

# 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,

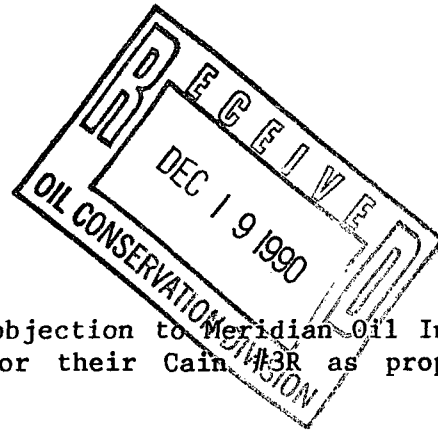
  
Peggy Bradfield  
encl.

## 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



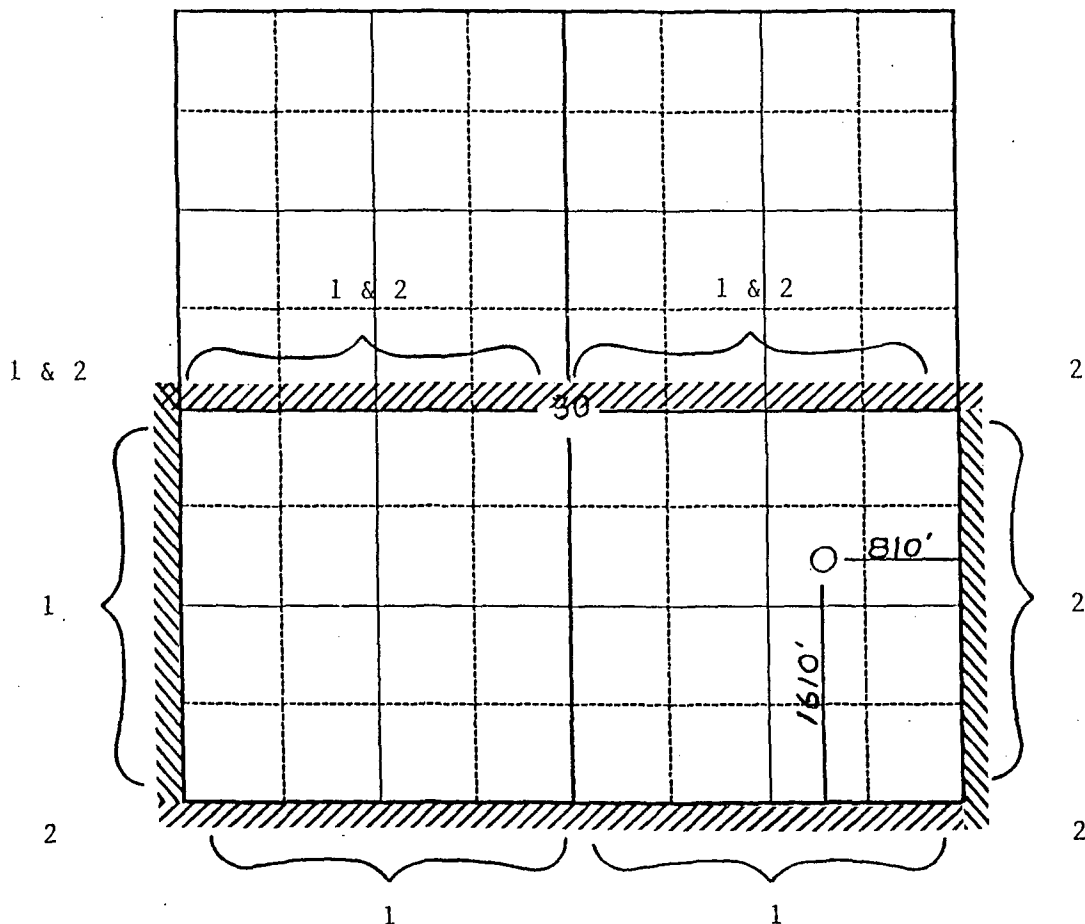
## MERIDIAN OIL INC

Well Name Cain #3R

