

KELLAHIN, KELLAHIN AND AUBREY

ATTORNEYS AT LAW

EL PATIO BUILDING

117 NORTH GUADALUPE

POST OFFICE BOX 2265

SANTA FE, NEW MEXICO 87504-2265

TELEPHONE (505) 982-4285  
TELEFAX (505) 982-2047

W. THOMAS KELLAHIN  
KAREN AUBREY

CANDACE HAMANN CALLAHAN

JASON KELLAHIN  
OF COUNSEL

October 23, 1990

Mr. William J. LeMay  
Oil Conservation Division  
Post Office Box 2088  
Santa Fe, New Mexico 87504

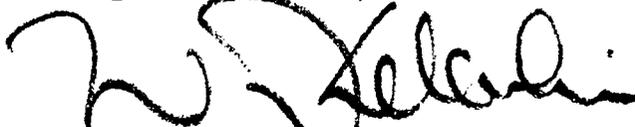
Re: Application of Meridian Oil Inc.  
for an Unorthodox Gas Well Location  
and Dual Completion, Basin Fruitland  
Coal Gas Pool, Blanco Mesa Verde Pool,  
Cain No. 3R Well, Section 30, T29N, R9W,  
San Juan County, New Mexico

Dear Mr. LeMay:

On behalf of Meridian Oil Inc, please find enclosed our Application for Dual Completion and an Unorthodox Well Location for the referenced well which we request be set for hearing on the next available Examiner's docket now scheduled for November 14, 1990.

By copy of this letter and Application to all parties, we are notifying them by certified mail, return-receipt requested, that they have the right to appear at the hearing, to make a statement to the Division, to present evidence and cross-examine witnesses either in support of in opposition to the Application.

Very truly yours,



W. Thomas Kellahin

WTK/tic  
Enclosure

xc: Mr. Alan Alexander  
Meridian Oil Inc.  
Post Office Box 4289  
Farmington, New Mexico 87499

William J. LeMay  
October 23, 1990  
Page 2

Certified mail return receipt

All parties listed on Paragraph 6  
of application

STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

IN THE MATTER OF THE APPLICATION OF  
MERIDIAN OIL INC. FOR APPROVAL  
FOR DUAL COMPLETION AND AN  
UNORTHODOX GAS WELL LOCATION,  
BASIN FRUITLAND COAL GAS POOL  
AND BLANCO MESA VERDE GAS POOL,  
SAN JUAN COUNTY, NEW MEXICO

10149

A P P L I C A T I O N

COMES NOW MERIDIAN OIL INC., by and through its attorneys, KELLAHIN, KELLAHIN & AUBREY, and applies to the New Mexico Oil Conservation Division for approval to recomplete as a dual completion and an unorthodox Basin Fruitland Coal Gas well location, for its Cain No. 3R Well which was drilled to the Blanco Mesa Verde Gas Pool at a location 1610 feet from the South line and 810 feet from the East line of Section 30, T29N, R9W, N.M.P.M., San Juan County, New Mexico with the dedication of a spacing and proration unit thereto consisting of the S/2 of Section 30 and in support states:

1. Applicant, Meridian Oil Inc., is the operator of and has the right to drill and develop the S/2 of Section 30, T29N, R9W, N.M.P.M., San Juan County, New Mexico.

2. In accordance with Division Order R-1870, the Applicant drilled the subject well at an approved well location for the Blanco Mesa Verde Gas Pool.

3. Applicant now seeks authority to produce the Basin Fruitland Coal Gas Pool at the unorthodox location and to dually complete the well for production from both the Basin Fruitland Coal Gas Pool and the Mesa Verde Gas Pool.

4. The well is located at an unorthodox well location 1610 feet from the South line and 810 feet from the East line of said Section 30.

5. Applicant proposes to dedicate the S/2 of Section 30 to the well.

6. In accordance with Division Rule 1207, the offset operators or working interest owners entitled to notice of this Application are as follows:

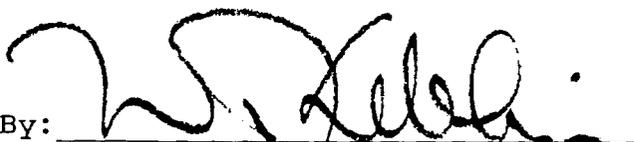
Amoco Production Company  
P.O. Box 800  
Denver, Colorado 80201

7. Approval of the Application, without a production penalty, will afford the operator and the other mineral interest owners for this spacing unit the

opportunity to recover its proportionate share of the gas from the two pools thereby preventing waste and protecting correlative rights.

