District I 1625 N. French Dr., Hobbs, NM 88240 District II 1301 W. Grand Avenue, Artesia, NM 88210 District III

E-mail Address: pmci@acs-online.net

Phone: 505.632.3869

Date: November 7, 2005

State of New Mexico **Energy Minerals and Natural Resources**

May 27, 2004 Submit to appropriate District Office

Oil Conservation Division

Form C-101

District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505					220 South St. Francis Dr. Santa Fe, NM 87505				☐ AMENDED REPORT		
APPL	ICATI		Operator Namo IcElvain Oil & Ga 1050 17th Stree	and Address	```	ENTER,	DEEPE	N, PLUGBA0	OGRID Number	DD A ZONE	
			Denver, CO 8	30265-1801				30-045			
Prope 35	rty Code 21 <i>o</i> C	7			Property Wildwo	Property Name Wildwood			^o Well No. 3		
			Proposed Pool 1					¹⁰ Propo	osed Pool 2		
L		Pulch	er Kutz Pictured (IIIIS	7 Surface	Location					
UL or lot no.	Lor lot no. Section Township		Range	Range Lot Idn Feet from			th/South line	Feet from the	East/West line	County	
E E	5	29N	13W	20,12	1650		North	1075	West	San Juan	
			8 Propo	sed Bottor	n Hole Loca	tion If Diffe	rent From	Surface			
UL or lot no.	Section	Township	Range	Lot Idr				Feet from the	East/West line	County	
				Add	litional We	ll Inform					
	Type Code N		¹² Well Type Co G		¹³ Cable/Rotary R			Lease Type Code P	¹⁵ Gro	15 Ground Level Elevation 5297	
	ultiple N		17 Proposed Dep 1374'	oth	18 Formation Lewis			19 Contractor D&D Service	J:	²⁰ Spud Date January 10, 2006	
Depth to Grou	indwater			1	from nearest free				om nearest surface water		
Pit: Liner	Synthetic	X <u>12</u> r	mils thick Clay	≥1000 fee	ume: <u>1700</u> b	obis	Drilling	>1000 feet Method: Mud			
Close	d-Loop Sys	stem 🔲					Fresh Wate	er X Brine Dies	el/Oil-based	Gas/Air 🔲	
			21	Propose	d Casing a	nd Ceme	ıt Progra	am	· · · · · · · · · · · · · · · · · · ·		
Hole S	ize	Cas	sing Size	Casing v	weight/foot	Settin	Depth	Sacks of Ce	ment	Estimated TOC	
12.25	i0"	8.625"		24		20	0'	140		Surface	
7.87	5"	5.500"		15.5		13	74'	190		Surface	
						<u> </u>					
<u> </u>		<u> </u>				<u>. </u>					
Describe the Drill a 12½" I BOPE. Pressucement produ Pressure test of equipment and 23 I hereby cerbest of my knoconstructed a (attached) als	blowout principle to 200 are test surfiction casing to 35 d put on lire tify that the owledge an according to the ternative Communicative Comm	evention provided in a single formation of the control of the cont	ngram, if any. Us water mud. Run and BOPE to a mile stage with ceme 30 minutes. Perfethed drilling program in given above is arther certify the guidelines X, a	e additional s and cement s nimum of 60 nt returns to orate select Pi am and BOP	sheets if necess; surface casing i to psig for 15 m surface. Move cictured Cliffs in E schematic for the schematic for the plete to the ig pit will be	ary. n a single stag inutes. Drill 7 out drilling rig itervals and st r specific deta	e with ceme %" hole to 1 . Move in comulate usin ls.	ent returns to surface. TD using fresh water completion equipment g a 2% KCl based sy	WOC 12 hours. base mud system. Run cased hole stem. Clean up w		
Printed name:	Kobert E.	rielaer	KWL	u C. 1.	ww	Title:	MONT			OUT P 2000	
Title: Agent						Approval Da	metti IV/I	5 2005 E	coiration Date:	NV 1 5 2006	

