District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 882
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

RECEIVED
NOV -2006
OCD - ARTESIA

Form C-101
May 27, 2004

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

[1] Operator Name and Address	[2] OGRID Number
Mewbourne Oil Company Po Box 5270 Hobbs, NM 88240	14744
	[3] API Number 30 - 015 - 35503

[3] Property Code	[5] Property Name	[6] Well No.
36128	Springfield 29 State Com	1

[9] Proposed Pool 1	[10] Proposed Pool 2
Millman; Morrow South	

[7] Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	29	19S	28E		1650	S	660	E	Eddy

[No8] Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

[11] Work Type Code	[12] Well Type Code	[13] Cable/Rotary	[14] Lease Type Code	[15] Ground Level Elevation
N	G	R	S	3375'
[16] Multiple	**[17] Proposed Depth**	**[18] Formation**	**[19] Contractor**	**[20] Spud Date**
No	11500'	Morrow	TBA	ASAP

Depth to Groundwater	Distance from nearest fresh water well	Distance from nearest surface water
100' or more = 0 pts	Less than 1000 from all other wtr sources: 0 pts	1000' or more 0 pts

Pit: Liner: Synthetic [X] 12 mils thick Clay ☐ Pit Volume: 24000 bbls Drilling Method: Production

Closed-Loop System ☐ Fresh Water [X] Brine [X] Diesel/Oil-based ☐ Gas/Air ☐

[21] Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
17 ½"	13 ⅜"	48#	~~450'~~ 300'	300	Surface
12 ¼"	9 ⅝"	40#	3100'	1200	Surface
8 ¾"	5 ½"	17#	11500'	1000	500' above Wolfcamp

[22] Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

BOP Program: 13 ⅝" 2k Hydril (see Exhibit #2) from surface casing to intermediate TD. Schaffer LWS or equivalent (Double-Ram Hydraulic) 11" 5000# with Hydril. (See Exhibit #2A) from surface casing to total depth. Rotating head, PVT, flow monitors and mud gas Separator from the Wolfcamp to TD.

Mud Program: 0' to ~~450~~ 300' Fresh Water, spud mud, lime for PH and LCM as needed for seepage.
~~450~~' to 3100' Brine Water and LCM as needed for seepage.
3100' to 10000' Fresh Water, lime for PH and LCM as needed for seepage.
10000' to TD Cut Brine Water. 9.3+ #/g, Caustic for PH, Starch for WL control and LCM as needed for

[23] I hereby certify that the information given above is true and complete to the best of my knowledge and belief. **I further certify that the drilling pit will be constructed according to NMOCD guidelines [X], a general permit ☐, or an (attached) alternative OCD-approved plan ☐.**

Printed name: Kristi Green

Title: Hobbs Production

E-mail Address:

Date: 11/06/06 Phone:

OIL CONSERVATION DIVISION

Approved by:

Title: BRYAN G. ARRANT
DISTRICT II GEOLOGIST

Approval Date: MAR 2 8 2007 Expiration Date: MAR 2 8 2008

Conditions of Approval Attached ☐

Operator TO Set Surface above Salado

DISTRICT I
1625 N. French Dr., Hobbs, NM 88240
DISTRICT II
811 South First, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410
DISTRICT IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102
Revised March 17, 1999
Instruction on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
	81365	Millman Morrow South

Property Code	Property Name	Well Number
	SPRINGFIELD "29" STATE COM.	1

OGRID No.	Operator Name	Elevation
14744	MEWBOURNE OIL COMPANY	3375

Surface Location

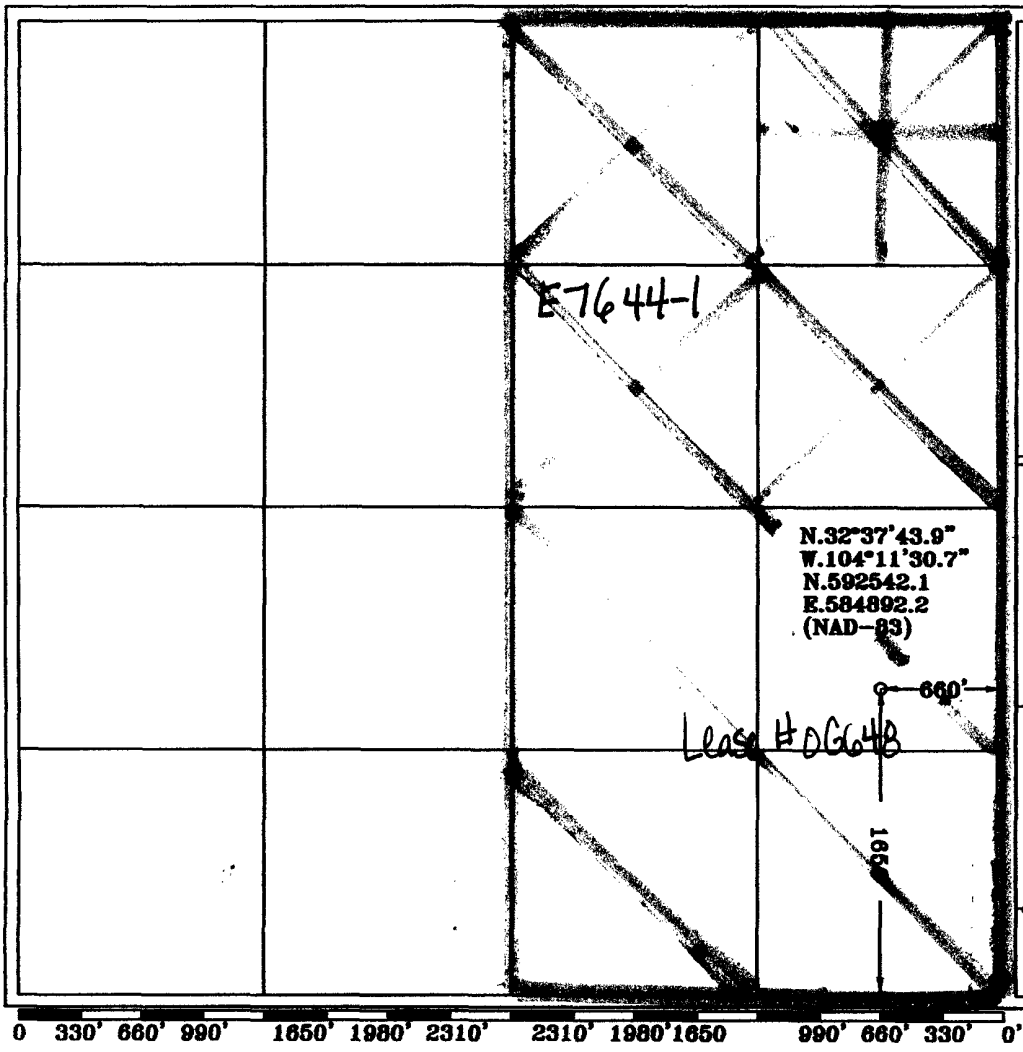
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	29	19S	28E		1650	SOUTH	660	EAST	EDDY

Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
320			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION

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

Kristi Green
Signature

Kristi Green
Printed Name

Hobbs Regulatory
Title

11/06/06
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 supervison, and that the same is true and correct to the best of my belief.

7/20/2006
Date Surveyed

Signature & Seal of Professional Surveyor

HERSCHEL L. JONES
NEW MEXICO
3640
REGISTERED PROFESSIONAL LAND SURVEYOR
SPRINGFIELD GENERAL SURVEYING COMPANY

Certificate No. Herschel Jones RLS 3640

MULTI-POINT SURFACE USE AND OPERATIONS PLAN

MEWBOURNE OIL COMPANY

Springfield 29 State Com #1
1650' FSL & 660' FEL
Section 29-T19S-R28E
Eddy County, New Mexico

This plan is submitted with Form 3160-3, Application for Permit to Drill, Covering the above described well. The purpose of this plan is to describe the location of the proposed well, the proposed construction activities and operations plan, the magnitude of the surface disturbance involved, and the procedures to be followed in restoring the surface so that a complete appraisal can be made of the environmental impact associated with the proposed operations.

1. Existing Roads:

A. Exhibit #3 is a road map showing the location of the proposed well. Exhibit #3 is a topographic map showing the location of the proposed well and access road. Existing roads are highlighted in blue and proposed roads are highlighted in red.

B. Directions to location from Carlsbad: Go north on CR 206. After crossing railroad track go 11.2 miles. Turn right (SE) on existing lease road. Go SE 2 miles. Turn south ½ mile. Turn west 500'. Turn north on new lease road & go 1500' to new location.

2. Proposed Access Road:

A Will need approx 1100' of new road.

B. The access to the location will be limited to 16' in width and will adequately drain runoff and control erosion as presently constructed.

3. Location of Existing and/or Proposed Facilities:

A. There are no production facilities on this lease at the present time.

B. In the event that the well is productive, production facilities will be located on the well pad.

4. Location and Type of Water Supply

The well will be drilled with a combination of fresh water and brine water based mud systems. The water will be obtained from commercial suppliers in the area and/or hauled to the location by transport trucks over existing and proposed roads as indicated in Exhibit #3.

5. Source of Construction Materials

All material required for construction of the drill pad and access roads will be obtained from private, state, or federal pits. The construction contractor will be solely responsible for securing construction materials required for this operation and paying any royalties that may be required on those materials.

6. Methods of Handling Waste Disposal:

A. Drill cuttings not retained for evaluation purposed will be disposed of in the reserve pit.
B. Drilling fluids will be allowed to evaporate in the reserve pit prior to closure.
C. Water produced during operations will be disposed of in the reserve pit.
D. If any liquid hydrocarbons are produced during operations, those liquids will be stored in suitable tanks until sold.
E. Current regulations regarding the proper disposal of human waste will be followed.
F. All trash, junk, and other waste materials will be stored in proper containers to prevent dispersal and will be removed to an appropriate facility within one week of cessation of drilling and completion activities.

7. Ancillary Facilities

There are no ancillary facilities within the immediate vicinity of the proposed well site.

8. Well Site Layout

A A diagram of the drill pad is shown in Exhibit #5. Dimensions of the pad, pits, and location of major rig components are shown.
B. The reserve pit will be lined with a high quality plastic sheeting to prevent migration of fluids.
C. The pad dimension of 400' X 250' has been staked and flagged.

