

DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

OMB No: 1004-0135  
Expires: January 31, 2004

**SUNDRY NOTICES AND REPORTS ON WELLS**  
**Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

McElvain Oil & Gas Properties, Inc.

3a. Address

1050 17th Street, Suite 1800 Denver, CO 80265

3b. Phone No. (include area code)

303.893.0933 x 302

4. Location of Well (Footage, Sec., T, R, M., or Survey Description)

795' FNL - 2430' FWL, Section 12, T29N, R12W, NMPM

5. Lease Serial No.

SF065557

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

PRI No. 1

9. API Well No.

3004532605

10. Field and Pool, or Exploratory Area

Basin Fruitland Coal

11. County or Parish, State

San Juan, New Mexico

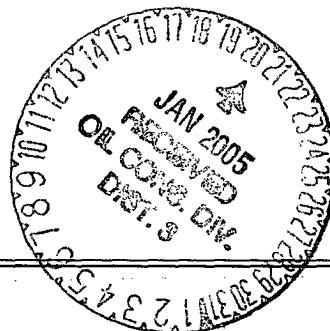
**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>Move location</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

3. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

McElvain Oil & Gas Properties, Inc. proposes to move the PRI No. 1 to the footage described above. Footage for the previously staked location was 1545' FNL - 1170' FWL. A new plat, drilling program, surface use plan and maps are attached reflecting the new location. A cultural resources survey of this location has been completed and the report filed. A third party EA is being completed and should be filed shortly. The new location has been inspected by Mr. Roger Herrera of the BLM-FFO.

The location was moved for geologic reasons due to recent offset development.



14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Robert E. Fielder

Title Agent

Signature

*Robert E. Fielder*

Date January 12, 2005

**THIS SPACE FOR FEDERAL OR STATE OFFICE USE**

Approved by (Signature)

*Jim Lovab*

Name

(Printed/Typed)

Title

*Petr. Eng*

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Date

*1/18/05*

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Continued on next page)

**NMOCD**

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

District II  
PO Drawer 00, 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  
Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

2005 JAN 12 PM 3:42 ☐ AMENDED REPORT

## WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number <b>30-045-32665</b>		Pool Code <b>71629</b>	Pool Name <b>BASIN FRUITLAND COAL</b>
Property Code	Property Name <b>PRI</b>		Well Number <b>1</b>
GRID No. <b>22044</b>	Operator Name <b>McELVAIN OIL &amp; GAS PROPERTIES, INC.</b>		Elevation <b>5783</b>

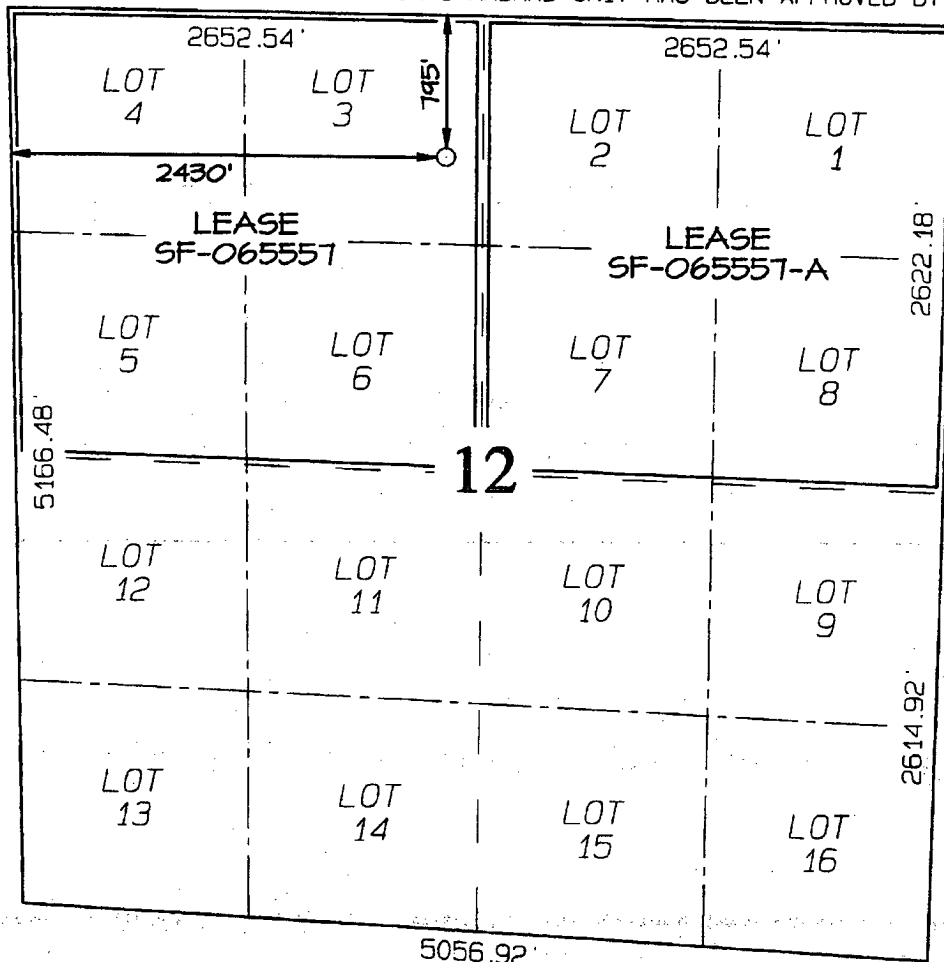
### 10 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<b>C</b>	<b>12</b>	<b>29N</b>	<b>12W</b>		<b>795</b>	<b>NORTH</b>	<b>2430</b>	<b>WEST</b>	<b>SAN JUAN</b>