Conditions of Approval Attached

District I PO Box 1980, Hobbs, NM 88241-1980

District II PO Drawer DD, Artesia, NM 88211-07**1**9

District III 1000 Rio Brazos Ad., Aztec, NM 87410

District IV

State of New Mexico Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION · PO Box 2088 Santa Fe, NM 87504-2088

· Form C-102 Revised February 21, 1994 Instructions on back

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

SOFESSIONAL SOFESSIONAL

15269

Certificate Number

AMENDED	REPORT

					ION AND A	CREAGE DEDI			AT		
14PI Number 30-045-33428			*Poo1 77	Code 200		FULCHER H		Name PICTUR	ED CL	IFFS	
Property	Code				Property WILDW					Well Number 3	
0GRID N 2204	ю.			McELVA	*Operator	Name GAS PROPERT	IES			-	levation 5297
		1				Location					
Loriotro.	Section 5	Township 29N	Range 13W	Let Idn	Feet from the 1650	North/South line NORTH		from the .075	East/Wes		RIO ARRIBA
			ottom	Hole L	ocation I			m Surf			
JL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	reet	from the	East/Wes	st line	County
Dedicated Acres	159).82 Acr	es – N	N/4	¹⁹ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order	No.	·		!
NO ALLOW	IABLE V	VILL BE OR A	ASSIGNE NON-SI	D TO TH	IS COMPLETI UNIT HAS BE	ON UNTIL ALL	INTE BY T	RESTS H	AVE BE	EN CON	SOLIDATE
1315.04	4 059	FEE			260 LOT 2	1.06 LOT 1	1320.00	I hereby containe to the	certify to derein in the set of my lest of m	that the strue are knowledge	FICATIO
1320.00		ONG: 108 1 IDATUM: N	14.0177 W NAD27	-5			1320.00	Novem Date 18 SURV I hereby shown on notes of my superv and corre	certify the this plat actual sur- ision, and ct to the f Surve	CERTI at the we was plott veys made that the best of m y: JUL`	FICATIO 11 location ed from field by me or und same is true by belief. 7 22, 2005

5280.00

McElvain Oil & Gas Properties, Inc. Wildwood No. 3 1650' FNL & 1075' FWL Section 5, T29N, R13W, NMPM San Juan County, New Mexico

TEN POINT DRILLING PROGRAM

- 1. Surface Formation: Ojo Alamo
- 2. Surface Elevation: 5297'GL.

3. Estimated Formation Tops:

Formation	Top - feet	Expected Production
Ojo Alamo	surface	
Kirtland	773	
Fruitland	964	
Pictured Cliffs	1064	GAS
Lewis	1224	
TOTAL DEPTH	1374	

4. Surface Hole Program:

Bit: Drill an 12½" hole to 200' using a retip mill tooth, IADC Class 115 or 116, bit. WOB: all. RPM: 70 - 100.

Mud: Use a fresh water base spud mud with the following properties:

Interval (ft)	Weight (ppg)	<u>Ph</u>	Vis(sec/qt)	Water Loss
0 - 200	8.6 or less	9.0-9.	5 40 - 50	No Control

Casing and Cementing: A string of 8%" 24 ppf J-55 or K-55 ST&C casing will be set and cemented to the surface in a single stage with 140 sacks (165.2 cf) of Class "B" cement (yield = 1.18 cf/sk) containing 3% CaCl₂ and 1/4 lb/sack celloflake. Slurry volume assumes 100% excess over calculated hole volume. If cement does not circulate to surface, cement will be topped off using 1" pipe down the 12%" by 8%" annulus. Minimum clearance between couplings and hole is 1.3125". Prior to drilling out the shoe, casing and BOPE will be tested to a minimum of 600 psig. Safety factors utilized in the design of this casing string were: burst = 1.1; collapse = 1.125; and tension = 1.8.

WOC 12 HOURS. Nipple up 11" 2000# BOPE. Pressure test surface casing and BOPE to 600 psi for 15 minutes.