9. Plans for Restoration of Surface

A. Upon cessation of the proposed operations, if the well is abandoned, the location and road will be ripped and re-seeded. The reserve pit area, after allowing to dry will be leveled. The entire location will be restored to the original contour as much as reasonable possible. All trash, garbage, and pit lining will be hauled to appropriate disposal to assure the location is aesthetically pleasing as reasonable possible. All restoration work will be completed within 180 days of cessation of activities.
B. The disturbed area will be restored by re-seeding during the proper growing season.
C. Three sides of the reserve pit will be fenced prior to and during drilling operations. The reserve pit will be fenced on the fourth side after the drilling rig is removed to prevent the endangerment of livestock. The fence will remain in place until the pit area has been leveled and restored.
D. Upon cessation of the proposed operations, if the well is not abandoned, the reserve pit area will be restored as per OCD guidelines. Any additional caliche required for production facilities will be obtained from a source as described in Section 6.
E. Within 90 days of cessation of drilling and completion operations, all equipment not necessary for production operations will be removed. The location will be cleaned of all trash and junk to assure the well site is left as aesthetically pleasing as reasonably possible.

10. Surface Ownership:

The surface is owned by: State of New Mexico

11. Other Information:

A. Topography: Refer to the archaeological report for a detailed description of flora, fauna, soil characteristics, dwellings, and historical or cultural sites.

B. The primary use of the surface at the location is for grazing of livestock.

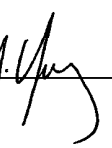
12. Operator's Representative:

A. Through APD approval, drilling, completion and production operations:

N.M. Young, District Manager
Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241
505-393-5905

13. Certification

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by Mewbourne Oil Company, its contractors and subcontractors, in accordance with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Date: 11/06/06 Signature: 

N.M. Young, District Manager
Mewbourne Oil Company
PO Box 5270
Hobbs, NM 88241
(505) 393-5905

Hydrogen Sulfide Drilling Operations Plan

Mewbourne Oil Company
Springfield 29 State Com #1
1650' FSL & 660' FEL
Section 29-T19S-R28E
Eddy County, New Mexico

1. General Requirements

Rule 118 does not apply to this well because MOC has researched this area and no high concentrations of H2S were found. MOC will have on location and working all H2S safety equipment before the Yates formation for purposes of safety and insurance requirements.

2. Hydrogen Sulfide Training

All personnel, whether regularly assigned, contracted, or employed on an unscheduled basis, will have received training from a qualified instructor in the following areas prior to entering the drilling pad area of the well:

1. The hazards and characteristics of hydrogen sulfide gas.
2. The proper use of personal protective equipment and life support systems.
3. The proper use of hydrogen sulfide detectors, alarms, warning systems, briefing areas, evacuation procedures.
4. The proper techniques for first aid and rescue operations.

Additionally, supervisory personnel will be trained in the following areas:

1 The effects of hydrogen sulfide on metal components. If high tensile tubular systems are utilized, supervisory personnel will be trained in their special maintenance requirements.
2 Corrective action and shut in procedures, blowout prevention, and well control procedures while drilling a well.
3 The contents of the Hydrogen Sulfide Drilling Operations Plan.

There will be an initial training session prior to encountering a know hydrogen sulfide source. The initial training session shall include a review of the site specific Hydrogen Sulfide Drilling Operations Plan.

3. Hydrogen Sulfide Safety Equipment and Systems

All hydrogen sulfide safety equipment and systems will be installed, tested, and operational prior to drilling below the intermediate casing.

1. Well Control Equipment
   - A. Flare line with automatic igniter or continuous ignition source.
   - B. Choke manifold with minimum of one adjustable choke.
   - C. Blowout preventers equipped with blind rams and pipe rams to accommodate all pipe sizes with properly sized closing unit
   - D. Auxiliary equipment including rotating head and annular type blowout preventer.

2. Protective Equipment for Essential Personnel
   Thirty minute self contained work unit located at briefing area as indicated on wellsite diagram.

3. Hydrogen Sulfide Protection and Monitoring Equipment
Two portable hydrogen sulfide monitors positioned on location for optimum coverage and detection. The units shall have audible sirens to notify personnel when hydrogen sulfide levels exceed 20 ppm.

4. Visual Warning Systems
A. Wind direction indicators as indicated on the wellsite diagram.
B. Caution signs shall be posted on roads providing access to location. Signs shall be painted a high visibility color with lettering of sufficient size to be readable at reasonable distances from potentially contaminated areas.

4. Mud Program

The mud program has been designed to minimize the amount of hydrogen sulfide entrained in the mud system. Proper mud weight, safe drilling practices, and the use of hydrogen sulfide scavengers will minimize hazards while drilling the well.

5. Metallurgy

All tubular systems, wellheads, blowout preventers, drilling spools, kill lines, choke manifolds, and valves shall be suitable for service in a hydrogen sulfide environment when chemically treated.

6. Communications

State & County Officials phone numbers are posted on rig floor and supervisors trailer. Communications in company vehicles and toolpushers are either two way radios or cellular phones.

7. Well Testing

Drill stem testing is not an anticipated requirement for evaluation of this well. A drill stem test is required, it will be conducted with a minimum number of personnel in the immediate vicinity. The test will be conducted during daylight hours only.

