



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

'90 MAY 4 AM 8 28

GARREY CARRUTHERS
GOVERNOR

MERIDIAN OIL
APR 18 1990
FARMINGTON, NEW MEXICO
REGULATORY

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

April 16, 1990

Southland Royalty Co.
c/o Meridian Oil, Inc.
P.O. Box 4289
Farmington, NM 87499-4289

Attention: Peggy Bradfield

RE: *Administrative Application for an Unorthodox Coal Gas Well Location, Davis Well No. 19, 1840' FNL - 1110' FWL (Unit E) 1-T31N-R12W, Basin-Fruitland Coal Gas Pool, San Juan County, New Mexico.*

Dear Ms. Bradfield:

In reviewing the subject application, our files indicate that there is currently an outstanding APD for your Davis Well No. 500, to test the Basin-Fruitland Coal Gas Pool within the W/2 (320-acre) proration unit, said well to be drilled at a standard coal gas well location 1835 feet from the South line and 1165 feet from the West line (Unit L) of said Section 1, see attached. What are Southland's plans for the No. 500 well at this time?

Sincerely,

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/ag

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

5-3-90
Michael - I have a copy of our
enclosed a copy of our
Sundry notice to cancel
Davis #500, so we may
proceed w/ Davis #19.
Let me know if you need
anything else
Thanks.
Peggy

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

Sundry Notices and Reports on Wells

1. Type of Well GAS	5. Lease Number SF-077648
	6. If Indian, All.or Tribe Name
2. Name of Operator Southland Royalty Co	7. Unit Agreement Name
3. Address & Phone No. of Operator Box 4289, Farmington, NM 87499 (505)326-9700	8. Well Name & Number Davis #500
	9. API Well No.
4. Location of Well, Footage, Sec, T, R, M. 1835'S, 1165'W Sec.1 , T-31-N, R-12-W, NMPM	10. Field and Pool Basin Fruitland Coal
	11. County and State San Juan County, NM
12. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA	
Type of Submission	Type of Action
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other
	<input type="checkbox"/> Change of Plans
	<input type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut Off
	<input type="checkbox"/> Conversion to Injection

13. Describe Proposed or Completed Operations

Please cancel our application for permit to drill for this location.

14. I hereby certify that the foregoing is true and correct
Signed *Debra J. Hildfield* Title Regulatory Affairs Date 5-3-90

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITION OF APPROVAL, IF ANY:

RECEIVED
MAIL ROOM

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED

UNITED STATES SUNDRY NOTICES AND REPORTS ON WELLS

30 APR 6 AM 9 04

1. TYPE OF WELL GAS		5. LEASE NUMBER SF-077648	
2. OPERATOR SOUTHLAND ROYALTY CO.		6. IF INDIAN, ALL. OR TRIBE NAME	
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL 1835'S 1165'W		8. FARM OR LEASE NAME DAVIS	
		9. WELL NO. 500	
		10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	
		11. SEC. T. R. M OR BLK. SEC. 1 T31N R12W NMPM	
14. PERMIT NO.	15. ELEVATIONS 6370'GL	12. COUNTY SAN JUAN	13. STATE NM
16. NOTICE OF INTENTION TO: Change Plans			
17. Describe proposed or completed operations			

Attached is a revised operations plan, BOPE diagram and anticipated production facilities diagram on the subject well.

RECEIVED
APR 03 1990
OIL CON. DIV.
DIST. 3

18. AUTHORIZED BY:

JO F. [Signature]
REGULATORY AFFAIRS

9/9/89
DATE

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-5.

=====

(This space for Federal or State office use)

APPROVED BY _____
CONDITION OF APPROVAL, IF ANY:

TITLE _____

NMOCD

APPROVED	
MAR 30 1990	
Ken Townsend	
DATE	FOR AREA MANAGER
	FARMINGTON RESOURCE AREA

Well Name: 500 DAVIS 1835'S 1165'W
 Sec. 1 T31N R12W SAN JUAN NEW MEXICO
 BASIN FRUITLAND COAL Elevation 6370'GL

Formation tops: Surface- NACIMIENTO

Ojo Alamo- 1086
 Kirtland- 1108
 Fruitland- 2521
 Fruitland Coal Top- 2741
 Fruitland Coal Base- 2925
 Total Depth- 2927
 Pictured Cliffs- 2943

Logging Program: Mud logs from 2521 to total depth.

Mud Program:	Interval	Type	Weight	Visc.	Fl. Loss
	0 - 200	Spud	8.4 - 8.9	40-50	no control
	200 - 2927	Non-dispersed	8.4 - 9.5	30-60	no control

Casting Program:	Hole Size	Depth	Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	8 5/8"	24.0#	K-40	
	7 7/8"	0 - 2927	5 1/2"	15.5#	K-55	
		0 - 2927	2 3/8"	4.7#	J-55	

Float Equipment: 8 5/8" surface casing - saw tooth guide shoe.

5 1/2" production casing - float shoe on bottom.

Three centralizers run every other joint above shoe.

Wellhead Equipment: 8 5/8" x 5 1/2" x 2 3/8" x 11" 3000 psi xmas tree assembly.

Cementing:

8 5/8" surface casing - cement with 140 sacks of class "B" cement with 1/4# floccel/sack and 3% calcium chloride (165 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

5 1/2" production casing - lead with 269 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu.ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 638 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

BOP and Tests:

Surface to TD - 11" 2000 psi (minimum) double gate BOP stack

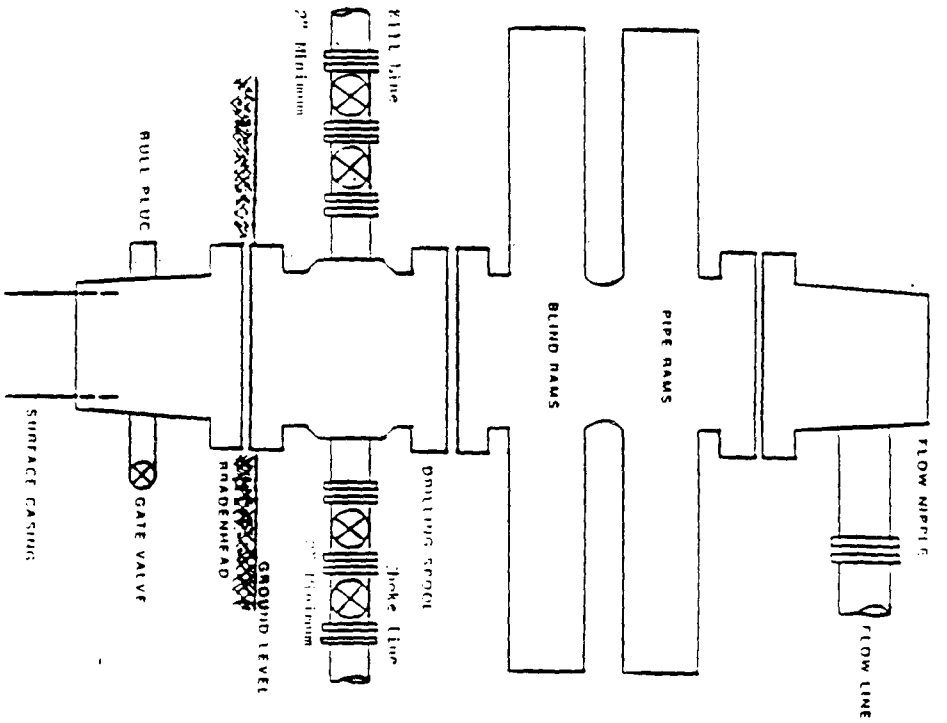
From surface to TD - choke manifold (Reference Figure #3).

Pipe rams will be actuated at least once each day and blind rams actuated once each trip to test proper functioning. A Kelly cock valve and drill string safety valves to fit each drill string will be maintained and available on the rig floor.

Addition Information:

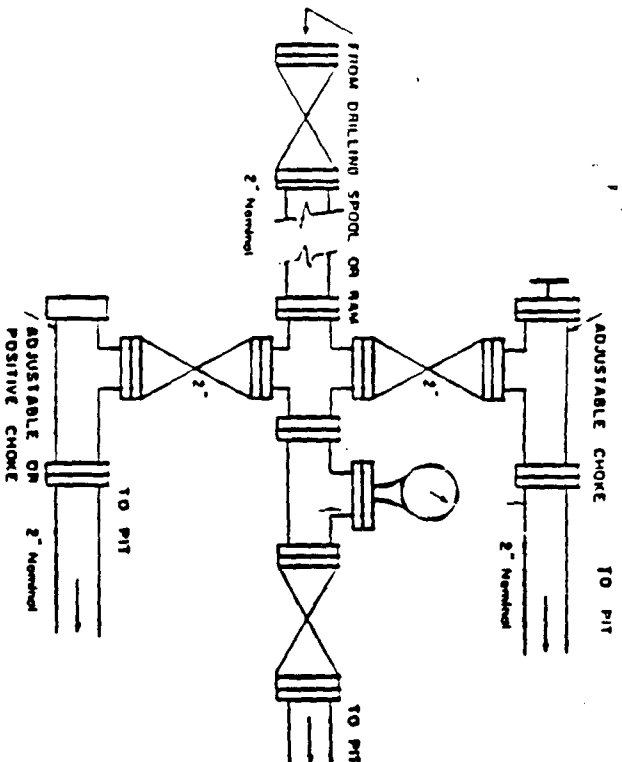
The Fruitland coal formation will be completed.
This gas is dedicated.
The W/2 of Section 1 is dedicated to this well.