Centralizers: Run two (2) $8\frac{1}{2}$ X $12\frac{1}{2}$ regular bowspring centralizers. Install first one on stop ring in middle of shoe joint.

Float Equipment: Cement nose guide shoe thread locked. Also thread lock connection between first and second joint run.

Drilling Program
McElvain Oil & Gas Properties, Inc.
Wildwood No. 3
Page Two

5. Production Hole Program:

Bit: Drill a 7% hole to 1374' using a TCI, IADC Class 447 bit. WOB: 30-35K. RPM: 60-75. Hold RPM to 55-65 through Ojo Alamo.

Mud: Use a fresh water base polymer and water system to drill this section. If hole conditions dictate, mud up with a fresh water base LSND mud with the following properties:

<pre>Interval (ft)</pre>	Weight (ppg)	<u>Ph</u>	Vis(sec/qt)	Water Loss
200 - 1374	8.6 - 8.8	9.0-9.5	28 - 35	10 - 12

Fresh water will be used for dilution and building volume. Sufficient materials will be on location at all times to maintain mud properties and to control any lost circulation problem or unforeseen abnormal pressures. The mud volume in the surface pit will be visually monitored and recorded on a routine basis.

Note: If mud up is required, raise **viscosity** to 55 - 60 for logging. Thin to 40 - 45 viscosity to run casing.

pH is to be maintained with lime or caustic soda at the recommended levels to assure drill pipe corrosion protection.

Drispac will be used for control of fluid loss.

<u>Lost Circulation</u> can occur in the Fruitland Coal and Pictured Cliffs formation. Mud weights should be controlled as low as possible with solids control equipment then as low as practical with water dilution.

Pressure Control: A 2M psi BOP well control system will be utilized. BOP's and choke manifold will be installed and pressure tested to a minimum of 600 psig before drilling out from under surface casing. Mechanical operation of pipe rams will be checked daily and blind rams will be checked on each trip out of hole. 5%" rams will be installed before running production casing. A full opening internal blowout preventor or drill pipe safety valve will be on the drill floor at all times and will be capable of fitting all connections.

Logging Program: Dual Induction and Compensated Neutron/Formation Density logs will be run from TD to the surface casing shoe.

Casing and Cementing Program: Run 5%" 15.5 ppf J-55 production casing from surface to TD and cement in a single stage with 100 sacks (255.0 cf) of Class B containing 3% sodium metasilicate extender, 5 pps Gilsonite and 1/4 pps celloflake. Lead slurry mixed at 11.8 PPG to yield 2.55 cf/sk. Tail in with 90 sacks (107.10 cf) of Class B with 0.25 pps celloflake, 0.3% FLA and 5 pps gilsonite mixed at 15.6 PPG to yield 1.19 cf/sk.

Drilling Program
McElvain Oil & Gas Properties, Inc.
Wildwood No. 3
Page Three

5. Production Hole Program: -continued

Slurry volumes assume a 50% excess over gauge hole volume to circulate to surface. Minimum clearance between couplings and hole is 0.9125". Safety factors utilized in the design of this casing string were: burst = 1.1; collapse = 1.125; and tension = 1.8.

Centralizers: 5 - 5%" X 7%" bowspring centralizers will be run across all prospective pays and 2 - 5%" X 7%" turbolizers will be spaced such that one (1) is just below the base of the Ojo Alamo and one (1) in the Ojo Alamo.

Float Equipment: Cement nose guide shoe, 1 joint 5½" casing, and float collar.

6. Auxiliary Equipment:

An upper kelly cock will be utilized. The handle will be available on riq floor at all times

7. Logging Program:

Dual Induction and Compensated Neutron / Formation Density will be run from TD to surface casing shoe. Bulk density will be presented on a 5 "scale through the coals. Deep induction curve will be merged onto the porosity log.

Coring and Testing Program:

No cores or drill stem tests are planned.

