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**

Submit to appropriate District Office

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

AMENDED REPORT]

Form C-101

June 16, 2008

ADDITION FOR DEDMIT TO DOLL OF ENTED DEEDEN

			A ZONE) DKII	LL, K	E-EN	I EK,	DEE	PEN,				
	¹ Operator Name and Address McElvain Oil & Gas Properties, Inc.								,	22044	² OG	RID Numbe	T
			1050 17 th Street Denver, CO 80	, Suite 180	0		30-045.35058						
	erty Code					Property 1	y Name 6 Well No.						
3683 Ar						Argo				¹⁰ Prop	osed P		2
7 Surface	Location		Basin Fruitland Coal										·
UL or lot no.	Section	Township	Range	Lot I	ldn	Feet fro		Sout	h line	Feet from the	v	Vest line	County
8 Proposed	Pottom H	Jole Loca	13W tion If Differen	t From S	urface	78.	2			1027	<u> </u>		San Juan
UL or lot no	Section	Township	Range	Lot 1		Feet fro	m the	North/S	outh line	Feet from the	Eas	t/West line	County
Addition	al Well I	nforma		1									
11 Work	Type Code N		12 Well Type Coo G	le		¹³ Cable · • • • • •	-		14	Lease Type Code P	`	15 Grou	and Level Elevation 5387'
	fultiple N		¹⁷ Proposed Dep 1420'	th	ī	18 For		fs		19 Contractor D & D Services			²⁰ Spud Date anuary 1, 2010
					<u> </u>	Totalo	<u>u OIII.</u>						
Propos Hole S			Cement Programmes		g weight	t/foot		etting De	anth	Soake of Co	mont	- 	Estimated TOC
12.25			.625"	Casing	24	71001		500°	,	Sacks of Ceme		Surface	
7.87			.500"		$\frac{24}{15.5}$					190		Surface	
		, tt		· · · · · · · · · · · · · · · · · · ·									
								e the data	a on the pr	esent productive z	one an	d proposed	new productive zone.
			ogram, if any. Use scription of drillin					E schem	atic attach	ed			
											D۲	UD DEC	**************************************
							oil cons. Div.						
			MITTED TO AND				814						
LOOPS	YSTEM, BE	LOW GRAD	A PIT, CLOSED E TANK, OR				NOTIFY AZIEC OCU 24 HAS.						
NMOCD PA	ART 19.15.1	17, PRIOR	D, PURSUANT TO TO THE USE OR APPLICATIONS.	,			PRIOR TO CASING & CEMENT						
CONSTRUC	JION OF IT	HE ABOVE	APPLICATIONS.							_			
²³ I hereby ce best of my kn			n given above is t	rue and co	mplete 1	to the	OIL CONSERVATION DIVISION					ION -	
Signature.						Appro	ved by:	L	Hyr				
Printed name:					Title:	SEPHIN	M ON R	GAS INSPECTOR	R. DIS	1. 4.			
Robert E. Fie Title:	acr							value:		E		on Date:	
Agent								UEL	082	2009	-	-	718111
E-mail Addre pmci@advan													
Date. December 4,	2009		Phone: 505-320-143:	5			Condit	ions of A	pproval At	tached			
2000,1001 4,			1 303 320 143.							<u> </u>			

District 1 1625 N French Dr. Hobbs, NM 88240 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., Santa 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

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number Pool						¹ Pool Name				
30.045-35058 71629 Basin Fruitland (and Coal				
* Property Code					Property			6 Well Number		
968	36831 ARGO									
, ogrid n	OGRID No Operator Name							⁹ Elevation		
22044	22044 McELVAIN OIL & GAS PROPERTIES, INC							5387		
¹⁰ Surface Location										
UL or Lot No	Section	Fownship	Range	tange Lot Idn. Feet from the North/South Line Feet from the East/West Lu					County	
M	21	30 N	13 W		782	South	1027	West	San Juan	

11 Bottom Hole Location If Different From Surface									
UL or Lot No.	Section	Township	Range	Lat Ida	Feet from the	North/South Line	Feet from the	East/West Line	County
1									
W/2-320	11 Joint o	ւ հոճԱ 1- Z	+ Consolidation	Code 19 C	rder 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.

N 0°25'E 40.04 Ch.	N .89:	¥5∵W Sec.	78.	.59 Ch.	17 OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and ballef, and that this organization either owns a working interest or unleased mineral interest in the lead including the proposed bottom bole location or has a right to drill this well at this location pursuant to a contract with an owner of such mineral or working interest, or to a valuatary peoling agreement or a compulsory pooling order hereinflow genered by the division. Signature Date Robert E. Fielder Frinted Name
N 0°27' E 40.25 Ch.	1027'	Lat. 36.79367° N Long. 108.21600° W 57' W	79.	∃,Z0 ₀ 0 N	18 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 supervision, and that the same is true and correct to the best of my behef. 26 Mar-2009 Date of Survey. Signature and Seal of Professional Surveyor William E. Mahnike II Certificate Number 8466

McElvain Oil & Gas Properties, Inc. Argo No. 2 782' FSL & 1027' FWL Section 21, T30N, R13W, NMPM San Juan County, New Mexico

TEN POINT DRILLING PROGRAM

1. Surface Formation: Ojo Alamo

2. Surface Elevation: 5387'GL.

3. Estimated Formation Tops:

Formation	Top - feet	Expected Production
Ojo Alamo	surface	
Kirtland	635	
Fruitland	1065	GAS
Pictured Cliffs	1270	GAS
TOTAL DEPTH	1420	,

4. Surface Hole Program:

Bit: Drill an 124" hole to 500' 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)	<u>Ph</u>	Vis(sec/qt)	Water Loss
0 - 500	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 350 sacks (413.0 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 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 four (4) 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. Self fill insert float valve run one joint above shoe. Also thread lock connection between first and second joint run.

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

5. Production Hole Program:

Bit: Drill a 7%" hole to 1420' 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:

<pre>Interval (ft)</pre>	<u>Weight (ppg)</u>	<u>Ph</u>	Vis(sec/qt)	Water Loss
500 - 1420	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 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. 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 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 110 sacks (280.5 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.
Argo 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: $5 - 5\frac{1}{2}$ " X $7\frac{1}{4}$ " bowspring centralizers will be run across all prospective pays and $3 - 5\frac{1}{2}$ " X $7\frac{1}{4}$ " 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 4½" 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 "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 $\operatorname{Fruitland}$ formation.

Estimated Bottom Hole Pressure:

250 - 300 psig.

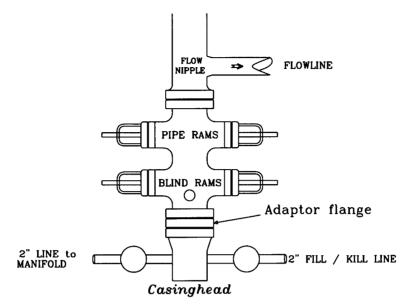
9. Anticipated Starting Date:

January 1, 2010

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

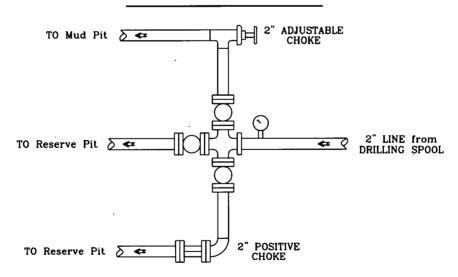
PRESSURE CONTROL

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.

Argo No. 2 782' FSL - 1027' FWL Section 21, T30N, R13W, NMPM San Juan County, New Mexico