Footage 1610' FSL; 810' FEL

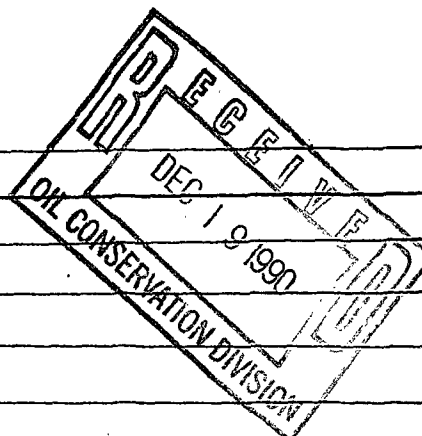
## APPLICATION FOR NON-STANDARD LOCATION

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?

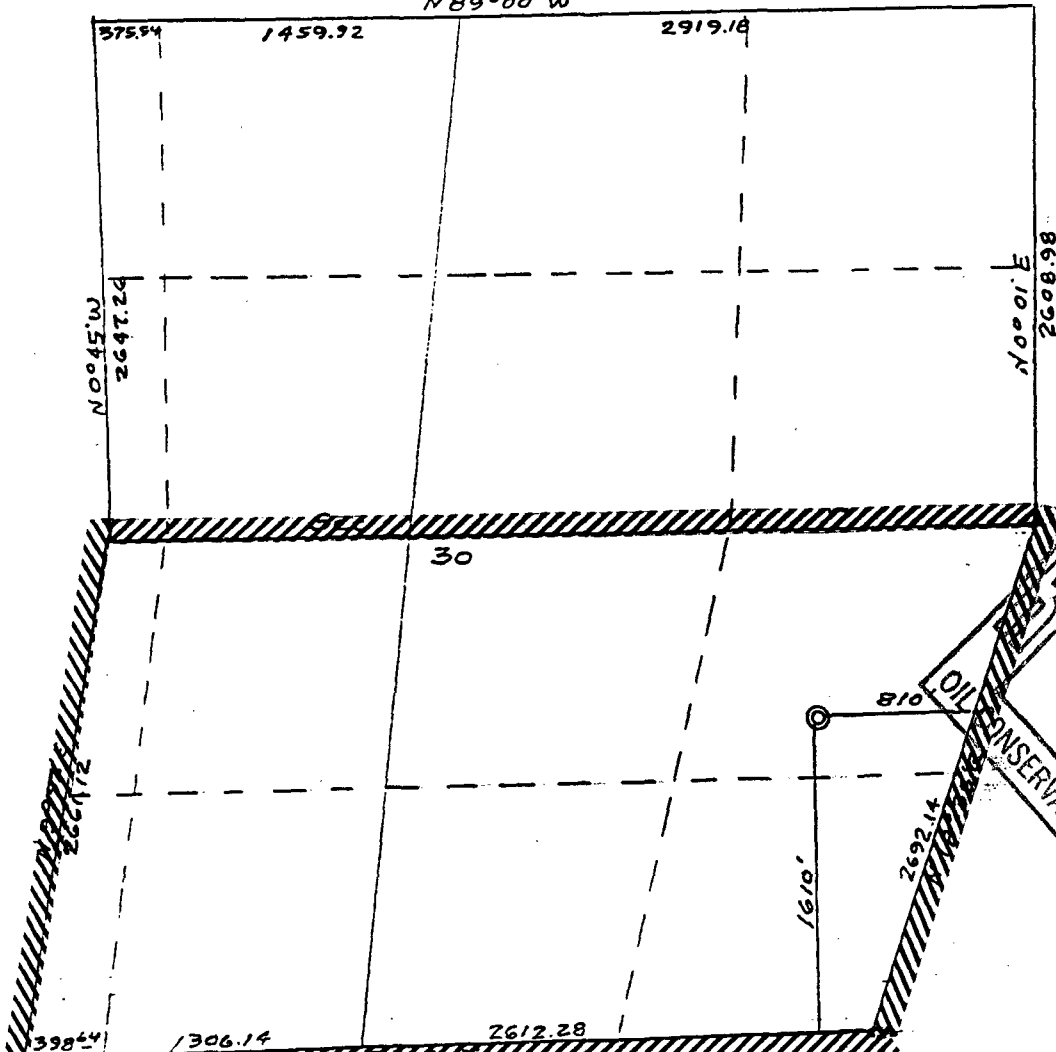
☐ Yes ☐ No If answer is "yes," type of consolidation \_\_\_\_\_