WHEREFORE, Applicant requests that, after notice and hearing, this Application be approved as requested.

KELLAHIN KELLAHIN & AUBREY

By: 

W. Thomas Kellahin  
Post Office Box 2265  
Santa Fe, New Mexico 87504  
(505) 982-4285



STATE OF NEW MEXICO  
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT  
OIL CONSERVATION DIVISION

GARREY CARRUTHERS  
GOVERNOR

October 19, 1990

POST OFFICE BOX 2088  
STATE LAND OFFICE BUILDING  
SANTA FE, NEW MEXICO 87504  
(505) 827-5800

Meridian Oil, Inc.  
P.O. Box 4289  
Farmington, NM 87499-4289

Attention: Peggy Bradfield

*RE: Application for two unorthodox coal gas well locations: (1) San Juan 20A, 850' FNL - 1100' FWL (Unit E) of Section 35; and (2) Cain Well No. 3-R, 1610' FSL - 810' FEL (Unit I) of Section 30. Both in Township 29 North, Range 9 West, NMPM, Basin-Fruitland Coal Gas Pool, San Juan County, New Mexico.*

Dear Ms. Bradfield:

The Division has received an objection from Amoco Production Company by letter dated October 12, 1990 (see copy attached) to both of the subject applications. This matter will therefore be set for hearing before a Division Examiner on the next available docket, which is scheduled for November 14, 1990.

Please provide adequate notice for such applications prior to the hearing as required by Division General Rule 1207.

If you should have any questions, please contact me.

Sincerely,

Michael E. Stogner  
Chief Hearing Officer

MES/ag

cc: Oil Conservation Division - Aztec  
US Bureau of Land Management - Farmington  
W. Thomas Kellahin - Santa Fe  
William F. Carr - Santa Fe



OPERATION DIVISION  
RECEIVED

30 OCT 18 AM 9 35

**Amoco Production Company**

Denver Region  
1670 Broadway  
P.O. Box 800  
Denver, Colorado 80201  
303-830-4040

October 12, 1990

Meridian Oil Inc.  
3535 East 30th St.  
Farmington, New Mexico 87499

File CAW-222-986.511

San Juan 20A  
850' FNL, 1100' FWL, Section 35, T29N-R9W  
and  
Cain #3R  
1610' FSL, 810' FEL, Section 30, T29N-R9W  
San Juan County, New Mexico

Amoco Production Company objects to your request for unorthodox well locations for the above-captioned wells. These wells are located in the wrong quarter section and as such could potentially violate our correlative rights.

We recognize the economic advantage of recompleting existing wells as opposed to drilling new wells and have in the past not objected to numerous Meridian applications. In this instance, your proposed recompletions are offset on two or more sides by Amoco acreage which could be affected. We would prefer the recompletion or drilling of a well located in the correct quarter section.

If you would like to discuss this matter further, please contact Mr. Kevin Kilstrom or myself.

Sincerely,

J. W. Hawkins

cc: T. D. Autry  
M. E. Cuba  
E. L. Nitcher

✓ Mr. William LeMay  
NMOCD, 310 Old Santa Fe Trail  
Santa Fe, NM 87503



OIL CONSERVATION DIVISION  
RECEIVED

90 OCT 18 AM 9 35

Amoco Production Company

Denver Region  
1670 Broadway  
P.O. Box 800  
Denver, Colorado 80201  
303-830-4040

October 12, 1990

Meridian Oil Inc.  
3535 East 30th St.  
Farmington, New Mexico 87499

File CAW-222-986.511

San Juan 20A  
850' FNL, 1100' FWL, Section 35, T29N-R9W  
and  
Cain #3R  
1610' FSL, 810' FEL, Section 30, T29N-R9W  
San Juan County, New Mexico

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We recognize the economic advantage of recompleting existing wells as opposed to drilling new wells and have in the past not objected to numerous Meridian applications. In this instance, your proposed recompletions are offset on two or more sides by Amoco acreage which could be affected. We would prefer the recompletion or drilling of a well located in the correct quarter section.

If you would like to discuss this matter further, please contact Mr. Kevin Kilstrom or myself.

