

*Blm
Sh*



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

*C-104 For DHC
& keep in copy
EXEMPTED
(4)*



BRUCE KING
GOVERNOR

ANITA LOCKWOOD
CABINET SECRETARY

March 3, 1993

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 84799-4289

Attention: Peggy Bradfield

RECEIVED

MAR - 9 1993

**OIL CON. DIV.
DIST. 3**

Administrative Order NSL-3223

Dear Ms. Bradfield:

Reference is made to your application dated January 22, 1993 for a non-standard South Blanco-Tocito oil well location for your existing Reuter Well No. 2 which was drilled in 1962 and completed in the Basin-Dakota Pool at a standard gas well location 1450 feet from the South line and 790 feet from the West line (Unit L) of Section 34, Township 27 North, Range 6 West, NMPM, San Juan County, New Mexico.

It is my understanding that the Undesignated South Blanco-Tocito zone is to be downhole commingled with the Basin-Dakota Pool, and pursuant to the Special Rules and Regulations for the South Blanco-Tocito Oil Pool, as promulgated by Division Order No. R-1191, as amended, said location is considered unorthodox.

By the authority granted me under the provisions of said Order No. R-1191, as amended and Division Memorandum No. 4-86, the above-described unorthodox oil well location is hereby approved. Further, the W/2 SW/4 of said Section 34 shall be dedicated to said well forming a standard 80-acre oil spacing and proration unit for said pool.

Also, Meridian shall comply with all other provisions of Division General Rules 303.C through G, pertaining to the downhole commingling of oil production with gas produced from the Basin-Dakota interval.

Sincerely,

[Signature]
William J. LeMay
Director

WJL/MES/amg

cc: Oil Conservation Division - Aztec
US Bureau of Land Management - Farmington
File: DHC-878



STATE OF NEW MEXICO
ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
AZTEC DISTRICT OFFICE

1000 RIO BRAZOS ROAD
AZTEC, NEW MEXICO 87410
(505) 334-6178

Date: 2-11-93

attn: *Mike Stogner*

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

RE: Proposed MC _____
Proposed NSL X _____
Proposed WFX _____
Proposed NSP _____

Proposed DHC _____
Proposed SWD _____
Proposed PMX _____
Proposed DD _____

Gentlemen:

I have examined the application received on 1-26-93
for the Meridian Oil Inc. Lease # 2
OPERATOR LEASE & WELL NO.

L-34-27N-6W and my recommendations are as follows:
UL-S-T-R

Approve

Yours truly,

Ernie Basch

MERIDIAN OIL

January 22, 1993

Federal Express

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

RECEIVED
JAN 26 1993
OIL CON. DIV.
DIST. 3

Re: Reuter #2
1450'FSL, 790'FWL
Section 34, T-27-N, R-6-W, Rio Arriba County, NM

Dear Mr. LeMay:

This is a request for administrative approval for a non-standard gas well location in the South Blanco Tocito Pool extension.

Meridian Oil intends to add the South Blanco Tocito Pool extension formation to the Basin Dakota in the Reuter #2 and commingle both formations. Meridian Oil will also make application to the Commission for the commingling order. The well is considered outside the boundaries of the standard Tocito pool windows. 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

WAIVER

_____ hereby waives objection to Meridian Oil Inc.'s application for non-standard location for the Reuter #2 as proposed above.

By: _____ Date: _____

xc: Caulkins Oil Co

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Branca Rd., Abec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.			Lease Reuter		Well No. 2	
Unit Letter L	Section 34	Township 27 North	Range 6 West	County NMNM Rio Arriba		
Actual Footage Location of Well: 1450 feet from the South line and 790 feet from the West line						
Ground level Elev. 6498'		Producing Formation Tocito/Dakota		Foot S. Blanco/Basin		
Dedicated Acreage: 80/320					Acre	

- Outline the acreage dedicated to the subject well by correct pencil or machine 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 interest of all owners been consolidated by commutation, 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 commutation, unitization, force-pooling, or otherwise) or until a non-standard unit, eliminating such interest, has been approved by the Division.

