1220 S: St Francis Dr., Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources

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

Submit to

OR ADD A ZONE	Euri Franci	
☐ AMENDED REPORT		
appropriate District Office	Carrier Contract	menter menter protecti

Form C-101

June 16, 2008

AP	PLICA	TION	1 F	OR PERM	IT TO	DRILL, RI	E-ENT	ΓER, I	DEEPE	N, PLUGI	BACK	K, OR A	DD A ZONE
McElvain Oil & Gas Properties, 'Operator Name and Address 1050 17th St., Suite 1800						S						RID Numbe	22044
Denver, CO 80265-1801										30-39		PI Number	(
Property Code Property 28462 Badger 11							Name					1.	ell No A
	Blan	co M	les	Proposed Pool 1 a Verde						¹⁰ Pro	oposed Po	ool 2	
						7 Surfa	ce Loc	ation				`	
UL or lot no	Section 11	Townsh 25N	hip J	Range 2 W	Lot I	dn Feet fro		North/So	outh line orth	Feet from the 2298	East East	t/West line	County Rio Arriba
	L	L		8 Pr	onosed B	ottom Hole Lo	cation I	lf Differ	ent From	. Surface	<u></u>		I
UL or lot no	Section 11	Townsh 25N	hip	Range 2W	Lot I	dn Feet fro		North/So North	outh line	Feet from the 1980	East	t/West line West	County Rio Arriba
	l		,		,1	Additional V	Well In	format	ion				
11 Work	Type Code N			12 Well Type Co G	de	13 Cable R	e/Rotary		14	Lease Type Code P		¹⁵ Gro	und Level Elevation 7356 '
	lultiple NO		60	Proposed Dep 124 TVD/63	th 37'MD	Mancos	mation		D&J I	¹⁹ Contractor Orilling		Septem	²⁰ Spud Date ber 15,2008
					²¹ Prot	oosed Casing	o and (Cement	t Progr	am			
Hole S	170		Casi	ing Sıze	,	g weight/foot	Ī			Sacks of 0			Estimated TOC
12.250"				625"	36	g weighbloot		Setting Depth Sacks of Ce		Jement	surface		
8.750"			7.0	00"	20		3901'TVD/4150'MD Stg 1-400			DV			
								DV @ 1682MD Stg 2-190		0			
6.250"			4.5	500"	10.5	·····		3791'TVD/4030'MD 240 -6024'TVD/6337'MD		240		_	liner top
²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK Describe the blowout prevention program, if any. Use additional sheets if necessary. See attached drilling program and directional plat A COMPLETE C-144 MUST BE SUBMITTED TO AND APPROVED BY THE NMOCD FOR: A PIT, CLOSED LOOP SYSTEM, BELOW GRADE TANK, OR PROPOSED ALTERNATIVE METHOD, PURSUANT TO NMOCD PART 19 15.17, PRIOR TO THE USE OR CONSTRUCTION OF THE ABOVE APPLICATIONS. Hold C104:						K, give th an. B ached	ne data on lowout	the present	t productive zone ention productive	gram c	describ	ed in 24 HRS.	
for Directional Survey and "As Drilled" plat													
²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief						OIL CONSERVATION DIVISION							
Signature Robert & First					Approved by								
Printed name Robert E. Fielder					Title (DEPUTY	OIL &	GAS INSPECT					
Title	Agent					· · · · · · · · · · · · · · · · · · ·	Approv	val Date	10V 0	6 2008	Expiration	on Date N (OV 0 6 2010
E-mail Addres	ss pmci@	@adva	nta	as.net									
Date 9/4/	2008	Date 9/4/2008 Phone 505 320 1435				1435	Conditi	ons of App	roval Attac	ched			