Sincerely,

J. W. Hawkins

cc: T. D. Autry  
M. E. Cuba  
E. L. Nitcher

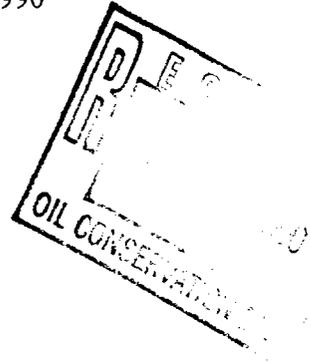
✓ Mr. William LeMay  
NMOCD, 310 Old Santa Fe Trail  
Santa Fe, NM 87503

# MERIDIAN OIL

September 25, 1990

Federal Express

Mr. William LeMay  
New Mexico Oil Conservation Division  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87503



RE: **Cain #3R**  
1610'FSL, 810'FEL  
Section 30, T-29-N, R-09-W  
San Juan County, New Mexico

Dear Mr. LeMay:

This is a request for administrative approval for a non-standard gas well location in the Basin Fruitland Pool.

Meridian Oil intends to recomplete the Cain #3R well in the **Basin Fruitland Coal pool and dual with the existing Mesa Verde formation**. The current location of this well is 1610'FSL, 810'FEL, Section 30, T-29-N, R-09-W, San Juan County, New Mexico. The well is considered non-standard due to the NE-SW dedicated pattern established for the Basin Fruitland Coal Pool. To comply with the New Mexico Oil Conservation Division rules, Meridian is submitting the following for your approval of this non-standard location:

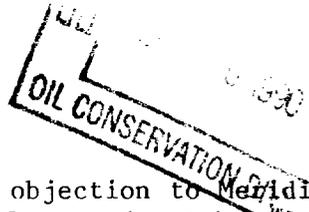
1. C-102 plat showing location of the well;
2. Plat showing offset owners/operators;
3. Affidavit of notification of offset owners/operators;
4. Copy of Well Completion Log for original completion.

A copy of this application is being submitted to all offset owners/operators by certified mail with a request that they furnish your Santa Fe office with a Waiver of Objection, and return one copy to this office.

Sincerely yours,

Peggy Bradfield  
encl.

WAIVER



\_\_\_\_\_ hereby waives objection to Meridian Oil Inc.'s application for a non-standard location for their Cain #3R as proposed above.

By: \_\_\_\_\_ Date: \_\_\_\_\_

xc: Meridian Oil Inc.  
Amoco Production Company

Cain #3R  
1610'FSL, 810'FEL  
Section 30, T-29-N, R-09-W  
San Juan County, New Mexico

I hereby certify that the following offset owners/operators have been notified by certified mail of our application for administrative approval for non-standard gas well location for the plugback and recompletion of the above well.

