

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION



December 3, 1991

BRUCE KING
GOVERNOR

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

Mewbourn Oil Company
c/o James Bruce
500 Marquette NW - Suite 800
Albuquerque, New Mexico 87102-2121

*Second Amendment
Administrative Order NSL-2736*

Dear Mr. Bruce:

Reference is made to your application dated September 30, 1991 to include the Hart Draw - Atoka Gas Pool in the provisions of Division Administrative Order NSL-2736, dated December 21, 1989, as amended February 1, 1990, which authorized Mewbourn Oil Company to test the Undesignated Logan Draw Morrow Gas Pool at an unorthodox gas well location 660 feet from the South line and 1190 feet from the West line (Unit M) of Section 17, Township 17 South, Range 27 East, NMPM, Eddy County, New Mexico.

It is our understanding that the Atoka and Morrow intervals are now commingled downhole (Administrative Order DHC-818) and that the S/2 of said Section 17 shall be dedicated to both zones forming a standard 320-acre gas spacing and proration unit in both pools.

By the authority granted me under the provisions of Division General Rule 104F.(1) said Order NSL-2736 is further amended to include both the Atoka and Morrow producing intervals.

All other provisions of said Order NSL-2736, as amended, shall remain in full force and effect until further notice.

Sincerely,

A handwritten signature in black ink, appearing to read "William J. Lemay".

WILLIAM J. LEMAY
Director

WJL/MES/jc

cc: Oil Conservation Division - Artesia
U.S. BLM - Carlsbad
File: DHC-818

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

500 MARQUETTE N.W., SUITE 800

ALBUQUERQUE, NEW MEXICO 87102-2121

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W. E. BONDURANT, JR. (1913-1973)
ROY C. SNODGRASS, JR. (1914-1987)

December 4, 1991

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STUART D. SHANOR
ERIC D. LANPHERE
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WILLIAM B. BURFORD*
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THOMAS J. MCBRIDE
STEVEN D. ARNOLD
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NANCY S. CUSACK
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JEFFREY D. HEWETT
JAMES BRUCE
JERRY F. SHACKELFORD*
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GARY W. LARSON
STEPHANIE LANDRY
JOHN R. KULSETH, JR.
LISA K. SMITH*
JAMES K. SCHUSTER*

*NOT LICENSED IN NEW MEXICO

Mr. Michael Stogner
New Mexico Oil Conservation
Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: Request of Mewbourne Oil Company to Amend Amended
Administrative Order NSL-2736

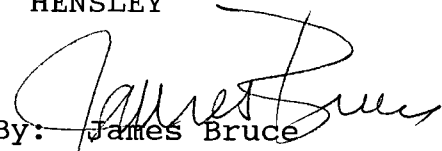
Dear Mr. Stogner:

As you requested, enclosed is Order DHC-818 approving
downhole commingling for the subject well.

We request your prompt attention to this matter; the well is
currently shut in pending approval, and applicant fears formation
damage if the well is shut in for an extended period.

Very truly yours,

HINKLE, COX, EATON, COFFIELD &
HENSLEY

By:  James Bruce

JB:le



BRUCE KING
GOVERNOR

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

POST OFFICE BOX 2088
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SANTA FE, NEW MEXICO 87504
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ADMINISTRATIVE ORDER DHC-818

Mewbourne Oil Company
P.O. Box 7698
Tyler, Texas 75711

Attention: Monty L. Whetstone

*Federal "R" Well No. 1
Unit M, Section 17, Township 17 South, Range 27 East, NMPM,
Eddy County, New Mexico.
Hart Draw Atoka and Logan Draw Morrow Gas Pools*

Dear Mr. Whetstone:

Reference is made to your recent application for an exception to Rule 303-A of the Division Rules and Regulations to permit the subject well to commingle production from both pools in the wellbore.

It appearing that the subject well qualifies for approval for such exception pursuant to the provisions of Rule 303-C, and that reservoir damage or waste will not result from such downhole commingling, and correlative rights will not be violated thereby, you are hereby authorized to commingle the production as described above and any Division Order which authorized the dual completion and required separation of the two zones is hereby placed in abeyance.

In accordance with the provisions of Rule 303-C-4., total commingled oil production from the subject well shall not exceed 70 barrels per day, and total water production shall not exceed 140 barrels per day. The maximum amount of gas which may be produced daily from the well shall be determined by Division Rules and Regulations or by the gas allowable for each respective prorated pool as printed in the Division's Southeast Gas Proration Schedule.