Notes Regarding Blowout Preventer

Mewbourne Oil Company

Springfield 29 State Com #1
1650' FSL & 660' FEL
Section 29-T19S-R28E
Eddy County, New Mexico

1. Drilling nipple (bell nipple) to be constructed so that it can be removed without the use of a welder through the opening of the rotary table, with minimum internal diameter equal to blowout preventer bore.

2. Blowout preventer and all fittings must be in good condition with a minimum 5000 psi working pressure.

3. Safety valve must be available on the rig floor at all times with proper connections to install in the drill string. Valve must be full bore with minimum 5000 psi working pressure.

4. Equipment through which bit must pass shall be at least as large as internal diameter of the casing.

5. A kelly cock shall be installed on the kelly at all times.

6. Blowout preventer closing equipment to include and accumulator of at least 40 gallon capacity, two independent sources of pressure on closing unit, and meet all other API specifications.

Mewbourne Oil Company
BOP Scematic for
12 ¼" Hole

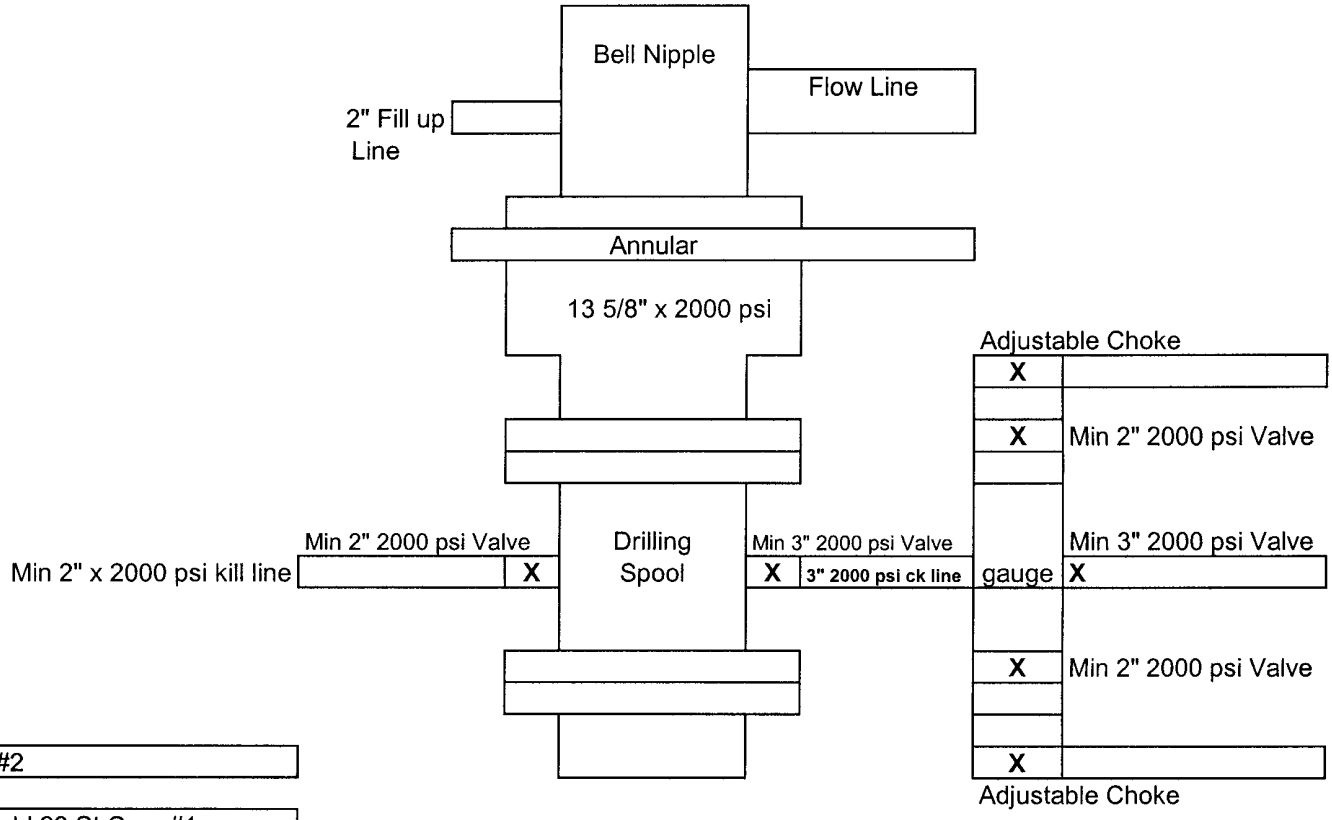


Exhibit #2

Springfield 29 St Com #1
1650' FSL & 660' FEL
Sec 29-T19S-R28E
Eddy, County
New Mexico