Meridian Oil Inc.  
P.O. Box 4289  
Farmington, NM 87499

Amoco Production Co.  
P.O. Box 800  
Denver, CO 80201



Peggy Bradfield  
September 25, 1990

San Juan County  
State of New Mexico

My commission expires August 17, 1992

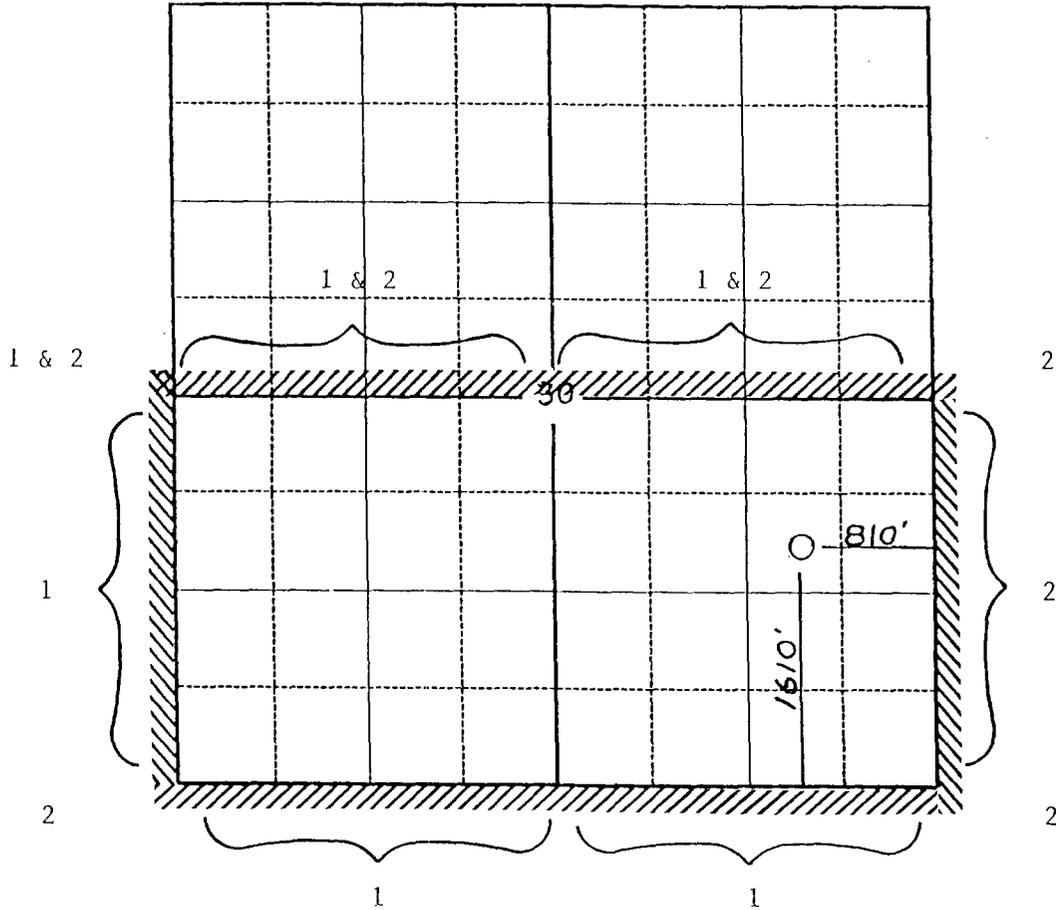
MERIDIAN OIL INC

Well Name Cain #3R

Footage 1610' FSL; 810' FEL

APPLICATION FOR NON-STANDARD LOCATION

County San Juan State New Mexico Section 30 Township 29N Range 9W



Remarks (1) Meridian Oil Inc.  
(2) Amoco Production Company  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

NEW MEXICO OIL CONSERVATION COMMISSION  
 WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
 Supersedes C-128  
 Effective 1-1-65

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

Operator SOUTHLAND ROYALTY COMPANY		Lease CAIN SF-080781		Well No. 3-3
Unit Letter I	Section 30	Township 29N	Range 9W	County San Juan
Actual Footage Location of Well: 1610 feet from the South line and 810 feet from the East line				
Ground Level Elev. 5701'	Producing Formation Mesa Verde/Fruitland	Pool Coal	Dedicated Acreage: 268.42 Acres	

