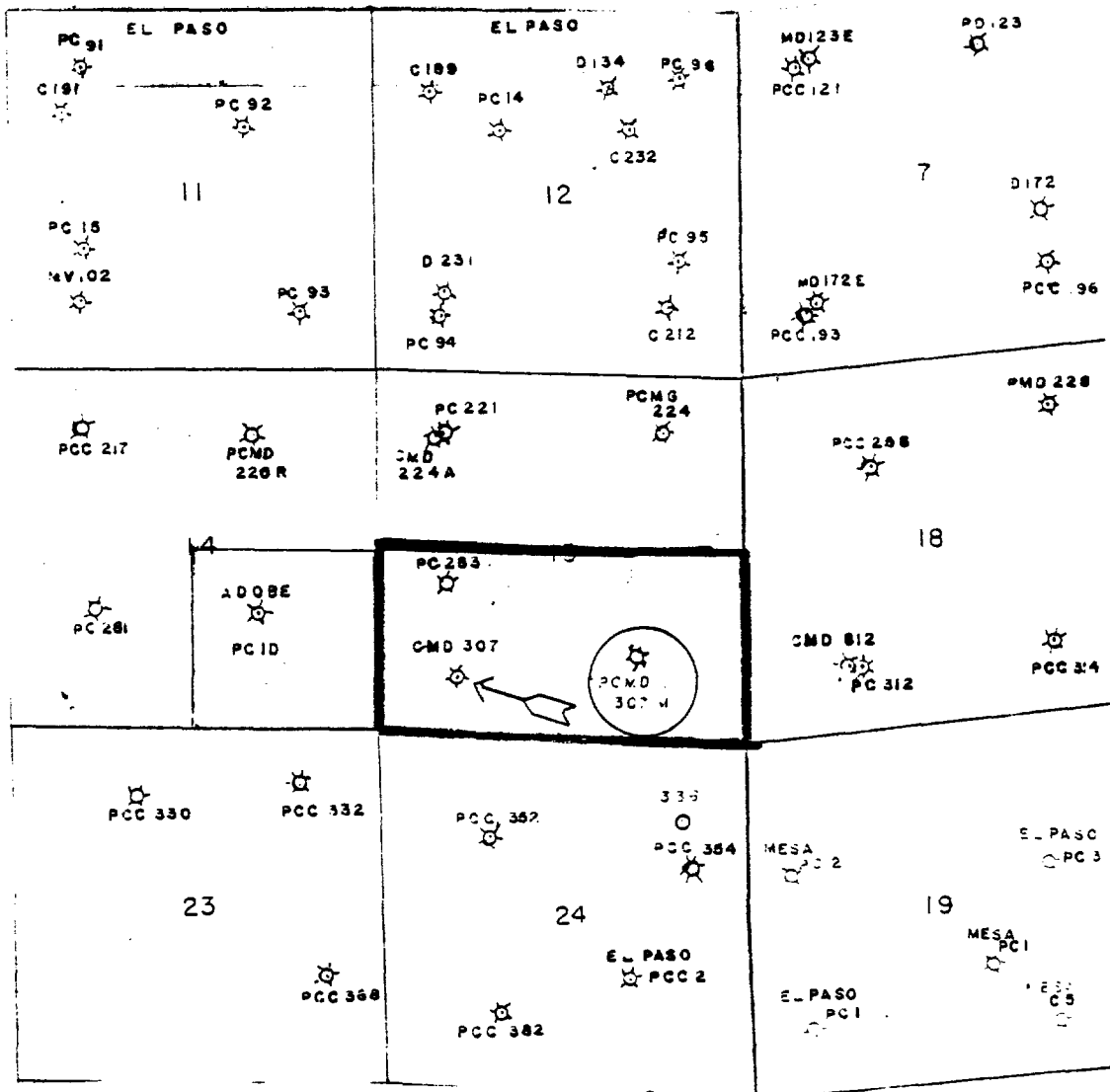
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: South half of Section 13 26N 7W, Rio Arriba County, N.M.

Well No. 307 - Original well Mesa Verde Zone, marked with circle.

Well No. 307-M - Infil well Mesa Verde Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK  
 DRILL                       DEEPEN                       PLUG BACK

b. TYPE OF WELL  
 OIL WELL                       GAS WELL                       OTHER   
 SINGLE ZONE                       MULTIPLE ZONE

2. NAME OF OPERATOR  
 Caulkins Oil Company

3. ADDRESS OF OPERATOR  
 P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)  
 At surface  
 880' From the North and 1028' From the East  
 At proposed prod. zone  
 same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE  
 35 Miles Southeast of Blanco, New Mexico

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FE. (Also to deepest dirg. unit line, if any)  
 880'

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FE.  
 2001'

21. ELEVATION (Show whether DP, RT, GR, etc.)  
 6597 GR

5. LEASE DESIGNATION AND SERIAL NO.  
 NM 03553

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
 Breach D

9. WELL NO.  
 140M

10. FIELD AND POOL OR WILDCAT  
 Basin Dakota

11. SEC., T., R., M., OR S.E. AND SURVEY OR AREA  
 Section 11 26N 6W

12. COUNTY OR PARISH  
 Rio Arriba

13. STATE  
 New Mexico

RECEIVED  
 JUL 21 1982  
 FARMINGTON, N. M.

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4"	9 5/8"	32.30	300	250 Sacks
7 7/8"	5 1/2"	15.5 & 17	7600	1400 Sacks

Surface formation San Jose. No Abnormal pressure or temperature anticipated.

It is proposed to drill new hole, surface to 7600 9.0 Gal based mud. Float will be run in drill pipe at bit. Es Induction Log will be run in open hole. A Schaeffer 10" Model LWP 6000# test BOP will be in use at all times while drilling and cementing. BOP will be tested at least one time during each 24 hour period and results recorded on daily drilling report.

New 9 5/8" surface casing will be set at approx. 300' and cemented with sufficient cement to circulate to surface.

New 5 1/2" 15.5 and 17 casing will be cemented top to bottom with sufficient cement to circulate. Casing will be cemented in 3 stages with tools set 31 below Point Lookout Sands and Below Pictured Cliffs Sands. (over)

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED Charles Deque TITLE Superintendent DATE July 20, 1982

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

APPROVED  
 AS AMENDED  
 DATE OCT 01 1982  
James F. Sims  
 DISTRICT ENGINEER

OPERATOR

**Instructions**

General: This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

Item 1: If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

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 14: Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plat, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

Items 15 and 18: If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

Item 22: Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

\* U.S. GOVERNMENT PRINTING OFFICE: 1949-O-711-268

Centralizers will be run on casing thru Mesa Verde and Dakota zone.

Well will be completed in Mesa Verde and Dakota zones.

Packer will be set between Mesa Verde zone and Dakota zone.

New 2 1/16" LI tubing will be run thru packer to Dakota zone.

New 1 1/4" LI tubing will be run to Mesa Verde zone for Mesa Verde production.

All zones will be perforated and fractured to stimulate production.

Gas produced from this well contracted to Gas Company of New Mexico.

**Estimated Formation Tops:**

Alamo	2545
Pictured Cliffs	3112
Cliff House	4803
Point Lookout	5403
Greenhorn	7250
Graneros	7330
Dakota	7460

RECEIVED  
 OIL CONTROL COMMISSION  
 SANTA FE, NEW MEXICO  
 Case No. **927**  
 EXHIBIT NO. **10**  
 Submitted by **Carlson**  
 Hearing Date **9/12/54**



**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM 03553

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech "D"

9. WELL NO.

140-M

10. FIELD AND POOL, OR WILDCAT

Blanco Mesa Verde

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

Section 11 26North 6West

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

**WELL COMPLETION OR RECOMPLETION REPORT AND LOG \***

1a. TYPE OF WELL: OIL WELL  GAS WELL  DRY  Other \_\_\_\_\_

b. TYPE OF COMPLETION: NEW WELL  WORK OVER  DEEP-EN  PLUG BACK  DIFF. RESVR.  Other \_\_\_\_\_

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico 87499

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 880' From North & 1028' From West  
At top prod. interval reported below Same  
At total depth Same

14. PERMIT NO. \_\_\_\_\_ DATE ISSUED \_\_\_\_\_

15. DATE SPUDDED 5-28-83 16. DATE T.D. REACHED 6-9-83 17. DATE COMPL. (Ready to prod.) 7-20-83 18. ELEVATIONS (DF, RER, RT, GR, ETC.)\* 6597 8R 19. ELEV. CASINGHEAD 6597

20. TOTAL DEPTH, MD & TVD 7592' 21. PLUG BACK I.D., MD & TVD 7580' 22. IF MULTIPLE COMPL., HOW MANY\* (2) Two 23. INTERVALS DRILLED BY → 0-7592 ROTARY TOOLS CABLE TOOLS No

24. PRODUCING INTERVAL(S); OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 5120 - 5478 Mesa Verde 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN ES. Gamma Ray and Gas Spectrum Logs 27. WAS WELL CORED No

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

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9 5/8"	36# H-40	401'	12 1/4"	354 Cu. Ft. (100 Sacks)	None
5 1/2"	15.5 & 17#	7592'	7 5/8"	2004 Cu.Ft. (1300 Sacks)	None

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					1 1/4"	5476'	

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH	SIZE	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1-.42-5120	1-.42-5326	5120 - 5478	50,000# 20-40 Sand and
1-.42-5170	1-.42-5342		1252 bbls. 20# Gel Water
1-.42-5224	1-.42-5380		
1-.42-5308	1-.42-5400		
1-.42-5318	1-.42-5478		

33. PRODUCTION  
DATE FIRST PRODUCTION 7-27-83 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing WELL STATUS (Producing or shut-in) Shut-in

DATE OF TEST 7-27-83 HOURS TESTED 3 Hours CHOKER SIZE 3/4" PROD'N. FOR TEST PERIOD → OIL—BBL. GAS—MCF. 127 WATER—BBL. GAS-OIL RATIO

FLOW. TUBING PRESS. 60 CASING PRESSURE 400 CALCULATED 24-HOUR RATE → OIL—BBL. GAS—MCF. 1,019 WATER—BBL. OIL GRAVITY-API (CORR.)

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Gas to be sold to Gas Company of New Mexico(Condensate to Shell Oil Co.) TEST WITNESSED BY

35. LIST OF ATTACHMENTS  
Complete cementing records

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

SIGNED Charles Desque TITLE Superintendent DATE 7-29-83

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

*Accepted for Record  
Aug 19, 83*

# 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: COSED INTERVALS, AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CURSION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES		38. GEOLOGIC MARKERS				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Alamo	2484	2583	Water Sand	Alamo	2484	2484
Pictured Cliffs	3078	3136	Gas Sand	Pictured Cliffs	3078	3078
Mesa Verde	4756	5484	Gas Sand	Mesa Verde	4756	4756
Dakota	7300	7564	Gas Sand	Dakota	7300	7300
Hole Deviation Test						
	Depth	Degrees	Depth	Degrees		
	401	3/4	4200	1 3/4		
	915	3/4	4710	1 3/4		
	1422	3/4	5228	1 1/2		
	1980	1	5682	1 1/2		
	2444	1	6166	1 1/2		
	3143	1	6677	1 1/4		
	3626	1 1/4	7182	1 1/4		
	4109	1 1/4	7592	1 1/4		

Ran 5 1/2" Production Casing as follows:

7592' to 6568'	(1024.17)	New 5 1/2"	17#	ST&C	K-55 Smls
6568' to 1063'	(5504.81)	New 5 1/2"	15.5#	LT&C	K-55 Smls
1063' to Surface	(1036.64)	New 5 1/2"	17#	LT&C	K-55 Smls

Stage Tools run in Casing string at 5566' and 3399'.

Cement Baskets run on Casing string at 5649' and 3481'.

24 Centralizers run on Casing string at following points:

7549', 7506', 7463', 7419', 7376', 7333', 7289', 7247', 7204', 7163', 7120', 7077', 7035', 6992', 5606', 5524', 5482', 5439', 5398', 5356', 5317', 5274', 3440' and 3357'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 7592' with 412.50 Cu. Ft. (250 Sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 Sacks) Neat Cement.  
Plug down first stage 2:50 PM 6-9-83

Second Stage cemented thru Stage Tool set at 5566' with 412.50 Cu. Ft. (250 sacks) 50-50 Poz, 6% Gel. 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 sacks) Neat cement.  
Plug down second stage 4:00 PM 6-9-83

Third Stage cemented thru Stage Tool set at 3399' with 825 Cu. Ft. (500 sacks) 50-50 Poz, 6% Gel, 12 1/4# Gilsonite per sack followed by 118 Cu. Ft. (100 sacks) Neat Cement.  
Plug down third stage 6:40 PM 6-9-83.

Cement circulated on all three stages.

Approx 2 bbls. slurry on first stage.  
Approx 1 bbls. slurry on second stage.  
Approx 5 bbls. slurry on third stage.

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
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LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
PROBATION OFFICE	

I. Operator Caulkins Oil Company

Address P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well <input checked="" type="checkbox"/>	Change in Transporter of:	
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/>	Dry Gas <input type="checkbox"/>
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	Condensate <input type="checkbox"/>

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Breach "D"</u>	Well No. <u>140-M</u>	Pool Name, including Formation <u>Blanco Mesa Verde</u>	Kind of Lease State, Federal or Fee <u>Federal</u>	Lease No. <u>NM 03553</u>
Location Unit Letter <u>D</u> ; <u>880</u> Feet From The <u>North</u> Line and <u>1028</u> Feet From The <u>West</u>				
Line of Section <u>11</u> Township <u>26 North</u> Range <u>6 West</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Inland Corporation</u>	<u>P.O. Box 1528 Farmington, New Mexico</u>
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Gas Company of New Mexico</u>	<u>1508 Pacific Ave. Dallas, Texas</u>
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	<u>D 11 26N 6W No</u>

If this production is commingled with that from any other lease or pool, give commingling order number: \_\_\_\_\_

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded <u>5-28-83</u>	Date Compl. Ready to Prod. <u>7-20-83</u>	Total Depth <u>7592</u>	P.B.T.D. <u>7580</u>					
Elevations (DF, RKB, RT, CR, etc.) <u>6597 GR</u>	Name of Producing Formation <u>Mesa Verde</u>	Top Oil/Gas Pay <u>5120</u>	Tubing Depth <u>5476</u>					
Perforations <u>5478 - 5120 Mesa Verde</u>							Depth Casing Shoe <u>7592</u>	
TUBING, CASING, AND CEMENTING RECORD								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
<u>12 1/4"</u>	<u>9 5/8"</u>	<u>401'</u>	<u>354 Cu.Ft. (100 Sacks)</u>					
<u>7 5/8"</u>	<u>5 1/2"</u>	<u>7592'</u>	<u>2004 Cu.Ft. (1300 Sacks)</u>					
	<u>1 1/4"</u>	<u>5476'</u>						

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

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

GAS WELL

Actual Prod. Test - MCF/D <u>1,019</u>	Length of Test <u>3 Hours</u>	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (prior, back pr.) <u>Back Pressure</u>	Tubing Pressure (Shut-in) <u>847</u>	Casing Pressure (Shut-in) <u>944</u>	Choke Size <u>3/4"</u>

VI. CERTIFICATE OF COMPLIANCE

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

[Signature]  
(Signature)  
Superintendent  
(Title)  
7-29-83  
(Date)

OIL CONSERVATION DIVISION  
9-23-83 SEP 23 1983  
APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY [Signature]  
TITLE Superintendent SUPERVISOR DISTRICT # 3

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

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

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

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road  
AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 6, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company  
OPERATOR

Breech D 140-M (D)11-26N-06W  
LEASE WELL UNIT S - T - R

Blanco Mesaverde Gas Company of New Mexico  
POOL NAME OF PURCHASER

WAS MADE ON 12-6-83 , FIRST DELIVERY 12-6-83  
DATE DATE

1019  
INITIAL POTENTIAL

Gas Company of New Mexico  
PURCHASER

J.R. Large  
REPRESENTATIVE  
J.R. Large  
Dispatch Manager  
TITLE

/kn

- cc: OPERATOR  
New Mexico Oil Conservation Commission - Aztec  
Minerals Management Service - Oil & Gas  
Mr. E.R. Corliss, Engineering  
Mr. R.J. McCrary, Gas Contracts Adm.  
Mr. Robert Utay, Gas Accounting

FORM 29-43 11-78

- Mr. Joel Levine, Gas Supply  
Prorations Dept., Albuquerque  
Chart Office, Kutz  
Mr. Perry McFarland, Kutz  
File

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO  
ENERGY AND MINERALS DEPARTMENT

P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

Form C-102  
Revised 10-1-7

All distances must be from the outer boundaries of the Section.

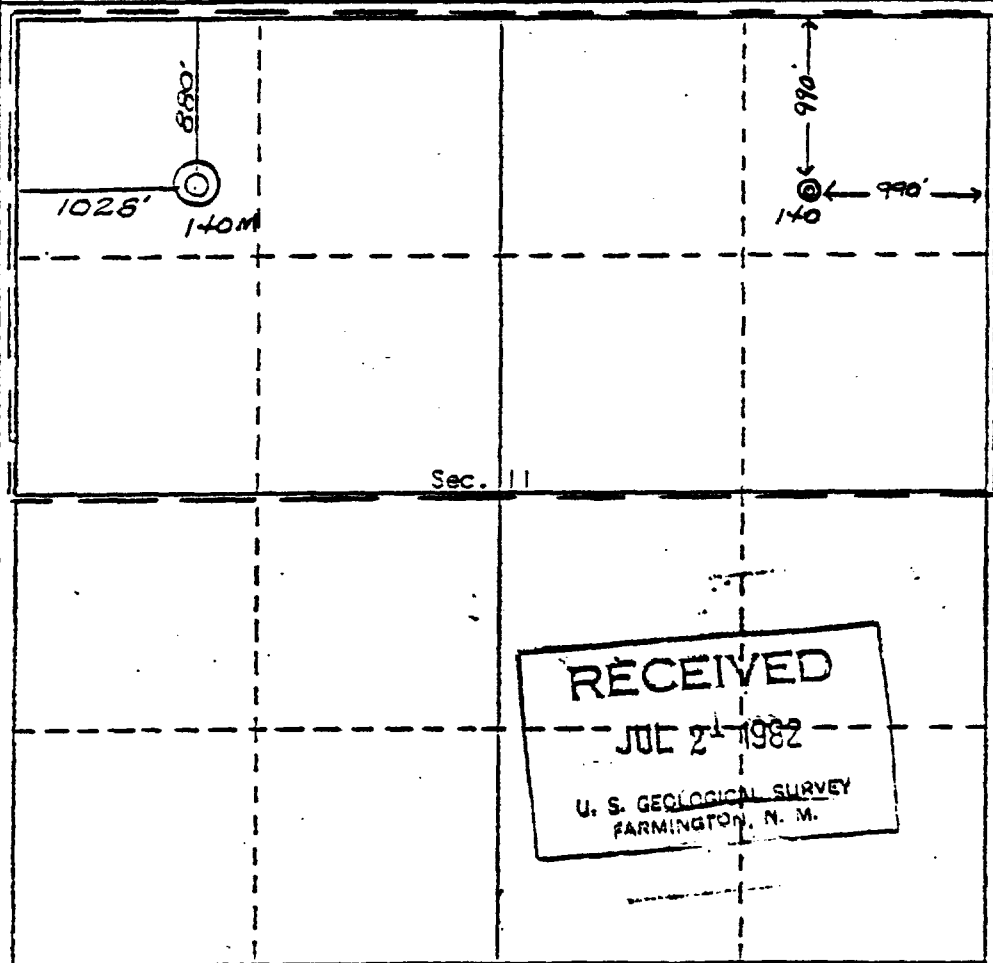
Operator CAULKINS OIL COMPANY		Lease Breach D			Well No. 140-M
Unit Letter D	Section 11	Township 26 NORTH	Range 6 WEST	County RIO ARRIBA	
Actual Postage Location of Well: 880 feet from the NORTH line and 1028 feet from the WEST line					
Ground Level Elev. 6597.0	Producing Formation Mesa Verde & Dakota	Pool Blanco Mesa Verde & Basin Dakota			Dedicated Acreage 320 Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Division



CERTIFICATION

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

*Charles E. Verquer*  
Name

Charles E. Verquer  
Position

Superintendent  
Company

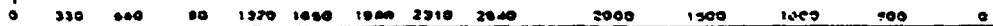
Caulkins Oil Company  
Date

July 20, 1982

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

REGISTERED LAND SURVEYOR  
NEW MEXICO  
1982  
*Charles E. Verquer*  
Registered Professional Engineer  
and/or Land Surveyor  
CURTIS C. STICKING

Certificate No.  
5980



# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

## MESA VERDE

140 140-M Infil

Month	140		140-M	
	Production	Days On	Production	Days On
12-6-83	747	30	5,708	19
1-84	1,295	30	3,196	24
2-84	701	24	1,579	30
3-84	772	29	2,984	29
4-84	794	31	2,487	31
5-84	688	30	2,456	30
<hr/>				
Total	4,997	174	18,410	163

# CAULKINS OIL COMPANY

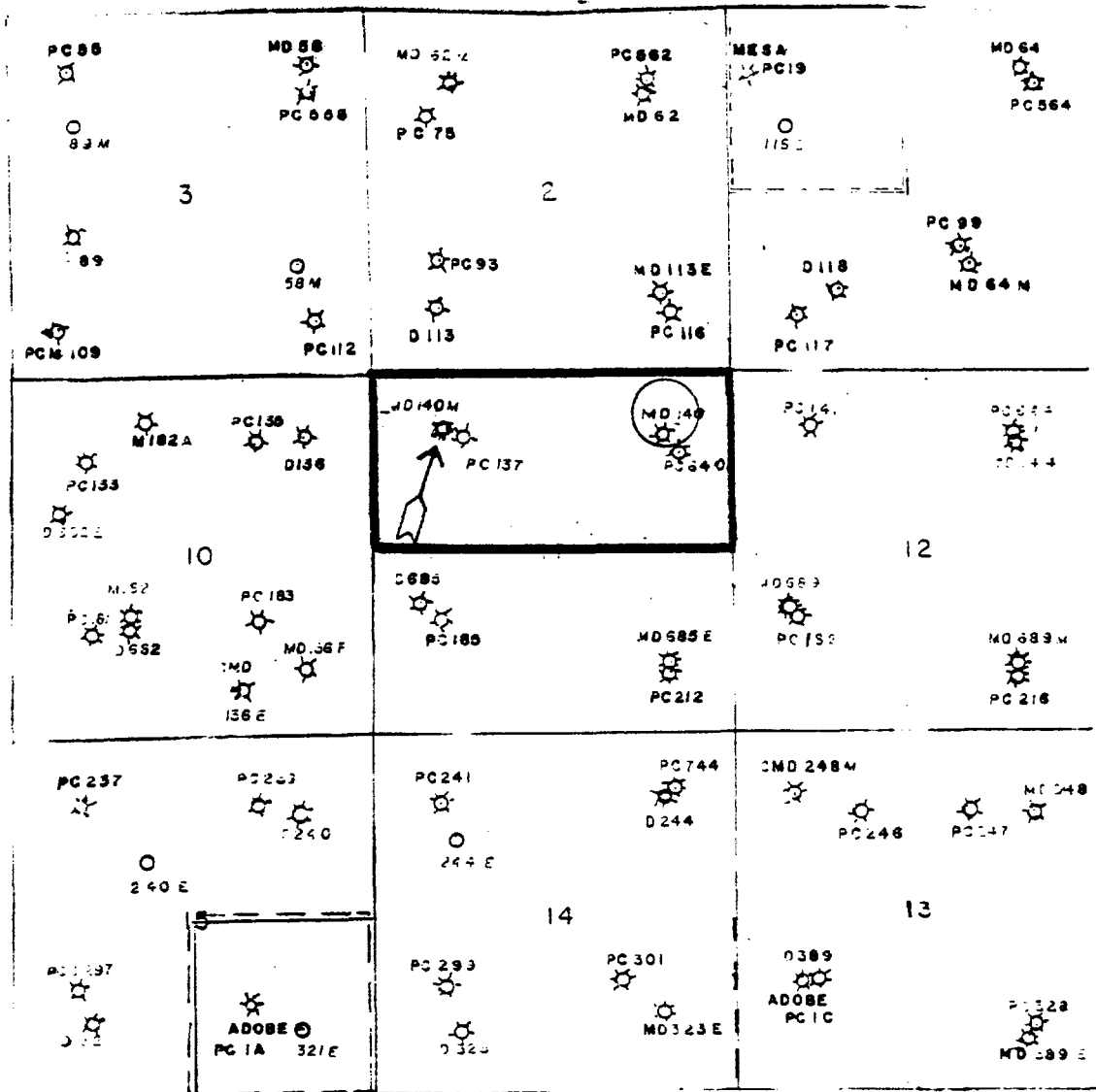
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: North half of Section 11 26N16W, Rio Arriba County, N.M.

Well No. 140 - Original well Mesa Verde Zone, marked with circle.

Well No. 140-M - Infil well Mesa Verde Zone, marked with arrow.

All acreage on this plat, not otherwise identified, operated by Caulkins.



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion



RULES AND REGULATIONS NGPA SECTION 6

Rule #1

Replacement well 235-R, located 1070' From North and 920' From East of Section 16, 26N 6W drilled to replace well No. 235 located 990' From North and 1800' From East of Section 16, 26N 6W.

Rule #2

235 well spudded 11-22-51 open hole Completion. Interval 3029' to 3105' shot with 660 Qt. SNG 1-9-52. No record of when well turned on line.

11-17-61 Open hole interval 3036' to 3065' Fractured with 50,000# 10-20 sand and 29,540 gallons water. Test after Fracture treatment 534 MCFPD. Test before Fracture treatment 103 MCFPD.

7-5-62 Moved in Rig to pull 1" tubing plugged with sand. Tubing was dropped in dry hole while coming out. Fished for 1" tubing and cleaned out to 2730' leaving 21 joints 1" tubing in hole. Reran 1" tubing to 2726' and turned well on line.

Rule #4

Set for hearing.

Rule # 5

Plat attached.

Rule #6

- (a) Cost of replacing 235 Pictured Cliffs in new well 235-R as allocated from total cost of new well, \$46,856.90.
- (b) 235 has formation damage due to not being able to remove fluids below 2726'.
- (d) Plugging information on 235 attached.

Rule #8

(235-R) Copy of spudding notice, Completion report and Gas Company of New Mexico Notice of 1st delivery of gas.

DEPARTMENT OF OIL CONSERVATION AND MINERAL DEVELOPMENT Santa Fe, New Mexico	
Case No. <u>8267</u>	Exhibit No. <u>11</u>
Submitted by <u>Caulkins</u>	
Hearing Date <u>9/12/54</u>	

# CAULKINS OIL COMPANY

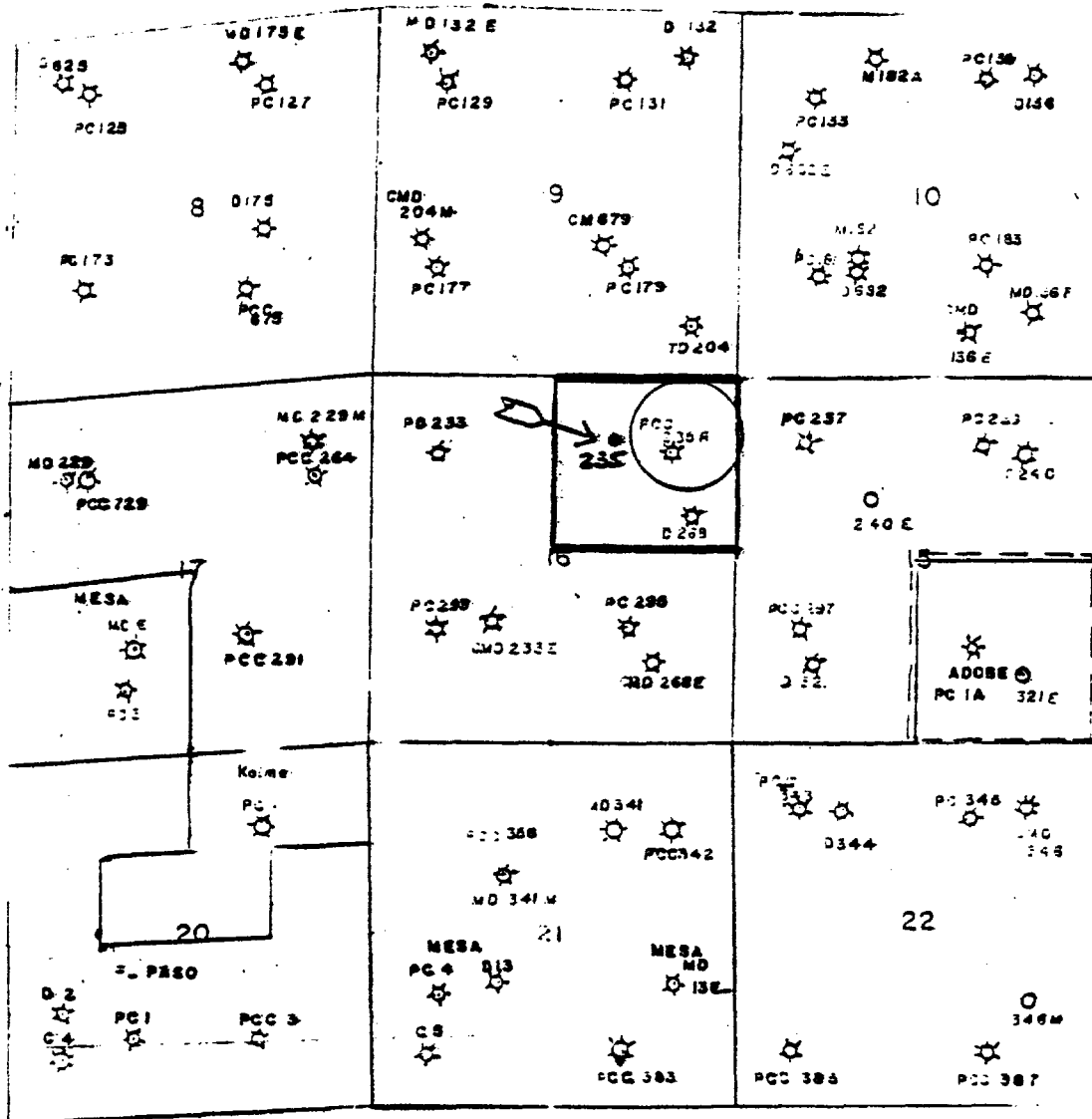
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: NE 1/4 of Section 16 26N 6W, Rio Arriba County, N.M.

Well No. 235 - Original well Pictured Cliffs Zone, marked with arrow

Well No. 235 R - Replacement well Pictured Cliffs Zone, marked with circle

All acreage on this plat, not otherwise identified, operated by Caulkins



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- D = Dakota Completion

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
E-291-25

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL  GAS WELL  OTHER- \_\_\_\_\_

2. Name of Operator  
Caulkins Oil Company

3. Address of Operator  
Post Office Box 780, Farmington, New Mexico

4. Location of Well  
UNIT LETTER B 990 FEET FROM THE North LINE AND 1800 FEET FROM  
THE East LINE. SECTION 16 TOWNSHIP 26-N RANGE 6-W H.M.P.M.

7. Unit Agreement Name

8. Form or Lease Name  
State C. Comm.

9. Well No.  
235

10. Field and Pool, or Wildcat  
South Blanco PG

11. Elevation (Show whether DF, RT, GR, etc.)  
6654 DF

12. County  
Rio Arriba

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK  PLUG AND ABANDON

TEMPORARILY ABANDON  CHANGE PLANS

PULL OR ALTER CASING  OTHER

SUBSEQUENT REPORT OF:

REMEDIAL WORK  ALTERING CASING

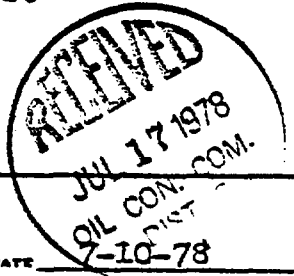
COMMENCE DRILLING OPER.  PLUG AND ABANDONMENT

CASING TEST AND CEMENT JOB  OTHER

17. Describe Proposed or Completed Operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1702.

Present condition: Flowing avg. 33 MCFPD to pipeline.  
TD 3105'  
8 5/8" casing cemented top to bottom 605'  
5 1/2" casing cemented 3019' to approx 1600' (top of Alamo 2315')  
1" line pipe tubing at 2726'.  
Junk 1" tubing below 2726'. (Junk in well makes it impossible to clean well.)  
Replacement well has been drilled in this proration unit. It is now proposed to plug and abandon this well in following manner:

Pull 1" tubing now set at 2726'.  
Run 2" tubing with packer and set at approx 2700' and spot cement plug 2700' to TD. Then fill pipe 2700' to 100' with 9# Gel Base Mud.  
Spot 100' cement plug 100' to surface, and install marker.



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

SIGNED Charles E. Deque TITLE Superintendent DATE 7-10-78

APPROVED BY [Signature] TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103  
Supersedes Old  
C-102 and C-103  
Effective 1-1-65

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Fee <input type="checkbox"/>
5. State Oil & Gas Lease No.
E-291-25
7. Unit Agreement Name
8. Form or Lease Name
State C Comm.
9. Well No.
235
10. Field and Pool, or Wildcat.
South Blanco PC
12. County
Rio Arriba

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1.  OIL WELL  GAS WELL  OTHER

2. Name of Operator  
Caulkins Oil Company

3. Address of Operator  
P.O. Box 780, Farmington, New Mexico 87401

4. Location of Well  
UNIT LETTER B 990 FEET FROM THE North LINE AND 1800 FEET FROM  
THE East LINE. SECTION 16 TOWNSHIP 26 N RANGE 6E NMPM.

15. Elevation (Show whether DF, RT, GR, etc.)  
6654 Gr

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK

TEMPORARILY ABANDON

PULL OR ALTER CASING

OTHER

PLUS AND ABANDON

CHANGE PLANS

SUBSEQUENT REPORT OF:

REMEDIAL WORK

COMMENCE DRILLING OPS.

CASING TEST AND CEMENT JOB

OTHER

ALTERING CASING

PLUS AND ABANDONMENT

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

8-11-78 - Pulled 1" tubing set at 2626'.

Ran 2" tubing with packer set at 2680 and squeezed cement away 2680 to 3105.  
Used 75 sacks cement.

8-12-78 Spotted 9.1# Gel based mud 2680 to 650'.

Spotted cement 650 to 550 inside and outside of 5 1/2" casing to tie 8 5/8" surface casing to formation.

Spotted 100' plug 0 to 180' in top of 5 1/2" casing.

8-15-78 Welded 4 1/2" OD marker to top of 5 1/2" casing.

SEP 15 1978  
OIL CON. COM.  
DIST. 3

Note: Will submit subsequent report when location cleaned and ready for final inspection.

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

SIGNED Charles E. Dugues TITLE Superintendent DATE 9-8-78

APPROVED BY AR Kendrick TITLE SUPERVISOR DISTRICT 3 DATE JUL 10 1979

CONDITIONS OF APPROVAL, IF ANY:

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LAND OFFICE	
OPERATOR	/

NEW MEXICO OIL CONSERVATION COMMISSION

Supersedes C-102 and C-103 Effective 1-1-65

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
E-291-17 & E-291-25

7. Unit Agreement Name

8. Form or Lease Name  
State "C" Com

9. Well No.  
235-R

Field and Pool or Willows  
Otero-Chacra

12. County  
Rio Arriba

**SUNDRY NOTICES AND REPORTS ON WELLS**  
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL  GAS WELL  OTHER

2. Name of Operator  
Caulkins Oil Company

3. Address of Operator  
P.O. Box 780 Farmington, New Mexico

4. Location of Well  
UNIT LETTER A 1070 FEET FROM THE North LINE AND 920 FEET FROM  
THE East LINE, SECTION 16 TOWNSHIP 26N RANGE 6W NMPM.

13. Elevation (Show whether DF, RT, GR, etc.)  
6530 Gr

16. Check Appropriate Box To Indicate Nature of Notice, Report or Other Data/  
NOTICE OF INTENTION TO:      SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPER. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 17B.

Spud at 2:00 PM 6-21-78  
 Drilled 12 1/4" hole to 100'  
 Cemented 8 5/8" 24# J-55 New Casing at 97' with 100 sacks 2% CaCl.  
 Plug down at 9:15 pm 6-21-78  
 Cement circulated to surface.  
 Tested casing with 500# 6-22-78.  
 No decrease in pressure.



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

SIGNED Dennis J. Blewett TITLE Prod. Foreman

DEPUTY OIL & GAS INSPECTOR, DIST. #3

RECEIVED DATE 6-27-78

JUL 3 1978  
 JUL 6 1978  
 U. S. DEPARTMENT OF ENERGY

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Form C-105  
Revised 11-66

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

11. Indicate Type of Lease  
 State  Fee  
 12. State Oil & Gas Lease No.  
 E-291-17 and E-291-25

13. TYPE OF WELL  
 a. TYPE OF COMPLETION  
 OIL WELL  GAS WELL  DRY  OTHER \_\_\_\_\_  
 NEW WELL  WORK OVER  DEEPEN  PLUG BACK  DIFF. RESRV.  OTHER \_\_\_\_\_

2. Name of Operator  
**CAULKINS OIL COMPANY**  
 3. Address of Operator  
**P.O. BOX 780, FARMINGTON, NEW MEXICO**

7. Unit Agreement Name  
 8. Form or Lease Name  
**STATE C COMM**  
 9. Well No.  
**235 R.**  
 10. OPERATOR'S WILDCAT  
**SOUTH BLANCO FC**

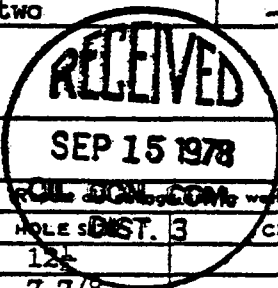
4. Location of Well  
 UNIT LETTER **A** LOCATED **1070** FEET FROM THE **North** LINE AND **920** FEET FROM  
 THE **East** LINE OF SEC. **16** TWP. **26N** RGE. **6W**

15. Date Spudded **6-21-78** 16. Date T.D. Reached **6-29-78** 17. Date Compl. (Ready to Prod.) **8-8-78** 18. Elevations (HP, RKB, RT, GR, etc.) **6530 GR** 19. Elev. Casinghead **6531**

20. Total Depth **3976** 21. Plug Back T.D. **3976** 22. If Multiple Compl., How Many **TWO** 23. Intervals Drilled By: Rotary Tools **0-3976** Cable Tools \_\_\_\_\_

24. Producing Interval(s), of this completion - Top, Bottom, Name  
**2920-3017 Pictured Cliffs**  
**3800-3906 Chacra**  
 25. Was Directional Survey Made  
**No**

26. Type Electric and Other Logs Run  
**GRN**  
 27. Was Well Cored  
**No**



28. CASING RECORD (For all casing in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	DIST.	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24	100	12 1/2	3	100	None
4 1/2	10.5	3976	7 7/8		740	None

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
1 1/2	3901	None

31. Perforation Record (Interval, size and number)  
 Two .38 hole at each of the following:  
 3800, 3808, 3814, 3819, 3825, 3833, 3845, 3854, 3862, 3883, and 3905. One .38 hole for: 2920, 2926, 2940, 2945, 2950, 2957, 2970, 2984, 3006, and 3017.

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
2920-3017	fraced w/ 60,000 #20-40 sand and 1474 bbls water.
3800-3906	fraced w/ 50,000 #20-40 sand and 1400 bbls water.

33. PRODUCTION

Date First Production **8-15-78** Production Method (Flowing, gas lift, pumping - Size and type pump) **flowing** Well Status (Prod. or Shut-in) **Shut In**

Date of Test **8-15-78** Hours Tested **3** Choke Size **3/4** Prod'n. For Test Period \_\_\_\_\_ Oil - Bbl. \_\_\_\_\_ Gas - MCF **199** Water - Bbl. \_\_\_\_\_ Gas-Oil Ratio \_\_\_\_\_

Flow Tubing Press. **40** Casing Pressure **435** Calculated 24-Hour Rate \_\_\_\_\_ Oil - Bbl. \_\_\_\_\_ Gas - MCF **1597** Water - Bbl. \_\_\_\_\_ Oil Gravity - API (Curr.) \_\_\_\_\_

34. Disposition of Gas (Sold, used for fuel, vented, etc.) **VENTED** Test Witnessed By \_\_\_\_\_

35. List of Attachments \_\_\_\_\_

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED Charles E. Vergara TITLE Supt. DATE 9-8-78

INSTRUCTIONS

This form is to be filled with the appropriate data of the formation not from them to give after the completion of any newly drilled or completed well. It shall be completed by one party of all interested and responsibility for its use on the well and a summary of all special tests conducted, including depth from bottom. All tests required shall be mentioned together in the case of horizontally drilled wells, true vertical depths shall also be reported. For multiple completions, form to be filled for each zone. The form is to be filled in duplicate except on single hole, where site copies are required. See Table 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico		Northwestern New Mexico	
T. Any	T. Canyon	T. Op Alamo	T. Penn. "B"
T. Salt	T. Strawn	T. Kinlim-Fruitland	T. Penn. "C"
T. Salt	T. Aoka	T. Tictured Cliffs	T. Penn. "D"
T. Yates	T. Miss	T. Chacra	T. Leadville
T. 7 Rivers	T. Devonian	T. Menefee	T. Madison
T. Queen	T. Silurian	T. Point Lookout	T. Elbert
T. Grayburg	T. Montoya	T. Mancos	T. McCracken
T. San Andres	T. Simpson	T. Gallup	T. Ignacio Quartz
T. Glorieta	T. McKee	T. Base Greenhorn	T. Granite
T. Paddock	T. Ellendburger	T. Dakota	T. T. _____
T. Binebry	T. Gr. Wash	T. Morrison	T. T. _____
T. Tubb	T. Granite	T. Todillo	T. T. _____
T. Drinkard	T. Delaware Sand	T. Entrada	T. T. _____
T. Abo	T. Franc Springs	T. Wingate	T. T. _____
T. Wolfcamp	T. T. _____	T. Charlie	T. T. _____
T. Penn.	T. T. _____	T. Permian	T. T. _____
T. Casco (though C)	T. T. _____	T. Penn. "A"	T. T. _____

OIL OR GAS SANDS OR ZONES

No. 1, from 2920 to 3017	No. 4, from _____ to _____
No. 2, from 3800 to 3906	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 2710 to 2505	No. 2, from _____ to _____
No. 3, from _____ to _____	No. 4, from _____ to _____

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation
0	2710	2710	Sand and Shale
2410	2505	95	Sand
2505	2920	415	Shale
2920	3017	97	Sand
3017	3800	783	Shale
3800	3906	106	Sand

CV

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road  
AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE January 26, 1979

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM THE Caulkins Oil Company OPERATOR

State C Comm LEASE 235-R WELL UNIT (A)16-26N-06W S - T - R

South Blanco Pictured Cliffs POOL Gas Company of New Mexico NAME OF PURCHASER

WAS MADE ON 1-25-79 DATE , FIRST DELIVERY 1-27-79 DATE

INITIAL POTENTIAL

NOTE: COMINGLED WITH OTERO CHACRA POOL.

Gas Company of New Mexico  
PURCHASER

James R. Large  
REPRESENTATIVE  
James R. Large  
Dispatch Manager  
TITLE

/sw  
cc: OPERATOR  
New Mexico Oil Conservation Commission - Aztec  
U. S. Geological Survey  
Mr. E. R. Corliss, Engineering  
Mr. R. J. McCrary, Prodrations  
Mr. W. B. Richardson, Gas Measurement  
Mr. Dan McFearin, Gas Accting.  
Ms. Gail Atkins, Gas Supply  
Mr. Ron Coffee, Kutz  
File



DISTRIBUTION	6
SANTA FE	1
FILE	
U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	2
PRORATION OFFICE	

NEW MEXICO OIL CONSERVATION COMMISSION  
REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104  
Supersedes Old C-104 and C-110  
Effective 1-1-65

**I. OPERATOR**

Operator  
Caulkins Oil Company

Address  
Post Office Box 780, Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well  Change in Transporter of:  
 Recompletion  Oil  Dry Gas   
 Change in Ownership  Casinghead Gas  Condensate  *Completed*

If change of ownership give name and address of previous owner \_\_\_\_\_

**II. DESCRIPTION OF WELL AND LEASE**

Lease Name State C Comm	Well No. 235 R	Pool Name, including Formation South Blanco Pictured Cliff	Kind of Lease State, Federal or Fee	State	Lease No. 291 17 291 25
Location <i>And Alex Chasin</i>					
Unit Letter A	1070	Feet From The North	Line and 920	Feet From The East	
Line of Section 16	Township	26 North	Range	6 West	NMPM, Rio Arriba County

**III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Gas Company of New Mexico	1508 Pacific Ave., Dallas, Texas
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Pgs. Is gas actually connected? When
	No

If this production is commingled with that from any other lease or pool, give commingling order number: D-5648

**IV. COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
		X	X					
Date Spudded 6-21-78	Date Compl. Ready to Prod. 8-8-78	Total Depth 3976	P.B.T.D. 3976					
Elevations (DF, RKB, RT, GR, etc.) 6530 Gr.	Name of Producing Formation Pictured Cliffs	Top Oil/Gas Pay 2920 - 3800	Tubing Depth 3901					
Perforations 2920 to 3017 & 3800 - 3906	<i>Chasin</i>	Depth Casing Shoe 3976						
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
12 1/4	8 5/8	100'	100					
7 7/8	4 1/2	3976	240					
	1 1/4	3901						

**V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL**

(Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours)

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

**GAS WELL**

Actual Prod. Test - MCF/D 1118 1597	Length of Test 3 hours	Bbls. Condensate/MCF	Gravity of Condensate
Testing Method (pilot, back pr.) Back Pressure	Tubing Pressure (Shut-in) 545	Casing Pressure (Shut-in) 540	Choke Size 3/4

**I. CERTIFICATE OF COMPLIANCE**

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

*Charles E. Vasquez*  
(Signature)  
Superintendent  
(Title)  
9-2-78  
(Date)

**OIL CONSERVATION COMMISSION**

APPROVED SEP 15 1978, 19  
BY *DR. [Signature]*  
TITLE SUPERVISOR DEST. #1

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.  
Separate Forms C-104 must be filed for each well in multiple.

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

WELL NO. 235

Cumulative Production Thru 1973		719,479	MCF
	1974	23,481	
	1975	18,180	
	1976	11,580	
	1977	16,023	
	1978	3,937	
		<hr/>	
		792,680	MCF

Monthly Production	1978
January	133
Febuary	1175
March	1000
April	603
May	588
June	276
July	162

RULES AND REGULATIONS NGPA SECTION 6

Rule #1

220-R located 1750' From East and 944' From North of Section 14, 26N 7W to replace well No. 220 located 990' From North and 990' From East of Section 14, 26N 7W, Rio Arriba County, New Mexico, Pictured Cliffs Zone only.

Rule #2

Downhole mechanical failure. Well making water from unknown source and as a well was being drilled to Dakota formation in this Quarter Section, approval to Plug and Abandon this well and open Pictured Cliffs in new well was obtained. Copy of approval attached.

Rule #4

Set for hearing for exemption.

Rule #5

Plat attached.

Rule # 6

- (a) Cost of replacing 220 Pictured Cliffs in new well 220-R \$68,289.04.
- (b) Rule #2 above.
- (d) Plugging Information attached.

Rule #8

(220-R) Copy of Intention to Drill, Completion Report, C-104 and copy of Gas Company of New Mexico Notice of 1st delivery.