Mewbourne Oil Company
BOP Scematic for
8 3/4" or 7 7/8" Hole

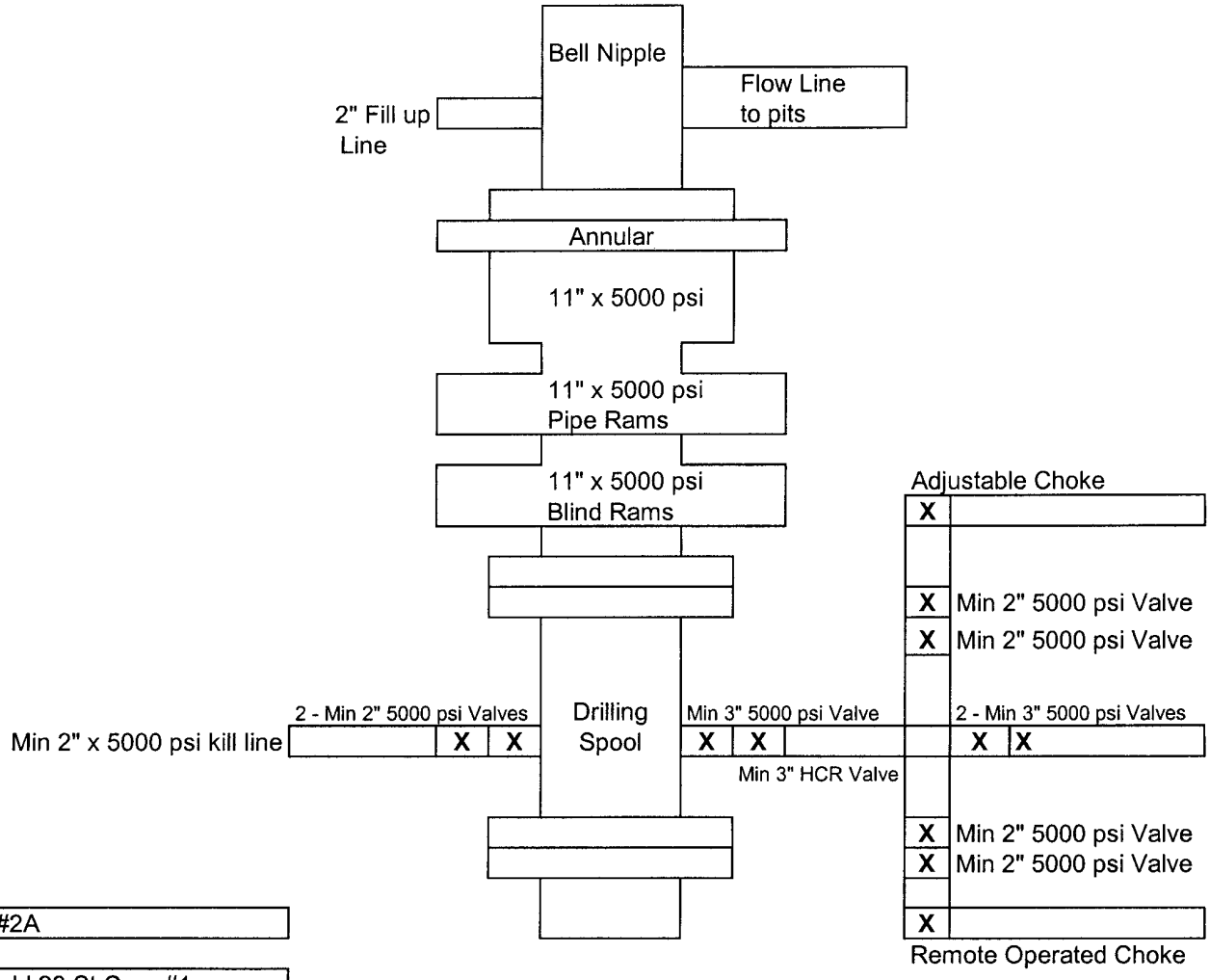


Exhibit #2A

Springfield 29 St Com #1
1650' FSL & 660' FEL
Sec 29-T19S-R28E
Eddy, County
New Mexico

SECTION 29, TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO.