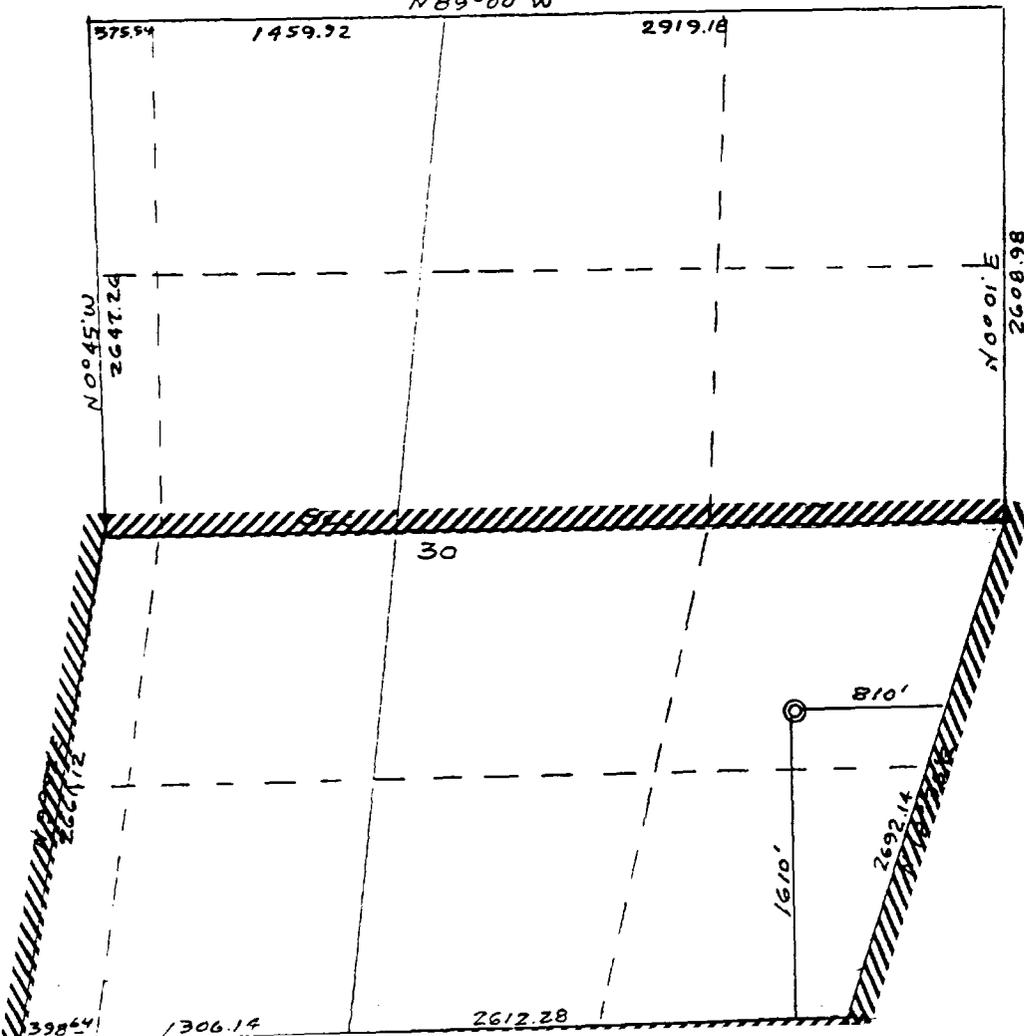
1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is 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 Commission.

Scale: 1" = 1000'  
 NB9°00'W



CERTIFICATION

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

Name Peggy Bradfield
Position Regulatory Affairs
Company Meridian Oil Inc.
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.

Date Surveyed May 5, 1978
Registered Professional Engineer and Land Surveyor <i>Fred B. Kerr Jr.</i> Fred B. Kerr Jr.
Certificate No.

September 25, 1990

'90 OCT 1 AM 9 37

Federal Express

Mr. William LeMay  
New Mexico Oil Conservation Division  
310 Old Santa Fe Trail  
Santa Fe, New Mexico 87503

RE: ~~Cain #3R~~ \*  
1610'FSL, 810'FEL  
Section 30, T-29-N, R-09-W  
San Juan County, New Mexico

Dear Mr. LeMay:

This is a request for administrative approval for a non-standard gas well location in the Basin Fruitland Pool.

Meridian Oil intends to recomplate the Cain #3R well in the Basin Fruitland Coal pool and dual with the existing Mesa Verde formation. The current location of this well is 1610'FSL, 810'FEL, Section 30, T-29-N, R-09-W, San Juan County, New Mexico. The well is considered non-standard due to the NE-SW dedicated pattern established for the Basin Fruitland Coal Pool. To comply with the New Mexico Oil Conservation Division rules, Meridian is submitting the following for your approval of this non-standard location:

1. C-102 plat showing location of the well;
2. Plat showing offset owners/operators;
3. Affidavit of notification of offset owners/operators;
4. Copy of Well Completion Log for original completion.

A copy of this application is being submitted to all offset owners/operators by certified mail with a request that they furnish your Santa Fe office with a Waiver of Objection, and return one copy to this office.

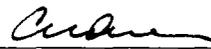
Sincerely yours,



Peggy Bradford  
encl.

WAIVER

Meridian Oil Inc. hereby waives objection to Meridian Oil Inc.'s application for a non-standard location for their Cain #3R as proposed above.

By:  Date: 9/26/90

xc: Meridian Oil Inc.  
Amoco Production Company

Cain #3R  
1610'FSL, 810'FEL  
Section 30, T-29-N, R-09-W  
San Juan County, New Mexico

I hereby certify that the following offset owners/operators have been notified by certified mail of our application for administrative approval for non-standard gas well location for the plugback and recompletion of the above well.

