District I 1625 N. French Dr., Hobbs, NM 88240 District II

1301 W. Grand Avenue, Artesia, NM 88210

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

Form C-101 May 27, 2004

Oil Conservation Division 1220 South St. Francis Dr.

State of New Mexico

Energy Minerals and Natural Resources

Submit to appropriate District Office

☐ AMENDED REPORT

1220 S. St. Fr	ancis Dr., S	Santa Fe, NM	87505		Santa	Fe, NI	M 8750)5							
APPL	ICATI		Operator Name	and Address	L, RE-F	ENTE	R, DE	EPE				K, OR		A ZON	E
McElvain Oil & Gas Properties, Inc. 1050 17 th Street, Suite 1800						22044 APhNumber 1 2									
Denver, CO 80265-1801 Property Code 2 501					⁵ Property N	Name 30 - 045 - 33422									
35	206	3526 C	<i>)</i>		Wildwoo	od							1		
			roposed Pool I							10	Propose	ed Pool 2			
<u></u>		Fulcher	Kutz Pictured C							·					
Г		T	<u> </u>		Surface]				Т.				т		
UL or lot no. H	Section 5	Township 29N	'		Feet from	1		1		East/West lin	ne	County San Jua			
Proposed Bottom Hole Location If Different From Surface 8 Proposed Bottom Hole Location If Different From Surface															
UL or lot no.			Feet from		North/South line Feet from the		e T	East/West line		County	, ,				
					<u></u>							Last West like			
				Additio			rmatic								
	Type Code N		12 Well Type Co G	ode 13 Cable/Rotary R			Lease Ty		ase Type Code P		13	15 Ground Level Elevation 5517			
	ultiple		17 Proposed Dep			nation		19 Contractor			²⁰ Spud Date				
	N		1632'	Lewis				D&D Service			January 10, 2006				
Depth to Grou	ındwater			Distance from	nearest fresl	h water w	vell			Distance >1000 f		earest surfa	ce wat	er	
	Synthetic	X <u>12</u> mi	ls thick Clay		<u>1700</u> bl	bls	ſ	Orilling I	Metho	d: Mud					
Close	d-Loop Sys	tem 🔲					Fre	sh Wate	er X I	Brine 🗌	Diesel/	Oil-based	Ga	s/Air 🔲	
			21	Proposed C	asing ar	nd Cer	ment F	rogra	am .						
Hole S	ize	Casii	ng Size	Casing weigh	ıt/foot	Se	etting De	pth		Sacks	of Ceme	ent	E	stimated TO	С
12.25	0"	8.6	25"	24			200'			140			Surface		
7.87	5"	5.5	00"	15.5			1632' 215		215	5 Surfa		Surface			
						·									
²² Describe th	ne proposed	program, If	this application	is to DEEPEN or	PLUG BA	CK. give	the data	on the	presen	t product	ive zone	e and propo	sed ne	w productive	zone.
Describe the	blowout pro	evention prog	ram, if any. Us	e additional sheets	s if necessa	гу.									
				and cement surface nimum of 600 psi											
cement produ	ction casing	g in a single s	tage with ceme	nt returns to surfa	ce. Move o	ut drillin	g rig. Mo	ve in co	omple	tion equip	oment. I	Run cased h	ole co	rrelation logs	i.
	_	. •		rate select Picture				ate usin	g a 2%	6 KCl bas	ed syste	em. Clean u		,	uction
equipment un	equipment and put on line. See attached drilling program and BOPE schematic for specific details.														
MOV and S															
E Par J															
											'	Page 1	J. WO.	. B	27
23 I hereby certify that the information given above is true and complete to the OIL CONSERVATION OF ISION															
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					Approved by: / /										
(attached) alternative OCD-approved plan					Approved by.						l				
Printed name: Robert E. Fielder / Lefful E. fielder Title: CEPUTY CR. & GAS INSPECTOR, CAST. &															
Title: Agent					Approval Date NOV 1 0 2005 Expiration Date: NOV 1 0 2006						2006				
					Approve			LU		Lypi	nation Date	,. <u>- • • • • • • • • • • • • • • • • • • </u>	-		
E-mail Address: pmci@acs-online.net Date: November 7, 2005 Phone: 505.632.3869					Conditions of Approval Attached										

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

District II . PO Drawer DD, Artesia, NM 88211-0719

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

District IV PO Box 2088, Santa Fe, NM 87504-2088 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
to Appropriate District Office

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

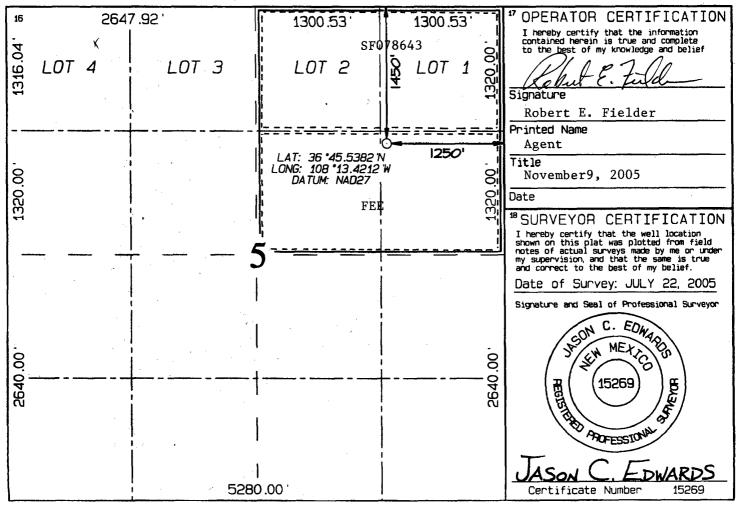
AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

'API Number	*Pool Code	*Pool Code *Pool Name			
30-045-33427	77200	77200 FULCHER KUTZ PICTURED CLIFFS			
⁴ Property Code		Property Name	Well Number ~		
35260		WILDWOOD	1		
'OGRID No.		*Operator Name	Elevation		
22044	McELVA:	IN OIL & GAS PROPERTIES	5517		
	4.0	\ O (

¹⁰ Surface Location RIO UL or lot no. Section Township Rence Lot Idn Feet from the North/South line Feet from the East/West line 5 **59N** NORTH 1250 **EAST** 13W 1450 Н ARRIBA ¹¹Bottom Hole From Surface Location If Different UL or lot no. Section Township Range Lat Tan Feet from the North/South line Feet from the East/West line County 12 Dedicated Acres ¹³ Joint or Infill ¹⁴ Consolidation Code ⁸⁵ Order No. 159.94 Acres - NE/4

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



MCELVAIN OIL & GAS PROPERTIES WILDWOOD #1 1450' FNL & 1250' FEL, SECTION 5, T29N, R13W, NMPM SAN JUAN COUNTY, NEW MEXICO GROUND ELEVATION: 5517' DATE: JULY 22, 2005 PENCE-LINE (NO WIRE) -o- (5) 6 -0-25' WIDE X 50' LONG X 7' DEEP 2:1 Slopes Reserve Pit Š LAYDOWN NORTH (1) Wellhead to front Wellhead to back -0- (4) 100 100 -0-<u>8</u> A-A' 5527 5517' 5507 B-B' 5527 5517' 5507' C-C' 5527 5517' 5507 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

McElvain Oil & Gas Properties, Inc. Wildwood No. 1 1450' FNL & 1250' FEL Section 5, T29N, R13W, NMPM San Juan County, New Mexico

TEN POINT DRILLING PROGRAM

- 1. Surface Formation: Ojo Alamo
- 2. Surface Elevation: 5517'GL.

3. Estimated Formation Tops:

Formation	Top - feet	Expected Production
Ojo Alamo	surface	
Kirtland	1000	
Fruitland	1222	
Pictured Cliffs	1322	GAS
Lewis	1482	
TOTAL DEPTH	1632	

4. Surface Hole Program:

Bit: Drill an 12¼" 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)	Ph	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%" X 12%" 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. 1
Page Two

5. Production Hole Program:

Bit: Drill a $7\frac{1}{6}$ " hole to 1632' 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:

Interval (ft)	Weight (ppg)	<u>Ph</u>	Vis(sec/qt)	Water Loss
200 - 1632	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.

 $\underline{\text{Note:}}$ 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. 5½" 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 125 sacks (318.75 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. 1
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 rig 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:

750 - 1000 psig.

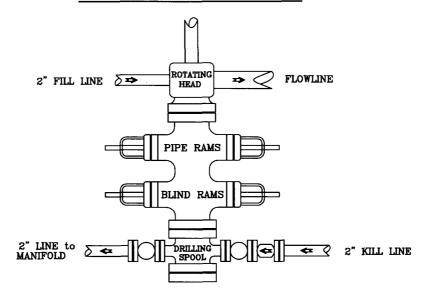
9. Anticipated Starting Date:

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.

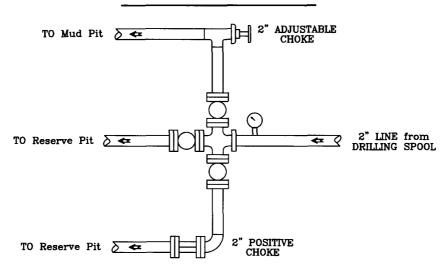
PRESSURE CONTROL

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. 1 1450' FNL - 1250' FEL Section 5, T29N, R13W, NMPM San Juan County, New Mexico