### 11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres <b>313.18 Acres - (N/2)</b>					Joint or Infill	Consolidation 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



### 17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief

*Robert E. Fielder*  
Signature

**Robert E. Fielder**  
Printed Name

**Agent**

Title

**January 12, 2005**

Date

### 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 belief.

Survey Date: **DECEMBER 30, 2004**

Signature and Seal of Professional Surveyor



**JASON C. EDWARDS**  
Certificate Number 15269

**McElvain Oil & Gas Properties, Inc.**

**PRI No. 1**

**795' FNL & 2430' FWL**

**Section 12, T29N, R12W, NMPM**

**San Juan County, New Mexico**

**TEN POINT DRILLING PROGRAM**

1. **Surface Formation:** Nacimiento

2. **Surface Elevation:** 5783' GL.

3. **Estimated Formation Tops:**

<u>Formation</u>	<u>Top - feet</u>	<u>Expected Production</u>
Nacimiento	surface	
Ojo Alamo	489	
Kirtland	674	
Farmington	1384	
Fruitland	1624	GAS
Pictured Cliffs	1904	GAS
TOTAL DEPTH	2054	

4. **Surface Hole Program:**

**Bit:** Drill an 8 $\frac{3}{4}$ " 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>	<u>Weight (ppg)</u>	<u>Ph</u>	<u>Vis(sec/qt)</u>	<u>Water Loss</u>
0 - 200	8.6 or less	9.0-9.5	40 - 50	No Control

**Casing and Cementing:** A string of 7" 20 ppf J-55 or K-55 ST&C casing will be set and cemented to the surface in a single stage with 50 sacks (59.0 cf) of Class "B" cement (yield = 1.18 cf/sk) containing 3% CaCl<sub>2</sub> 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 8 $\frac{3}{4}$ " by 7" annulus. Minimum clearance between couplings and hole is 0.5470". 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 or 100,000 lb overpull, whichever is greater.

WOC 12 HOURS. Nipple up 7 1/16" 2000# BOPE. Pressure test surface casing and BOPE to 600 psi for 15 minutes.

**Centralizers:** Run two (2) 7" X 8 $\frac{3}{4}$ " 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.

PRI No. 1

Page Two

### 5. Production Hole Program:

**Bit:** Drill a 6 $\frac{1}{4}$ " hole to 2054' using a TCI, IADC Class 447 bit. WOB: 30-35K. RPM: 60 - 75. Reduce 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:

<u>Interval (ft)</u>	<u>Weight (ppg)</u>	<u>Ph</u>	<u>Vis(sec/qt)</u>	<u>Water Loss</u>
200 - 2054	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.