Meridian Oil Inc.  
P.O. Box 4289  
Farmington, NM 87499

Amoco Production Co.  
P.O. Box 800  
Denver, CO 80201



Peggy Bradfield  
September 25, 1990

San Juan County  
State of New Mexico

My commission expires August 17, 1992

**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.

SF-080781

6. IF INDIAN, ALLOTTEE OR TRIBE NAME \*

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cain

9. WELL NO.

3R

10. FIELD AND POOL, OR WILDCAT

Blanco Mesaverde

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

Section 30, T29N, R9W

12. COUNTY OR PARISH

San Juan

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

SOUTHLAND ROYALTY COMPANY

3. ADDRESS OF OPERATOR

P. O. DRAWER 570, FARMINGTON, NEW MEXICO 87401

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

At surface 1610' FSL & 810' FEL

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED

15. DATE SPUDDED 7-24-78	16. DATE T.D. REACHED 7-29-78	17. DATE COMPL. (Ready to prod.) 10-18-78	18. ELEVATIONS (DF, REB, RT, GR, ETC.)* 5701' GR	19. ELEV. CASINGHEAD
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20. TOTAL DEPTH, MD & TVD 4651'	21. PLUG, BACK T.D., MD & TVD 4576'	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY →	ROTARY TOOLS 0-4651'	CABLE TOOLS
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24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*  
4050'-4515' Mesaverde

25. WAS DIRECTIONAL SURVEY MADE  
Deviation

26. TYPE ELECTRIC AND OTHER LOGS RUN  
GR-Induction, GR-Density, GR-Correlation

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#	234'	12-1/4"	120 SXS	
7"	20#	2292'	8-3/4"	200 SXS	

29. LINER RECORD				30. TUBING RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	2113'	4648'	300 SXS		2-3/8"	4449'	----

31. PERFORATION RECORD (Interval, size and number)	32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.				
4050', 4055', 4060', 4065', 4306', 4310', 4316', 4343', 4347', 4355', 4360', 4365', 4383', 4423', 4443', 4450', 4511', 4515'	<table border="1"> <thead> <tr> <th>DEPTH INTERVAL (MD)</th> <th>AMOUNT AND KIND OF MATERIAL USED</th> </tr> </thead> <tbody> <tr> <td>4050'-4515'</td> <td>78,036 gals water 41,500# 20/40 sand</td> </tr> </tbody> </table>	DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED	4050'-4515'	78,036 gals water 41,500# 20/40 sand
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED				
4050'-4515'	78,036 gals water 41,500# 20/40 sand				

33.\* PRODUCTION

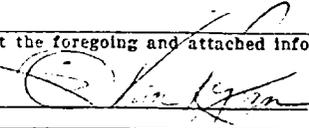
DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing	WELL STATUS (Producing or shut-in) shut in
DATE OF TEST 10-25-78	HOURS TESTED 3 hrs	CHOKE SIZE 3/4"
PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF. 3,078
WATER—BBL.	GAS—OIL RATIO	
FLOW. TUBING PRESS. 192	CASING PRESSURE 482	CALCULATED 24-HOUR RATE →
OIL—BBL.	GAS—MCF.	WATER—BBL.
		OIL GRAVITY-API (CORR.)

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

TEST WITNESSED BY  
Mike Cattaneo

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  TITLE District Production Manager DATE October 26, 1978

