State of New Mexico Energy Minerals and Natural Resources

Form C-101 May 27, 2004

1625 N. French Dr., Hobbs, NM 88240

<u>District II</u>
1301 W. Grand Avenue, Artesia, NM 88210

<u>District III</u>
1000 Rio Brazos Road, Aztec, NM 87410

<u>District IV</u>
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 RECEIVENTY o appropriate District Office

OOD: NATESIA

APPL	ICATI	UN FC	Operator Name			LIVIER	, DE	LPLN	, PLUGBA	OGRID		ALUNE
		Mewbourne Oi					14744 3 API Number					
		Po Box : Hobbs, NM		30- O15- 34439								
³ Prope			³ Property	Name					^o Well	No.		
35 255 Pavo 11 St									10.75	15.10	1	
Undes.	d To	Proposed Pool 1	848'	72 Proposed Pool 2								
			· •		⁷ Surface	Location	<u>1</u>					
UL or lot no. Section Township Range I 11 18S 29E		Lot Idn F		om the N			Feet from the 660	East/Wes	ast/West line Coun E Edd			
No8 Proposed Bottom Hole Location If Different From Surface												
UL or lot no.	Section	Township	p Range	Lot	ldn Feet fin	om the N	lorth/So	uth line	Feet from the East/We		line	County
	L			Ad	lditional We	ell Inforn	natio	n				
	Type Code N		12 Well Type Co	de	l .	e/Rotary R				15 Ground Level Elevation 3515'		
1	Iultiple No		¹⁷ Proposed Dep 11500'	pth 18 Formation Morrow				¹⁹ Contractor TBA			²⁰ Spud Date ASAP	
Depth to Grou		······ •		Distance from nearest fresh water well Less than 1000 from all other wtr sources: 0 pts)t	Distance from nearest surface water			ter
Less that 50 = Pit: Liner	: Synthetic	N	mils thick Clay		in 1000 from all o	other wtr sources: 0 pts 1000' or more 0 pts bbls Drilling Method: Production						
	ed-Loop Sys				······································		Fre		X Brine X Dies		ıПG	as/Air 🗍
Ciosc	<u> </u>	icin	21	Propos	sed Casing a	ınd Cem				CI/ OII-busce		
Hole S	ize	C	Casing Size	Casing	Setti	Setting Depth		Sacks of Cement		Estimated TOC		
17 ½	17 ½" 13 %"					450'	50' 500		·····	Surface		
12 ½	12 ¼" 9 5%"		40#			4100'		1200		Surface		
8 3/4" 5 1/2"		5 ½"	17#		1	11500'		1000		500' above Wolfcamp		
Describe the BOP Program	blowout products: 13 %" 21 Exhibit #2A 1: 0' to 450' 450' to 4	evention p c Hydril (s x) from su Fr 100' Bi 0200' Fr	If this application program, if any. Use see Exhibit #2) from the area of the	e additionant surface control depth. Road, lime for as needed PH and L	al sheets if necess asing to intermed to tating head, PV r PH and LCM as d for seepage. CM as needed for	ary. liate TD. Sc Γ, flow moni needed for a	haffer tors ar seepag	LWS or e	quivalent (Double s Separator from t	-Ram Hydr	aulic) 11	
best of my kn	owledge an	d belief. I o NMOC	tion given above is to further certify the CD guidelines X, a roved plan	at the drill	ling pit will be	Approved		OIL CO	ONSERVAT	7		ON .
Printed name	: Kristi Gre	en d	grusti g	Men		Title:	000	NA	dut-	11 0		revisor
Title: Hobbs	Production		<i>y</i>			Approval	MO!	28	2005 E	xpiration D	a OV	2 8 2006
E-mail Addre	ss:			· · ·								
Date: 11/14/05 Phone:						CEMENT TO COVER ALL OIL,						
		2) e.5						MENTIO (,

ZONES

DISTRICT I
1825 N. French Dr., Hobbe, 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						
			848	72	Unda	, Saild Taul	Morrow					
Property Code			Well Number									
PAVO "11" STATE COM.								1				
OGRID No			Elevation									
147	44		3515									
Surface Location												
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County			
ı	11	185	29E		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	B Joint o	r infili Co	nsolidation (Code Or	der 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

ON I NOW CIRILDING COM INC. SHAN AT INCIDENT								
				OPERATOR CERTIFICATION I hereby certify the the information contained herein is true and complete to the best of my knowledge and belief. Signature				
				Kristi Green Printed Name Hobbs Regulatory Title				
			N.32°45'33.5" W.104°02'20.4" N.640025.7 E.590640.8	11/14/05 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				
		De .	(NAD-27) 9-660'-	supervison, and that the same is true and correct to the best of my belief. 10/14/2005 Date Surveyed Signature Specifical Professional Surveyor.				
			1650,	Signature Sourceyor. Professional Surveyor. (Certificate to Herschel L Joseph RLS 3640) STATE SOU. 1 GENERAL SORVEMAN COMPANY				
0 330' 660' 990'	1650' 1980' 2310'	2310' 1980'1650	990' 660' 330'	GENERAL SURVEHIAS COMPANY				