BEFORE THE	
OIL CONSERVATION COMMISSION	
Santa Fe, New Mexico	
Case No. <u>8267</u>	Exhibit No. <u>12</u>
Submitted by <u>Caulkins</u>	
Hearing Date <u>9/12/84</u>	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780, Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below):  
AT SURFACE: 990' F/N 990' F/E  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

5. CASE  
NM-03381

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breech B

9. WELL NO.  
220

10. FIELD OR WILDCAT NAME  
South Blanco-Pictured Cliffs

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
Section 14, 26N 7W

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6537 Gr.

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:      SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>	<input type="checkbox"/>

(other)

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

This well presently producing less than 20 MCFPD. Due to hole conditions now present in well it is impossible to keep well clean. A new well was drilled and completed in this Zone in 1979 on this proration Unit.

It is now proposed to plug and abandon this well. Leaving only one well on 160 acre Unit.

Present Condition:

10-13-57 8 5/8" 24# J-55 cemented at 105' with 80 sacks. Cement circulated to surface.

10-24-57 4 1/2" 9.5# casing set at 2810'. Cemented with 200 sacks. Cement top Est. 1610'. (OVER)

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles W. Dejeu TITLE Superintendent DATE 2-13-80

**APPROVED**

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

FEB 19 1980

CARL A. BARRICK

REGIONAL DISTRICT ENGINEER

\*See Instructions on Reverse Side

FEB 15 1980

**Instructions**

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

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

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

4 1/2" perforated with 4 holes per foot: 2727 to 2762 and 2788 to 2802.

**Formation Tops:**

Alamo 2015'  
Pictured Cliffs 2725'

**Plugging Plan:**

Spot cement plug in 4 1/2" casing TD to 1500'.  
9.0# Gel Based Mud 1500' to 150'. Cement plug 150' to surface inside and outside of 4 1/2" casing.  
A 4 1/2" Monument will be welded to top of 4 1/2" casing.

Plugging operations to be commenced immediately after receiving approval.

OPD: 1978 O-214-14

# CAULKINS OIL COMPANY

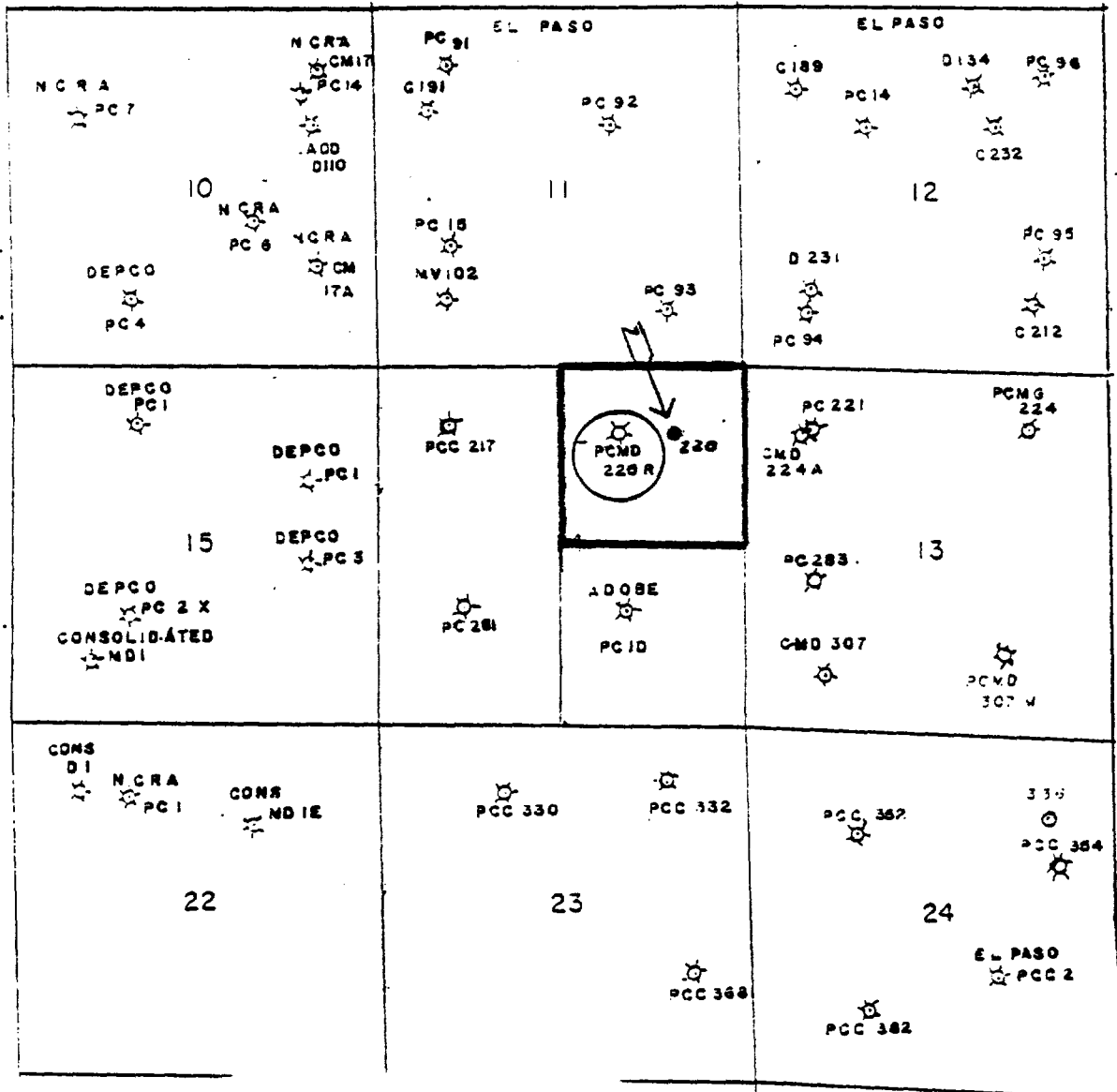
P. O. BOX 780  
 FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: NE 1/4 of Section 14 26N 7W, Rio Arriba County, N.M.

Well No. 220 - Original well Pictured Cliffs Zone, marked with arrow

Well No. 220 R - Replacement well Pictured Cliffs Zona, marked with circle

All acreage on this plat, not otherwise identified, operated by Caulkins



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- G = Greenhorn Completion
- D = Dakota Completion

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. NM 03381	
2. NAME OF OPERATOR Caulkins Oil Company		5. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR Post Office Box 780, Farmington, New Mexico 87401		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface: 1750' from the East Line and 944' from the North Line. At proposed prod. zone: Same		8. FARM OR LEASE NAME Breech "B"	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 35 miles Southeast of Blanco, New Mexico		9. WELL NO. 220-R	
15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any)		10. FIELD AND POOL OR WILDCAT Basin Dakota	
16. NO. OF ACRES IN LEASE 1120		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 14 26N 7W	
17. NO. OF ACRES ASSIGNED TO THIS WELL 320		12. COUNTY OR PARISH Rio Arriba	
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIES FOR, ON THIS LEASE, FT.		13. STATE New Mexico	
19. PROPOSED DEPTH 7300		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DP, RT, GR, etc.) 6537 GR.		22. APPROX. DATE WORK WILL START* April 1, 1979	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
13 3/4	9 5/8	36 #	300'	Sufficient to circulate
8 3/4	7"	23 and 26 #	7300'	1250 sacks

Surface formation San Jose. No abnormal pressure or temperature anticipated. It is proposed to drill well to 7300' using 9# Gel based mud. Float will be run in Drill Pipe at Bit. ES Ind., Density and Caliper logs will be run in open hole. New 7" 23# & 26# J-55 Sals Casing will be cemented at TD with sufficient cement to circulate to surface. Pipe will be cemented in 3 stages. Casing will have rotating Scratchers over Pictured Cliffs, Chacra, Mesa Verde and Dakota Zones. Stage tools will be run below base of Point Lookout and below base of Pictured Cliffs sands. Centralizers and cement baskets will also be run on casing thru pay zones.

A Shaffer 10" Model LWP, 6000# test blowout preventor will be in use at all times while drilling and cementing. Blowout preventor will be tested each day.

It is proposed to run New 2 3/8" tubing to Dakota zone with packer set between Mesa Verde zone and Dakota zone. 2 3/8" EUE tubing will be run to Mesa Verde for (over) Mesa Verde, Chacra and Pictured Cliffs Production.

IF ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventor program, if any.

SIGNED Charles E. Desjardis TITLE Superintendent DATE 1-10-79

(This space for Federal or State office use)

APPROVED

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_

APPROVED BY MAY 9 1979  
CARL A. BARRICK

"APPROVAL TO FLARE GRANTED WHILE DRILLING AND TESTING"

CORRECTION OF APPROVAL IF ANY \_\_\_\_\_  
ACTING DISTRICT ENGINEER

JAN 11 1979

STIPULATIONS ATTACHED

\*See Instructions On Reverse Side

## Instructions

**General:** This form is designed for submitting proposals to perform certain well operations, as indicated, on all types of lands and leases for appropriate action by either a Federal 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.

**Item 1:** If the proposal is to redrill to the same reservoir at a different subsurface location or to a new reservoir, use this form with appropriate notations. Consult applicable State or Federal regulations concerning subsequent work proposals or reports on the well.

**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 14:** Needed only when location of well cannot readily be found by road from the land or lease description. A plat, or plats, separate or on this reverse side, showing the roads to, and the surveyed location of, the well, and any other required information, should be furnished when required by Federal or State agency offices.

**Items 15 and 16:** If well is to be, or has been directionally drilled, give distances for subsurface location of hole in any present or objective production zone.

**Item 23:** Consult applicable Federal or State regulations, or appropriate officials, concerning approval of the proposal before operations are started.

U.S. GOVERNMENT PRINTING OFFICE: 1967-O-711-306  
628-171

Completion of this well as shown above subject to approval by New Mexico Oil Conservation Commission for commingling of Mesa Verde, Chacra and Pictured Cliffs in wellbore. If commingling denied well will be completed as Mesa Verde - Dakota Dual.

All zones to be completed will be fractured to stimulate production.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DATE\*

(See other instructions on reverse side)

Form approved.  
Budget Bureau No. 42-R355.5.

5. LEASE DESIGNATION AND SERIAL NO.

NM-03381

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Breech B

9. WELL NO.

220-R

10. FIELD AND POOL, OR WILDCAT

South Blanco-PC

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

Section 14 26 N 7W

12. COUNTY OR PARISH

Rio Arriba

13. STATE

New Mexico

WELL COMPLETION OR RECOMPLETION REPORT AND LOG\*

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

2. TYPE OF COMPLETION: Dual Complete  
NEW WELL  WORK OVER  DEEP-EN  FLOG BACK  DIFF. RESVR.  Other and Commingled

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
At surface 1750 F E/L and 944 F N/L  
At top prod. interval reported below Same  
At total depth Same

14. PERMIT NO. DATE ISSUED

15. DATE SPUNDED 6-1-79 16. DATE T.D. REACHED 6-18-79 17. DATE COMPL. (Ready to prod.) 10-15-79 18. ELEVATIONS (DF, RESR, RT, GR, ETC.)\* 6537 Gr. 19. ELEV. CASINGHEAD 6537

20. TOTAL DEPTH, MD & TVD 7323 21. FLOG BACK T.D., MD & TVD 7323 22. IF MULTIPLE COMPL., HOW MANY\* 4 23. INTERVALS DRILLED BY ROTARY TOOLS 0-7323 CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 2720 to 2804 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN Ran Density and Induction Logs 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
10 3/4	32.75#	360	15 1/4	225 sacks	None
7	23 & 26#	7323	8 3/4	1188 sacks	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	5190	5283

31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH	SIZE	NUMBER	DEPTH	SIZE	NUMBER	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
2720	.32	1	2752	.32	1	2720 to 2804	50,000# sand
2728	.32	1	2779	.32	1		1541 Bbls Water
2734	.32	1	2786	.32	1		
2740	.32	1	2794	.32	1		
2746	.32	1	2799	.32	1		

33. PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
10-22-79		Flowing				Shut In	
DATE OF TEST	HOURS TESTED	CHOKER SIZE	PROD'N. FOR TEST PERIOD	OIL—BSL.	GAS—MCF.	WATER—BSL.	GAS-OIL RATIO
10-22-79	3 hrs	3/4			125		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BSL.	GAS—MCF.	WATER—BSL.	OIL GRAVITY-API (CORR.)	
59	327			1005			

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

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 Charles DeGruen TITLE Superintendent DATE 10-23-79

\*(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 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.)