NOV 0 6 2008

Dantel

1025 N. Prench Dr., Hollin, N.M 88240

District II 1801 W. Grand Avenus, Artesia, NM 88210

District III

1000 Rio Braziis Dd. Artes, NM 87410

Districtly

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

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ر الاستام ما م		· V	VELL LO	CATION	AND ACRE	AGE DEDICA	TION PLAT	3	PROBLEM TO STANK
30.03	Pi Number		.	Prod Code 2319	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		anco Mesa V	*	
Property C 2846					BADGER			ä.	Vell Namber
'OGRID' 2204				McELV	AIN OIL & G	AS PROPERTI	ES	,	Elevation 7356
enter en		orders accessed a large	a e eka manata. Nga nga	t on the	10 Surface L	ocation	1 10 10 10 10 10 10 10 10 10 10 10 10 10	No. 2 - Adventurer	and the same of the same of
ULorioim. G	Section 11	Township 25N	Ranga 2W	Latido	Feet from the 2238	North/South Use North	Pert from the 2298	East East	Ciuity Rio Arriba
		-1 = 25%	¹¹ Bot	tom Hole	Location If	Different From	Surface	Car Mina was	in initialization of the state of
Cil. or let ea.	Section 11	Township 25N	Range 2W	Lot kin	Feet from the 1000	North/South Die North	Feet from the 1980	East/West Dina West	County Rio Arriba
⁶ Deficuted Acres 320	* Bohut ar	Infil) °C	operildados O	do Orde	Mos v Sergens	*)	1

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.

5 / / / / / / / / / / / / / / / / / / /	West Bottom Hate 1000FAL 1980FAL X	80.08 Ch.	5	OPERATOR CERTIFICATION Therefore of the the information contends bester to true and complete to the best of my local temperature of the best of my local temperature of the first of my local temperature of the first the first best of the second and the second temperature of the first best of the fir
26	N 39 0644 W. 1898.06	Let 38.413 Long 107.		Kohnt E filder 1/4/08 Symmer Bring Robert E. Fielder Prinsed Rings
<u> </u>	j.	11	N. 0°01' W	18 SURVEYOR CERTIFICATION I have by certify that the well touchen shown on this plat was planed from field notes of actual surveys made by me or under my supervision, and that the name to true and convect to the best of my balls. 22 Nov 2008 9-4-08
10.0 N	N89 69 W/	80.07° Ch.		Signature and Scattle of Scattle

McElvain Oil & Gas Properties, Inc.
Badger 11 No. 1A
2238' FNL & 2298' FEL (Surface)
1000' FNL & 1980' FWL (Bottomhole)
Section 11, T25N, R2W, NMPM
Rio Arriba County, New Mexico

TEN POINT DRILLING PROGRAM

1. Surface Formation: San Jose

2. Surface Elevation: 7356'GL.

3. Estimated Formation Tops:

<u>Formation</u>	Top(TVD)-ft	Top(MD)-ft	Expected Production
Nacimiento	1644	1682	
Ojo Alamo	3144	3322	
Fruitland	3394	3595	Gas
Pictured Cliffs	3519	3731	Gas
Lewis	3719	3950	
Huerfanito	3979	4234	
Chacra	4479	4779	
Cliff House	5254	5567	Gas
Menefee	5369	5682	Gas
Pt. Lookout	5699	6012	Gas
Upper Mancos	5874	6187	
TOTAL DEPTH	6024	6337	

4. Surface Hole Program:

Bit: Drill a 12 1/4" hole to 600'(MD/TVD)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 - 500 8.6 or less 9.0-9.5 40 - 50 No Control

Casing and Cementing: A string of 9%" 36# J-55 or K-55 ST&C casing will be set and cemented to the surface in a single stage with 310 sacks (365.8 cf) of Class "B" cement (yield = 1.18 cf/sk) containing 3% CaCl₂ and 0.25 pps 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 12½" by 9%" annulus. Minimum clearance between couplings and hole is 0.8125". 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 and wellhead to full working pressure. Drill out cement to within 20 feet of shoe. Test BOPE and surface casing to a minimum of 600 psig for 15 minutes.

Page Two

4. Surface Hole Program: - continued

Centralizers: Run four (4) 95%" X 12 4" regular bowspring centralizers. Install first one on stop ring in middle of shoe joint.