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  
**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

**Fred B. Kerr Jr.**

Certificate No. **3000**

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. SF-080781																															
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 SOUTHLAND ROYALTY COMPANY										7. UNIT AGREEMENT NAME																															
3. ADDRESS OF OPERATOR P. O. DRAWER 570, FARMINGTON, NEW MEXICO 87401										8. FARM OR LEASE NAME Cain																															
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										9. WELL NO. 3R																															
14. PERMIT NO. _____ DATE ISSUED _____										10. FIELD AND POOL, OR WILDCAT Blanco Mesaverde																															
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 _____										11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Section 30, T29N, R9W																															
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 _____										12. COUNTY OR PARISH San Juan																															
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 4050'-4515' Mesaverde										13. STATE New Mexico																															
25. TYPE ELECTRIC AND OTHER LOGS RUN GR-Induction, GR-Density, GR-Correlation										25. WAS DIRECTIONAL SURVEY MADE Deviation																															
26. WAS WELL CORED No																																									
27. CASING RECORD (Report all strings set in well)																																									
<table border="1" style="width:100%"><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#</td><td>234'</td><td>12-1/4"</td><td>120 SXS</td><td></td></tr><tr><td>7"</td><td>20#</td><td>2292'</td><td>8-3/4"</td><td>200 SXS</td><td></td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>												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													
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30. PERFORATION RECORD (Interval, size and number)																																									
4050', 4055', 4060', 4065', 4306', 4310', 4316', 4343', 4347', 4355', 4360', 4365', 4383', 4423', 4443', 4450', 4511', 4515'																																									
31. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																																									
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32. PRODUCTION																																									
DATE FIRST PRODUCTION _____ PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) _____ WELL STATUS (Producing or shut-in) _____																																									
Flowing																																									
DATE OF TEST 10-25-78 HOURS TESTED 3 hrs CHOKE SIZE 3/4" PROD'N. FOR TEST PERIOD _____ OIL—BBL. _____ GAS—MCF. _____ WATER—BBL. _____ GAS-OIL RATIO _____																																									
FLOW. TUBING PRESS. 192 CASING PRESSURE 482 CALCULATED 24-HOUR RATE _____ OIL—BBL. _____ GAS—MCF. 3,078 WATER—BBL. _____ OIL GRAVITY-API (CORR.) _____																																									
33. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold																																									
34. 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)



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

GARREY CARRUTHERS  
GOVERNOR

OIL CONSERVATION DIVISION  
RECEIVED

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

Date: 11-26-90

'90 NOV 28 AM 9 24

*Atty. M. Stagner*

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 ~~Mountain Oil Inc.~~ *Case #38*  
Operator Lease & Well No.

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

*A. J. Moore*  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Yours truly,

*Eugene Burch*



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

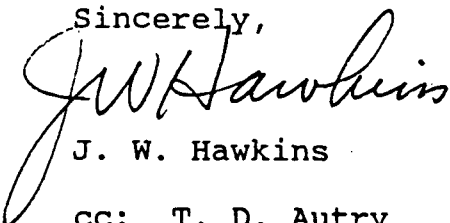
San Juan 20A  
850' FNL, 1100' FWL, Section 35, T29N-R9W  
and  
Cain #3R  
1610' FSL, 810' FEL, Section 30, T29N-R9W  
San Juan County, New Mexico