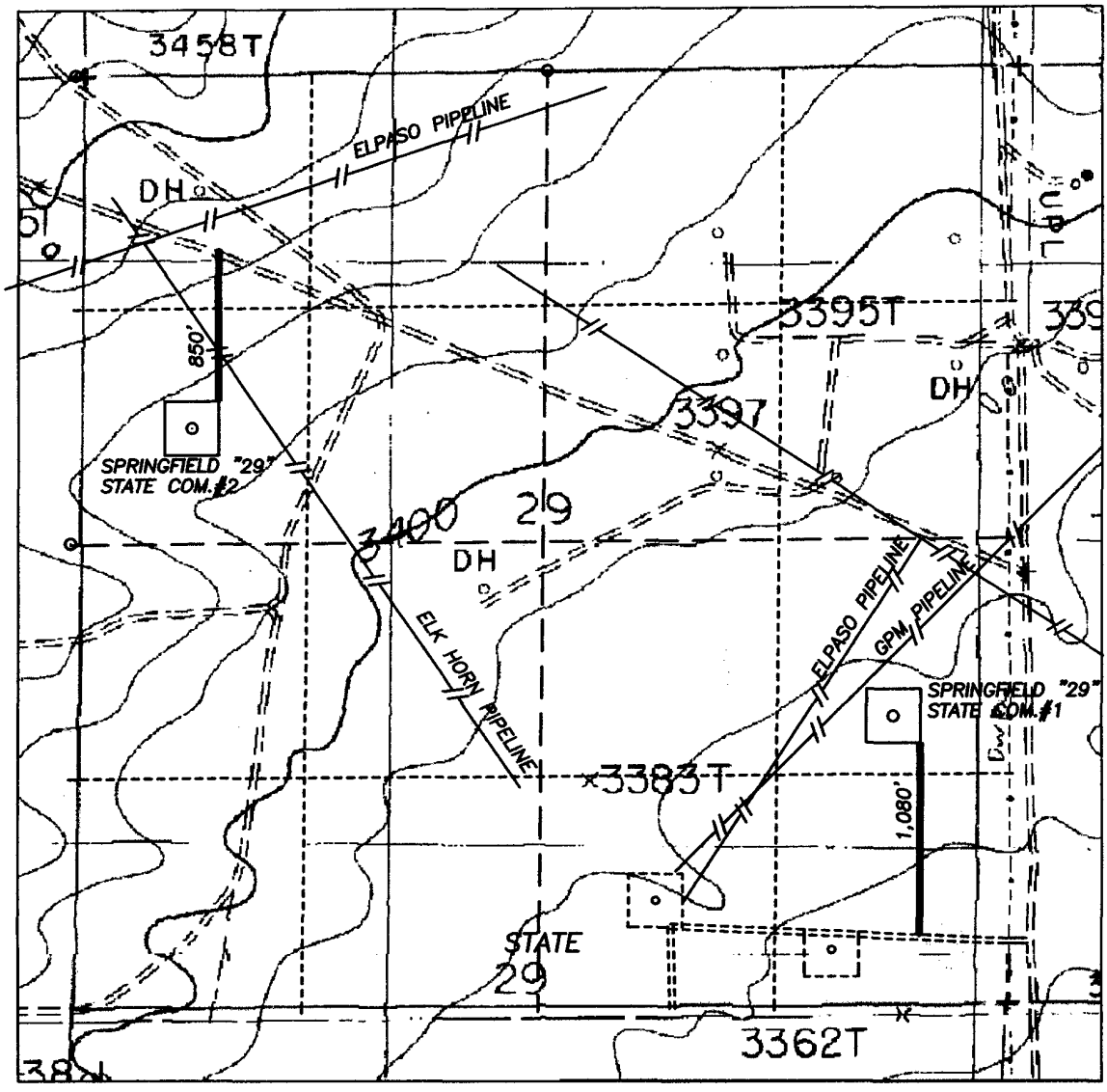


Exhibit 3

1000' 0 1000' 2000'

Scale 1" = 1000'

THE PREPARATION OF THIS PLAT AND THE PERFORMANCE OF THE SURVEY UPON WHICH IT IS BASED WERE DONE UNDER MY DIRECTION AND THE PLAT ACCURATELY DEPICTS THE RESULTS OF SAID SURVEY AND MEET THE REQUIREMENTS OF THE STANDARDS FOR LAND SURVEYS IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STATE BOARD OF REGISTRATION FOR PROFESSIONAL ENGINEERS AND LAND SURVEYORS.

HERSCHEL L. JONES, R.L.S. No.3640

GENERAL SURVEYING COMPANY, P.O. BOX 1928
LOVINGTON, NEW MEXICO 88260

MEWBOURNE OIL COMPANY

LEASE ROAD TO ACCESS THE MEWBOURNE SPRINGFIELD "29" STATE COM. #1 AND #2 WELLS, LOCATED IN SECTION 29, TOWNSHIP 19 SOUTH, RANGE 28 EAST, NMPM, EDDY COUNTY, NEW MEXICO.