Float Equipment: Cement nose guide shoe run on bottom of first joint. Self fill insert float valve run in top of first joint. Thread lock shoe and connection between first and second joint run.

5. Intermediate Hole Program:

Bit: Drill an 8 $\frac{3}{4}$ " hole to 700' (TVD/MD) using TCI, IADC Class 447 bits. WOB: 35-45K. RPM: 60 - 75. Pick up directional tools and begin 3°/ 100 foot build section. Drill build section to 1474'TVD/1497'MD to build inclination to 23.8°. Drill 23.80° hold section to 3901'TVD/ 4150'MD. All directional section will be on a 320.89° azimuth.

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

<pre>Interval (ft)(TVD/MD)</pre>	Weight (ppg)	<u>Ph</u>	Vis(sec/qt)	Water Loss
700 - 3215/3400	8.6 - 8.8	9.0-9.5	28 - 35	10 - 12
3215/3400 - 3901/4150	8.9 - 9.2	9.0-9.5	35 - 50	8 - 10

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 rig pits will be visually monitored and recorded on a routine basis.

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.

Hole will be drilled to top of Fruitland using polymer and drispac additions to water. Mud up before drilling into Fruitland.

<u>Lost Circulation</u> is expected and 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.

Page Three

5. Intermediate Hole Program: - continued

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. BOPE and surface casing 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. 7" rams will be installed before running intermediate 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: None

Casing and Cementing Program: Run 7" 20# J-55 production casing from surface to Intermediate TD and cement in 2 stages with a DV tool installed at ± 1644'(TVD)/1682'(MD). Stage 1: will be cemented with 300 sacks (636.0 cf) of 65/35 Class B Poz containing 5 pps Gilsonite, and 0.25 pps celloflake mixed at 12.1 PPG to yield 2.12 cf/sk. Tail in with 100 sacks (126.0 cf) of Type V with 5 pps gilsonite and 0.25 pps celloflake mixed at 15.2 ppg to yield 1.26 cf/sk. Stage 2: will be cemented with 140 sacks (296.8 cf) of 65/35 Class B Poz with 5 pps gilsonite and 0.25 pps celloflake mixed at 12.1 PPG to yield 2.12 cf/sk. Follow with 50 sacks (63.0 cf) of Type V with 5 pps gilsonite and 0.25 pps celloflake mixed at 15.2 PPG to yield 1.26 cf/sk.

Circulate and WOC between stages for four (4) hours.

Slurry volumes assume a 150% excess over gauge hole volume. Minimum clearance between couplings and hole is 0.5470". Safety factors utilized in the design of this casing string were: burst = 1.1; collapse = 1.125; and tension = 1.8.

WOC 12 HOURS from plug down on first stage. Pressure test intermediate casing and BOPE to 1500 psi for 15 minutes.

Centralizers: $10 - 7" \times 8\%"$ bowspring centralizers will be run across all prospective pays and $5 - 7" \times 8\%"$ turbolizers will be spaced such that one (1) is just below the Basal Fruitland Coal, two (2) across base of Ojo Alamo, and two (2) across base of Nacimiento. Additional centralizers will be placed between these two groups and top of hole to insure standoff of the pipe from the lower hole wall.

Float Equipment: Cement nose float shoe, 1 joint 7" casing, float collar, and 1 - DV tool.

Page Four

6. Production Hole Program:

Bits: Drill a 6 1/4" hole to 4353'(TVD)/4644'(MD)with TCI, IADC class 637 bit and directional tools holding angle at 23.8° on an azimuth of 320.89°. Drill to 5124'(TVD)/5437'(MD) dropping 3°/100' on 320.89° azimuth. Drill to TD holding angle at 0°.

Mud: This intervalwill be drilled using a fresh water based low solids non dispersed system with the following properties:

<u>Interval (ft) (TVD/MD)</u> <u>Weight (ppg)</u> <u>pH</u> <u>Vis(sec/qt)</u> <u>Water Loss</u> 3901/4150 - 6024/6337 8.6 - 9.0 9.0-9.5 28 - 40 8 - 10 cc

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 after cutoff of 7" casing. Casing and BOP will be tested to a minimum of 1500 psig before drilling out from under intermediate casing. Mechanical operation of pipe rams will be checked daily and blind rams will be checked on each trip out of hole. 4 1/2" 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: Gamma Ray Induction and Compensated Density/Epithermal neutron logs from TD to intermediate casing shoe. Merge deep induction curve onto porosity logs.