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

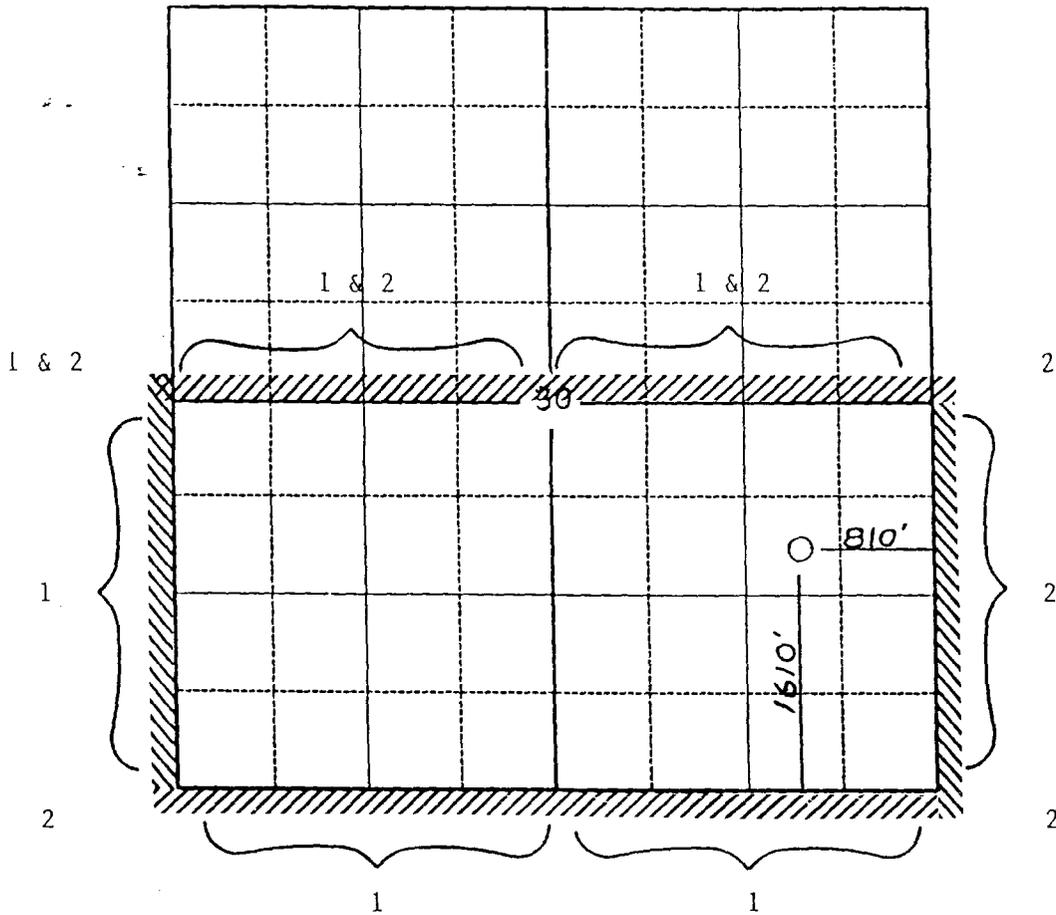
MERIDIAN OIL INC

Well Name Cain #3R

Footage 1610' FSL; 810' FEL

APPLICATION FOR NON-STANDARD LOCATION

County San Juan State New Mexico Section 30 Township 29N Range 9W



Remarks (1) Meridian Oil Inc.  
(2) Amoco Production Company

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NEW MEXICO OIL CONSERVATION COMMISS.  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supersedes C-128  
Effective 1-1-55