Administrative Order DHC-818
Mewbourne Oil Company
September 26, 1991
Page 2

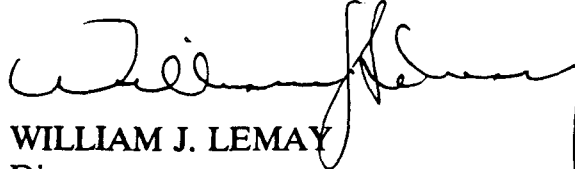
Assignment of allowable to the well and allocation of production from the well shall be on the following basis:

Atoka Pool:	Oil	13%,	Gas	13%
Morrow Pool:	Oil	87%,	Gas	87%

Pursuant to Rule 303-C-5, the commingling authority granted by the order may be rescinded by the Division Director if, in his opinion, conservation is not being best served by such commingling.

Approved at Santa Fe, New Mexico on this 26th day of September, 1991.

STATE OF NEW MEXICO
OIL CONSERVATION DIVISION



WILLIAM J. LEMAY
Director

S E A L

cc: OCD - Artesia
U.S. BLM - Carlsbad

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

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September 30, 1991

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Mr. Michael E. Stogner
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: Request of Mewbourne Oil Company to Amend Amended
Administrative Order NSL-2736

Dear Mr. Stogner:

By Amended Administrative Order NSL-2736, the Division approved an unorthodox gas well location for Mewbourn Oil Company's Fed. "R" Well No. 1, 660' FSL and 1190' FWL of Section 17-17 South-27 East, in Eddy County, to test the undesignated Logan Draw Morrow Gas Pool.

The Morrow was found to be marginally productive from perforations at 8898'-8908' subsurface (producing approximately 200 MCFGPD). Mewbourne then set a retrievable plug and perforated the Atoka formation from 8626'-3638' subsurface, which resulted in an initial productive capacity of 1,110 MCFGPD. A copy of the recompletion report is enclosed. Mewbourne desires to produce from the Atoka formation. Therefore, pursuant to Division rule 104(F)(1), Mewbourne requests that Amended Administrative Order NSL-2736 be amended to permit production from the Atoka formation (the Hart Atoka Gas Pool, formerly the Logan Draw Atoka Gas Pool) at the previously approved Morrow unorthodox location.

For your information, Mewbourne has separately requested approval of downhole commingling of the Morrow and Atoka gas pursuant to Division Rule 303(C) - (G).

Please call me if you have any questions. Thank you.

HINKLE, COX, EATON, COFFIELD & HENSLEY

Mr. Michael E. Stogner
September 30, 1991
Page 2

Very truly yours,

HINKLE, COX, EATON, COFFIELD &
HENSLEY


By: James Bruce

JB:le
Enclosures

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPL. 'E'

(Not other in-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. NM-20351	
6. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ REPAIR ☐ PLUG BACK ☐ REPERFORATE ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME _____	
7. NAME OF OPERATOR Mewbourne Oil Company		7. UNIT AGREEMENT NAME _____	
8. ADDRESS OF OPERATOR P. O. Box 7698, Tyler, Texas 75703		8. FARM OR LEASE NAME FEDERAL "R"	
9. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1190' FWL & 660' FSL At top prod. interval reported below At total depth Same		9. WELL NO. 1	
10. FIELD AND POOL, OR WILDCAT Logan Draw Atoka		10. FIELD AND POOL, OR WILDCAT Logan Draw Atoka	
11. NEPT. T. N. M. OR BLOCK AND SURVEY OR AREA 17-17S-27E		11. NEPT. T. N. M. OR BLOCK AND SURVEY OR AREA 17-17S-27E	
12. PERMIT NO. API #30-015-26302		12. COUNTY OR PARISH Eddy	
13. DATE ISSUED 3/13/90		13. STATE N.M.	
14. DATE T.D. REACHED 4/13/90		14. DATE T.D. REACHED 4/13/90	
15. DATE COMPLETION (Ready to prod.) 6/23/90		15. DATE COMPLETION (Ready to prod.) 6/23/90	
16. ELEVATION (OF, WEL, RT, OR, ETC.)* KB 3383.1', GL 3367.6'		16. ELEVATION (OF, WEL, RT, OR, ETC.)* KB 3383.1', GL 3367.6'	
17. TOTAL DEPTH, MD & TVD 9120'		17. TOTAL DEPTH, MD & TVD 9120'	
18. PLUG BACK T.D., MD & TVD 9074'		18. PLUG BACK T.D., MD & TVD 9074'	
19. IF MULTIPLE COMPLET., HOW MANY? 2		19. IF MULTIPLE COMPLET., HOW MANY? 2	
20. INTERVAL UNDRILLED BY X		20. INTERVAL UNDRILLED BY X	
21. PRODUCING INTERVAL (B) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Atoka - 8626-38'		21. PRODUCING INTERVAL (B) OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Atoka - 8626-38'	
22. TYPE ELECTRIC AND OTHER LOGS RUN SDL - DSN, DLL - MC, MST		22. TYPE ELECTRIC AND OTHER LOGS RUN SDL - DSN, DLL - MC, MST	
23. WAS WELL CURED No		23. WAS WELL CURED No	

24. Casing Record (Report all strings set in well)					
CASING SIZE	WEIGHT, LB/FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT FILLED
13-3/8"	68#	340'	17-1/2"	600 sacks	None
8-5/8"	24#	1825'	11"	1350 sacks	None
4-1/2"	10.5# & 11.6#	9120'	7-7/8"	1900 sacks	None

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-3/8"	8505'	8505'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Atoka - 8626-38' (12' x 24 holes)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Morrow - 8898-8908' (10' x 31 holes)		8626-38'	Acidized w/1500 gals 7 1/2% Mbr-Flo
See Back for Acid and Frac			BC. Foam fraced with 45 tons
			CO2 + 85 bbls gelled 2% KCL wtr
			+ 6300# 20/40 Interprop

33. PRODUCTION							
DATE FIRST PRODUCTION 6/21/90		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing				WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 6/22/90	HOURS TESTED 24	CHUNKS SIZE 12/64"	PROD'N. FOR TEST PERIOD →	OIL—BBL. 10	GAS—MCF. 1,110	WATER—BBL. 6	GAS-OIL RATIO 111,000:1
FLOW. TUBING PARA. 750#	CASING PRESSURE --	CALCULATED 24-HOUR RATE →	OIL—BBL. 10	GAS—MCF. 1,110	WATER—BBL. 6	OIL GRAVITY-API (CORR.) 43°	

34. DISTRIBUTION OF GAS (Sold, used for fuel, vented, etc.) Vented	TEST WITNESSED BY Bill Pierce
---	----------------------------------

35. LIST OF ATTACHMENTS
Logs

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

SIGNED Engelbert Thompson TITLE Engr. Oprns. Secretary DATE 7/06/90

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

4100 EAST MAIN STREET FARMINGTON NEW MEXICO 87402



November 11, 1991

*Rec.
11/15/91*

Mike Stogner
State of New Mexico
Oil Conservation Division
State Land Office Building
Santa Fe, NM 87504

**RE: Unorthodox Location
Rosa Unit No. 361
Mitchell Energy Corporation**

Dear Mr. Stogner:

Enclosed is an application for the above unorthodox location for Mitchell Energy Corporation in the Rosa Unit operated by Meridian Oil Gathering, Inc.

I have also sent a copy of this application to Ernie Busch of the Aztec office, so you will be able to discuss the project with him.

We are expecting Offset Operator approval on this location within a week.

Please don't hesitate to call if you have any questions or require further information.

Sincerely,

TRIGON ENGINEERING, INC.

Cristi Cline

Cristi Cline
Senior Right-of-Way Agent



November 4, 1991

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

**RE: Unorthodox Location
Rosa Unit No. 361
Mitchell Energy Corporation**

Dear Mr. Alexander:

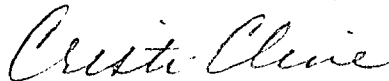
Enclosed is an application for the above unorthodox location for Mitchell Energy Corporation in the Rosa Unit operated by Meridian Oil Gathering, Inc. A one-mile radius map is attached showing the location in relation to other wells in the vicinity.

If Meridian has no objection to the location, please sign the Waiver on the attached application and send it to William LeMay at the NMOCD in Santa Fe.