Casing and Cementing Program: Run 4 ½" 10.5# J-55 production liner from TD to 120 feet into intermediate casing. Cement in a single stage with 140 sacks (296.8 cf) of 65/35 Class B Poz containing 5 pps gilsonite and 0.25 pps celloflake mixed at 12.1 PPG to yield 2.12 cf/sk. Follow with 100 sacks (126.0 cf) of Type V with 5 pps gilsonite and 0.25 pps celloflake mixed at 15.2 PPG to yield 1.26 cf/sk.

Slurry volumes assume a 79% excess over gauge hole volume to bring cement back into the intermediate casing. Cement volume is subject to change after review of open hole caliper log to caliper volume + 30%. Minimum clearance between couplings and hole is 0.625". Safety factors utilized in the design of this casing string were: burst = 1.1; collapse = 1.125; and tension = 1.8.

Centralizers: 7 - 4½" X 6½" rigid centralizers will be run across prospective pays of the Mesa Verde. Additional rigid centralizers will be spaced between these and the intermediate casing shoe to insure standoff of the pipe from the lower hole wall.

Float Equipment: Cement nose float shoe, 1 joint 4 1/2" 10.5 # casing, and plug landing collar. TIW 44" X 7" liner hanger.

Page Five

7. Auxiliary Equipment:

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

8. Logging Program:

Gamma Ray Induction and Epithermal Neutron / Formation Density will be run from TD to intermediate casing shoe. Bulk density will be presented on a 5 " scale through the coals in the Menefee. Deep induction curve will be merged onto the porosity log.

Coring and Testing Program:

No cores or drill stem tests are planned.

9. Abnormal Pressure:

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

Estimated Bottom Hole Pressure:

1500 - 2000 psig.

10. Anticipated Starting Date:

September 15, 2008

Duration of Operations: It is estimated a total of 10 days will be required for drilling operations and 10 days for the completion operation.

Scientific Drilling

Planning Report



Database: EDM 2003 14 Single User Db

Company: McElvain Oil & Gas

Plan #2

Rio Arriba County, NM (NAD 27) Project:

Site: Badger Com 11 Well: Badger Com 11-1A Wellbore: 11-1A

Design:

Local Co-ordinate Reference: TVD Reference: MD Reference: North Reference:

Grid Survey Calculation Method:

Well Badger Com 11-1A 11-1A @ 7369.50ft (KB Elev 11-1A) 11-1A @ 7369.50ft (KB Elev 11-1A)

Minimum Curvature

Formations Measured Depth (ft)	Vertical Depth (ft)	Name	Dip Dip Direction Lithology (°) (°)
5,566.62	5,253.50	Mesaverde-Cliff House	0.00
3,950.05	3,718.50	Lewis	0.00
4,778.68	4,478.50	Chacra	0 00
1,682.18	1,643 50	Nacimiento	0.00
3,321.60	3,143 50	Ojo Alamo	0.00
3,731.46	3,518 50	Pictured Cliffs	0.00
5,681 62	5,368 50	Menefee	0.00
4,234.21	3,978.50	Huerfanito	0 00
6,011 62	5,698,50	Point Lookout	0 00
6,186 62	5,873.50	Upper Mancos	0 00
3,594.84	3,393 50	Fruitland	0.00