Lost Circulation 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. 4 $\frac{1}{2}$ " 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:** Dual Induction and Compensated Neutron/Formation Density logs will be run from TD to the surface casing shoe.

**Casing and Cementing Program:** Run 4 $\frac{1}{2}$ " 10.5 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 85 sacks (101.15 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.**

**PRI 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 0.6250". Safety factors utilized in the design of this casing string were: burst = 1.1; collapse = 1.125; and tension = 1.8 or 100,000 lb over pull, whichever is greater.

**Centralizers:** 5 - 4½" X 6¼" bowspring centralizers will be run across all prospective pays and 2 - 4½" X 6¼" 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 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 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:**

250 - 300 psig.

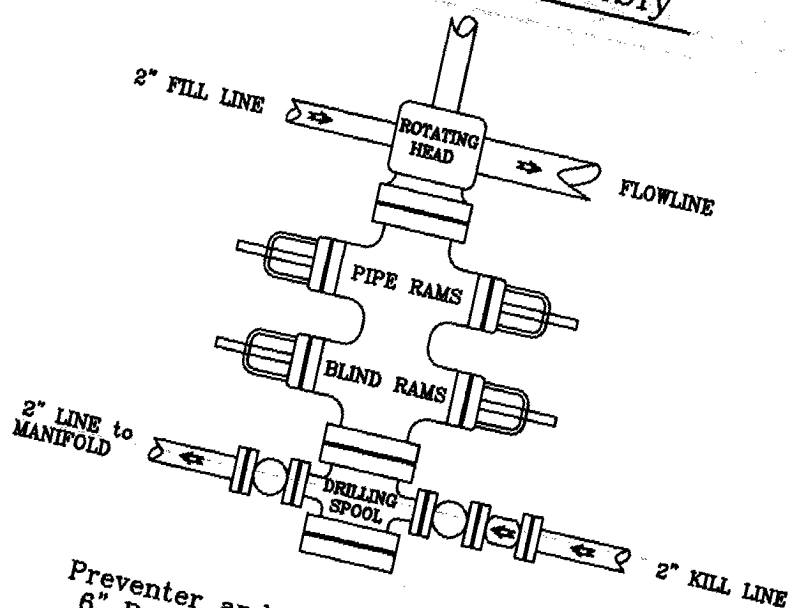
### **9. Anticipated Starting Date:**

January 30, 2005

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

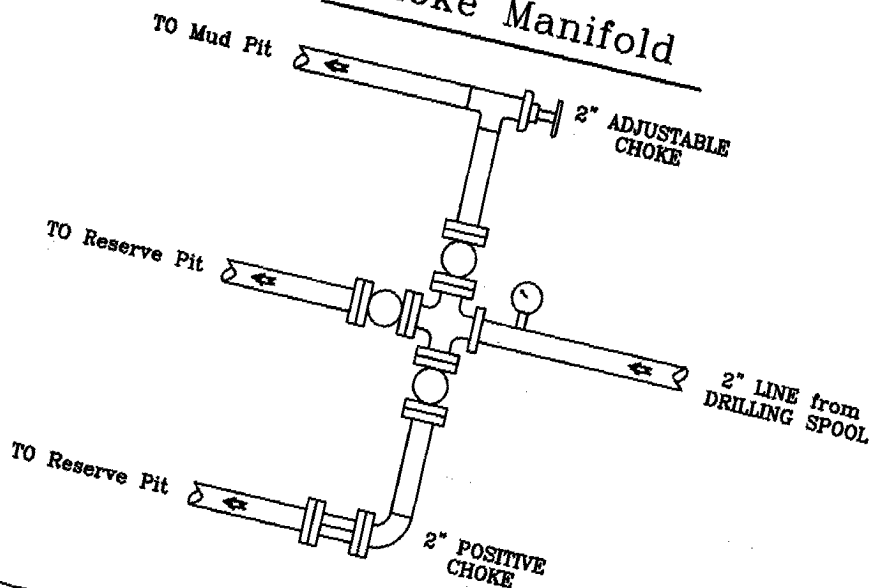
# PRESSURE CONTROL

## Wellhead Assembly



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

## Choke Manifold



**McElwain Oil & Gas Properties, Inc.**

PRI No. 1  
795' FNL - 2430' FWL  
Section 12, T29N, R12W, NMPM  
San Juan County, New Mexico

