

# 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,



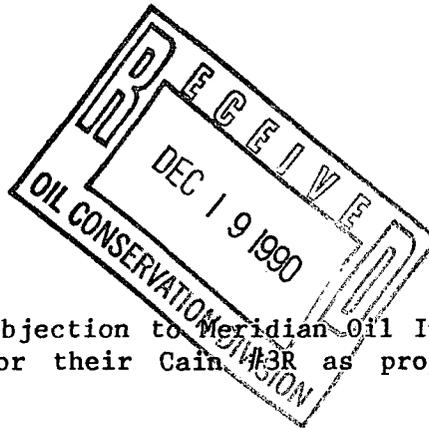
Peggy Bradfield  
encl.

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

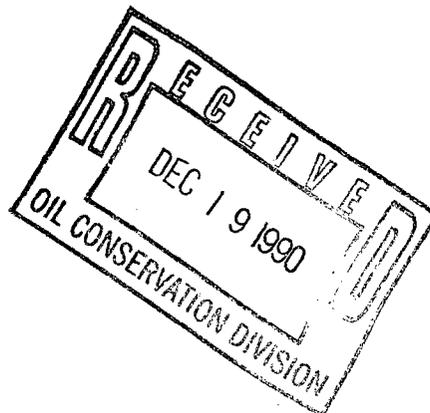
Amoco Production Co.  
P.O. Box 800  
Denver, CO 80201