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

Operator SOUTHLAND ROYALTY COMPANY			Lease CAIN SF-080781		Well No. 3-3
Unit Letter I	Section 30	Township 29N	Range 9N	County San Juan	
Actual Footage Location of Well: 1610 feet from the South line and 810 feet from the East line					
Ground Level Elev. 5701'	Producing Formation Mesa Verde/Fruitland	Pool Coal	Dedicated Acreage Blanco/Basin		268.42 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).
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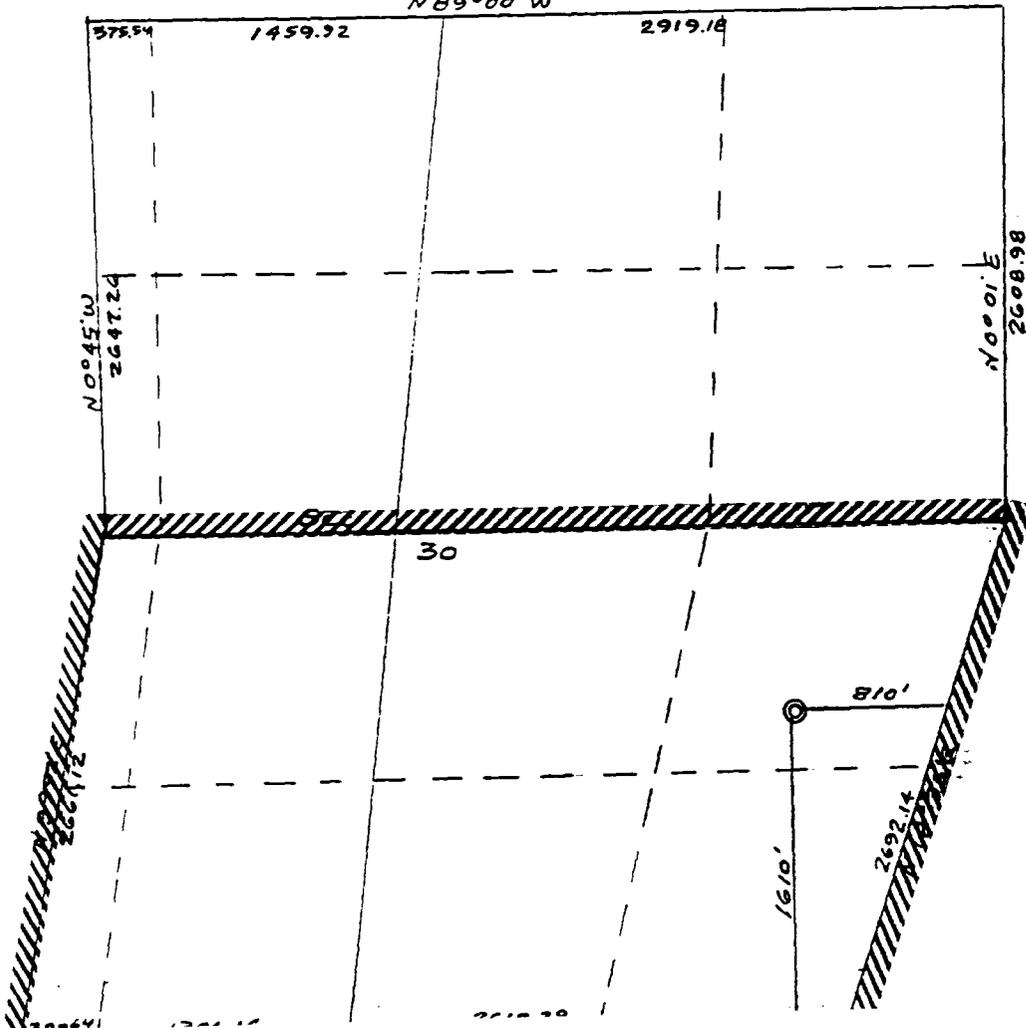
Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

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 Commission.

Scale: 1" = 1000'

N 89° 00' W



CERTIFICATION

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

Name Peggy Bradfield
Position Regulatory Affairs
Company Meridian Oil Inc.
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.

Date Surveyed May 5, 1973
Registered Professional Engineer and Land Surveyor <i>Fred B. Kerr Jr.</i> Fred B. Kerr Jr.
Certificate No.

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  
SOUTHLAND ROYALTY COMPANY

3. ADDRESS OF OPERATOR  
P. O. DRAWER 570, FARMINGTON, NEW MEXICO 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*  
 At surface 1610' FSL & 810' FEL  
 At top prod. interval reported below  
 At total depth

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

5. LEASE DESIGNATION AND SERIAL NO.  
SF-080781

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Cain

9. WELL NO.  
3R

10. FIELD AND POOL, OR WILDCAT  
Blanco Mesaverde

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA  
Section 30, T29N, R9W

12. COUNTY OR PARISH  
San Juan

13. STATE  
New Mexico

15. DATE SPUDDED 7-24-78 16. DATE T.D. REACHED 7-29-78 17. DATE COMPL. (Ready to prod.) 10-18-78 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5701' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 4651' 21. PLUG, BACK T.D., MD & TVD 4576' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY → 0-4651' ROTARY TOOLS CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 4050'-4515' Mesaverde 25. WAS DIRECTIONAL SURVEY MADE Deviation

26. TYPE ELECTRIC AND OTHER LOGS RUN GR-Induction, GR-Density, GR-Correlation 27. WAS WELL CORED No

25. 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#	234'	12-1/4"	120 SXS	
7"	20#	2292'	8-3/4"	200 SXS	

29. LINER RECORD 30. TUBING RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4-1/2"	2113'	4648'	300 SXS		2-3/8"	4449'	----

31. PERFORATION RECORD (Interval, size and number)  
 4050', 4055', 4060', 4065', 4306', 4310', 4316', 4343', 4347', 4355', 4360', 4365', 4383', 4423', 4443', 4450', 4511', 4515'

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED*
4050'-4515'	78,036 gals water
	41,500# 20/40 sand

33. PRODUCTION

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

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10-25-78	3 hrs	3/4"	→				

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
192	482	→		3,078		

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

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 \_\_\_\_\_ TITLE **District Production Manager** DATE **October 26, 1978**

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