## Surface Use Plan

**Operator:** McElvain Oil & Gas Properties, Inc.

**Well Name:** PRI No. 1

**Location:** 795' FNL - 2430' FWL, Section 12, T29N, R12W, NMPM, San Juan Co., New Mexico.

**Lease Number:** SF065557

### **1. Existing Roads:**

**A.** See Attached Area and Vicinity Map for route.

**B.** Follow New Mexico Highway 64 east from Farmington to intersection with SJ County road 3500/3569 at McGee Park. Turn left onto CR 3500/3569 and follow north for 4.0 miles. Turn right onto SJ CR 3100 and follow for 0.4 miles to intersection. Turn right onto SJ CR 3150 and follow for 0.8 miles to intersection. Turn left on SJ CR 5030 and follow for 0.15 miles to intersection. Turn left onto lease road and follow for 0.2 miles. New access exits to the left.

All of the existing lease access road (0.2 miles) is on Federal surface from its origin in NW/NW of 12-29-12 to the proposed new access road. The access route is shown on the Area Map. McElvain applies for an existing road right of way for this 0.2 mile section of road.

**C.** This well will require 50 feet of new access road.

**D.** Exploratory Well - NA

**E.** Development Well - All existing roads are shown on the attached Area and Vicinity Maps.

**F.** Plans for Improvement and Maintenance - Existing roads are bladed dirt and gravel. All existing roads will be maintained in their present condition during the drilling and completion of this well.

### **2. Access Road:**

**A.** Width: 16 foot running surface.

**B.** Maximum Grade: 1%.

**C.** Turnouts - None.

**D.** Drainage Design - The new access road will be constructed in accordance with BLM standards. It will be built up over the EPFS right of way. Drain ditches will be established on each side of road draining into culverts and/or turn outs.

**E.** Upgrade Existing Road - none

**F.** Location and Size of Culverts - One 18" X 40' at exit from existing road to maintain existing drainage.

## **Surface Use Plan**

**McElvain Oil & Gas Properties, Inc.**

**PRI No. 1**

Page Two

**G. Surface Materials :** Gates - none. Cattle guards - none. Fence cuts - none. Road Base - none during the drilling and completion phase of the operation. Road base will be installed as necessary to insure access without destroying road bed integrity after well is completed as commercial producer.

**H. Center Line flagging -** Road route is centerline flagged with red ribbon.

### **3. Location of Existing Wells:**

This is a development location. All existing and proposed wells within a one mile radius are shown on the Vicinity Map.

### **4. Location of Existing and Proposed Production Facilities:**

**A. Existing Facilities:** There are nineteen gas / oil wells operated by various companies and eight plugged and abandoned wells within a one mile radius of the proposed location. The producing wells have production facilities including separators, condensate storage tanks, dehydrators, pumping units, compressors and location drips. The area also contains gas gathering facilities operated by El Paso Field Services. The gathering facilities include pipelines, meter runs, and pigging stations.

**B. Proposed Facilities:** The actual equipment used and it's configuration will be determined after the well is completed. At a minimum the facilities will include a pumping unit, separator, produced water storage tank, and compressor.

**C. Plans for Rehabilitation of the Surface:** All areas not needed for the operation of the well will be contoured to blend with the existing topography and seeded with the appropriate seed mix. All pits will be fenced until they are covered.

### **5. Location and Type of Water Supply:**

**A. Location:** A designated access point on the water supply system of Lee Acres Water Users Association.

**B. Supply Source:** Lee Acres Water Users Association water supply system.

**C. Transportation:** Truck

**D. Water wells to be drilled:** None

### **6. Source of Construction Materials:**

All construction materials will come from the location except for the gravel for tank bases and surface equipment, which will come from a commercial quarry. Any material needed for road base will come from a commercial quarry in the area.



## **Surface Use Plan**

**McElvain Oil & Gas Properties, Inc.**

**PRI No. 1**

Page Three

### **7. Methods of Handling Waste Disposal:**

**A. Cuttings and drilling fluids:** Drilling fluids will be stored in a lined reserve pit. Cuttings will be discharged into the reserve pit from the flow line during drilling. The drilling fluid will be allowed to dry in the reserve pit and the cuttings and drilling fluid solids will be buried during the clean up operation.

**B. Produced Fluids:** Tanks will be used for the storage of all produced liquids during testing and production. Oil will be retained in the tanks until it can be treated and sold. Water from testing operations will be drained into the reserve pit. Produced water will be stored in a tank on location and hauled to a commercial disposal facility. Gas will be flared during testing and sold to EPFS during production.

**C. Sewage:** Sewage will be contained in a portable latrine.

**D. Garbage:** Garbage will be contained in a trash basket. This will be hauled to the nearest dump facility and disposed upon completion of the well.

**E. Wellsite Clean Up:** Upon completion of the drilling operation, all trash will be gathered and placed in the trash basket. The pits will be fenced with woven wire on three sides during drilling. The fourth side will be fenced upon completion of the drilling phase. The pits will remain fenced until they have dried enough to backfill.

### **8. Ancillary Facilities:**

None

### **9. Wellsite Layout:**

Cuts and fills, location of pits and drilling equipment, and orientation are shown on the attached Wellsite Layout and Cut / Fill cross section. Cut and fill slopes will be outside the staked perimeter on all sides except corner 3. This corner will be rounded in to permit building the 3:1 cut slope without cutting into the crest of the small ridge. A drainage diversion ditch will be cut along side 3-4, draining east, and along side 2-3, draining south. Access road will come onto location between corners 1 and 2 and will be constructed by pushing excess fill dirt over pipeline right of way to pad pipeline. Trees and brush will be pushed to corner 6 and walked down to compact and use for fill.

## **Surface Use Plan**

**McElvain Oil & Gas Properties, Inc.**

**PRI No. 1**

Page Four

### **10. Plans for Restoration of the Surface:**

A. Backfilling of the pits will be done as soon they dry sufficiently. Contouring of unused area will be done in conjunction with the backfilling. Waste disposal will commence as soon as the drilling is complete.

B. Seeding will be done during the appropriate season with a BLM specified mix. All areas not needed for production operations will be seeded.

C. All drilling pits will be fenced until they are covered. Any oil accumulation will be removed or overhead flagging installed to protect waterfowl.

D. Rehabilitation will commence when drilling is completed. Completion of the rehabilitation depends on the weather and the time it takes the pits to dry.

### **11. Other Information:**

A. This location is on Crouch Mesa adjacent to the High Line Road. Drainage is to the east. The soils are clay loam. The vegetation is juniper scrubland.

B. Surface use and Ownership: Grazing/Recreation - BLM

C. Proximity of water, dwelling, etc.:

Nearest water: three miles south, irrigation ditch.  
Nearest dwelling: one half mile north.

### **12. Lessee or Operators Field Representatives:**

Mr. John Steuble  
McElvain Oil & Gas Properties, Inc.  
1050 17<sup>th</sup> St., Suite 1800  
Denver, CO  
80265-1801  
(303) 893 - 0933 X 302

Mr. R.E. Fielder  
Property Management &  
Consulting Inc.  
P. O. Box 2596  
Farmington, NM 87499  
(505) 325 - 5220

### **13. Certification:**

I hereby certify that I, or persons under my supervision, have inspected the proposed location drill site; that I am familiar with the conditions which presently exist; that the statements in this plan are, to the best of my knowledge, true and correct; and that the work associated with the proposed operation herein will be performed by West Largo Corp. and it's contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

1/12/05  
Date

Robert E. Fielder  
Robert. E. Fielder

INDICATE LOCATION TO THE NEAREST METER  
ELEVATIONS SHOWN TO THE NEAREST METER

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS

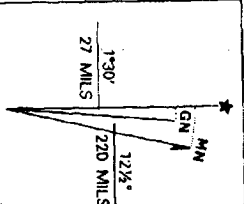
CONVERSION TABLE

Meters	Feet
--------	------

1	3.2808
2	6.5617
3	9.8425
4	13.1234
5	16.4042
6	19.6850
7	22.9659
8	26.2467
9	29.5276
10	32.8084

To convert meters to feet  
multiply by 3.2808  
To convert feet to meters  
multiply by 0.3048

DECLINATION DIAGRAM

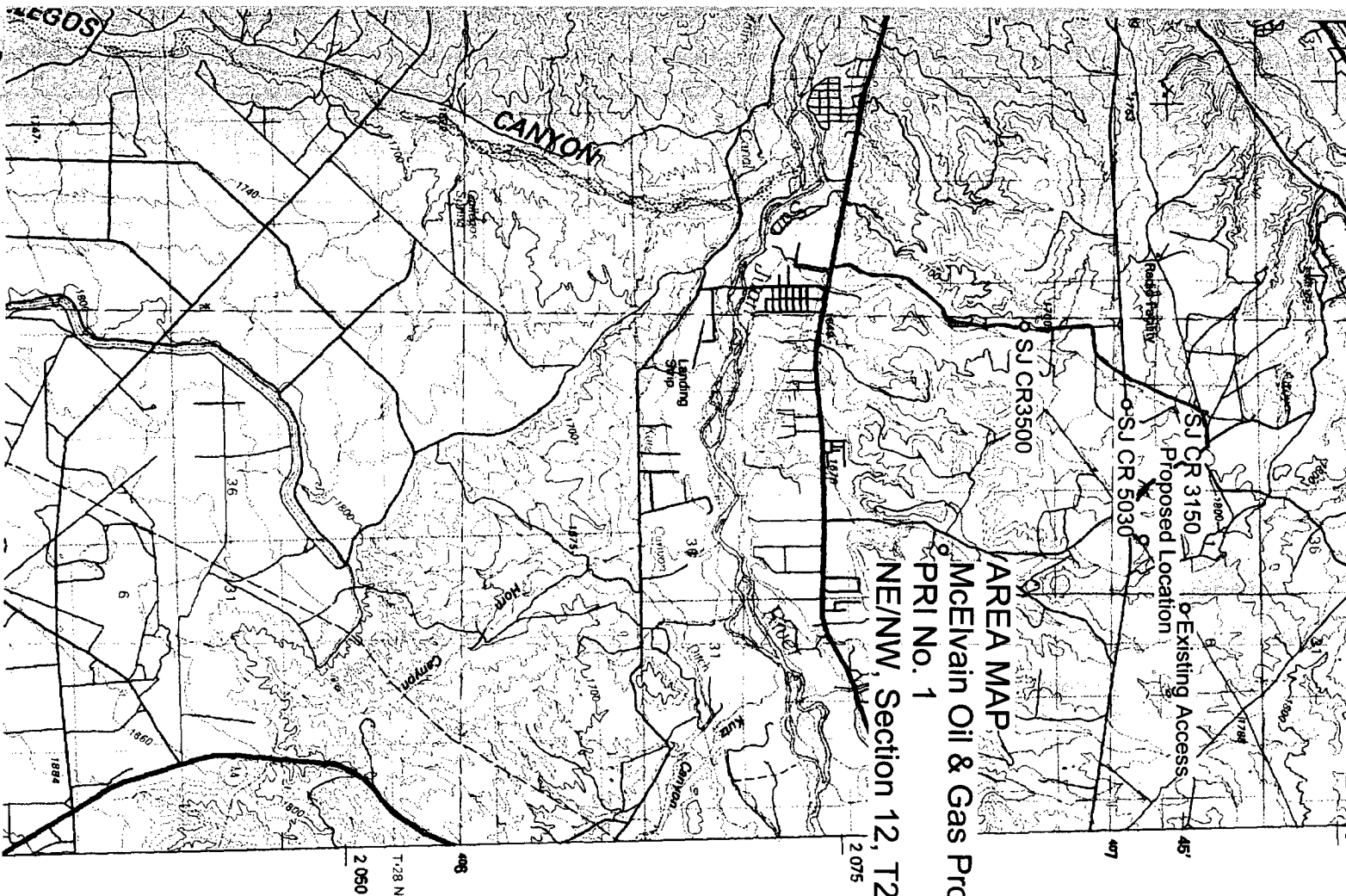


UTM grid convergence  
(G/N) and 1980 magnetic  
declination (M/N)  
at center of map  
Diagram is approximate