Peggy Bradfield  
September 25, 1990

San Juan County  
State of New Mexico

My commission expires August 17, 1992



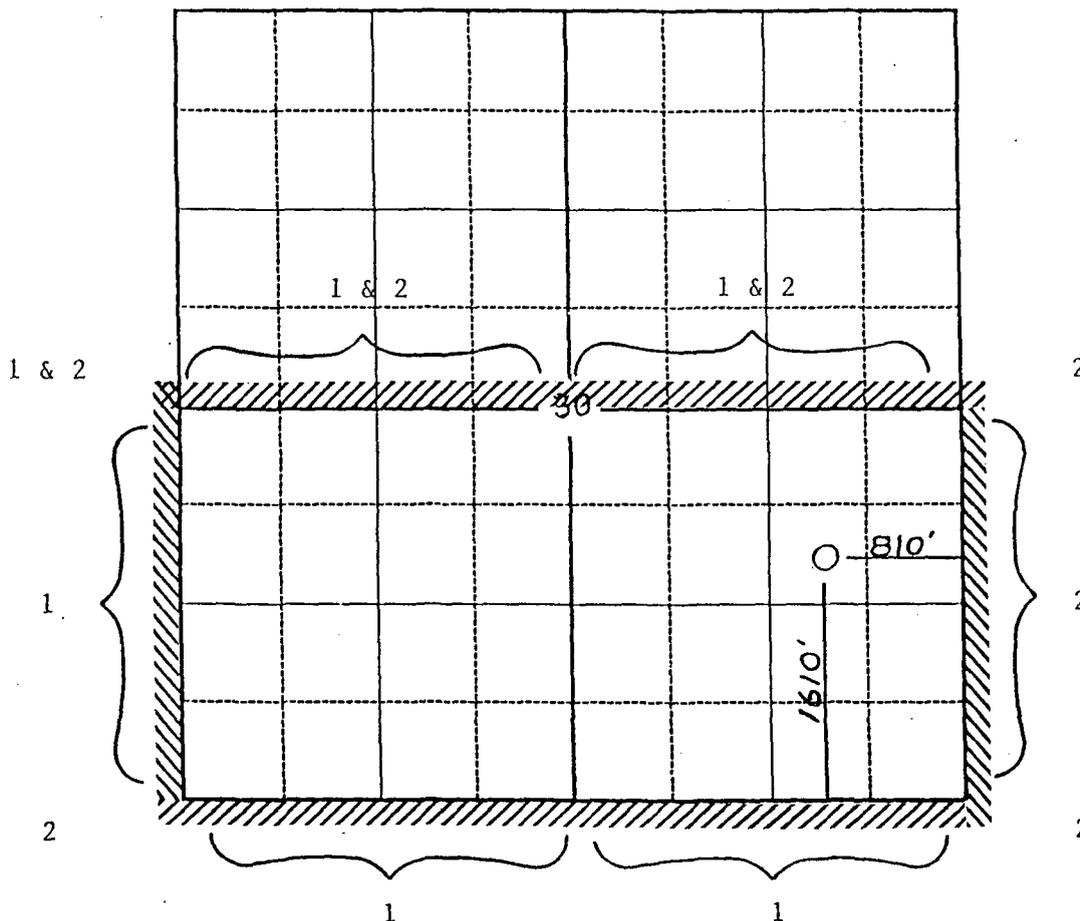
MERIDIAN OIL INC

Well Name Cain #3R

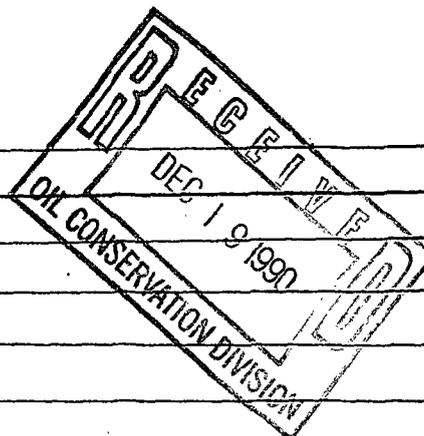
Footage 1610' FSL; 810' FEL

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

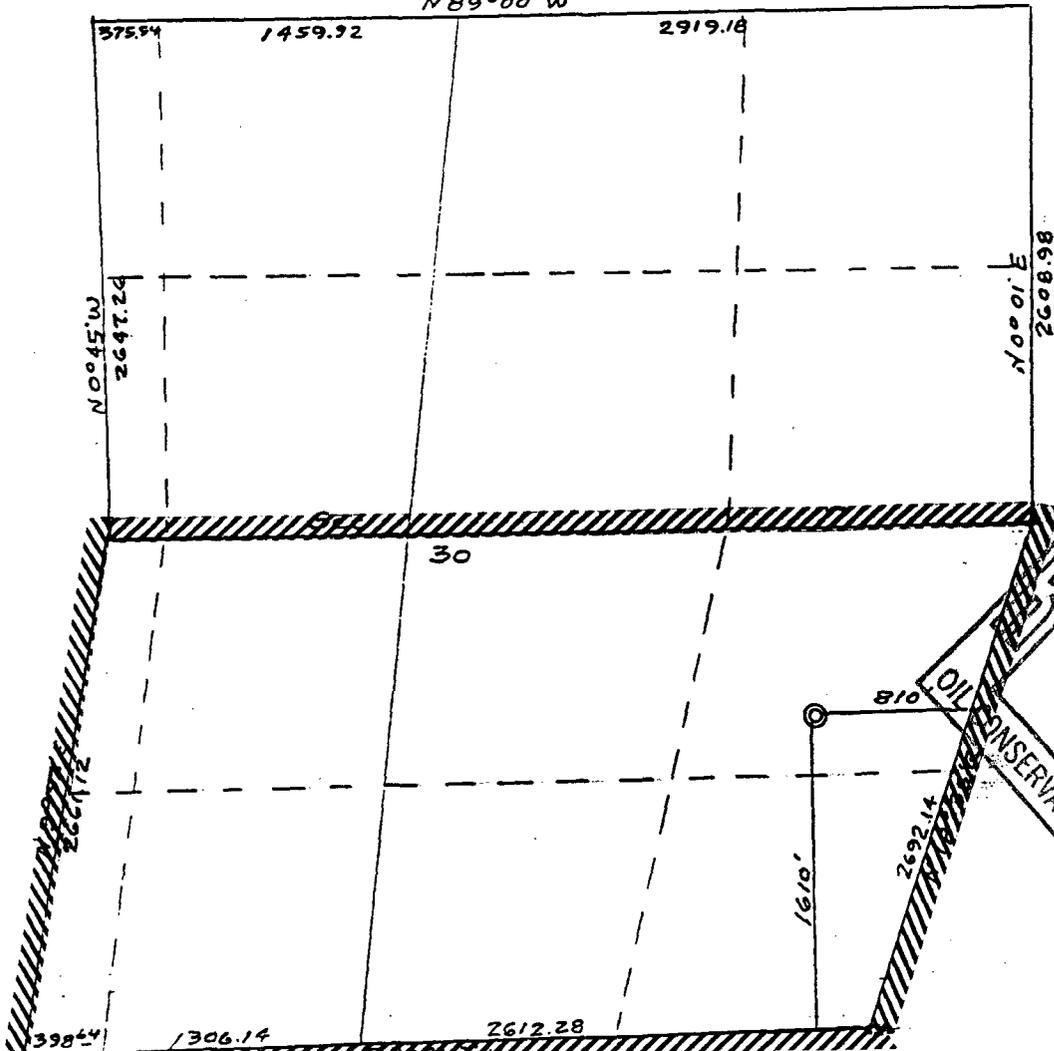
Yes  No If answer is "yes," type of consolidation \_\_\_\_\_