MULTI-POINT SURFACE USE AND OPERATIONS PLAN MEWBOURNE OIL COMPANY

Pavo 11 State Com #1 1650' FSL & 660' FEL Section 11-T18S-R29E 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 #3A is a topographic map showing the location of the proposed well and access road. Existing roads are highlighted in red and proposed roads are highlighted in yellow.
- B. Directions to location from Loco Hills, NM: South then SE on CR217 (Hagerman cut-off) 3 miles. Turn south on CR216 (General American Rd) & continue south 2.3 miles. Turn west & continue west 1.3 miles to old location on right. Turn north 0.2 miles to new location.

2. Proposed Access Road:

- A Will need approx 900' of new road & improve ½ mile of existing 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.

Pavo 11 State Com #1 Page 2

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 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.

MULTI-POINT SURFACE USE AND OPERATIONS PLAN MEWBOURNE OIL COMPANY

Pavo 11 State Com #1 Page 3

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: 11/14/05 Signature: thut Green for NM hang

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 Pavo 11 State Com #1 1650' FSL & 660' FEL Section 11-T18S-R29E 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 @ 1265' 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:

- 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.
- 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. <u>Protective Equipment for Essential Personnel</u>

Thirty minute self contained work unit located at briefing area as indicated on wellsite diagram.

Hydrogen Sulfide Drilling Operations Plan Mewbourne Oil Company Pavo 11 State Com #1 Page 2

3. <u>Hydrogen Sulfide Protection and Monitoring Equipment</u>

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

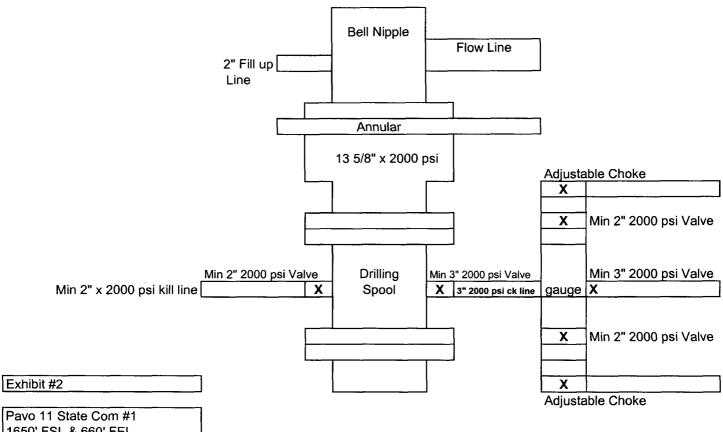
Drill stem testing is not an anticipated requirement for evaluation of this well. A drill stem test is required, it will be conducted with a minimum number of personnel in the immediate vicinity. The test will be conducted during daylight hours only.