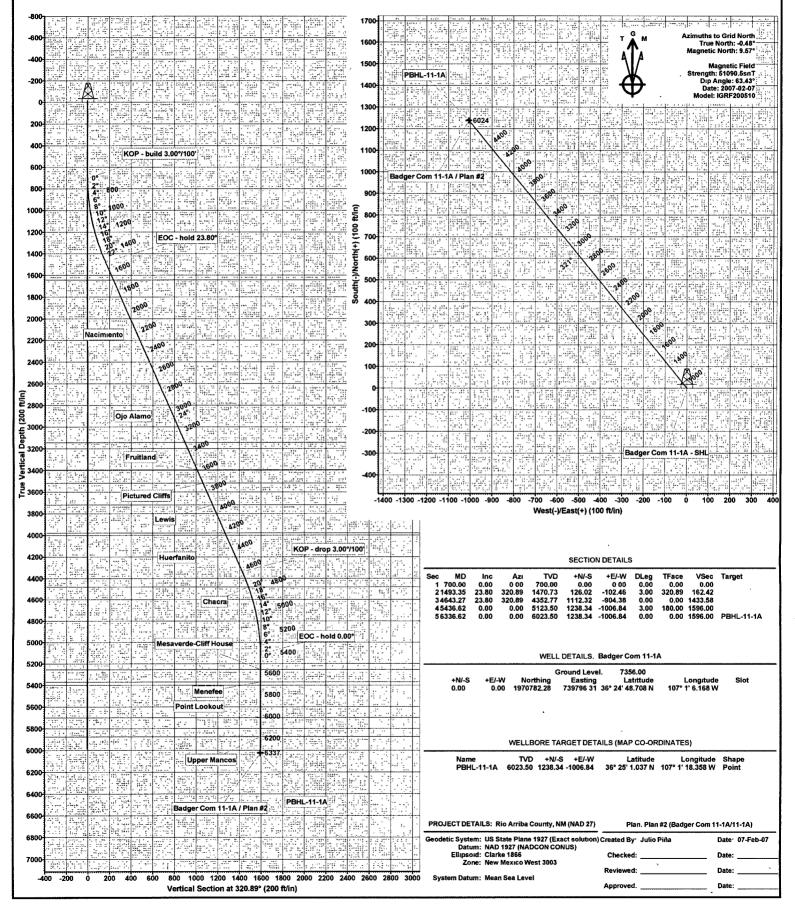
Plan Annotations	was to have become to make the side of an interest half and the side of the si	Person abalishway yang dan manara sama adap mendipangan bersampungan menanggan pensampungan	hamadadore de dynamica actual	when there have more more than the second charges and physical constitutions and the second charges are second charges are second charges are second charges and the second charges are second
Measured Depth (ft)	Vertical Depth (ft)	Local Coordin +N/-S (ft)	nates +E/-W (ft)	Comment
700 00	700.00	0.00	0.00	KOP - build 3 00°/100'
1,496.79	1,473 88	127.10	-103 34	EOC - hold 23.80°
4,627 02	4,337.91	1,107 23	-900 24	KOP - drop 3.00°/100'
5,423.82	5,110.70	1,238.31	-1,006.81	EOC - hold 0 00°

McElvain Oil & Gas

Project: Rio Arriba County, NM (NAD 27) Site: Badger Com 11

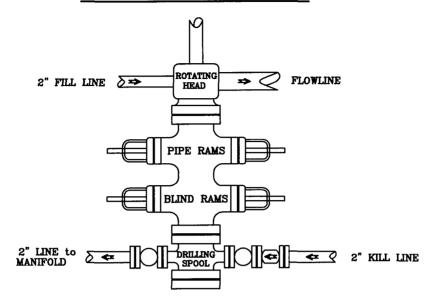
Well: Badger Com 11-1A Wellbore: 11-1A Design: Plan #2





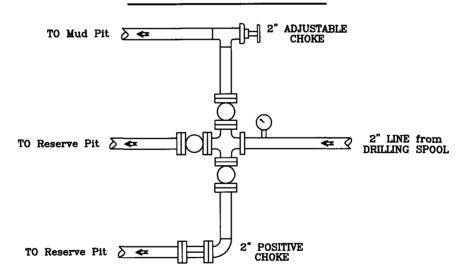
PRESSURE CONTROL

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.

Badger 11 No. 1A 2238' FNL - 2298' FEL (surface) Section 11, T25N, R02W, NMPM Rio Arriba County, New Mexico