FIGURE #1



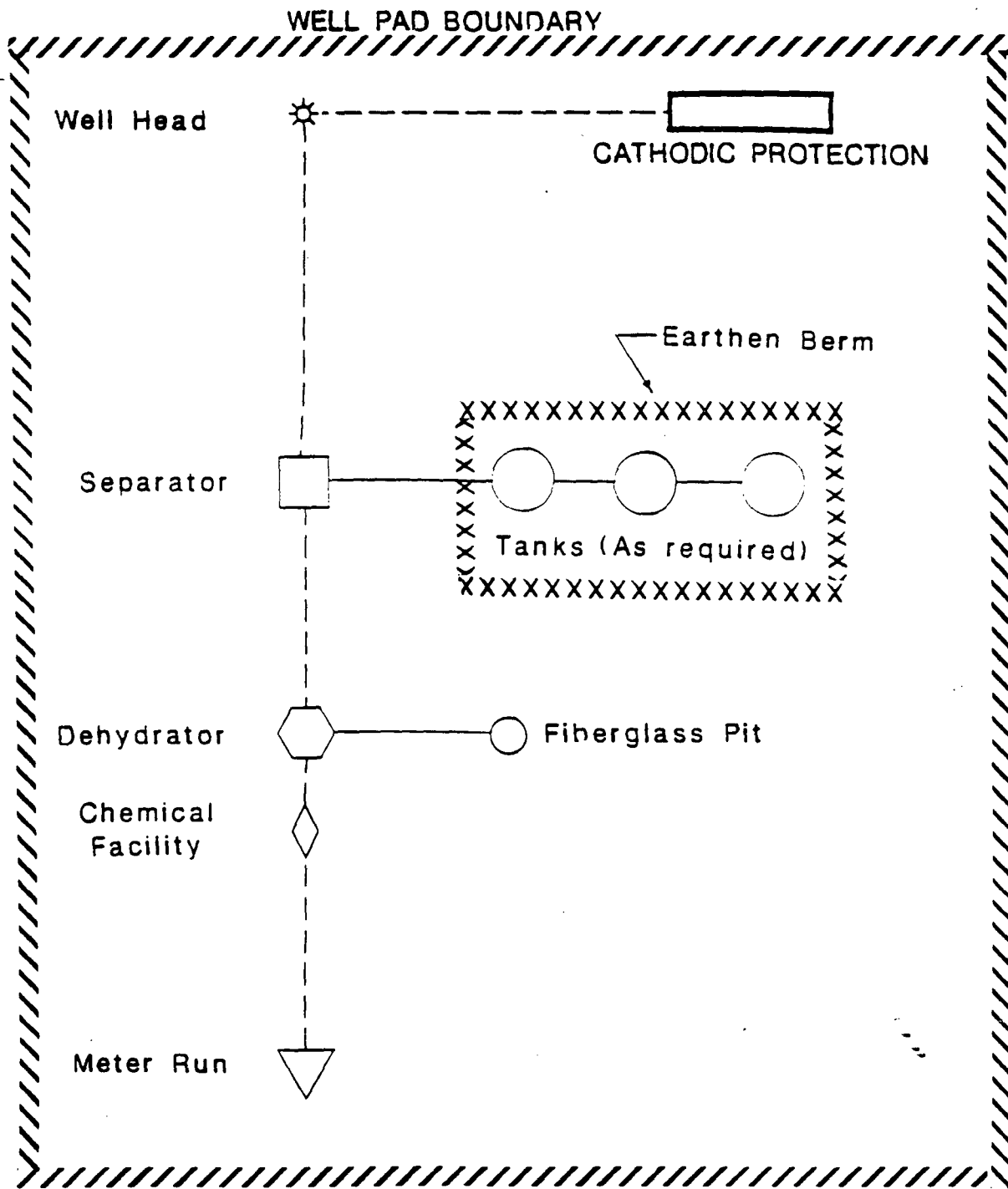
Minimum pipe installation for a typical Fruiland Coal well from surface to total depth. 11", 2000 psi working pressure double cased, not equipped with blind and pipe rams.

FIGURE #3



Minimum choke manifold configuration for a typical Fruiland Coal well from surface to TD. 2", 2000 psi working pressure equipment with two chokes.

LONG STRING FCCU BORE
UP04260 9/8/81



MERIDIAN OIL

ANTICIPATED
PRODUCTION FACILITIES
FOR A
FRUITLAND WELL

J. Falconi

4/28/89

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAY 13 PM 3:10

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL	5. LEASE NUMBER SF-077648
1b. TYPE OF WELL GAS	6. IF INDIAN, ALL. OR TRIBE NAME
2. OPERATOR SOUTHLAND ROYALTY CO. OIL CONSERVATION DIV. SANTA FE	7. UNIT AGREEMENT NAME
3. ADDRESS & PHONE NO. OF OPERATOR P O BOX 4289 FARMINGTON, NM 87499	8. FARM OR LEASE NAME DAVIS
4. LOCATION OF WELL 1835'S 1165'W	9. WELL NO. 500
10. FIELD, POOL, OR WILDCAT BASIN FRUITLAND COAL	11. SEC. T. R. M OR BLK. L SEC. 1 T31N R12W NMPM
14. DISTANCE IN MILES FROM NEAREST TOWN 11 MILES FROM AZTEC	12. COUNTY SAN JUAN
15. DISTANCE FROM PROPOSED LOCATION 1165' TO NEAREST PROPERTY OR LEASE LINE.	13. STATE NM
16. ACRES IN LEASE 2198.38	17. ACRES ASSIGNED TO WELL W/ 310.79
18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL DR. 700' COMPL., OR APPLIED FOR ON THIS LEASE.	19. PROPOSED DEPTH 2927'
20. ROTARY OR CABLE TOOLS ROTARY	
21. ELEVATIONS (DF, FT, GR, ETC.) 6370'GL	22. APPROX. DATE WORK WILL START

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APR 21 1989
OIL CON. DIV.
DIST. 3

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.

23. PROPOSED CASING AND CEMENTING PROGRAM

*SEE OPERATIONS PLAN

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

24. AUTHORIZED BY: *Dean Bradford*
REGULATORY AFFAIRS

4-7-89
DATE

PERMIT NO. _____ APPROVAL DATE _____
APPROVED BY _____ TITLE _____ DATE APR 18 1989
AS AMENDED

NOTE: THIS FORMAT IS ISSUED IN LIEU OF US BLM FORM 3160-3 AREA MANAGER

OK
NMCC

OPERATIONS PLAN

DATE: APR 7, 1989

Well Name: 500 DAVIS
 Sec. 1 T31N R12W
 BASIN FRUITLAND COAL

1835'S 1165'W
 SAN JUAN NEW MEXICO
 Elevation 6370'GL

Formation tops: Surface- NACIMIENTO
 Ojo Alamo- 1086
 Kirtland- 1108
 Fruitland- 2521
 Fruitland Coal Top- 2741
 Fruitland Coal Base- 2925
 Intermediate TD- 2721
 Total Depth- 2927
 Pictured Cliffs- 2943

Logging Program: Mud logs from intermediate to total depth.

Mud Program: Low solid non-dispersed mud from surface to total depth.

Casing Program:	Hole Size	Depth Interval	Csg. Size	Weight	Grade
	12 1/4"	0 - 200	9 5/8"	32.3#	H-40
	8 3/4"	0 - 2721	7"	20.0#	K-55
	6 1/4"	2671 - 2927	5 1/2"	15.5#	K-55
Tubing Program:		0 - 2927	2 7/8"	6.5#	J-55

Float Equipment: 9 5/8" surface casing - saw tooth guide shoe.

7" intermediate casing - guide shoe and self-fill insert float valve. Three centralizers run every other joint above shoe. Run insert float one joint above the guide shoe.

5 1/2" production liner - float shoe on bottom and a pre-drilled liner run to the 7" casing with a minimum 50' overlap. Liner hanger is a double slip grip type.

Wellhead Equipment: 9 5/8" x 7" x 2 7/8" x 11" 3000 psi xmas tree assembly.

Cementing:

9 5/8" surface casing - cement with 106 sacks of class "B" cement with 1/4# flocele/sack and 3% calcium chloride (125 cu ft. of slurry, 100% excess to circulate to surface). WOC 12 hours. Test casing to 600 psi for 30 minutes.

7" intermediate casing - lead with 194 sacks of 65/35 class "B" poz with 6% gel, 2% calcium chloride and 1/2 cu.ft. Perlite/sack (10.3 gallons of water/sack) tail with 100 sacks of class "B" with 2% calcium chloride. 491 cu ft. of slurry, 100% excess to cover the Ojo Alamo. Run temperature survey at 8 hours. WOC 12 hours. Test casing to 1500 psi for 30 minutes.

5 1/2" liner - do not cement.

The Fruitland coal formation will be completed.

A 3000 psi WP and 6000 psi test double gate preventer equipped with blind and pipe rams will be used for blow out prevention on this well. This gas is dedicated.

The W/2 of Section 1 is dedicated to this well.

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

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

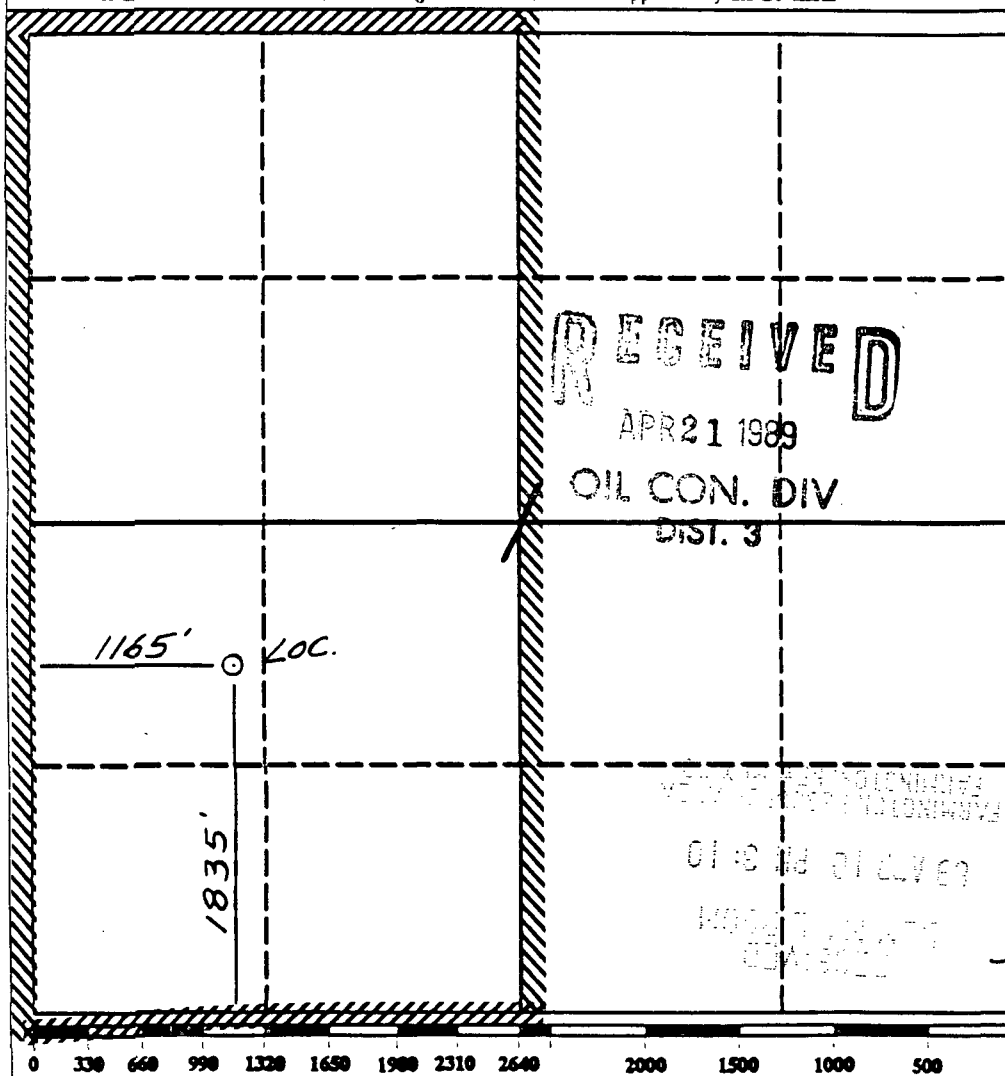
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Southland Royalty Company			Lease Davis (SF-077648)		Well No. 500
Unit Letter L	Section 1	Township 11 North	Range 12 West	County NMPM San Juan	
Actual Footage Location of Well: 1835 feet from the South line and 1165 feet from the West line					
Ground level Elev. c370	Producing Formation Fruitland Coal		Pool Basin	Dedicated Acreage: 310.79 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 interest 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 interest, has been approved by the Division.



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
Southland Royalty

Company
4-7-89

Date

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.

Neale C. Edwards

Date Surveyed
2-17-89

Signature & Seal of
Professional Surveyor



BLM ROW
DAVIS 500
T31N, R12W
Section 10: NESE
52SE
15: NENW
600'
2600'
250'

FEE
LANDS

State
Lands

SFO77648

BLM
ROW

Map 2



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

GARREY CARRUTHERS
GOVERNOR

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

April 16, 1990

US Bureau of Land Management
Farmington Resources Office
1235 La Plata Highway
Farmington, NM 87401

Attention: Ron Fellows

*RE: Southland Royalty Company (Meridian Oil, Inc.)
Davis Well No. 19, proposed unorthodox coal gas
well location, 1840' FNL - 1110' FWL (Unit E), 1-
T31N-R12W, Basin-Fruitland Coal Gas Pool, San
Juan County, New Mexico.*

Dear Mr. Fellows:

Enclosed please find a copy of an unorthodox coal gas well location request that the NMOCD received on April 11, 1990. This information is being provided to you for your records since the well is within your jurisdiction. Should you have any comments or suggestions, please contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Michael E. Stogner".

Michael E. Stogner
Chief Hearing Officer/Engineer

MES/ag

cc: Oil Conservation Division - Aztec
Meridian Oil, Inc. - Farmington

MERIDIAN OIL

RECEIVED
DIVISION

'90 APR 11 AM 8 46

*Copy sent to
E. Bosch*

4/12/90

April 10, 1990

Certified Mail

Mr. William LeMay
New Mexico Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87503

Dear Mr. LeMay:

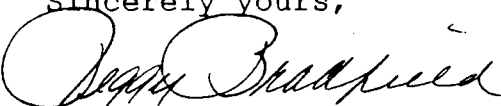
This is a request for administrative approval for an unorthodox gas well location in the Basin Fruitland Pool.

It is intended to locate the Meridian Oil Inc.'s Davis #19 at 1840' from the North line and 1110' from the West line of Section 1, T-31-N, R-12-W, San Juan County, New Mexico. This well was originally drilled as a Pictured Cliffs and is intended to be plugged back to the Fruitland Coal Pool.

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.

A copy of the plat showing the location of this well, along with an offset operators/owners plat is attached.

Sincerely yours,



Peggy Bradfield

encl.

WAIVER

_____ hereby waives objection to Meridian Oil Inc.'s application for an unorthodox location for their Davis #19 as proposed above.

By: _____ Date: _____

xc: Mesa Limited Partnership (Att: Mark Seale)

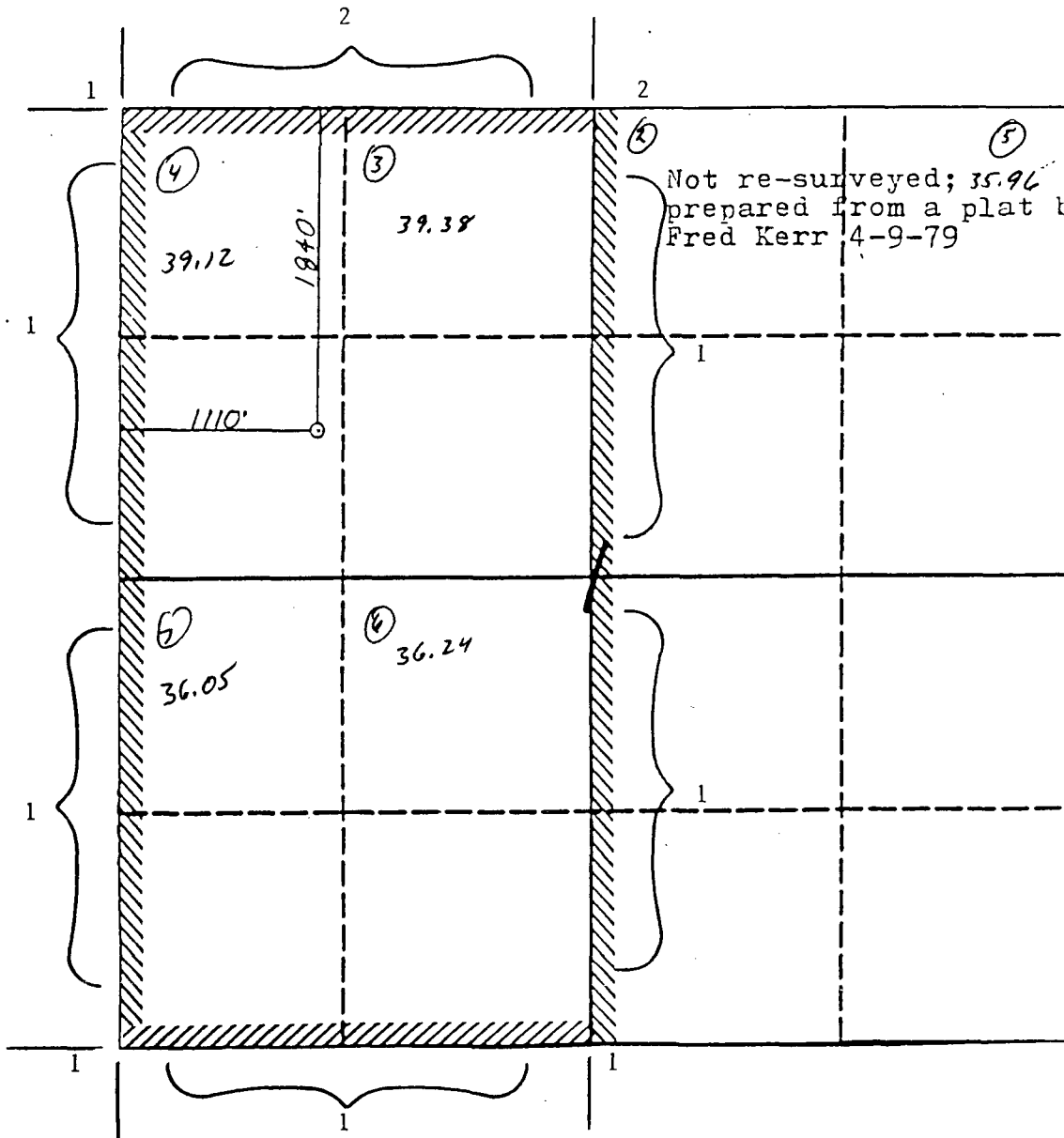
MERIDIAN OIL INC

Well Name Davis #19

Footage 1840' FNL, 1110' FWL

APPLICATION FOR NON-STANDARD LOCATION

County San Juan State New Mexico Section 1 Township 31N Range 12W



Remarks 1) Southland Royalty Company
2) Mesa Limited Partnership (Attn: Mark Seale)

Submit to Appropriate—
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

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

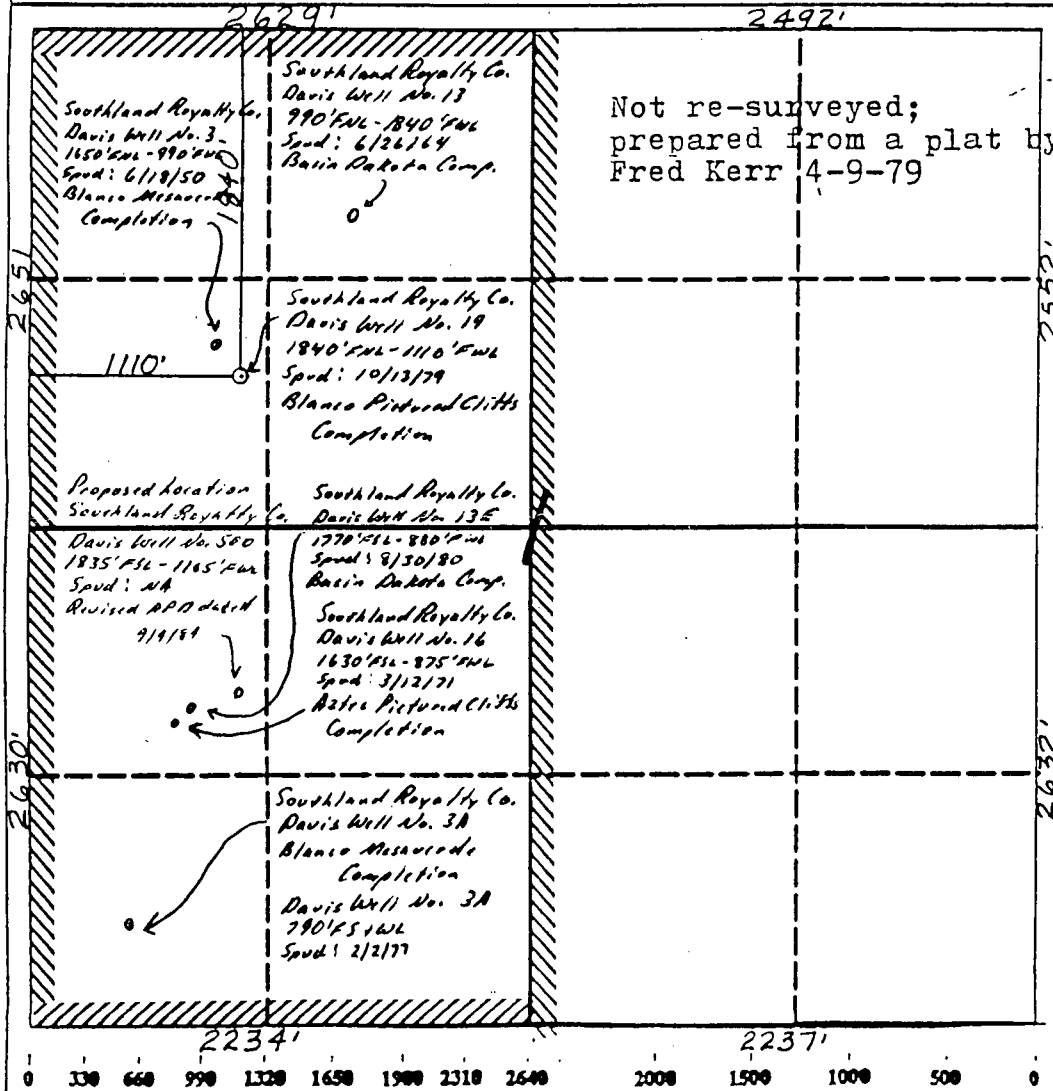
1000 Rio Branos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator Meridian Oil Inc.		Lease Davis (SF-C77648)		Well No. 19
Unit Letter E	Section 1	Township 31 North	Range 12 West	County San Juan
Actual Footage Location of Well: 1840 feet from the North line and 1110 feet from the West line				
Ground level Elev. 6307	Producing Formation Fruitland Coal	Pool Basin	Dedicated Acreage: 310.79 Acres	

- Outline the acreage dedicated to the subject well by colored pencil or backbone 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 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 interest, has been approved by the Division.



OPERATOR CERTIFICATION

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

Signature
Peggy Bradfield
Printed Name
Regulatory Affairs
Position
Meridian Oil Inc.
Company
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes 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.

4-3-90
Date Surveyed
Signature of Surveyor
Professional Surveyor
NEW MEXICO
6857
6857
REGISTERED LAND SURVEYOR
Neale C. Edwards



GARREY CARRUTHERS
GOVERNOR

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

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

Date: 4-12-90

ATTN: Mike Stogner

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

Re: Proposed MC _____
Proposed DHC _____
Proposed NSL X _____
Proposed SWD _____
Proposed WFX _____
Proposed PMX _____

Gentlemen:

I have examined the application dated 4-11-90
for the Meridian Oil Inc. Davis #19
Operator Lease & Well No.

E-1-31N-12W and my recommendations are as follows:
Unit, S-T-R

Approve

Yours truly,

Ernest Busch

MERIDIAN OIL

OIL CONSERVATION DIVISION
RECEIVED

'90 APR 11 AM 8 46

*Copy sent to
E. Busch*

4/12/90

April 10, 1990

Certified Mail

Mr. William LeMay
New Mexico Oil Conservation Division
Post Office Box 2088
Santa Fe, New Mexico 87503

Dear Mr. LeMay:

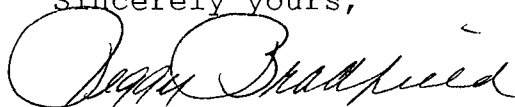
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Peggy Bradfield

encl.

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By: _____ Date: _____

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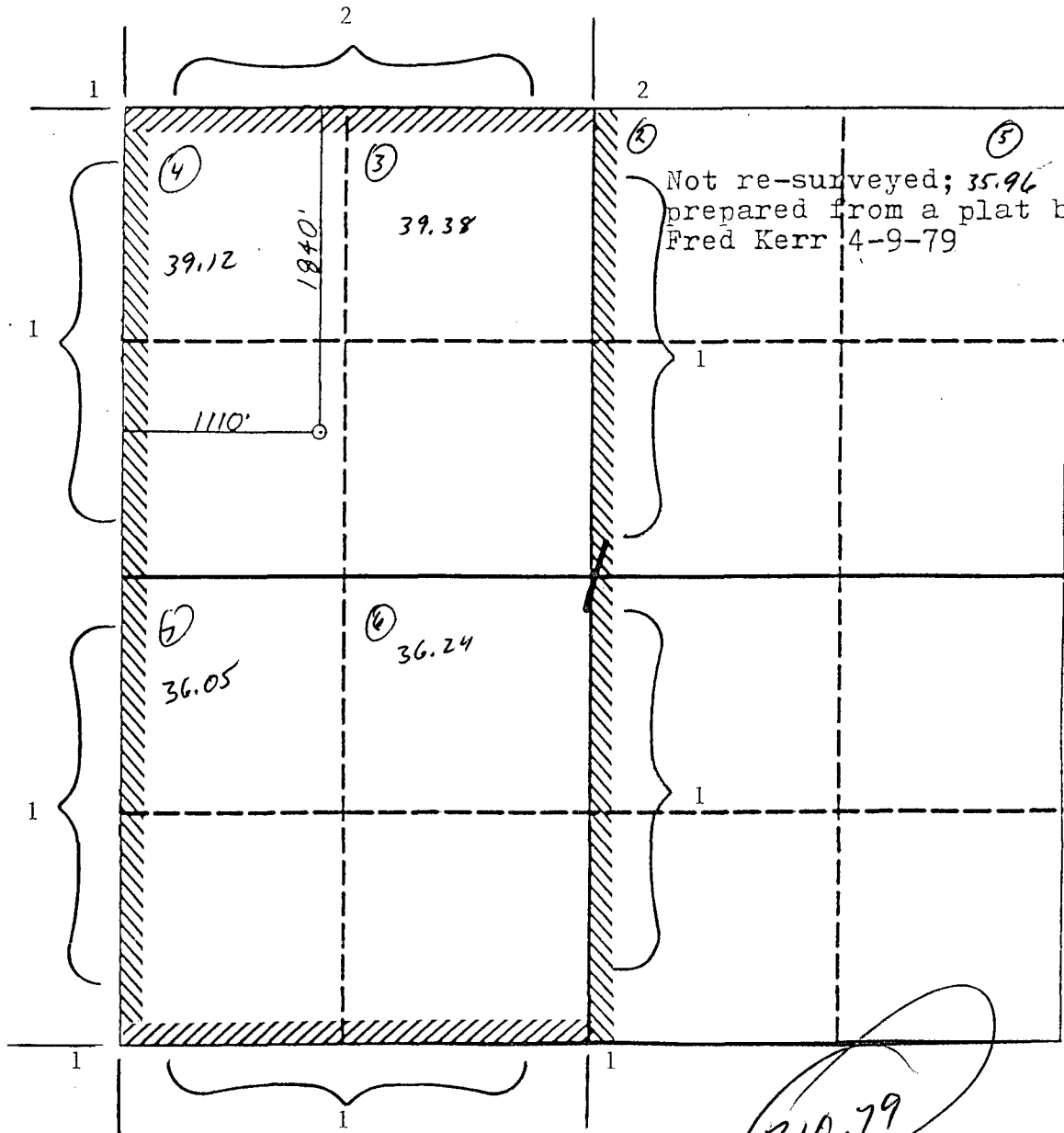
MERIDIAN OIL INC

Well Name Davis #19

Footage 1840' FNL, 1110' FWL

APPLICATION FOR NON-STANDARD LOCATION

County San Juan State New Mexico Section 1 Township 31N Range 12W



Remarks 1) Southland Royalty Company
 2) Mesa Limited Partnership (Attn: Mark Seale)

Submit to Appropriate
District Office
State Lease - 4 copies
Fee Lease - 3 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised 1-1-89

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

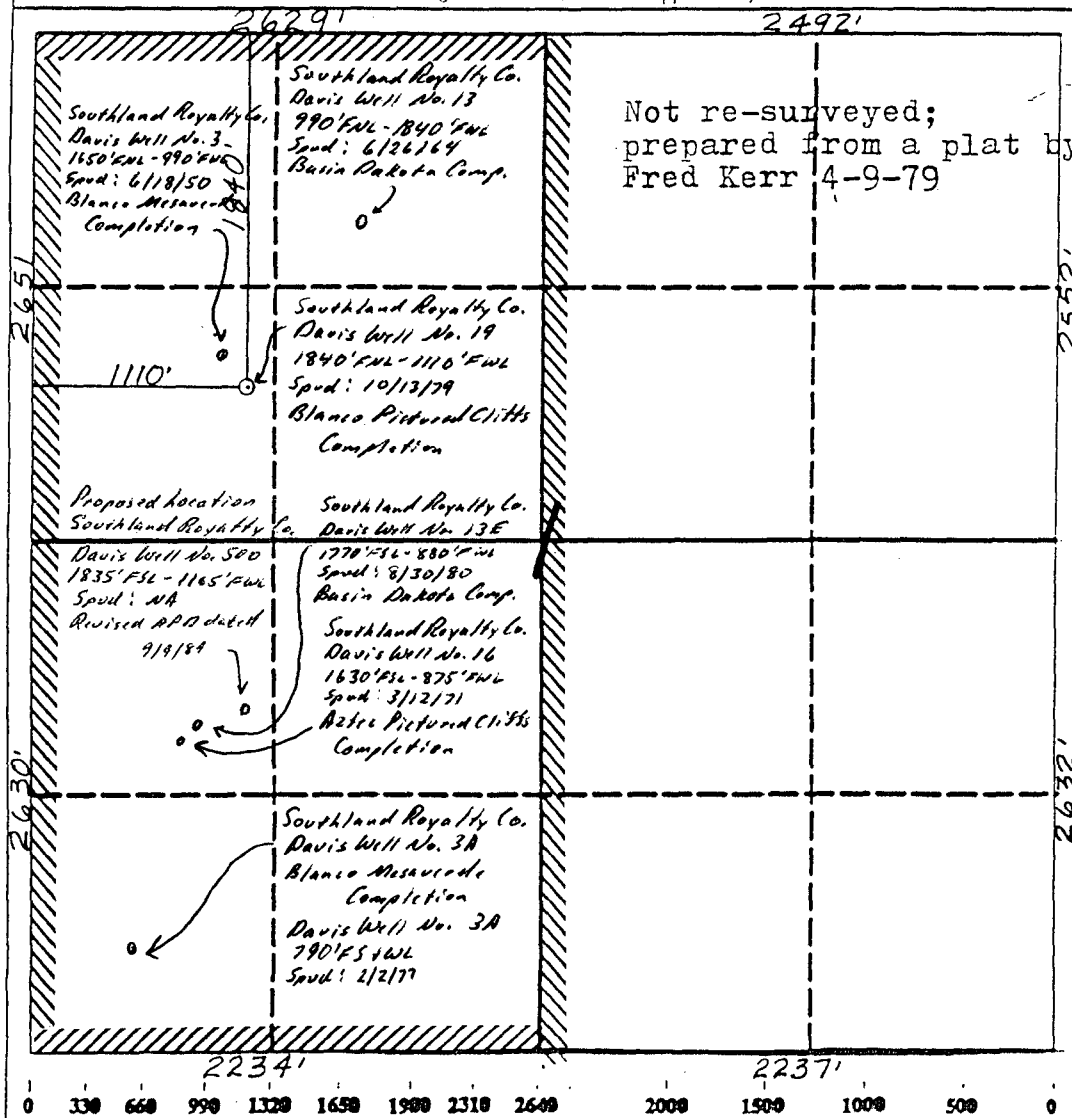
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

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If answer is "no" list the owners and tract descriptions which have actually been consolidated. (Use reverse ends of this form if necessary.)
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OPERATOR CERTIFICATION

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

Signature
Peggy Bradfield
Printed Name
Regulatory Affairs
Position
Meridian Oil Inc.
Company
Date

SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes or 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
4-3-90
Signature of Surveyor
Professional Surveyor
Neale C. Edwards
REGISTERED LAND SURVEYOR
6857
6857

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

JUL 13 1987

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

OIL CONSERVATION DIVISION

SANTA FE

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

REQUEST FOR ALLOWABLE
AND
AUTHORIZATION TO TRANSPORT OIL AND NATURAL GAS

Form C-104
Revised 10-01-78
Format 08-01-83
Page 1

RECEIVED
JUN 22 1987
OIL CON. DIV.

I. Operator

Southland Royalty Company

Address

PO Box 4289, Farmington, NM 87499

Reason(s) for filing (Check proper box)

☐ New Well ☐ Change in Transporter of: ☐ Oil ☒ Dry Gas

☐ Recompletion ☐ Casinghead 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: Davis Well No. 19 Pool Name, including Formation: Blanco Pictured Cliffs Kind of Lease: State, Federal or Fee SF 077648 Lease No.

Location: E 1840 North 1110 West

Unit Letter: 1 Feet From The 31N Line and 12W Feet From The San Juan

Line of Section: Township: Range: NMPM, County:

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil ☐ or Condensate ☒ Meridian Oil Inc. Address (Give address to which approved copy of this form is to be sent) PO Box 4289, Farmington, NM 87499

Name of Authorized Transporter of Casinghead Gas ☐ or Dry Gas ☐ Sunterra Gas Gathering Co. Address (Give address to which approved copy of this form is to be sent) P.O. Box 1899, Bloomfield, NM 87413

If well produces oil or liquids, give location of tanks. Unit: 1 Sec. 31N 12W Is gas actually connected? when

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

NOTE: Complete Parts IV and V on reverse side if necessary.

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 is true and complete to the best of my knowledge and belief.

OIL CONSERVATION DIVISION

JUN 22 1987

APPROVED _____, 19

BY _____

TITLE SUPERVISION DISTRICT # 5

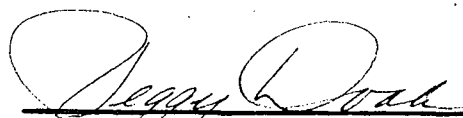
This form is to be filed in compliance with RULE 1104.

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 multiple completed wells.


Drilling Clerk (Signature)

May 15, 1987

(Title)

(Date)

OIL CONSERVATION COMMISSION

1000 Rio Brazos Road

AZTEC, NEW MEXICO 87410

NOTICE OF GAS CONNECTION

(5) DATE March 20, 1980

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

Davis

19

(E)01-31N-12W

LEASE

WELL UNIT

S - T - R

Blanco Pictured Cliffs Ext.

Southern Union Gathering Company

POOL

NAME OF PURCHASER

WAS MADE ON 3-19-80

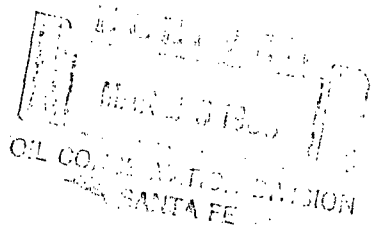
, FIRST DELIVERY 3-19-80

DATE

DATE

555

INITIAL POTENTIAL



Southern Union Gathering Company
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, Prorations

Mr. Dan McFearin, Gas Accting.

Mr. W. B. Richardson, Gas Measurement

Ms. Gail Atkins, Gas Supply

Mr. Perry McFarland, Kutz

File



No. of Copies Received	5
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GAS	1
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

API 30-045-23535

I. OPERATOR

Operator
Southland Royalty Company

Address
P. O. Drawer 570, Farmington, New Mexico

Reason(s) for filing (Check proper box)

New Well ☒ Change in Transporter of: ☐ Other (Please explain)

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	Well No.	Pool Name, including Formation	Kind of Lease	Lease No.
Davis	19	Blanco Pictured Cliffs <i>cat</i>	XXXX Federal XXXX Federal	SF-077648
Location				
Unit Letter	E	1840 Feet From The north	Line and 1110	Feet From The west
Line of Section	1	Township 31N	Range 12W	NMPM, San Juan 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)
Southern Union Gas Company	P.O. Box 1899, Bloomfield, New Mexico 87413
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When
	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. Drill, Res'v.
		X	X				
Date Spudded	Date Compl. Ready to Prod.	Total Depth	P.B.T.D.				
10-13-79	12-11-79	3029'	3006'				
Elevations (DF, RKB, RT, GR, etc.)	Name of Producing Formation	Top Oil/Gas Pay	Tubing Depth				
6307' GR	Pictured Cliffs	2886'	---				
Perforations	Depth Casing Shoe						
2886' - 2916'	3016'						
TUBING, CASING, AND CEMENTING RECORD							
HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT				
12-1/4"	8-5/8"	147'	110 sacks				
6-3/4"	2-7/8"	3016'	293 sacks				

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)

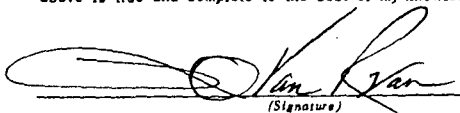
Date First New Oil Run To Tanks	Date of Test	Producing Method (Flow, pump, gas lift, etc.)	
Length of Test	Tubing Pressure	Casing Pressure	Choke Size
Actual Prod. During Test	Oil-Bbls.	Water-Bbls.	Gas-MCF

GAS WELL

Actual Prod. Test-MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
555 MCF/d			1.000 G.W.
Testing Method (pitot, back pr.)	Tubing Pressure (shut-in)	Casing Pressure (shut-in)	Choke Size
Pitot	---	765#	DIST. 3

VI. 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.



District Production Manager

December 20, 1979

(Date)

OIL CONSERVATION COMMISSION

APPROVED JAN 21 1980

BY Frank S. Gray

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.

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 *

1a. TYPE OF WELL:				OIL WELL <input type="checkbox"/>	GAS WELL <input checked="" type="checkbox"/>	DRY <input type="checkbox"/>	Other _____																				
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 _____																		
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 1840' FNL & 1110' FWL At top prod. interval reported below At total depth																											
14. PERMIT NO.																											
15. DATE SPUDDED 10-13-79																											
16. DATE T.D. REACHED 10-15-79																											
17. DATE COMPL. (Ready to prod.) 12-11-79																											
18. ELEVATIONS (DF, REB, BT, GR, ETC.)* 6307' GR																											
19. ELEV. CASINGHEAD																											
20. TOTAL DEPTH, MD & TVD 3029'																											
21. PLUG, BACK T.D., MD & TVD 3006'																											
22. IF MULTIPLE COMPL., HOW MANY*																											
23. INTERVALS DRILLED BY																											
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 2886' - 2916' (Pictured Cliffs)																											
25. WAS DIRECTIONAL SURVEY MADE Deviation																											
26. TYPE ELECTRIC AND OTHER LOGS RUN IES, GR-Density and GR-Correlation Logs																											
27. WAS WELL CORED No																											
28. CASING RECORD (Report all strings set in well)																											
<table border="1"><thead><tr><th>CASINO 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>8-5/8"</td><td>24#</td><td>147'</td><td>12-1/4"</td><td>110 sacks</td><td></td></tr><tr><td>2-7/8"</td><td>6.5#</td><td>3016'</td><td>6-3/4"</td><td>293 sacks</td><td></td></tr></tbody></table>										CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	8-5/8"	24#	147'	12-1/4"	110 sacks		2-7/8"	6.5#	3016'	6-3/4"	293 sacks	
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED																						
8-5/8"	24#	147'	12-1/4"	110 sacks																							
2-7/8"	6.5#	3016'	6-3/4"	293 sacks																							
29. LINER RECORD																											
<table border="1"><thead><tr><th>SIZE</th><th>TOP (MD)</th><th>BOTTOM (MD)</th><th>SACKS CEMENT*</th><th>SCREEN (MD)</th></tr></thead><tbody><tr><td>----</td><td>----</td><td>----</td><td>----</td><td>----</td></tr></tbody></table>										SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	----	----	----	----	----								
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)																							
----	----	----	----	----																							
30. TUBING RECORD																											
<table border="1"><thead><tr><th>SIZE</th><th>DEPTH SET (MD)</th><th>PACKER SET (MD)</th></tr></thead><tbody><tr><td>----</td><td>----</td><td>----</td></tr></tbody></table>										SIZE	DEPTH SET (MD)	PACKER SET (MD)	----	----	----												
SIZE	DEPTH SET (MD)	PACKER SET (MD)																									
----	----	----																									
31. PERFORATION RECORD (Interval, size and number) 2886', 2896', 2906', 2916'																											
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC. DEPTH INTERVAL (MD) 2886' - 2916' AMOUNT AND KIND OF MATERIAL USED 45,696 gallons of water and 400# of 20/40 sand. OIL CON. C DIST. 3																											
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 12-18-79																											
HOURS TESTED																											
CHOKE SIZE																											
PROD'N. FOR TEST PERIOD																											
OIL—BBL.																											
GAS—MCF.																											
WATER—BBL.																											
GAS-OIL RATIO																											
FLOW. TUBING PRESS.																											
CASING PRESSURE																											
CALCULATED 24-HOUR RATE																											
OIL—BBL.																											
GAS—MCF.																											
WATER—BBL.																											
OIL GRAVITY-API (CORR.)																											
555 PITOT TUBE TEST GAUGED																											
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Sold																											
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 December 20, 1979 FARMINGTON DISTRICT																											

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

NMOCCT

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.	NAME	MEAS. DEPTH TRUE VERT. DEPTH
Ojo Alamo	1303'				
Fruitland	2389'				
Pictured Cliffs	2824'				

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test <input checked="" type="checkbox"/> Initial <input type="checkbox"/> Annual <input type="checkbox"/> Special					Test Date 12-18-79	
Company Southland Royalty Company				Connection Southern Union Gathering		
Pool Blanco				Formation Pictured Cliffs		Unit
Completion Date 12-11-79		Total Depth 3029'		Plug Back TD 3006'		Elevation 6307' GR
Csg. Size 2.875	Wt. 6.5#	d 2.441	Set At 3016'	Perforations: From 2886' To 2916'		Well No. 19
Thg. Size -----	Wt. -----	d -----	Set At ---	Perforations: From ----- To -----		Unit Sec. Twp. Rge. E 1 31N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At -----		County San Juan
Producing Thru Csg		Reservoir Temp. °F θ		Mean Annual Temp. °F		State New Mexico
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover Meter Run Taps

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	PITOT TUBE TEST								765#		
2.									6 oz		24 hrs
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1.							555
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ X X X X X X X X
3.					Specific Gravity Flowing Fluid _____ X X X X X
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

NO.	P _t ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$ _____ AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$ _____
1.					
2.					
3.					
4.					

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n _____
Remarks: _____			
Approved By Commission:	Conducted By: Leroy Castleman	Calculated By: James Smith	Checked By:

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
Southland Royalty Company
3. ADDRESS OF OPERATOR
P. O. Drawer 570, Farmington, New Mexico 87401
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1840' FNL & 111' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
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 type="checkbox"/>
(other) Perforation & Stimulation			

5. LEASE
SF-077648
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Davis
9. WELL NO.
19
10. FIELD OR WILDCAT NAME
Blanco Pictured Cliffs
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 1-T31N-R12W
12. COUNTY OR PARISH
San Juan
13. STATE
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
6307' 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.)*

11-29-79 Perforated the Pictured Cliffs at 2886', 2896', 2906', 2916'.
Total of 4 holes.
Fraced with 45,696 gallons of water and 41,800# of 20/40 sand.
ATP 1500#, AIR 8, ISIP 450#

Subsurface Safety Valve: Manu. and Type

Set @ 2 Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE Dist. Prod. Mgr

DATE November 30, 1979

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

NMOCC

APPROVED

*See Instructions on Reverse Side

DEC 7 1979

JAMES F. SIMS
DISTRICT OIL & GAS SUPERVISOR

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-B4424.

5. LEASE DESIGNATION AND SERIAL NO.

SF-077648

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Southland Royalty Company	8. FARM OR LEASE NAME Davis
3. ADDRESS OF OPERATOR P. O. Drawer 570, Farmington, NM 87401	9. WELL NO. #19
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1840' FNL & 1110' FWL	10. FIELD AND POOL, OR WILDCAT Blanco Pictured Cliffs
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.) 6307' GR
	12. COUNTY OR PARISH San Juan
	13. STATE New Mexico

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Casing Report

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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.)*

10-16-79 Set 3004' of 2 7/8", 6.5#, EUE tubing at 3016'.
Cemented with 243 sacks of 50/50 Class "B" Poz with 6% gel,
tailed in with 50 sacks of Class "B" with 2% CaCl₂.
Plug down at 1:00 PM, 10-16-79.
WOCT. Top of Cement @ 1300'

RECEIVED
DEC 0 1979
OIL CONSERVATION DIVISION
SANTA FERECEIVED
OCT 24 1979
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.OCT 02 1979
U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.RECEIVED
NOV 15 1979
OIL CON. COM.
DIST. 3

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE District Production Manager

DATE 10-17-79

(This space for Federal or State office use)

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

NMOCC

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

SF-077648

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Davis

9. WELL NO.

#19

10. FIELD AND POOL, OR WILDCAT

Blanco Pictured Cliffs

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

Section 1, T31N, R12W

12. COUNTY OR PARISH

San Juan

13. STATE

New Mexico

1.

OIL ☐ GAS ☒ OTHER ☐
WELL WELL

2. NAME OF OPERATOR

Southland Royalty Company

3. ADDRESS OF OPERATOR

P. O. Drawer 570, Farmington, NM 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

1840' FNL & 1110' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

6307' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☐CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐Spud and Casing Report ☒
(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

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).*

10-13-79

Spudded a 12 1/4" surface hole at 10:00 PM, 10-13-79 and drilled to a TD of 149'. Set 3 joints (135.10') of 8 5/8", 24#, K-55, 8 Rd casing at 147.10'. Cemented with 110 sacks of Class "B" neat with 2% CaCl₂. Plug down at 4:00 AM, 10-14-79. Cement circulated to surface.

RECEIVED

OCT 17 1979

U. S. GEOLOGICAL SURVEY
FARMINGTON, N. M.

18. I hereby certify that the foregoing is true and correct

SIGNED

CC Parsons

TITLE

District Engineer

DATE

10-16-79

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

MOCC

*See Instructions on Reverse Side

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

Southland Royalty Company

3. ADDRESS OF OPERATOR

P. O. Drawer 570, Farmington, New Mexico

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

At surface

1840' FNL & 1110' FWL

At proposed prod. zone

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

6 miles northwest of Aztec, New Mexico

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drig. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED
TO THIS WELL

158.50

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

19. PROPOSED DEPTH

3029'

20. ROTARY OR CABLE TOOLS

Rotary

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

6307' GR

22. APPROX. DATE WORK WILL START*

June 1, 1979

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24#	135'	195 cu. ft.
8-3/4"	2-7/8"	6.5#	3029'	421 cu. ft.

Surface formation is Nacimiento.

Top of Ojo Alamo sand is at 1649'.

Fresh water mud will be used to drill from surface to total depth.

It is anticipated that an IES and a GR-Density log will be run at total depth.

It is expected that this well will be drilled before September 1, 1979. This

depends on time required for approvals, rig availability and the weather.

No abnormal pressures or poisonous gases are anticipated in this well.

Gas is dedicated.

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

TITLE District Production Manager DATE April 30, 1979

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

**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.

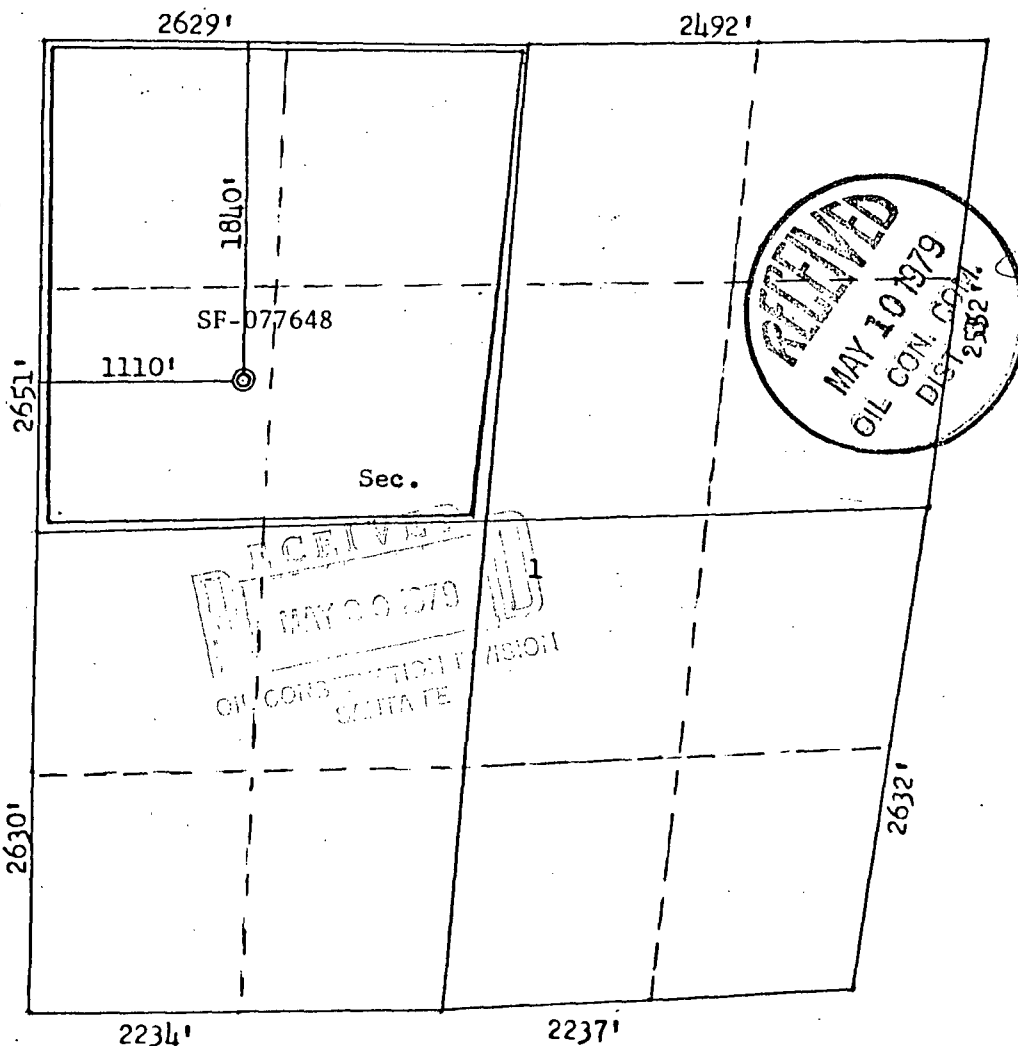
Operator SOUTHLAND ROYALTY COMPANY			Lease DAVIS		Well No. 19
Unit Letter E	Section 1	Township 31N	Range 12W	County SAN JUAN	
Actual Footage Location of Well: 1840 feet from the North line and 1110 feet from the West line					
Ground Level Elev.: 6307	Producing Formation Pictured Cliffs		Pool Blanco	Dedicated Acreage: 158.50 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.



CERTIFICATION

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

Name _____
Position _____
District Production Manager
Company _____
Southland Royalty Company
Date _____
April 30, 1979

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 _____
April 9, 1979
Registered Professional Engineer and Land Surveyor
Fred B. Kerr, Jr.
Certificate No. 3750

DRILLING SCHEDULE - DAVIS #19

Location: 1840' FNL & 1110' FWL, Sec. 1, T31N, R12W, San Juan County, New Mexico

Field Blanco Pictured Cliffs

Elevation: 6307' GR

Geology:

Formation Tops:	Ojo Alamo	1649'
	Fruitland	2384'
	Pictured Cliffs	2859'
	Total depth	3029'

Logging Program: IES and GR-Density at total depth.

Coring Program : None

Natural Gauges : None

Drilling

Contractor:

Tool Pusher:

SRC Representative:

SRC Answering Service: 325-1841

Dispatch Number: 325-7391

Mud Program:

Fresh water mud from surface to total depth.

Materials

Casing Program:	Hole Size	Depth	Casing Size	Wt. & Grade	
	12-1/4"	135'	8-5/8"	24#	K-55
	6-3/4"	3029'	2-7/8"	6.5#	K-55

Float Equipment

8-5/8" Surface Casing: Pathfinder cement guide shoe (#1003-1-010).

2-7/8" Production Casing: Notched collar guide shoe. Howco 2 7/8" latch down baffle (Pr. Ref. 60). Two 3 1/16" rubber balls and one 2 7/8" Omega latching plug (Pr. Ref. 59). Use 3 1/4" plug container head. Six (6) B & W stabilizers on bottom 6 joints.

Wellhead Equipment: 8 5/8" X 2 7/8", EUE, screwed head.

DRILLING SCHEDULE - DAVIS #19

Cementing

8-5/8" Surface Casing: 195 cu. ft. (165 sxs) Class "B" with 1/4# gel flake per sx and 3% CaCl₂. (100% excess)

2-7/8" Production Casing: 421 cu. ft. (243 sxs) of 50/50 Class "B" Poz with 6% gel mixed with 7.2 gals water per sx to weigh 12.85 ppg. Tail in with 50 sxs Class "B" with 2% CaCl₂. If lost circulation occurs add 1/4 cu. ft. fine gilsonite per sack. (50% excess to cover Ojo Alamo) Displace cement with 50 gals of 7 1/2% acetic acid. Run temperature survey after 12 hours.



Southland Royalty Company

United States Geological Survey
P. O. Box 959
Farmington, New Mexico 87401

Attention: Mr. P. T. McGrath

Dear Sir:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and, that the work associated with the operations proposed herein be performed by Southland Royalty Company and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

Date: April 30, 1979

Name: 

Title: District Production Manager



Southland Royalty Company

April 30, 1979

United States Geological Survey
P. O. Box 959
Farmington, New Mexico 87410

Attention: Mr. P. T. McGrath

Dear Sir:

Enclosed please find a map showing existing roads and planned access roads to Southland Royalty Company's Davis #19 well. The locations of tank batteries and flow lines will be on location with well. A burn pit will be provided for disposal of trash. Cuttings, drilling fluid and produced fluids will be put into the reserve pit and properly disposed of depending on amount and type of fluids.

There will be no camps or air strips.

Also, enclosed is a location layout showing approximate location of rig, pits and pipe racks.

Water supply will be Farmer's Ditch.

The location will be restored to the land owner's satisfaction. If this is not satisfactory, please have the Bureau of Land Management contact the land owner. This work will begin when all related construction is finished.

Mr. Max Larson will be Southland Royalty Company's field representative supervising these operations.

Yours truly,

L. O. Van Ryan
District Production Manager

LOVR/dg



Southland Royalty Company

April 30, 1979

United States Geological Survey
P. O. Box 959
Farmington, New Mexico

Attention: Mr. Phil McGrath

Re: Davis #19

Dear Sir:

We intend to rehabilitate damaged area to land owners wishes;
however, the land owner has not specified exact restoration at this
time.

If this is not acceptable, please have the Bureau of Land Manage-
ment contact the land owner.

Yours truly,

L. O. Van Ryan
District Production Manager

LOVR/dg

Attachment



Southland Royalty Company

April 30, 1979

United States Geological Survey
P. O. Box 959
Farmington, New Mexico

Attention: Mr. P. T. McGrath

Re: Blowout Preventer Plan

Dear Sir:

All drilling and completion rigs will be equipped with 8" or larger double gate hydraulic blowout preventers and a hydraulic operated closing unit with steel lines.

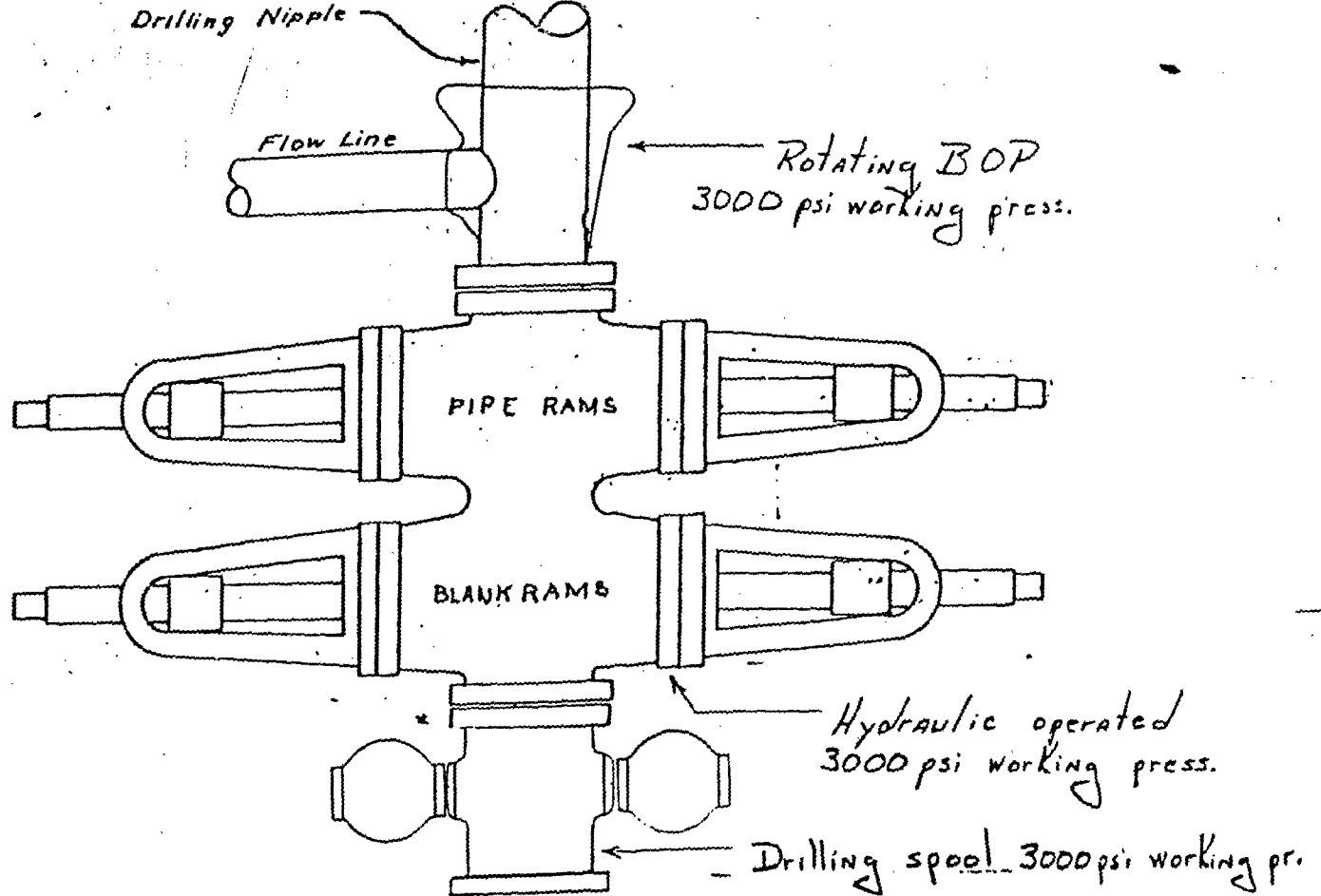
The preventer is 3000# working pressure and 6000# test.

All crews will be thoroughly trained in the operation of this preventer.
The preventer will be tested frequently enough to insure proper operation.

Yours truly,

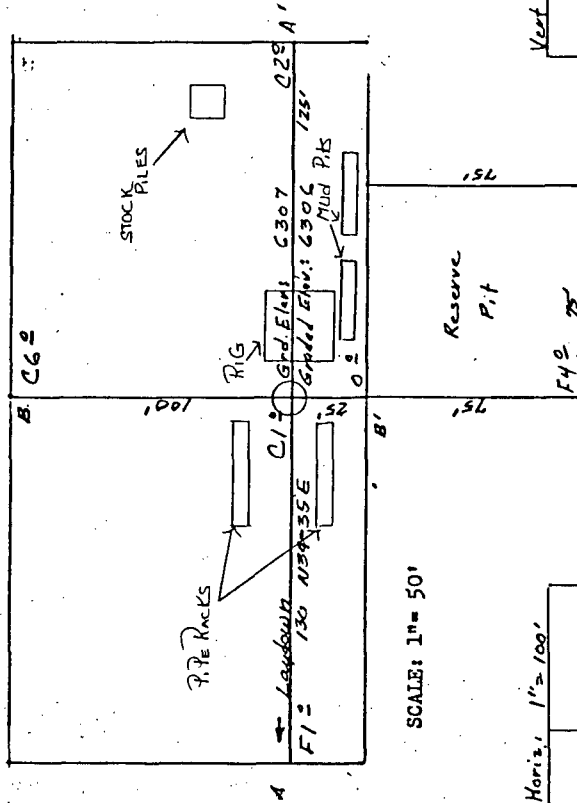
L. O. Van Ryan
District Production Manager

LOVR/dg



Preventers and spools are to have
through bore of 8" - 3000# PSI or larger.

SECTION 17, T13N, R12W
 SOUTHLAND ROYALTY COMPANY #19 DAVIS
 1810' FNL 1110' FNL Sec 1-131N-12W
 SAN JUAN COUNTY, NEW MEXICO



SCALE: 1" = 50'

Vert: 1"=40' A-A' & Horiz: 1"=100'

6310					
6300					
6290					

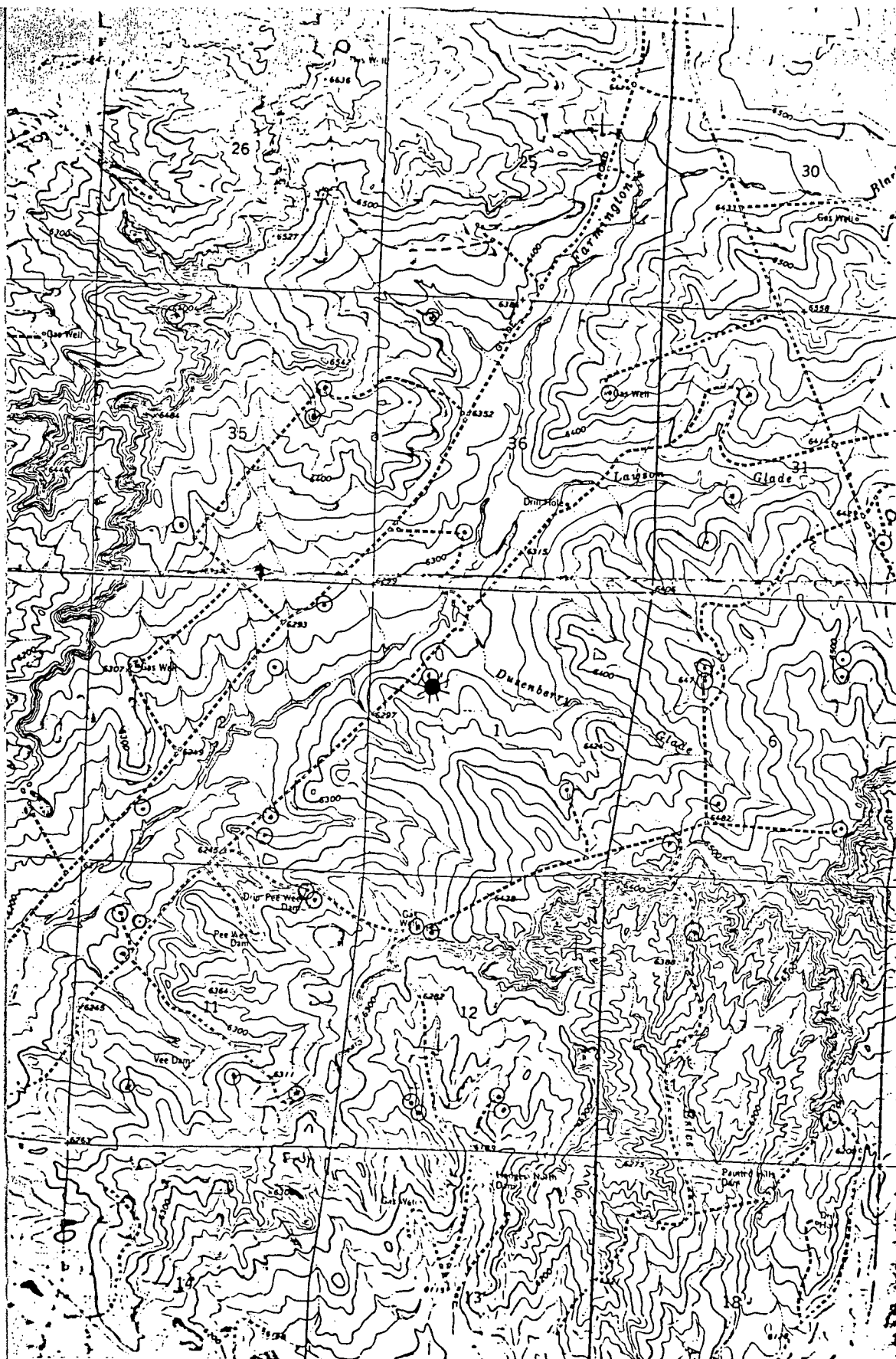
B-B' &

6310					
6300					
6290					

Vert: 1"=40' C-C' & Horiz: 1"=100'

D-D' &

KERR LAND SURVEYING
 Date: 4-9-79



PROPOSED LOCATION
 EXISTING LOCATIONS
 PROPOSED ROAD
 PROPOSED ROADS



Vicinity Map for
 SOUTHLAND ROYALTY CO. #19 DAVIS
 1840'FNL 1110'FWL Sec 1-T31N-R12W
 SAN JUAN COUNTY, NEW MEXICO