Thank you for your assistance in this matter. Please don't hesitate to call if you have any questions or require further information.

Sincerely,

TRIGON ENGINEERING, INC.



Cristi Cline
Senior Right-of-Way Agent

cc: Ernie Busch, NMOCD
Mike Stogner, NMOCD



November 4, 1991

William J. LeMay, Director
State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
Post Office Box 2088
State Land Office Building
Santa Fe, New Mexico 87504

Re: Unorthodox Location Waiver
Mitchell Energy Corporation Rosa Unit #361
Meridian Oil Gathering, Inc. - Rosa Unit Operator

Dear Mr. LeMay:

We are submitting an Unorthodox Location Application for the Mitchell Energy Corp. Rosa Unit Well No. 361. Meridian Oil Gathering, Inc., as Operator of the Rosa Unit wells, will receive a copy of the application for approval of the location. The factors determining the location of the site are detailed in the attached package.

If there are no objections to the location, the waiver below will be signed by a representative of Meridian Oil Gathering, Inc.

Thank you for your cooperation.

Sincerely,

TRIGON ENGINEERING, INC.

Cristi Cline
Senior Right-of-Way Agent

Attachment

WAIVER

_____ hereby waives objection to Mitchell
Energy Corporation's application for an unorthodox location for
Rosa Unit Well No. 361.

BY: _____
TITLE: _____
Meridian Oil Gathering Inc.
Operator, Rosa Unit

DATE _____

OIL CONSERVATION DIVISION

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

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

EXHIBIT NO. 3

Page 1 of 2

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 Mitchell Energy Corporation			Lease Rosa Unit		Well No. 361
Unit Letter N	Section 26	Township 31 North	Range 5 West	County Rio Arriba	
Actual Footage Location of Well: 980 feet from the South line and 2500 feet from the West line					
Ground Level Elev. 6545'		Producing Formation		Pool	Dedicated Acreage: Acres

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.

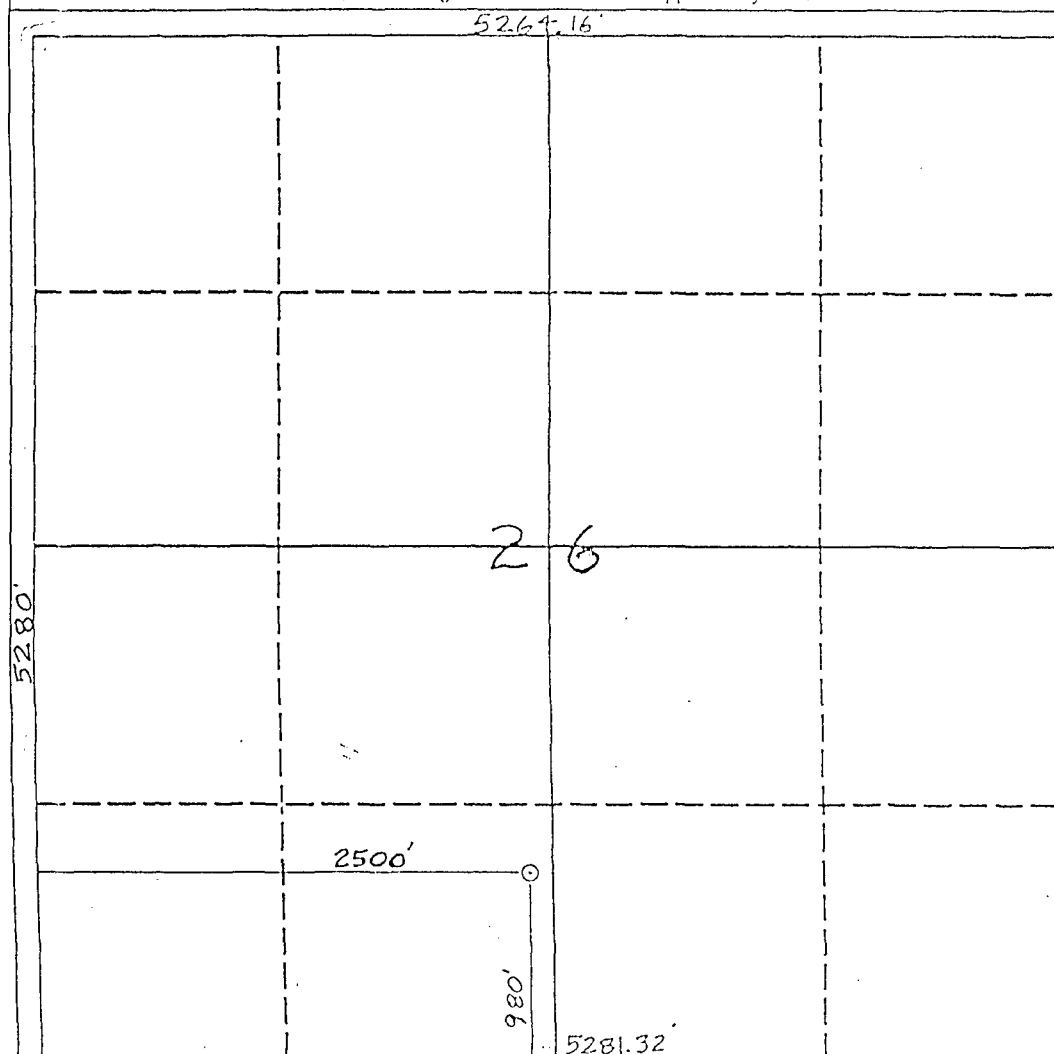
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).