8. Abnormal Pressure:

Although not expected, abnormal pressures are possible in the Fruitland formation.

Estimated Bottom Hole Pressure:

650 - 900 psig.

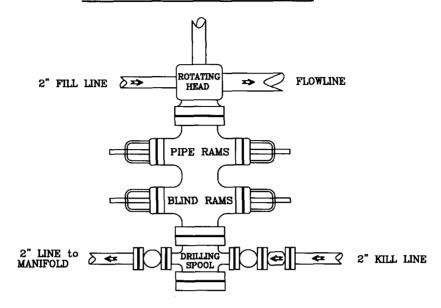
9. Anticipated Starting Date:

January 10, 2006

Duration of Operations: It is estimated a total of 6 days will be required for drilling operations and 5 days for the completion operation.

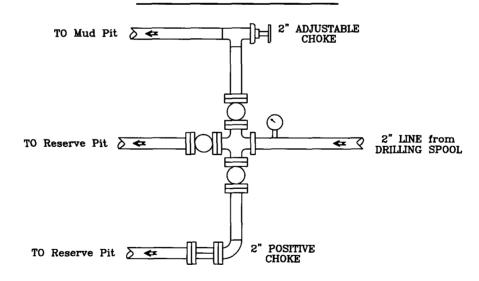
PRESSURE CONTROL

Wellhead Assembly



Preventer and Spools are to have a 6" Bore or larger and a 2000 PSI or higher Pressure Rating

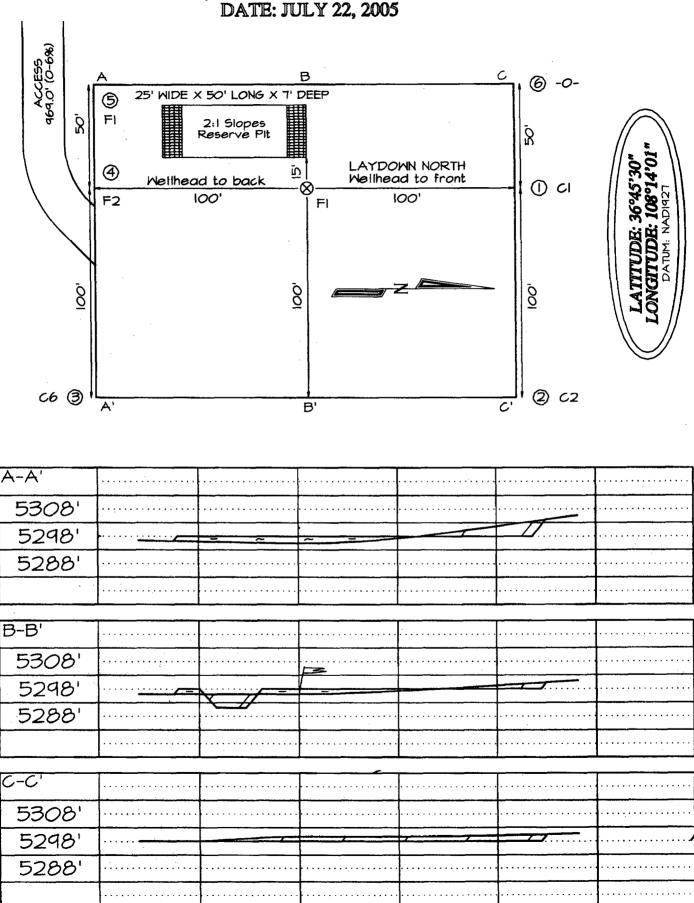
Choke Manifold



McElvain Oil & Gas Properties, Inc.

Wildwood No. 3 1650' FNL - 1075' FWL Section 5, T29N, R13W, NMPM San Juan County, New Mexico

McELVAIN OIL & GAS PROPERTIES WILDWOOD #3 1650' FNL & 1075' FWL, SECTION 5, T29N, R13W, NMPM SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 5297' DATE: JULY 22, 2005



Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction