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

June 16, 2008

Submit to appropriate District Office

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

AMENDED	REPORT

Form C-101

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

Operator Name and Address McElvain Oil & Gas Properties, Inc.					² OGRID Number 22044								
1050 17 th St., Ste. 1800									22044		Number		
Denver, CO 80265-1801								30 – 045 ~	<u> </u>	7	2		
³ Property Code ⁵ Property 34986 Rub												II No. 2	
			9 1	Proposed Pool 1						¹⁰ Prop	osed Poo	12	
7 C	T4'-		Basin F	ruitland Coal (71	629)			L					
UL or lot no.	LOCATIO Section	n Towi	nshin I	Range	Lot 1	Idn Fee	from the	Sour	th line	Feet from the	We	st line	County
P	3	29		13W			370	304		881	west title		San Juan
⁸ Proposed	Bottom I	lole I	ocati	on If Differen	t From S	urface							
UL or lot no.	Section	Town	nship	Range	Lot 1	idn Fee	from the	North/S	South line	Feet from the	East/\	Vest line	County
Additiona	al Well	Infor	mati	on	•				· · · · · · · · · · · · · · · · · · ·				
	Type Code N			12 Well Type Coo	le	¹³ C	able/Rotary R		14	Lease Type Code P		15 Gro	und Level Elevation 5434'
	lultiple	-		17 Proposed Dept	th	18 -	Formation		<u></u>	19 Contractor			20 Spud Date
	No			1464			ured Cliffs		<u> </u>	D & D Services			ptember 1, 2009
21													
21 Propos	ed Casi	ng ar	nd Co	ement Progr								- 	
Hole S				ng Size	Casing	g weight/foot		Setting D		Sacks of Ce	ment		Estimated TOC
12.25 7.87				525" 500"		_24 15.5		200 1464				Surface Surface	
7.07	<u> </u>	_	ی	300	· · · · · · · · · · · · · · · · · · ·	15.5	+	1404	•	193			Surface
					·					1			
Describe the	he proposed blowout pr	i progra eventic	am. If	this application gram, if any. Use	is to DEEI additiona	PEN or PLUG I sheets if nec	BACK, giv ssarv	ve the dat	a on the p	resent productive z	one and	proposed 1	new productive zone.
Well will drill	led in accor	dance	with th	ne attached drillir	ng program	1. Blowout pre	vention eq	uipment a	and testing	are also described	in the at	tached dri	illing program.
Schematic of	well contro	l equip	ment i	s attached.								m T:::::	21 1 J. J. T.
				•							KCV	D JUM	475
				NC)TIF	AZTE		~~ ·	.		OIL	CONS.	DIV.
				PRI	OR	ГО СА		vid i	24 H	RS.		DIST. :	
						O CA	PINC	i & C	CEMI	ENT			
				940	LD C1)4 FCR	<i>ار</i> ۷	-					V
best of my kn				given above is to	rue and co	mplete to the	OIL CONSERVATION DIVISION				ION		
Signature					Approved by:								
Lebut E. Tiede					wether								
Printed name: Robert E. Fielder						SEPUTY	OH & 6	AS INSPECTOR,	DIST.	6			
Title: Agent					Appro	val Date	NUN 1	O 2009	xpiratior	Date:	UN 1 0 20 11		
E-mail Addres													
Date:	uo IICt			Phone:			Condi	tions of A	pproval At	tached			
June 4, 2009				(505)320-143	5				-				
							r	00 00		\			:

5%. JUN 10

'JUN 1 0 2009

<u>District 1</u> 1625 N, French Dr. Hobbs, NM 88246 District II

1301 W. Grand Avenue, Artesia, NM, 88210 District III

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

1220 S. St. Francis Dr., Stata Fe, NM 87505

State of New Mexico

Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-102

Revised October 12, 2005 Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

■ AMENDED REPORT

WELLIO	CATION AND	ACDEACE	DEDICATION PL	ΛТ

			WELL I	OCA.	TION AND ACI	REAGE DEDIC	ATION PLA	1	
30.045.3498() 71629 Basin Fruitland Coal									
Property Code Property Name: RUBY								• Well Number 2	
7 OGRID No 22044	* Operator Name ** Elevation McELVAIN OIL & GAS PROPERTIES, INC. 5434								
					10 Surface	Location			
UL ar Let No	Section	Townsh	ip Range	Lot Id	in. Feet from the	North/South Line	Feet from the	East/West Line	County
Р	3	29	9 N 13 W 370 South 881 East Sa					San Juan	
			11 B	ottom	Hole Location I	f Different From	Surface		
UL or Lot No	Section	Townsh	np Range	Latt le	In Feet from the	North/South Late	Feet from the	East/West Line	County
12 Dedicated Acres 5/2 - 320.0	14 Joint C	ं किर्वीती	14 Consolutari	on Code	© Order No				

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.

16				17 OPERATOR CERTIFICATION I hereby certify that the influtuation contained herein is to take and computer in the best of my knowledge and bestlef, and that this organization enther move a working inversel or unlessed mineral distorest in the fault including the proposed bostness bode location on here a right to drill this well at this bossition pursuant to a constrain with no corner of such induced in working informat, in to a working profing agreement of a computancy pooling order heretofiew enjoyed by the division. **Report E. Fielder** Puriod Name
	Sec.			
		3		18 SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys mode by me or under my supervision, and that the same is true and correct to the best of my betier. 23 Feb 12009
		Lat. 36.74925° N Long. 108 18722° W	370' <u>881' </u> <u>881' </u> 370' <u>370' </u>	Signature and Sea of Professional Surveyor: William E. Mahnke II Certificate Number 8466

Bearings are based on Valley View Center Replat "D" Filed 11/12/2008

McElvain Oil & Gas Properties, Inc.

Ruby No. 2 370' FSL & 881' FEL Section 3, T29N, R13W, NMPM San Juan County, New Mexico

TEN POINT DRILLING PROGRAM

1. Surface Formation: Ojo Alamo

2. Surface Elevation: 5434'GL.

3. Estimated Formation Tops:

Formation	Top - feet	Expected Production
Ojo Alamo	surface	
Kirtland	729	
Fruitland	1111	GAS
Pictured Cliffs	1314	GAS
TOTAL DEPTH	1464	

4. Surface Hole Program:

Bit: Drill an 124" 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:

<u>Interval (ft)</u>	Weight (ppg)	Ph Vis	(sec/qt)	Water Loss	ا الله المستوادية المستودية المستوادية المستوادية المستودية المستودية المستودية المستود
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 2% 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". 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 BOPE to full working pressure using a test plug. Drill out cement to within five feet of surface casing shoe. Test surface casing and BOPE to a minimum of 600 psig for 15 minutes.

Centralizers: Run two (2) 8%" X 124" regular bowspring centralizers. Install first one on stop ring in middle of shoe joint.

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

Drilling Program
McElvain Oil & Gas Properties, Inc.
Ruby No. 2
Page Two

5. Production Hole Program:

Bit: Drill a 7%" hole to 1464' using a TCI, IADC Class 447 bit. WOB: 30-35K. RPM: 60 - 75. Hold RPM at 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 - 1464	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 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 full working pressure. Surface casing and BOPE will be 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 Epithermal Neutron/Formation Density logs will be run from TD to the surface casing shoe.

Casing and Cementing Program: Run 5½" 15.5 ppf J-55 production casing from surface to TD and cement in a single stage with 115 sacks (293.3 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 80 sacks (95.2 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. Ruby No. 2

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 3-5%" X 7%" turbolizers will be spaced such that one (1) is just below the base of the Fruitland coal, one just below the base of the Ojo Alamo and one (1) in the Ojo Alamo.

Float Equipment: Cement nose guide shoe, 1 joint 5년" 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 Epithermal Neutron / Formation Density will be run from TD to surface casing shoe. Bulk density will be presented on a 5 $^{\prime\prime}$ 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:

250 - 300 psig.

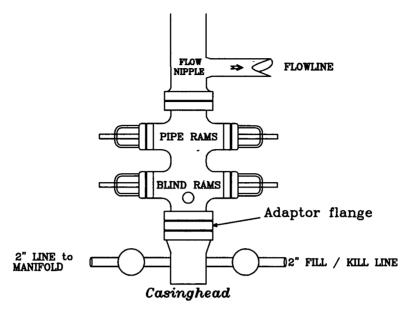
9. Anticipated Starting Date:

September 1, 2009

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

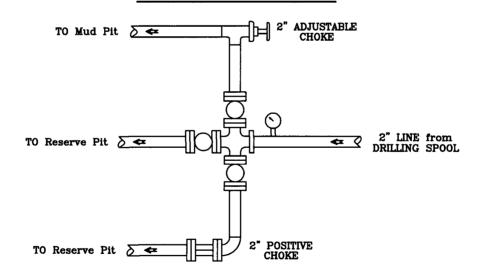
PRESSURE CONTROL

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.

Ruby No. 2 370' FSL - 881' FWL Section 3, T29N, R13W, NMPM San Juan County, New Mexico