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.

Signature

Printed Name

Position

Company

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.

Date Surveyed

Signature & Seal of Professional Surveyor

Neal G. Edwards

Certificate No.

UNORTHODOX LOCATION APPLICATION
MITCHELL ENERGY CORPORATION
ROSA UNIT WELL NO. 361
Basin Fruitland Coal

SITE LOCATION:

Township 31 North, Range 5 West
Section 26: SESW
980' FSL, 2500' FWL

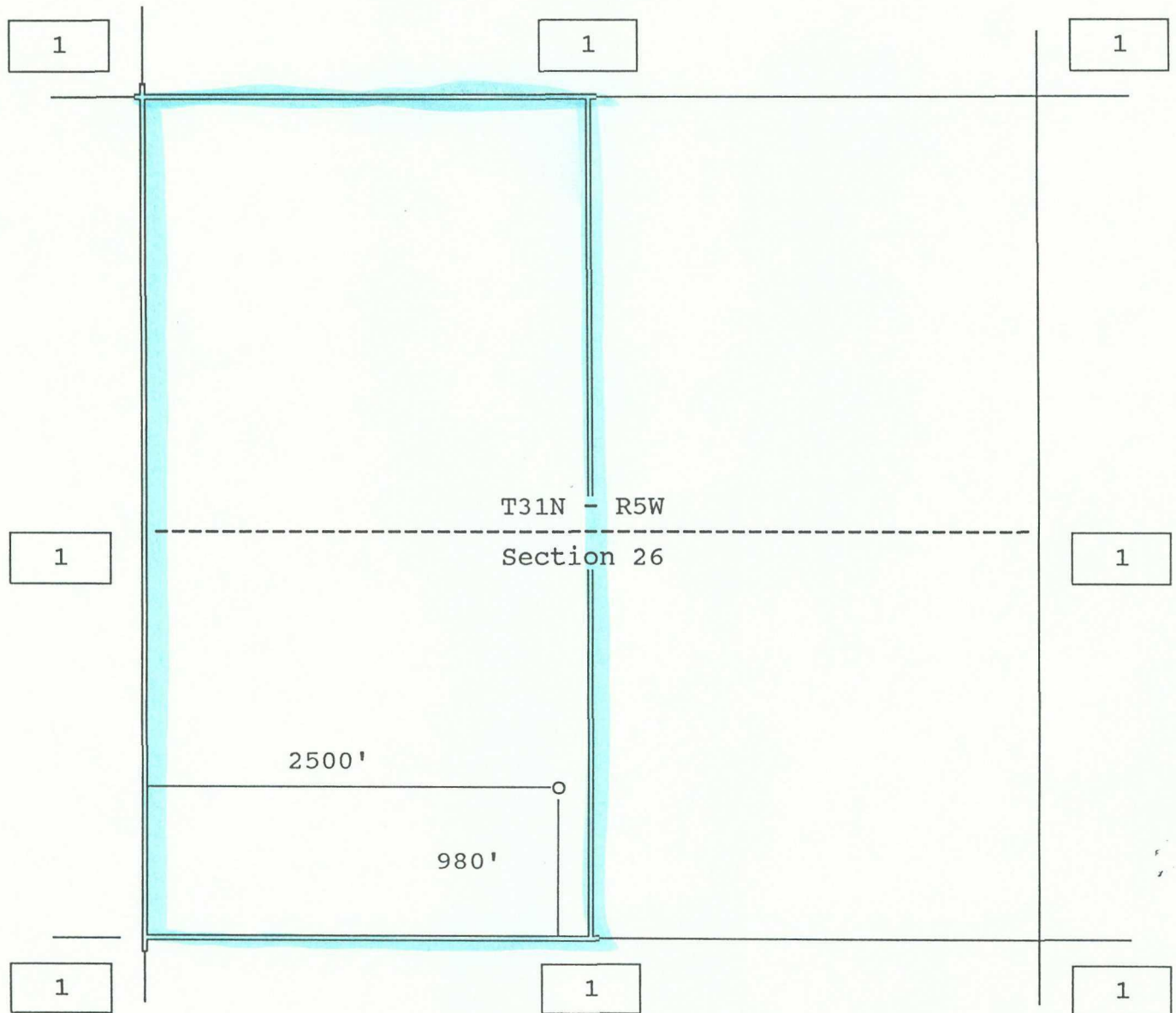
FACTORS DETERMINING UNORTHODOX LOCATION:

The site for the Mitchell Energy Corporation Rosa Unit Well No. 361 has been chosen in an unorthodox location due to rugged topography and the concerns of the Carson National Forest Biologist, Joe Harper.

Attempts were made to locate other possible sites for the proposed well, however, due to topography and wildlife concerns, this is the most feasible location.

ROSA UNIT OWNERSHIP PLAT

Mitchell Energy Corporation
Rosa Unit Well No. 361

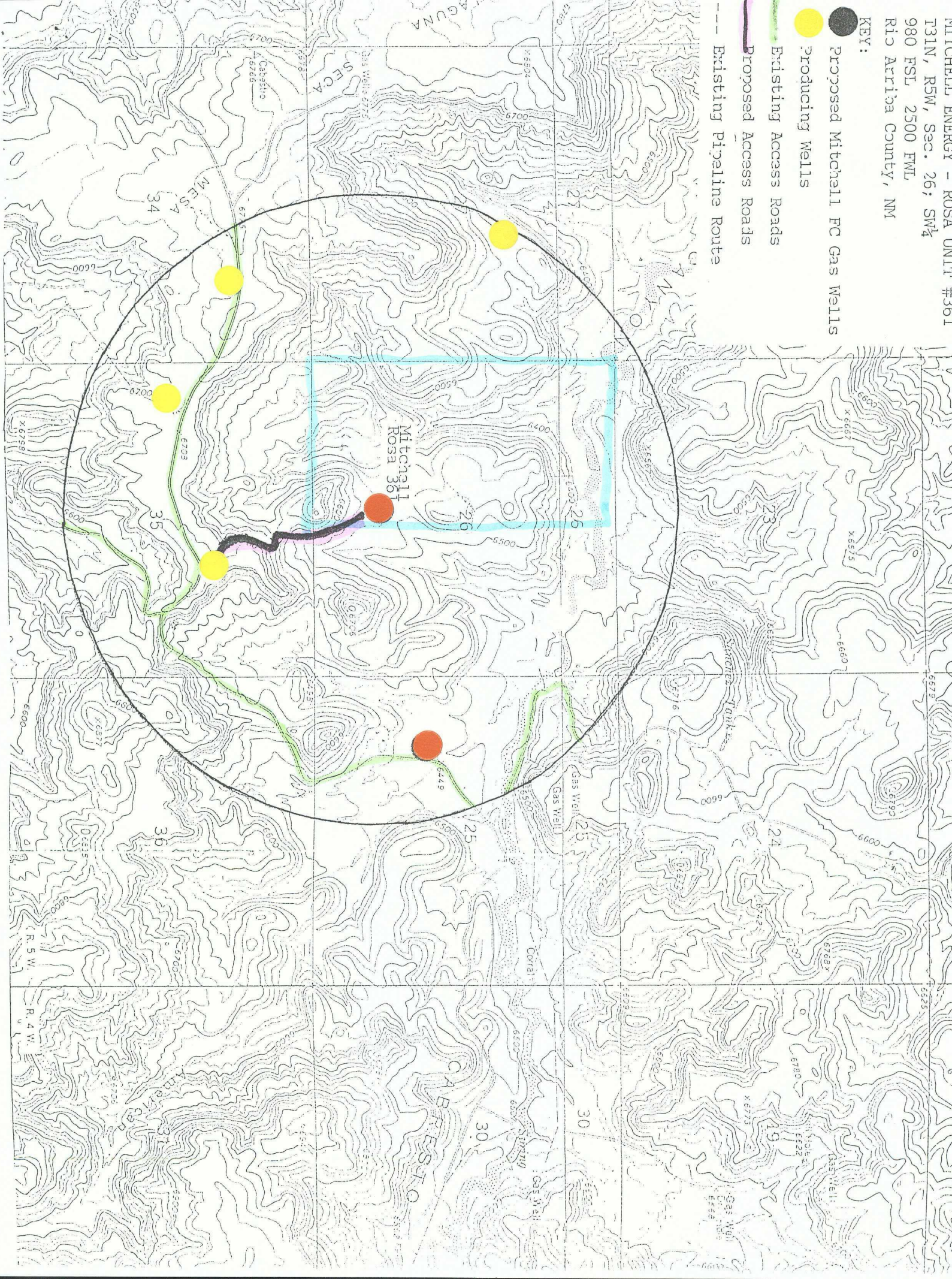


1. Offset Owner - Meridian Oil Gathering, Inc.
Operator of the Rosa Unit

MITCHELL ENERGY - ROSA UNIT #361
T31N, R5W, Sec. 26; SW¼
980 FSL 2500 FWL
Rio Arriba County, NM

KEY:

- Proposed Mitchell FC Gas Wells
- Producing Wells
- Existing Access Roads
- Proposed Access Roads
- Existing Pipeline Route





November 11, 1991

Ernie Busch
State of New Mexico
Oil Conservation Division
1000 Rio Brazos Rd.
Aztec, NM 87410

**RE: Unorthodox Location
Rosa Unit No. 361
Mitchell Energy Corporation**

Dear Mr. Busch:

Enclosed is an application for the above unorthodox location for Mitchell Energy Corporation in the Rosa Unit operated by Meridian Oil Gathering, Inc. This is the final location we will be applying for this year for Mitchell Energy Corporation.

The original application for this location was sent to William LeMay in Santa Fe with a copy also going to Mike Stogner.

We are expecting Offset Operator approval on this location within a week.

Please don't hesitate to call if you have any questions or require further information.

Sincerely,

TRIGON ENGINEERING, INC.



Cristi Cline
Senior Right-of-Way Agent

OIL CONSERVATION DIVISION

HINKLE, COX, EATON, COFFIELD & HENSLEY