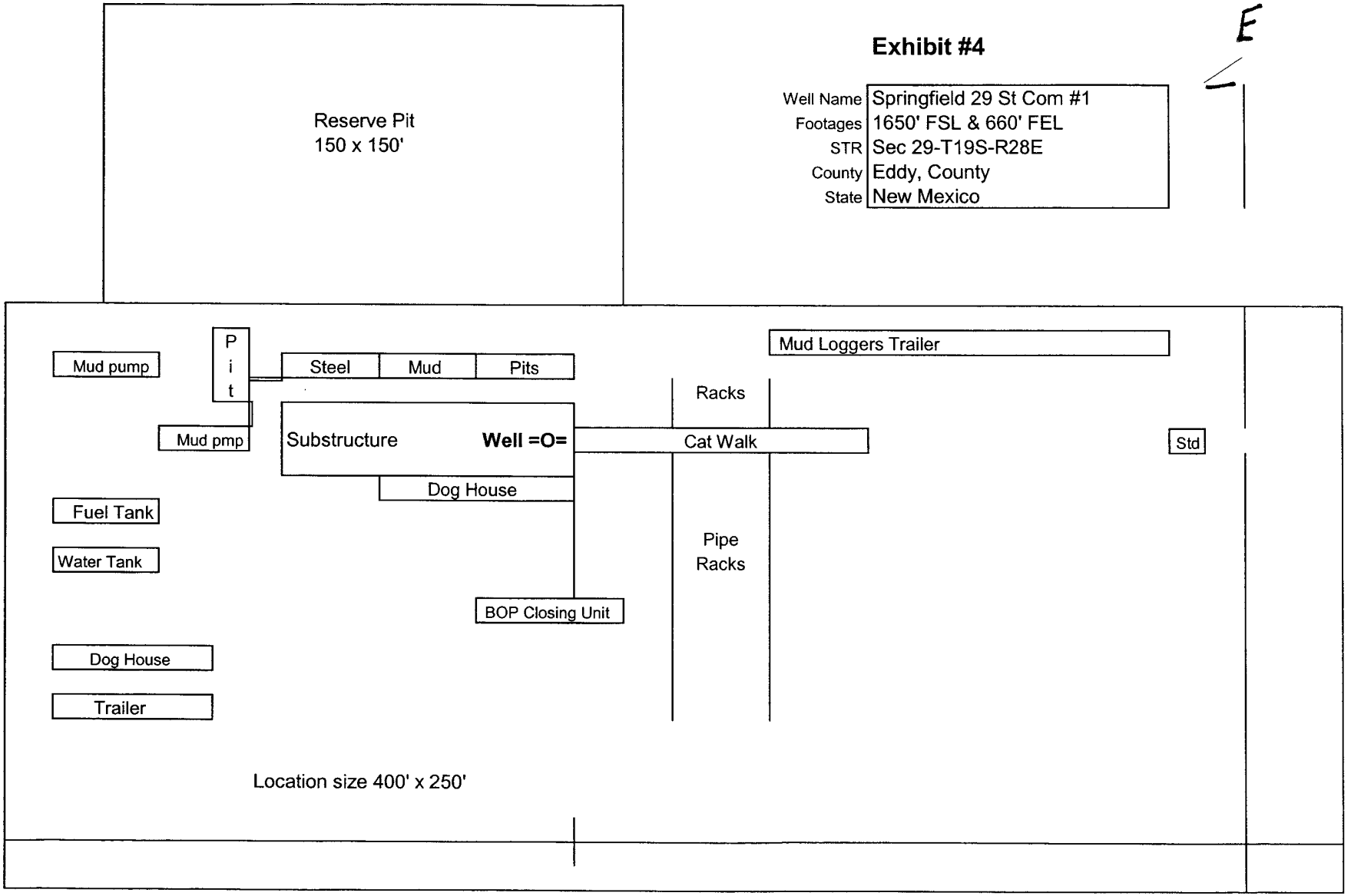
Survey Date: 7/20/2006	Sheet 1 of 1	SHEET
Drawn By: Ed Blevins	W.O. Number	
Date: 7/20/06	Scale 1" = 1000'	SPRINGFIELD