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 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 <b>Peggy Bradfield</b>
Position <b>Regulatory Affairs</b>
Company <b>Meridian Oil Inc.</b>
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 <b>May 5, 1973</b>
Registered Professional Engineer and Land Surveyor <b>Fred B. Kerr Jr.</b>
Certificate No. <b>3000</b>

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

SUBMIT IN DUPLA

(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 SPUNDED **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 \_\_\_\_\_

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 \_\_\_\_\_

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

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)
4-1/2"	2113'	4648'	300 SXS	

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
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*
<b>4050'-4515'</b>	<b>78,036 gals water</b>
	<b>41,500# 20/40 sand</b>

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
<b>10-25-78</b>	<b>3 hrs</b>	<b>3/4"</b>	<b>→</b>				

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
<b>192</b>	<b>482</b>	<b>→</b>				

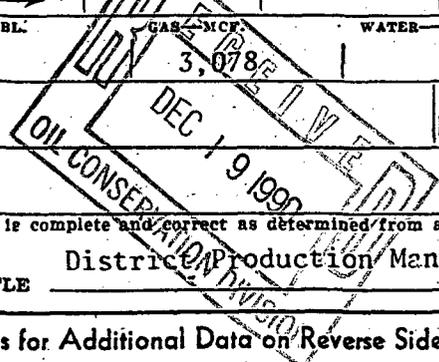
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) **Sold** TEST WITNESSED BY **Mike Cattaneo**

35. LIST OF ATTACHMENTS

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

District Production Manager **October 26, 1978**

SIGNED \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_



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



STATE OF NEW MEXICO  
 ENERGY AND MINERALS DEPARTMENT  
 OIL CONSERVATION DIVISION  
 AZTEC DISTRICT OFFICE

GARREY CARRUTHERS  
 GOVERNOR

OIL CONSERVATION DIVISION  
 RECEIVED

1000 IRO BRAZOS ROAD  
 AZTEC, NEW MEXICO 87410  
 (505) 334-0178

Date: 11-26-90

'90 NOV 28 AM 9 24

*Attn: M. Stegner*

Oil Conservation Division  
 P.O. Box 2088  
 Santa Fe, NM 87504-2088

Re: Proposed HC \_\_\_\_\_  
 Proposed DHC \_\_\_\_\_  
 Proposed NSL X \_\_\_\_\_  
 Proposed SWD \_\_\_\_\_  
 Proposed WFX \_\_\_\_\_  
 Proposed PMX \_\_\_\_\_

*Case No.*  
10149

Gentlemen:

I have examined the application dated 10-27-90  
 for the ~~Mexican Oil Inc. Case # 38~~  
 Operator Lease & Well No.

1-30-291-90 and my recommendations are as follows:  
 Unit, S-T-R

*Approved*

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Yours truly,

*Gene Bush*



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

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

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

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

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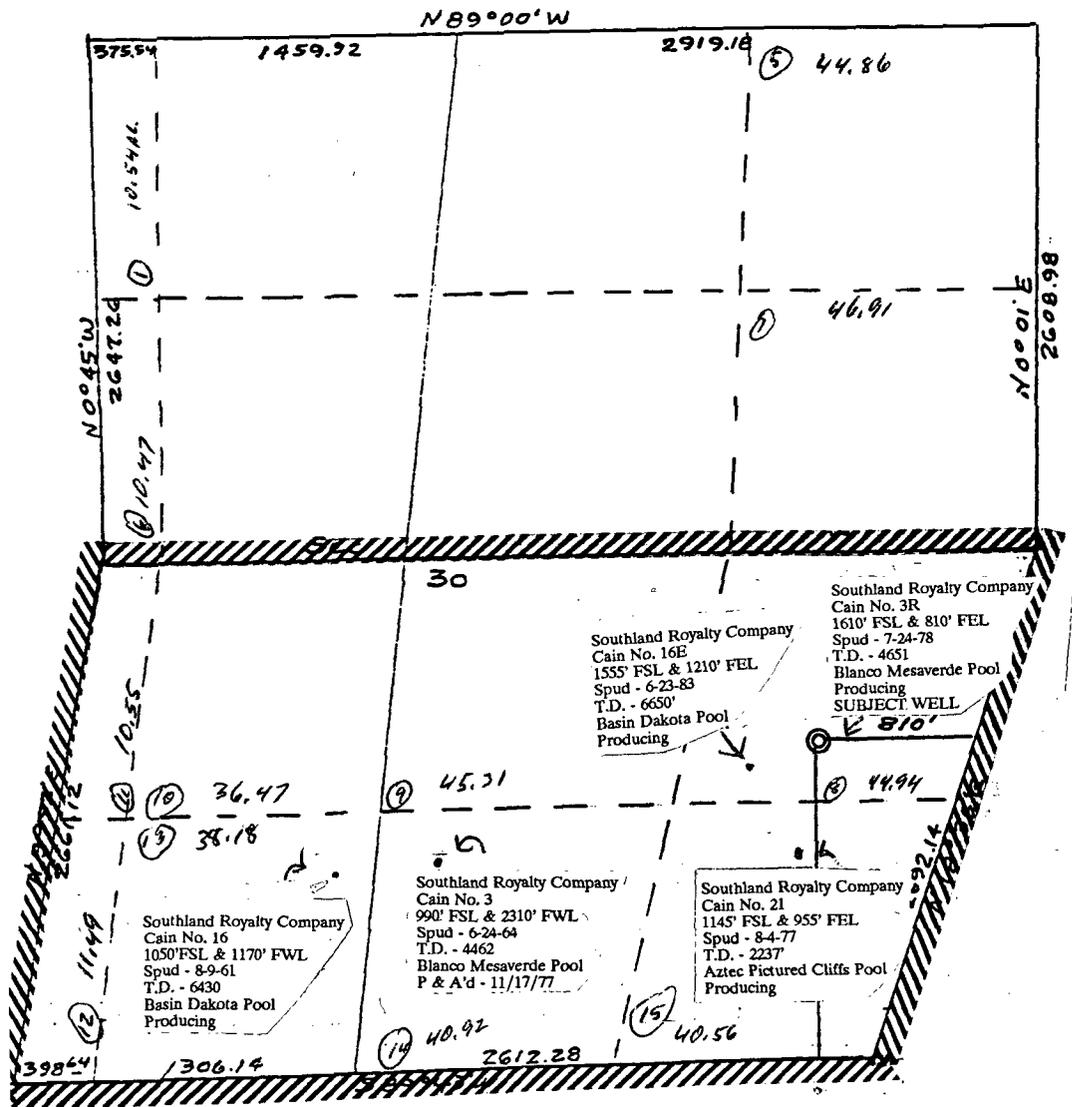
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Scale: 1" = 1000'



CERTIFICATION

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

10.33	+
11.49	+
36.18	+
38.47	+
40.31	+
40.92	+
40.56	+
44.34	+
208.420	*
268.420	*
320.00	*
0.333612500	*

Date Surveyed  
**May 5, 1973**

Registered Professional Engineer and Land Surveyor  
*Fred B. Kerr Jr.*  
**Fred B. Kerr Jr.**

Certificate No.  
**3950**