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November 18, 1991

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*NOT LICENSED IN NEW MEXICO

Mr. Michael E. Stogner
New Mexico Oil Conservation
Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: Request of Mewbourne Oil Company to Amend Amended
Administrative Order NSL-2736

Dear Mr. Stogner:

Enclosed is my letter to you dated September 30, 1991,
regarding the above matter. Please advise me of the status of
the request, or if there is anything further that Mewbourne can
provide to you on this matter. Thank you.

Very truly yours,

HINKLE, COX, EATON, COFFIELD &
HENSLEY

By: James Bruce

JB:le
Enclosure

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW

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W. E. BONDURANT, JR. (1913-1973)
ROY C. SNODGRASS, JR. (1914-1987)

September 30, 1991

700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510
FAX (505) 623-9332

2800 CLAYDESTA NATIONAL BANK BUILDING
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691
FAX (915) 683-6518

1700 TEAM BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569
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Mr. Michael E. Stogner
New Mexico Oil Conservation Division
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: Request of Mewbourne Oil Company to Amend Amended
Administrative Order NSL-2736

Dear Mr. Stogner:

By Amended Administrative Order NSL-2736, the Division approved an unorthodox gas well location for Mewbourn Oil Company's Fed. "R" Well No. 1, 660' FSL and 1190' FWL of Section 17-17 South-27 East, in Eddy County, to test the undesignated Logan Draw Morrow Gas Pool.

The Morrow was found to be marginally productive from perforations at 8898'-8908' subsurface (producing approximately 200 MCFGPD). Mewbourne then set a retrievable plug and perforated the Atoka formation from 8626'-3638' subsurface, which resulted in an initial productive capacity of 1,110 MCFGPD. A copy of the recompletion report is enclosed. Mewbourne desires to produce from the Atoka formation. Therefore, pursuant to Division rule 104(F)(1), Mewbourne requests that Amended Administrative Order NSL-2736 be amended to permit production from the Atoka formation (the Hart Atoka Gas Pool, formerly the Logan Draw Atoka Gas Pool) at the previously approved Morrow unorthodox location.

For your information, Mewbourne has separately requested approval of downhole commingling of the Morrow and Atoka gas pursuant to Division Rule 303(C) - (G).

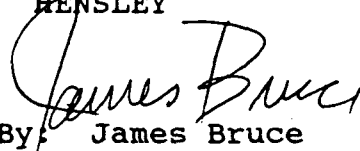
Please call me if you have any questions. Thank you.

DWC-818

Mr. Michael E. Stogner
September 30, 1991
Page 2

Very truly yours,

HINKLE, COX, EATON, COFFIELD &
HENSLEY


By: James Bruce

JB:le
Enclosures

Form 3160-4
(November 1983)
(formerly 9-330)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPL. 'E'

(See other In-
structions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL ☐ GAS ☒ DRY ☐ Other _____		2. NAME OF OPERATOR Mewbourne Oil Company	
3. ADDRESS OF OPERATOR P. O. Box 7698, Tyler, Texas 75703		4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements): At surface 1190' FWL & 660' FSL At top prod. interval reported below At total depth Same	
5. DATE REACHED 3/13/90		6. DATE T.D. REACHED 4/13/90	
7. DATE COMPLETION (Ready to prod.) 6/23/90		8. ELEVATION (OP. HND. BT. OR, ETC.): KB 3383.1', GL 3367.6'	
9. TOTAL DEPTH, MD & TVD 9120'		10. PLUG BACK T.D., MD & TVD 9074'	
11. IF MULTIPLE COMPLET., HOW MANY?		12. INTERVAL DRILLED BY ROTARY TOOLS X CABLE TOOLS	
13. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD): Atoka - 8626-38'		14. WAS DIRECTIONAL SURVEY MADE Yes	
15. TYPE ELECTRIC AND OTHER LOGS RUN SDL - DSN, DLL - MC, MST		16. WAS WELL CURED No	

CASINO RECORD (Report all strings set in well)					
CASINO SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLES SIZE	CEMENTING RECORD	AMOUNT FILLED
13-3/8"	68#	340'	17-1/2"	600 sacks	None
8-5/8"	24#	1825'	11"	1350 sacks	None
4-1/2"	10.5# & 11.6#	9120'	7-7/8"	1900 sacks	None

LINER RECORD				TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT	SIZE	DEPTH SET (MD)	PACKER SET (MD)
				2-3/8"	8505'	8505'

31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
Atoka - 8626-38' (12' x 24 holes)		DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Morrow - 8898-8908' (10' x 31 holes)		8626-38'	Acidized w/1500 gals 7 1/8 Mor-Flo
See Back for Acid and Frac			BC. Foam fraced with 45 tons
			CO2 + 85 bbls gelled 2% KCL wtr
			+ 6300# 20/40 Interprop

33. PRODUCTION							
DATE FIRST PRODUCTION 6/21/90	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) Flowing					WELL STATUS (Producing or shut-in) Shut-in	
DATE OF TEST 6/22/90	HOURS TESTED 24	CHOKED SIZE 12/64"	PROD'N. FOR TEST PERIOD	OIL—BBL. 10	GAS—MCF. 1,110	WATER—BBL. 6	GAS-OIL RATIO 111,000:1
FLOW, TUBING PRESS. 750#	CASINO PRESSURE --	CALCULATED 24-HOUR RATE	OIL—BBL. 10	GAS—MCF. 1,110	WATER—BBL. 6	OIL GRAVITY-API (CORR.) 43°	

34. DISPOSITION OF GAS (Hold, used for fuel, vented, etc.) Vented	35. TEST WITNESSED BY Bill Pierce
--	--------------------------------------

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	37. LIST OF ATTACHMENTS Logs
SIGNER <i>Raymond Thompson</i>	TITLE Engr. Oprns. Secretary
	DATE 7/06/90

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