Mewbourne Oil Company

Exhibit #4

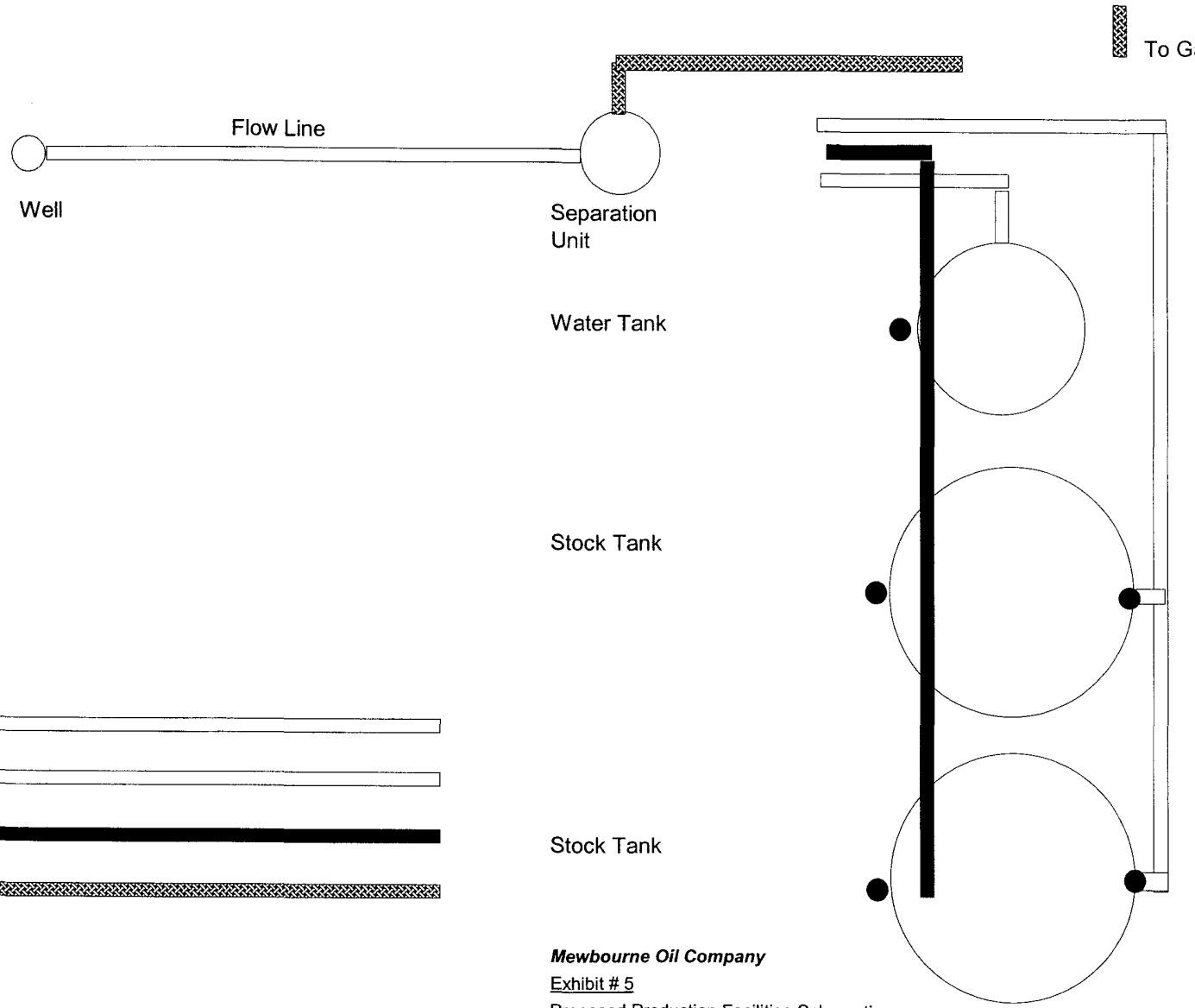
E

Well Name	Springfield 29 St Com #1
Footages	1650' FSL & 660' FEL
STR	Sec 29-T19S-R28E
County	Eddy, County
State	New Mexico



Rig Location Schematic

Proposed Production Facilities Schematic



Flow Line

Water Line

Oil Dump Line

Gas Sales Line

Sealing Valve

Non Sealing Valve

Mewbourne Oil Company

Exhibit # 5

Proposed Production Facilities Schematic

Springfield 29 St Com #1
1650' FSL & 660' FEL
Sec 29-T19S-R28E
Eddy, County
New Mexico

MEWBOURNE OIL COMPANY

500 W. TEXAS, SUITE 1020
MIDLAND, TEXAS 79701

(432) 682-3715
FAX (432) 685-4170

November 15, 2006

Via Fax (505) 748-9720 and First Class Mail

State of New Mexico
Oil Conservation Division
P.O. Drawer DD
Artesia, NM 88211-0719
Attn: Mr. Tim Gumm

Re: MOC's Springfield "29" State Com #1 Well
E/2 of Section 29, T19S, R28E
Eddy County, New Mexico

Gentlemen:

As you are aware, Mewbourne Oil Company (Mewbourne) proposes to dedicate the referenced well to the E/2 of the captioned Section 29. Mewbourne proposes to drill the well at a location 1650' FSL & 660' FEL of the captioned Section 29 to a depth sufficient to adequately evaluate the Morrow formation, estimated total depth being 11,300' beneath the surface.

In reference to the above, it is our understanding that the NMOCD declines to approve our Application For Permit to Drill (APD) for our proposed spacing unit as the New Mexico Oil Conservation Division (NMOCD)'s records reflect that there is an existing dedicated proration unit covering the N/2 of the captioned Section 29 which unit is apparently dedicated to SDX's Exxon B State Com #1 Well located in Unit G. This well is not producing, has not produced for years and is currently in unapproved TA status.

Regarding the above, please be advised that the N/2 of the captioned Section 29 is not currently a consolidated gas unit for the production of gas. The Communitization Agreement which formerly effected the N/2 of the captioned Section 29 which communitized the leases for the N/2 for gas production from the Pennsylvanian formation terminated effective 10/12/04 pursuant to NMOCD's letter dated 3/8/06 which I've enclosed a copy for your reference. According to public records, the last production from the wellbore of the above referenced well was from the Morrow formation which production ceased prior to 1993 (see copy of production graph enclosed). Furthermore, State Oil and Gas Lease Serial No. K-1429 which covered the NE/4 NE/4, W/2 NW/4 and N/2 SW/4 of the captioned Section 29 expired effective 8/31/05 (see copy of letter dated 3/9/06 from the NMOCD in Santa Fe). The lease covering the SE/4 NW/4 of the captioned Section 29 also expired due to no production occurring from said land or from lands validly pooled therewith. Accordingly a Lease Sale occurred July 18, 2006 wherein State Lease No. VB0978-0000 was issued to Cimarex Energy Co. which lease covered the NE/4 NE/4, W/2

NW/4, SE/4 NW/4 and N/2 SW/4 of the captioned Section 29 with such lease being effective August 1, 2006 (see copy enclosed).

In reference to the above, there currently is no Communitization Agreement currently in effect which would consolidate the leases covering the N/2 of the captioned Section 29 for gas production pursuant to the regulations prescribed by the NMOCD. Accordingly, no gas can be produced from a well dedicated to the N/2 of the captioned Section 29 pursuant to the regulations prescribed by the NMOCD. As such is the case, there is no active gas proration unit for the N/2 of the captioned Section 29 which is the reason for Mewbourne to dedicate its well to the E/2 and is also the reason why Cimarex Energy Co. has received its approved APD for its proposed Fadeaway Ridge State "29" #1 Well to be drilled at a location 1650' FSL & 1980' FWL of the captioned Section 29 with the well being dedicated to the W/2 of the captioned Section 29.

Regarding the above, Mewbourne respectfully requests that the NMOCD approve its APD for the captioned well at the earliest possible date. Should you have any further questions or concerns regarding our APD, please let me know.

Sincerely yours,

MEWBOURNE OIL COMPANY

D. Paul Haden
Senior Landman

DPH/rn

xc: N. M. Young - MOC's Hobbs office