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

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>3-2</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					
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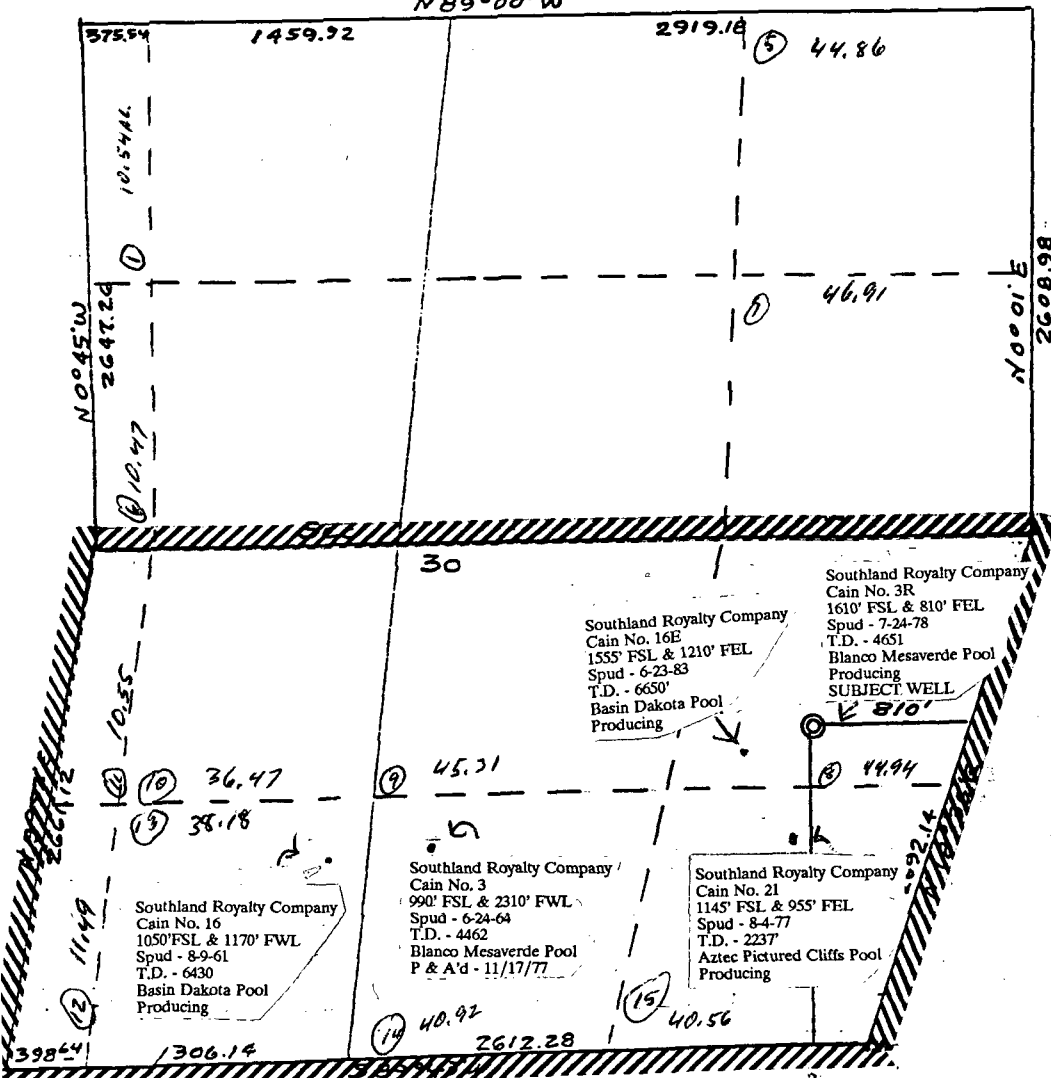
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Scale: 1" = 1000'

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.

10.53 +  
11.49 +  
36.18 +  
38.47 +  
40.31 +  
40.92 +  
40.56 +  
44.84 +  
268.420 =  
268.420 =  
320. =  
0.833612500 =

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Date Surveyed <b>May 5, 1973</b>
Registered Professional Engineer and Land Surveyor <i>Fred B. Kerr Jr.</i>
Certificate No. <b>3950</b>