TD 7323. Ran 7<sup>th</sup> 23 & 26# K-55 ST<sup>h</sup> & C to 7323'. Cemented as follows: 1st thru shoe with 395 sacks 50-50 Poz, 6% Gel, 12 1/2# Gilsontite per sack followed by 125 sacks Latex cement. 2nd Stage thru stage tool set at 5212' with 278 sacks 50-50 Poz, 6% Gel, and 12 1/2# Gilsontite per sack followed 100 sacks Neat. 3rd Stage thru stage tool set at 3770' with 290 sacks 50-50 Poz, 6% Gel and 12 1/2# Gilsontite per sack followed by 100 sacks Neat.

Plug down on Final Stage 9:00 AM 6-19-79

37. SUMMARY OF FORMER ZONES OF PRODUCTION AND CONTINUED PRODUCTION; CONED INTERVALS; AND ALL PULL-STEM TESTS, INCLUDING OTHER INTERVAL TESTS, CHIMNEY CENS, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECORDS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS	
				NAME	TOP
				MARKER DEPTH	TRUE VERT. DEPTH
Ojo Alamo	2020	2190	Water Sand		
Pictured Cliffs	2708	2800	Gas Sand	Pictured Cliffs	2708
Chacra	3608	3723	Gas Sand	Chacra	3608
Point Lookout	5020	5155	Gas Sand	Point Lookout	5020
Dakota	7050	7245	Gas Sand	Dakota	7050
Hole Deviation	Test (Degree)				
60	1				
10	3/4				
1364	3/4				
1861	3/4				
2115	3/4				
2829	3/4				
3331	1				
3833	1				
4213	1				
4808	1				
5311	3/4				
5816	1				
6317	1				
6818	1				
6972	1 1/4				
7340	1				

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780, Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1750' F E/L and 944' F N/L  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input checked="" type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other)	<input type="checkbox"/>		<input type="checkbox"/>

5. LEASE  
NM-03381

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breech B

9. WELL NO.  
220-R

10. FIELD OR WILDCAT NAME  
Basin Dakota

11. SEC., T., R., M. OR BLK. AND SURVEY OR AREA  
Section 14 26N 7W

12. COUNTY OR PARISH | 13. STATE  
Rio Arriba | New Mexico

14. API NO.

15. ELEVATIONS (SHOW DEPTH, KDB, AND WD)  
6537' GR.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spud at 12:00 AM 6-1-79.

Drilled 15½" hole to 360'.

Cemented 10 3/4" New 32 75# H-40 casing at 360' with 225 sacks. Cement circulated to surface.

Plug down 12:00 PM 6-2-79.

Tested surface casing 6-3-79 with 600# for 30 minutes. No decrease in pressure.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles E. Dejean TITLE Superintendent DATE 6-6-79

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

GPJ 30-039-21993

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S. NO.	
LAND OFFICE	
TRANSPORTER	
OPERATOR	
REGISTRATION OFFICE	
OPERATOR	

**Caulkins Oil Company**  
Address  
P.O. Box 780, Farmington, New Mexico

Reason(s) for filing (Check proper box)	Change in Transporter of:	Other (Please explain)
New Well <input checked="" type="checkbox"/>	Oil <input type="checkbox"/>	Commingled Pictured Cliffs, Chacra and Mesa Verde
Recompletion <input type="checkbox"/>	Dry Gas <input type="checkbox"/>	
Change in Ownership <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/>	
	Condensate <input type="checkbox"/>	

If change of ownership give name and address of previous owner \_\_\_\_\_

**DESCRIPTION OF WELL AND LEASE**

Lease Name Braech B	Well No. 220-R	Pool Name, including Formations South Blanco-PC, Blanco-MV	Kind of Lease State, Federal or Fee	Lease No. NM-03381
Location Unit Letter <u>B</u> ; <u>1750</u> Feet From The <u>East</u> Line and <u>944</u> Feet From The <u>North</u>				
Line of Section <u>14</u> Township <u>26 North</u> Range <u>7 West</u> , NMPM, Rio Arriba County				

**DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS**

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Shell Pipeline	P.O. Box 940, Bloomfield, New Mexico
Name of Authorized Transporter of Casinghead Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Gas Company of New Mexico	1508 Pacific Ave., Dallas, Texas
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? when
	C 9 26N 6W No

If this production is commingled with that from any other lease or pool, give commingling order number: R-5926

**COMPLETION DATA**

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v.	Diff. Res'v.
(X)		X	X					
Date Spudded 6-1-79	Date Compl. Ready to Prod. 10-15-79	Total Depth 7323	P.B.T.D. 7323					
Elevations (DF, RKB, RT, GR, etc.) 6537 Gr.	Name of Producing Formation Pictured Cliffs, Chacra	Top Oil/Gas Pay 2720	Tubing Depth 7230					
Perforations 2720 to 5162	Depth Casing Shoe 7323							

**TUBING, CASING, AND CEMENTING RECORD**

MOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
15 1/4	10 3/4	360	225
8 3/4	7	7323	1188
	2 3/8	5190	

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

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

**GAS WELL**

Actual Prod. Test-MCF/D 1005	Length of Test 3 hrs.	Bble. Condensate/MMCF	Gravity of Condensate
Testing Method (prior, back pr.) Back Pressure	Tubing Pressure (shut-in) 579	Casing Pressure (shut-in) 519	Choke Size 3/4"

**CERTIFICATE OF COMPLIANCE**

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

Charles E. Desjardis  
(Signature)  
Superintendent  
(Title)  
10-23-79  
(Date)

**OIL CONSERVATION DIVISION**  
**DEC 26 1979**  
APPROVED \_\_\_\_\_, 19\_\_\_\_  
BY GPJ  
SUPERVISOR DISTRICT  
TITLE \_\_\_\_\_

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter, or other such change of condition.  
Concrete Form C-104 must be filed for each well to authorize

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE December 28, 1979

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF GAS FROM THE Caulkins Oil Company OPERATOR

Breech B LEASE      220-R WELL UNIT      (B)14-26N-07W S - T - R

South Blanco Pictured Cliffs POOL      Gas Company of New Mexico NAME OF PURCHASER

WAS MADE ON 12-27-79 DATE , FIRST DELIVERY 12-27-79 DATE

1356\*  
INITIAL POTENTIAL

\*NOTE: Commingled with Blanco MV pool and Otero Chacra pool

2170 PC  
3270 Chacra  
4770 MV

Gas Company of New Mexico  
PURCHASER

J. R. Large  
REPRESENTATIVE  
James R. Large  
Dispatch Manager  
TITLE

/sw  
cc: OPERATOR  
New Mexico Oil Conservation Commission - Aztec  
U. S. Geological Survey  
Mr. E. R. Corliss, Engineering  
Mr. R. J. McCrary, Prorations  
Mr. Dan McFearin, Gas Accting.  
Mr. W. B. Richardson, Gas Measurement  
MS. Gull McKinias, Gas Supply

File

# CAULKINS OIL COMPANY

P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

WELL NO. 220

Cumulative Production Thru 1974	502,782	MCF
1975	15,245	
1976	11,235	
1977	20,300	
1978	6,131	
1979	8,398	
1980	2,297	
Total	<u>566,488</u>	MCF

Monthly Production	1979	1980
January	1,659	628
Febuary	1,313	865
March	1,309	731
April	667	173
May	548	0
June	266	0
July	125	0
August	0	0
September	87	0
October	147	0
November	1,052	0
December	1,980	0

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780, Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 990' F/N and 990' F/E  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

5. LEASE  
NM-03381

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breech B

9. WELL NO.  
220

10. FIELD OR WILDCAT NAME  
South Blanco Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 14, 26N 7W

12. COUNTY OR PARISH  
Rio Arriba

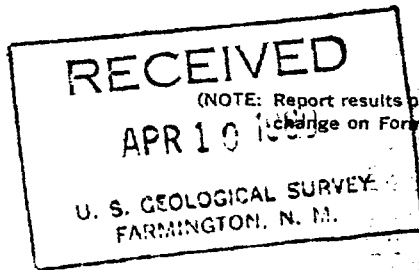
13. STATE  
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
6537 DF

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input checked="" type="checkbox"/>
(other) <input type="checkbox"/>	



17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

4-2-80

Spotted cement Plug 2816' to 1500'.

Spotted 9.0# Gel Based Mud 1500' to 200'.

Perforated 4 1/2" casing at 200' and then circulated cement 200' to surface.

Welded marker to top of 4 1/2" casing.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles E. Vergara SUPERINTENDENT DATE 4-2-80 [Signature]

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**OPERATOR**

\*See Instructions on Reverse Side

RULES AND REGULATIONS NGPA SECTION 6

Rule #1

307-M located 1120' From South and 1520' From East of Section 13, 26N 7W, Rio Arriba County, New Mexico to replace 310 located 965' From South and 1125' From East of Section 13, 26N 7W.

Rule #2

Well history on attached Sundry Notice form.

Rule #4

Set for hearing for exemption.

Rule #5

Plat attached.

Rule #6

- (a) Cost of replacing 310 Pictured Cliffs in new well No. 307-M as allocated from total cost of new well \$28,076.11.
- (b) 310 casing failure also caused formation damage due to water migrating from Alamo Water Sands into Pictured Cliffs Sand.
- (d) Plugging information attached.

Rule #8

(307-M) Copy of Spudding Notice, Completion Report and C-104 ~~+~~ Copy of Gas Company of New Mexico Notice of 1st delivery of Gas.

BEFORE THE OIL CONSERVATION COMMISSION Santa Fe, New Mexico	
Case No. <u>8267</u>	Exhibit No. <u>13</u>
Submitted by <u>Caulkins</u>	
Hearing Date <u>9/12/84</u>	



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back (as different reservation) Use Form 9-431-C for such proposals)

1. ON well  GAS well  OTHER

2. NAME OF OPERATOR  
Caurikins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY, See space 17 below.)  
AT SURFACE: 965' From South & 1125' From East  
ATEXOR PROD. INTERVALS: Same  
AT TOTAL DEPTH: Same

5. LEASE  
NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breahe

9. WELL NO.  
310

10. FIELD OR WILDCAT NAME  
South Blanco Pictured Cliffs

11. SEC., T., R., ME OR BLK. AND SURVEY OR AREA  
Section 13 26 North 7 West

12. COUNTY OR PARISH 13. STATE  
Rio Arriba New Mexico

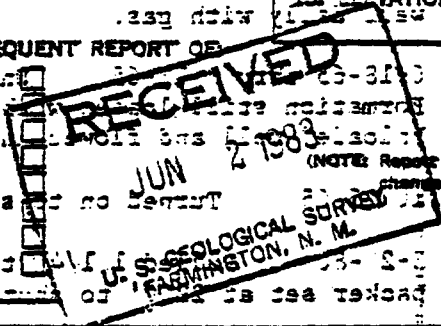
14. API NO.