34	
USA SF-079210	
790'	1450'
Not re-surveyed prepared from a plat By: David O. Vilven Dated: 4-24-62	

OPERATOR CERTIFICATION

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

Peggy Bradfield
Signature

Peggy Bradfield

Printed Name

Regulatory Affairs

Position

Meridian Oil Inc.

Company

Date
1-22-93

SURVEYOR CERTIFICATION

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.

1-25-93

Date Surveyed
Needle Creek
Signature of Surveyor
Professional Surveyor

6857

6857

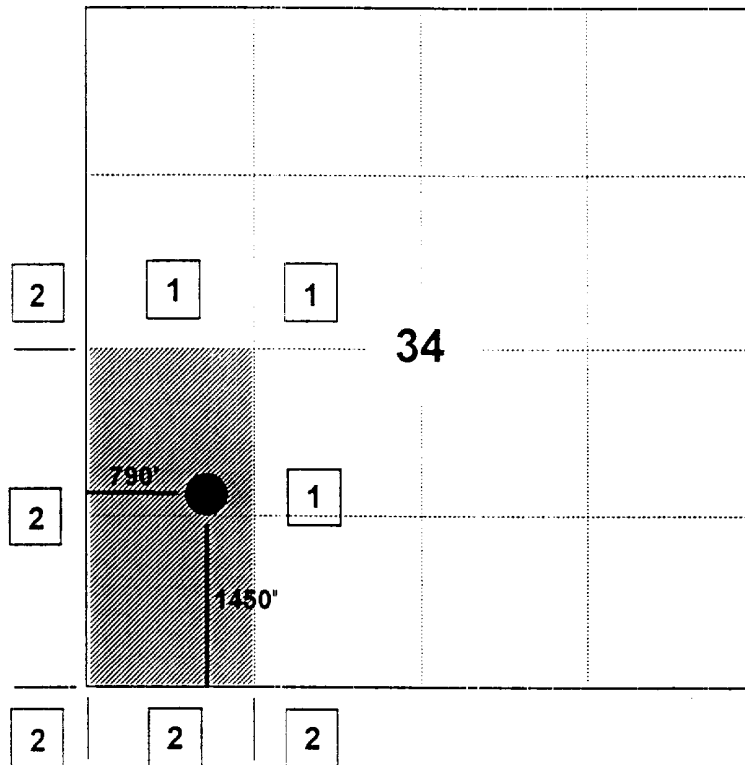
MERIDIAN OIL INC

OFFSET OPERATOR PLAT

REUTER #2

Unorthodox Location

Township 27 North, Range 06 West



1) Meridian Oil Inc

2) Caulkins Oil Company 1600 S. Broadway, Suite 2100, Denver, CO 80202

Tocito Formation

MERIDIAN OIL

January 22, 1993

Reuter #2
1450' FSL, 790' FWL
Section 34, T-27-N, R-6-W
Rio Arriba County, New Mexico

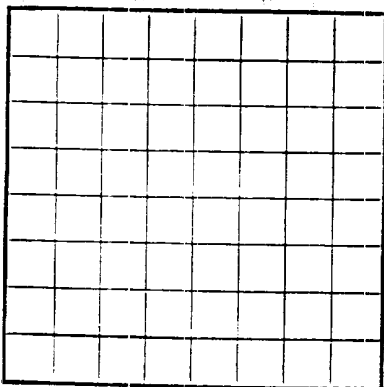
I hereby certify that the following offset owners/operators have been notified by certified mail of our application for administrative approval for non-standard gas well location for the completion of the above well.

Caulkins Oil Company
1600 South Broadway, Suite #2100
Denver, Colorado 80202

A handwritten signature in cursive script, appearing to read "Peggy Bradford", written over a horizontal line.

Peggy Bradford
Notary Public
San Juan County, New Mexico

My commission expires August 17, 1996.