Notes Regarding Blowout Preventer

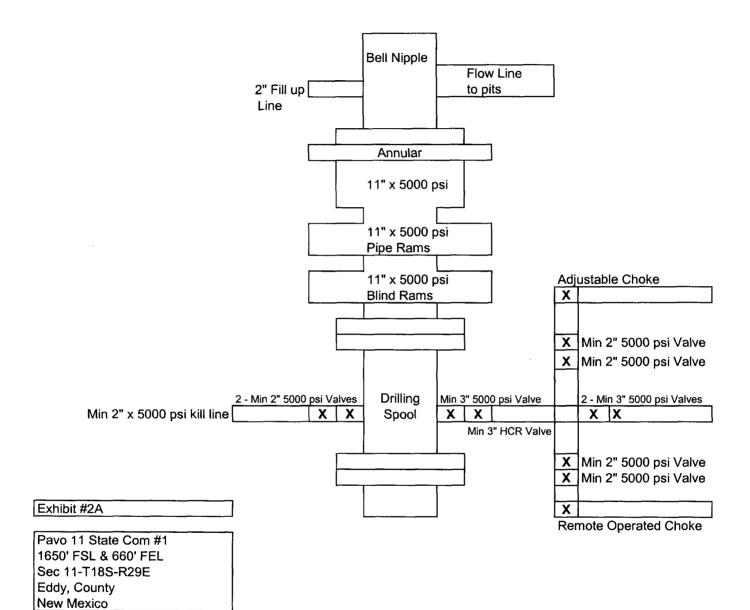
Mewbourne Oil Company

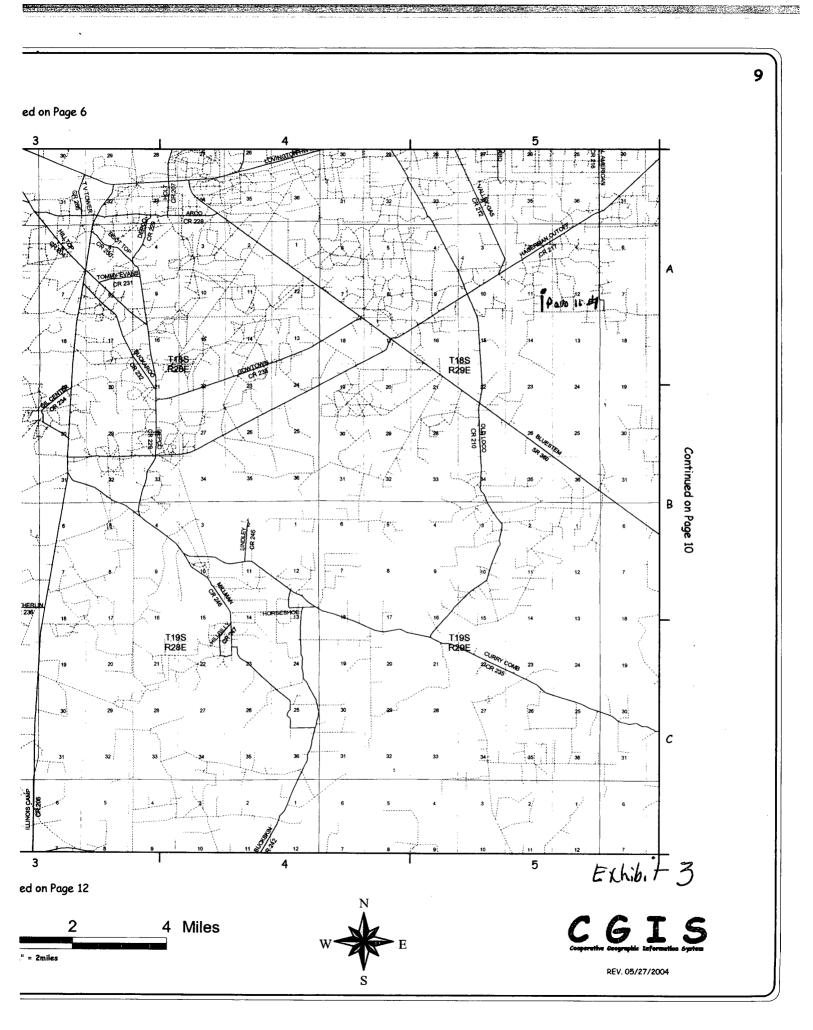
Pavo 11 State Com #1 1650' FSL & 660' FEL Section 11-T18S-R29E Eddy County, New Mexico

- 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.



Pavo 11 State Com #1 1650' FSL & 660' FEL Sec 11-T18S-R29E Eddy, County New Mexico





SECTION 11, TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM, EDDY COUNTY, NEW MEXICO. 3519 *3507* 34.93 nablity) °03577 3**5**07 8508 Oil Tanks ⋍⋍*⋴⋬5≀7* 3503 3503 Dil Well [nactive) Tanks PAVO STATE 1650/S & 660/E EXISTING 1310/S & 660/E 990/S & 660/E #== U.S.A. EXISTING LEASE TRAIL ROAL STATE 3509 PIPELINE Oil Tank *3,508* (Practive) ii ELL.b. + 3A 1000 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 LEDGE SURVEYS IN NEW MEXICO AS ADOPTED BY THE NEW MEXICO STARTE BOOKERS STARTE BOOKERS OF REGISTRATION FOR DEPOSESSIONAL EMOLITED AND LEDGE STARTE BOOKERS. MEWBOURNE COMPANY ADOPTED BY THE NEW PROFESSIONAL ENGINEER LEASE ROAD TO ACCESS THE MEWBOURNE PAVO "11" STATE COM. #1 WELL, LOCATED IN SECTION 11, TOWNSHIP 18 SOUTH, RANGE 29 EAST, NMPM, EDDY COUNTY, NEW MEXICO.

Survey Date: 10/14/2005

Drawn By: Ed Blevins
Date: 10/14/05

Sheet 1

W.O. Number

Scale 1" = 1000' PAVO 1

Sheets

No.3640

P.O. BOX 1928

MEW MEXICO 88260

GENERAL SUI

LOVINGTON,

Rig Location Schematic