15. ELEVATIONS (SHOW OF. KDB. AND WD)  
6155 DF

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:  TEST WATER SHUT-OFF  FRACTURE TREAT  SHOOT OR ACIDIZE  REPAIR WELL  PULL OR ALTER CASING  MULTIPLE COMPLETE  CHANGE ZONES  ABANDON (other)

SUBSEQUENT REPORT ON:  NEW LEASING  REVISIONS  CORRECTIONS  NO REPORT



17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well history of completion 13-21-51 to 03-22-52  
Spud 6:00 AM 10-16-58.  
6 5/8" 24# J-55 casing cemented 127' with 100 sacks.  
Cement circulated. Plug down 2:00 PM 10-16-58.  
Drilled 7 7/8" hole to TD 2475'. Cemented 5 1/2" 14# J-55 casing at 2460' with 200 sacks. Plug down 10-21-58. No temperature survey run. Calculated top 1395'.  
Completed ready to produce thru perforations 2356' to 2390' 10-21-58.  
(Continued on attached sheet)

Subsurface Safety Valve Make and Type

18. I hereby certify that the foregoing is true and correct

SIGNED *Charles E. ...* TITLE Superintendent DATE 6/1/83

APPROVED BY *[Signature]* TITLE *[Title]* DATE *[Date]*

CONDITIONS OF APPROVAL IF ANY

DISTRICT ENGINEER

OPERATOR

\*See Instructions on Reverse Side

**Instructions**

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

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

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

11-6-58 Initial potential run. Rate of flow 1,541 MCFPD.  
 Casing failure detected March, 1965.  
 6-10-65 Set Bridge Plug in 5 1/2" casing at 2287'.  
 Ran Packers and found casing bad from 1160' to 1410'.  
 Ran cement retainer to 1103' and squeezed with 200 sacks.  
 Drilled out cement to 1360'. No cement below 1360'.  
 6-11-65 Ran cement retainer to 1073'. Squeezed with  
 100 sacks Class C Cement containing 2% CaCl and 6% Halad 9.  
 Initial Pressure 1100#.  
 6-12-65 Drilled out retainer and cement to 1360'.  
 Casing held 600# for 30 minutes.  
 6-15-65 Drilled out Bridge Plug at 2287' and cleaned  
 out to 2390'.  
 6-17-65 Ran 1 1/4" tubing to 2376'. Started unloading  
 well daily with gas.  
 6-18-65 thru 7-13-65 Unloaded well daily with gas.  
 Formation still loaded with water. 7-13-65 thru 10-20-65  
 Unloaded well and flowed intermittently to clean up.  
 10-25-65 Turned on to sales line.  
 11-27-80 Pulled 1 1/4" tubing. Ran 2 3/8" tubing with  
 packer set at 2200' to shut off leak in casing.  
 1-29-80 Ran 1" tubing to 2250'.  
 3-30-80 to 12-15-81 Attempted to flow well each month  
 to unload water. Formation logged off with water.  
 Annual production from 1958 thru 1982 tabulated below:  

Year	Annual Gas Production
1958	6,323
1959	76,046
1960	51,322
1961	44,991
1962	38,115
1963	30,451
1964	26,418
1965	1,878
1966	7,754
1967	22,398
1968	27,341
1969	27,999
1970	23,237
1971	24,223
1972	26,485
1973	22,592
1974	20,071
1975	20,736
1976	21,928

Continued

1977	24,343	Annual Gas Production
1978	17,754	"
1979	18,576	"
1980	2,437	"
1981	167	"
1982	3,897	"

It is now proposed to Plug and Abandon Pictured Cliffs formation in this well and replace it in Well No. 307-M, to be drilled 1120' from South and 1520' from East of Section 13, 26 North, 6 West.

Formation Tops:

Ojo Alamo	1608'
Pictured Cliffs	2350'

We propose to pull tubing with Packer then run Bond Log from 2400' to surface to determine cement top and also cement top and bottoms of squeeze job done in 1965.

Cement Plugs will then be set over perforations 2356' to 2390' and up the hole to 2250'.

If cement covered Ojo Alamo 1608' to 1830' a 100' Plug will be set inside casing 1550' to 1650'. If it is not covered 5 1/2" casing will be perforated and then squeezed at the top of the Alamo.

A Cement Plug will be spotted 50' below previous leak area 1360' to 1100' (60' above top of bad casing.)

5 1/2" casing will be perforated at 127' and a 25 sack squeeze job done to tie in surface casing and production casing.

A Cement Plug will be spotted from 127' to surface.

A Monument will be permanently welded to top of 5 1/2" casing and engraved with required information.

Proposed starting date of plugging operations, August 1, 1983.

# CAULKINS OIL COMPANY

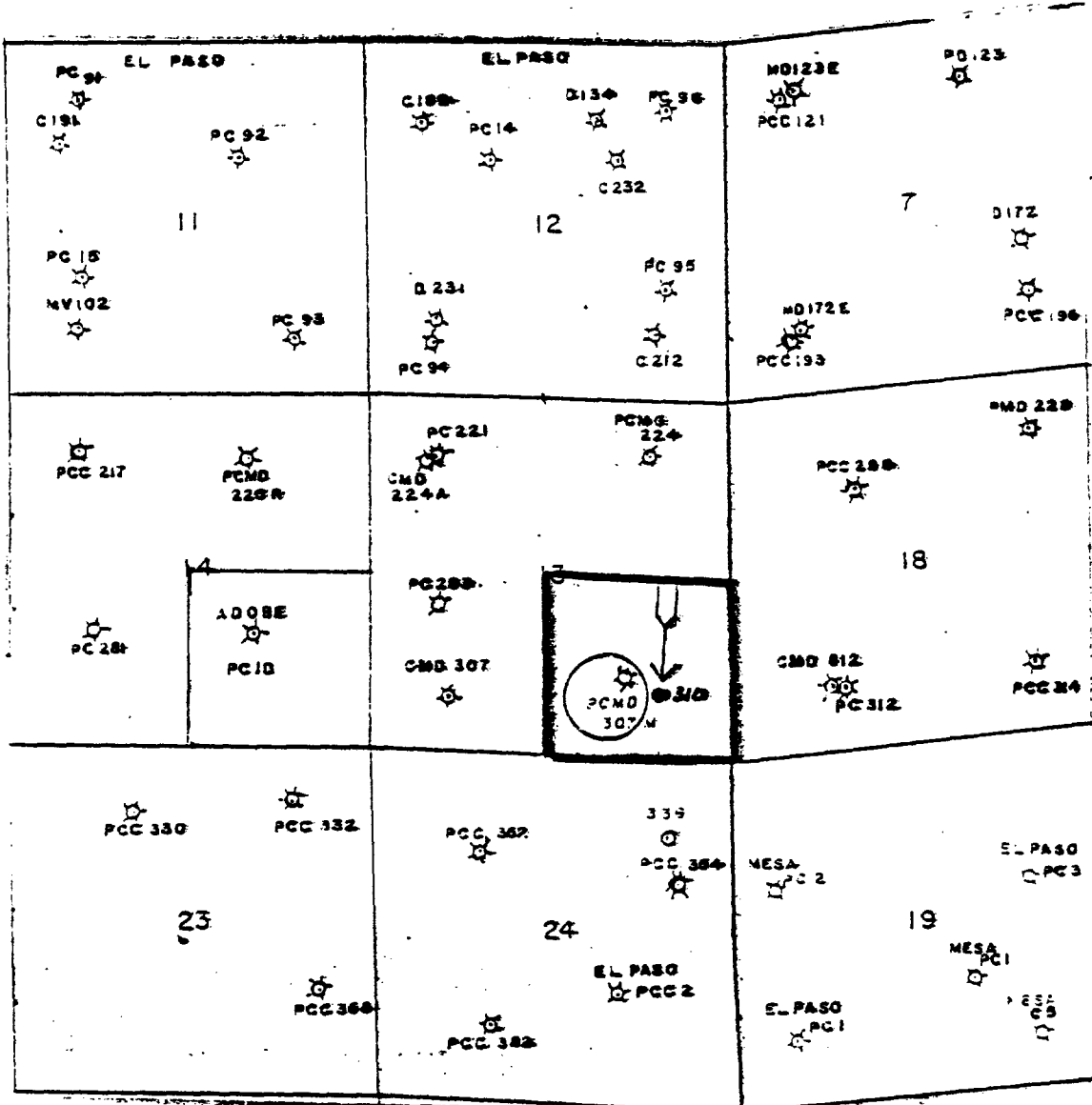
P. O. BOX 780  
FARMINGTON, NEW MEXICO 87401

PRORATION UNIT: SE 1/4 of Section 13 26N 7W, Rio Arriba County, N.M.

Well No. 310 - Original well Pictured Cliffs Zone, marked with arrow

Well No. 307 M - Replacement well Pictured Cliffs Zone, marked with circle

All acreage on this plat, not otherwise identified, operated by Caulkins



- P or PC = Pictured Cliffs Completion
- C = Chacra Completion
- M or MV = Mesa Verde Completion
- G = Greenhorn Completion
- D = Dakota Completion

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well:  gas well:  other: \_\_\_\_\_

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below)  
AT SURFACE: 965' From South & 1125' From East  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

5. LEASE  
NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breach

9. WELL NO.  
310

10. FIELD OR WILDCAT NAME  
South Blanco Pictured Cliffs

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 13, 26 North, 7 West

12. COUNTY OR PARISH  
Rio Arriba

13. STATE  
New Mexico

14. APT NO.

15. ELEVATIONS (SHOW OF, KDB, AND WD)  
6155 DF

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(other)		

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

8-2-83 Ram Cement Bond Log.  
Found cement covering Alamo. Cement top 1200'.  
Perforated 2 holes in 5 1/2" Casing at 126'.  
Ram 2 3/8" Tubing to 2400'.  
Spotted cement 2400' to 2100'. (41 Cu.Ft.)  
Spotted 9# Gel Based Mud 2100' to 1900'.  
Spotted Cement Plug inside pipe 1900' to 1550'. (58 Cu.Ft.)  
Spotted 9# Gel Based Mud 1550' to 1200'.  
Spotted Cement Plug 1200' to 900'. (41 Cu.Ft.)  
Spotted 9# Gel Based Mud 900' to 126'.  
Circulated Cement surface to 126' (perforations) and back to surface thru Bradenhead. (Over)

Subsurface Safety Valve Make and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct  
SIGNED Charles E. Vergara TITLE Superintendent DATE 8-17-83

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See instructions on Reverse Side

## Instructions

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

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

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

8-3-83

Built Monument.

A 4 1/2" X 10' Monument has been welded to top of Surface Casing then hole filled with gravel.

Monument is permanently inscribed with following information:

Caulkins Oil Company  
Well No. Breech 310  
Lease No. NM 03733  
SE 1/4 SE 1/4 Sec. 13 26N 7W  
Rio Arriba County, New Mexico

Surface will be cleaned, bar ditches built and reseeding done before September 1, 1983.

Sunray Notice will be filed when Location is ready for inspection.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well  gas well  other

2. NAME OF OPERATOR  
Caulkins Oil Company

3. ADDRESS OF OPERATOR  
P.O. Box 780 Farmington, New Mexico

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1120' From South & 1520' From East  
AT TOP PROD. INTERVAL: Same  
AT TOTAL DEPTH: Same

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE REPORT, OR OTHER DATA

5. LEASE  
NM 03733

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Breech

9. WELL NO.  
307-M

10. FIELD OR WILDCAT NAME  
Blanco Mesa Verde Basin Dakota

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 13, 26 North, 7 West

12. COUNTY OR PARISH  
Rio Arriba

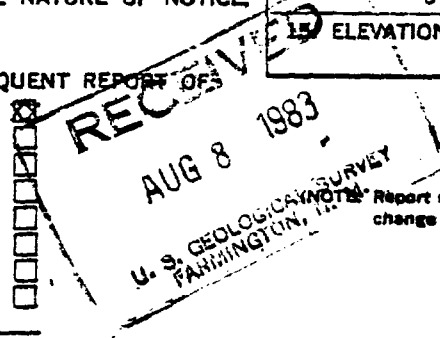
13. STATE  
New Mexico

14. API NO.  
6146 GR

15. ELEVATIONS (SHOW DF, KOB, AND WD)

- REQUEST FOR APPROVAL TO:
- TEST WATER SHUT-OFF
  - FRACTURE TREAT
  - SHOOT OR ACIDIZE
  - REPAIR WELL
  - PULL OR ALTER CASING
  - MULTIPLE COMPLETE
  - CHANGE ZONES
  - ABANDON\*
  - (other)

SUBSEQUENT REPORT OF



\*Report results of multiple completion or zone change on Form 9-330.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Spud at 5:00 PM 7-30-83

Drilled 12 1/4" hole to 615'.

Cemented New 9 5/8" 36# H-40 Casing to 610' with 500 sacks (590 Cu.Ft.) Neat Cement containing 2% CaCl per sack.

Cement circulated to surface.

Plug down 9:30 AM 7-31-83.