LOCATE WELL CORRECTLY

 U. S. LAND OFFICE Santa Fe
 SERIAL NUMBER 079210
 LEASE OR PERMIT TO PROSPECT _____

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company El Paso Natural Gas Company Address Box 990, Farmington, New Mexico
 Lessor or Tract Reuter Field Basin Dakota State New Mexico
 Well No. 2 Sec. 34 T 27N R. 6W Meridian N.M.P.M. County Rio Arriba
 Location 1450 ft. N. of S Line and 790 ft. E. of W Line of Sec. 34 Elevation 6508
(Derrick floor relative to sea level)
 The information given herewith is a complete and correct record of the well and all work done thereon
 so far as can be determined from all available records.
 Signed Original Signed D. W. Meehan
 Date June 21, 1962 Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling 5-5-, 19 62 Finished drilling 5-27, 19 62

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 7202 to 7327 (G) No. 4, from _____ to _____
 No. 2, from 7327 to 7507 (G) No. 5, from _____ to _____
 No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

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

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9 5/8	36	8 Rd.	J-55	278	HOWCO				Surface
4 1/2	11.6	5 8 Rd.	J-55	7527	Baker				Prod. Csg.
2 3/8	4.7	8 Rd.	J-55	7453	Baker				Prod. Tbg.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	292	190	Circulated		
4 1/2	7539	510	3 Stage		

MARK

Adapters--Material..... Size

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
Perf. 7238-44; 7258-64 w/2 SPF; 7368-80 w/1 SPF; 7418-24, 7444-50 w/2 SPF, frac w/81,000 gallons water, 80,000# sand, flush 7150 gallons. I.R. 24.5 RPM, Max. pr. 3900#, BOP 2800#, tr. pr. 3300-3400-3600-3700-3800-3900#. Dropped 4 sets of 12 balls.						

TOOLS USED

Rotary tools were used from 0 feet to 7540 feet, and from feet to feet

Cable tools were used from feet to feet, and from feet to feet

DATES

..... 6-14 , 19. 62 Put to producing , 19.....

The production for the first 24 hours was barrels of fluid of which % was oil; % emulsion; % water; and % sediment. Gravity, °Bé.

If gas well, cu. ft. per 24 hours 5,216,000 Gallons gasoline per 1,000 cu. ft. of gas

Rock pressure, lbs. per sq. in. 2481 (Csg) A.O.F. = 6464 MCF/D

EMPLOYEES

Braunton & Murray Rig #1 , Driller , Driller
..... , Driller , Driller

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
0	2324	2324	Tan to gry cr-grn ss interbedded w/gry sh.
2324	2470	146	Ojo Alamo ss. White cr-grn s.
2470	2855	385	Kirtland form. Gry sh interbedded w/tight gry fin grn ss.
2855	3001	146	Fruitland form. Gry carb sh, scattered coals, coals & gry, tight, fine-grn ss.
3001	3070	69	Pictured Cliffs form. Gry, fine-grn, tight, varicolored soft ss.
3070	4690	1620	Lewis formation. Gry to white dense sh w/silty to shaly ss breaks.
4690	4780	90	Cliff House ss. Gry, fine-grn, dense sil ss.
4780	5255	475	Manatee form. Gry, fine-grn s, carb sh & coal.
5255	5389	134	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5389	6169	780	Mancos formation. Gry carb sh.
6169	7148	979	Gallup form. Lt gry to brn calc carb micac glauco very fine gry ss w/irreg interbed sh.
7148	7202	54	Greenhorn form. Highly calc gry sh w/thin lmt.
7202	7327	125	Graneros form. Dk gry shale, fossil & carb w/pit incl.
7327	7507	180	Dakota form. Lt to dk gry foss carb al calc al silty ss w/pyrite incl thin sh bands clay & shale breaks.
7507	7540	33	Morrison form. Interbed grn brn & red waxy sh & fr to cr grn sd.