Tested surface casing with 1200#. Held OK.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles C. Vignier TITLE Superintendent DATE 8-2-83

(This space for Federal or State office use)

ACCEPTED FOR RECORD

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

AUG 19 1983

\*See Instructions on Reverse Side

OPERATOR

FARMINGTON RESOURCE AREA  
FARMINGTON, NEW MEXICO  
BY SMH

**UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY**

SUBMIT IN DUPLICATE\*

(See other in-  
structions on  
reverse side)

Form approved,  
Budget Bureau No. 42-R355.5.

**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 _____				5. LEASE DESIGNATION AND SERIAL NO. <p align="center">NM 03733</p>	
2. 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. LEVEL <input type="checkbox"/> Other _____				6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR <p align="center">Caulkins Oil Company</p>				7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR <p align="center">P.O. Box 780 Farmington, New Mexico</p>				8. FARM OR LEASE NAME <p align="center">Breech</p>	
4. LOCATION OF WELL (Report location clearly and in accordance with any lease requirements): At surface 1120' From South & 1520' From East: _____ At top prod. interval reported below Same At total depth Same				9. WELL NO. <p align="center">307-M</p>	
14. PERMITS NO. _____ DATE ISSUED _____				10. FIELD AND POOL OR WILDCAT <p align="center">South Blanco Pictured Cliffs</p>	
15. DATE SPUDDED 7-30-83				11. SEC., T., R., M., OR BLOCK AND SURVEY OR ABRA <p align="center">Section 13, 26 North, 7 West</p>	
16. DATE T.D. REACHED 8-9-83		17. DATE COMPL. (Ready to prod.) 9-21-83		12. COUNTY OR PARISH <p align="center">Rio Arriba</p>	
18. ELEVATIONS (DP, REB, AT, OR, ETC.)* 6146 GR		19. ELEV. CASINGHEAD 6888'		13. STATE <p align="center">New Mexico</p>	
20. TOTAL DEPTH, MD & TVD 6888'		21. FLOOR, BACK T.D., MD & TVD 6888'		22. IF MULTIPLE COMPL., HOW MANY* (4) FOUR	
23. INTERVALS DRILLED BY _____				24. ROTARY TOOLS 0-6888	
25. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* <p align="center">2281' to 2362' (Pictured Cliffs)</p>				26. WAS DIRECTIONAL SURVEY MADE <p align="center">No</p>	
27. TYPE ELECTRIC AND OTHER LOGS RUN <p align="center">Gamma Ray Neutron Log</p>				28. WAS WELL CORED <p align="center">No</p>	
29. CASING RECORD (Report all strings set in well)					
CASING SIZE		WEIGHT, LB./FT.		DEPTH SET (MD)	
9 5/8"		36# H-40		616'	
5 1/2"		15.5 & 17#		6888'	
HOLE SIZE		CEMENTING RECORD		AMOUNT PULLED	
12 1/4"		500 sacks (590 Cu.Ft.)		None	
7 7/8"		1400 sacks (2122 Cu.Ft.)		None	
30. LINER RECORD					
SIZE		TOP (MD)		BOTTOM (MD)	
1 1/4"		3300'		3337'	
31. PREPARATION RECORD (Interval, size and number)					
1-.42-2281		1-.42-2302		1-.42-2362	
1-.42-2286		1-.42-2321			
1-.42-2292		1-.42-2342			
1-.42-2295		1-.42-2346			
1-.42-2298		1-.42-2352			
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
2281' to 2362'		750,000# 20-40 sand and 1451 bbls. Gel Fluid			
33. PRODUCTION					
DATE FIRST PRODUCTION 9-28-83		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) <p align="center">Flowing</p>		WELL STATUS (Producing or shut-in) <p align="center">Shut-in</p>	
DATE OF TEST 9-28-83		HOURS TESTED 3 HOURS		CHECKS SIZE 3/4"	
FLOW. TUBING PRESS. 63		CASING PRESSURE 564		CALCULATED 24-HOUR RATE _____	
OIL—SEL.		GAS—MCF. 249		WATER—SEL.	
OIL—SEL.		GAS—MCF. 1,999		WATER—SEL.	
34. DEPOSITION OF GAS (Sold, used for fuel, vented, etc.) <p align="center">Gas to be sold to Gas Company of New Mexico (Condensate to Shell Oil Co.)</p>				TEST WITNESSED BY	

35. LIST OF ATTACHMENTS  

Complete Cementing Records

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

ACCEPTED FOR RECORD

SIGNED Charles DeGuzman TITLE Superintendent DATE 9-29-83  

OCT 05 1983

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

**OPERATOR**

FARMINGTON RESOURCE AREA  
BY Sm



# 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 38, 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 dated 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 10: 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 23 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 RECORDER

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS
Alamo	1510	1798	Water Sand	Alamo	MEAS. DEPTH 1510
Pictured Cliffs	2274	2372	Gas Sand	Pictured Cliffs	2274
Chacra	3224	3326	Gas Sand	Chacra	3224
Mesa Verde	4204	4765	Gas Sand	Mesa Verde	4204
Dakota	6642	6830	Gas Sand	Dakota	6642
Hole Deviation Test					
	Depth		Degrees		
	615		2		
	1104		2 1/2		
	1618		2 3/4		
	2427		2 3/4		
	2887		2 1/2		
	3295		2		
	3784		2		
	4290		1 1/2		
	4803		2		
	5228		1 3/4		
	5725		1 3/4		
	6231		1 1/2		

307-M

Ran 5 1/2" Production Casing as follows:

6888' to 127'	(6541')	New 5 1/2"	15.5#	ST&C	K-55 Smls Casing
127' to Surface	( 127')	New 5 1/2"	17#	LT&C	K-55 Smls Casing

Stage Tools run in Casing string at 4812' and 3378'.

Cement Baskets run in Casing string at 4944' and 3393'.

Centralizers run on Casing string at following points:

6847', 6806', 6764', 6722', 6681', 6640', 6598', 6556', 6514', 6473', 6431', 6390', 6349', 6307', 4851', 4771', 4733', 4697', 4656', 3418', 3338', 3297', 2425', 2387', 2345' and 2305'.

Cemented 5 1/2" Casing in 3 Stages.

First Stage thru shoe at 6888' with 250 sacks (412.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat Cement.  
Plug down 10:45 PM 8-9-83.

Second Stage cemented thru Stage Tool set at 4812' with 150 sacks (247.5 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 100 sacks (118 Cu.Ft.) Neat cement.  
Plug down 11:45 PM 8-9-83.

Third Stage cemented thru Stage Tool set at 3378' with 600 sacks (990 Cu.Ft.) 50-50 Poz, 6% Gel, 12 1/2# Gilsonite per sack followed by 200 sacks (236 Cu.Ft.) Neat Cement.  
Plug down 1:30 AM 8-10-83.

Circulated approx 5 bbl. slurry from both first and second stages.

Circulated no cement from third stage. Cement top 925' Temperature Survey attached.

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

DATE November 21, 1983

THIS IS TO NOTIFY THE OIL CONSERVATION COMMISSION THAT CONNECTION FOR THE PURCHASE OF

GAS FROM THE Caulkins Oil Company

OPERATOR

Breech

307-M

(O) 13-26N-07W

LEASE

WELL UNIT

S-T-R

\* South Blanco Pictured Cliffs

Gas Company of New Mexico

POOL

NAME OF PURCHASER

WAS MADE ON 11-16-83

, FIRST DELIVERY 11-16-83

DATE

DATE

744

INITIAL POTENTIAL

\*Downhole Commingled with Otaro Chacra

Gas Company of New Mexico

PURCHASER

cc: OPERATOR

- New Mexico Oil Conservation Commission - Aztec
- Minerals Management Service - Oil & Gas
- Mr. E.R. Corliss, Engineering
- Mr. R.J. McCrary, Gas Contracts Adm.
- Prorations Dept., Albuquerque
- Mr. Robert Utay, Gas Accounting
- Mr. Joel Levine, Gas Supply
- Chart Office, Kutz
- Mr. Perry McFarland, Kutz
- File

REPRESENTATIVE

J.R. Large

Dispatch Manager

TITLE

OIL CONSERVATION DIVISION  
P. O. BOX 2088  
SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE  
AND  
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.A.	
LAND OFFICE	
TRANSPORTER	OIL
	GAS
OPERATOR	
REGISTRATION OFFICE	

I. Operator Caulkins Oil Company

Address P.O. Box 780 Farmington, New Mexico

Reason(s) for filing (Check proper box) Other (Please explain)

New Well  Change in Transporter of:

Recompletion  Oil  Dry Gas

Change in Ownership  Compressed Gas  Condensate

If change of ownership give name and address of previous owner \_\_\_\_\_

II. DESCRIPTION OF WELL AND LEASE

Lease Name <u>Breech</u>	Well No. <u>307-M</u>	Pool Name, including Formation <u>South Blanco Pictured Cliffs -</u>	Kind of Lease <u>State, Federal or Fee Federal</u>	Lease No. <u>NM03733</u>
Location Unit Letter <u>0</u> ; <u>1120</u> Feet From The <u>South</u> Line and <u>1520</u> Feet From The <u>East</u>				
Line of Section <u>13</u> Township <u>26 North</u> Range <u>7 West</u> , NMPM, <u>Rio Arriba</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input type="checkbox"/> or Condensate <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Giant Refinery Company</u>	<u>P.O. Box 256 Farmington, New Mexico</u>
Name of Authorized Transporter of Compressed Gas <input type="checkbox"/> or Dry Gas <input checked="" type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
<u>Gas Company of New Mexico</u>	<u>1508 Pacific Ave. Dallas, Texas</u>
If well produces oil or liquids, give location of tanks.	Unit <u>0</u> Sec. <u>13</u> Twp. <u>26N</u> Rgn. <u>7W</u> Is gas actually compressed? <u>No</u> When _____

If this production is commingled with that from any other lease or pool, give commingling order number: R-5648

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Reserv.	Diff. Reserv.
		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
Date Spudded <u>7-30-83</u>	Date Compl. Ready to Prod. <u>9-21-83</u>	Total Depth <u>6888'</u>	P.B.T.D. <u>6888'</u>					
Elevations (DF, RKB, RT, CR, etc.) <u>6164 GR</u>	Name of Producing Formation <u>Pictured Cliffs Chacra</u>	Top Oil/Gas Pay <u>2281'</u>	Tubing Depth <u>3300'</u>					
Perforations <u>3231' to 3323' (Chacra) 2281' to 2362' (Pictured Cliffs)</u>			Depth Casing Shoe <u>3300'</u>					
<b>TUBING, CASING, AND CEMENTING RECORD</b>								
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT					
<u>12 1/4"</u>	<u>9 5/8"</u>	<u>615'</u>	<u>500 sacks (590 Cu. Ft.)</u>					
<u>7 7/8"</u>	<u>5 1/2"</u>	<u>6888'</u>	<u>1400 sacks (2122 Cu. Ft.)</u>					
	<u>1 1/4"</u>	<u>3300'</u>						

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

Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	<b>RECEIVED</b>
Length of Test	Tubing Pressure	Casing Pressure	
Actual Prod. During Test	Oil-Shls.	Water-Shls.	

GAS WELL

Actual Prod. Test - MCF/D HL <u>144</u>	Length of Test	Shls. Condensate/MCF	Gravity of Condensate
<u>1,062</u> <u>Chacra 519</u>	<u>3 Hours</u>		
Testing Method (psig, back pr.)	Tubing Pressure (Shls-in)	Casing Pressure (Shls-in)	Casing Size
<u>Back Pressure</u>	<u>661</u>	<u>642</u>	<u>3/4"</u>

CERTIFICATE OF COMPLIANCE

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

Charles E. Upmeyer  
(Signature)  
Superintendent  
(Title)  
9-29-83  
(Date)

OIL CONSERVATION DIVISION

APPROVED OCT 11 1983

BY Frank J. King

TITLE SUPERVISOR DISTRICT # 3

This form is to be filed in compliance with RULE 1104.  
If this is a request for allowable for a newly drilled or deepened well, this form must be accompanied by a tabulation of the deviation tests taken on the well in accordance with RULE 111.  
All sections of this form must be filled out completely for allowable on new and recompleted wells.  
Fill out only Sections I, II, III, and VI for changes of owner, well name or number, or transporter or other such change of condition.  
Separate Forms C-104 must be filed for each pool in multiply completed wells.