ADJOINING MAPS

1	2	3
4	5	6
7	8	

- Bluff
- Cortez
- Durango
- Rock Point
- Nuevo Rencor
- Canyon de Chelly
- Tooleza
- Chaco Canyon



Topographic Map Symbols

Primary highway, hard surface	
Secondary highway, hard surface	
Light duty road, principal street, hard or improved surface	
Other road or street, trail	
Route marker: Interstate, U. S., State	
Railroad: standard gauge, narrow gauge	
Bridge: overpass, underpass	
Tunnel: road, railroad	
Built up area, locality, elevation	
Airport, landing field, landing strip	
National boundary	
State boundary	
County boundary	
National or State reservation boundary	
Land area boundary	

FOR SALE BY U. S. GEOLOGICAL SURVEY,  
DENVER, COLORADO 80225, OR RESTON, VIRGINIA 22092

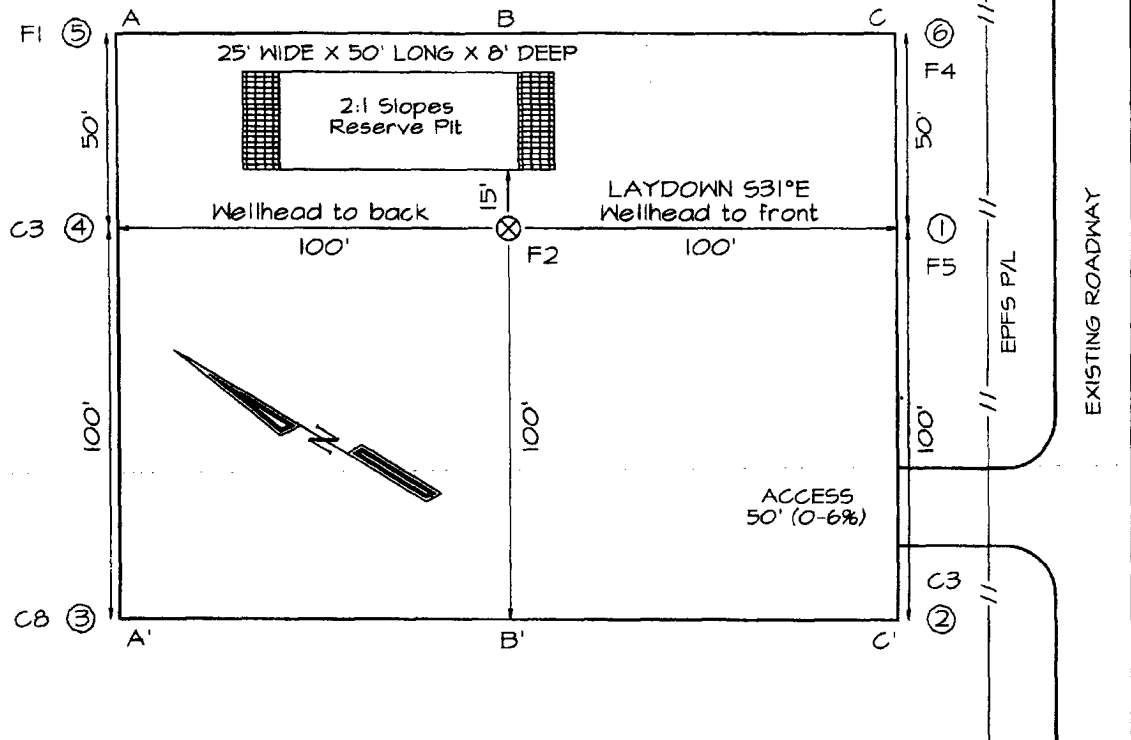


**HOPKINS MAP SERVICE**  
P. O. BOX 536 FARMINGTON, N.M. 87489

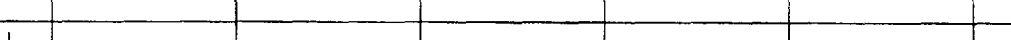
**HOPKINS MAP SERVICE**  
P. O. BOX 536 FARMINGTON, N.M. 87489

**LATITUDE: 36°44'43"**  
**LONGITUDE: 108°03'01"**

\*SURFACE OWNER\*  
Bureau of Land  
Management

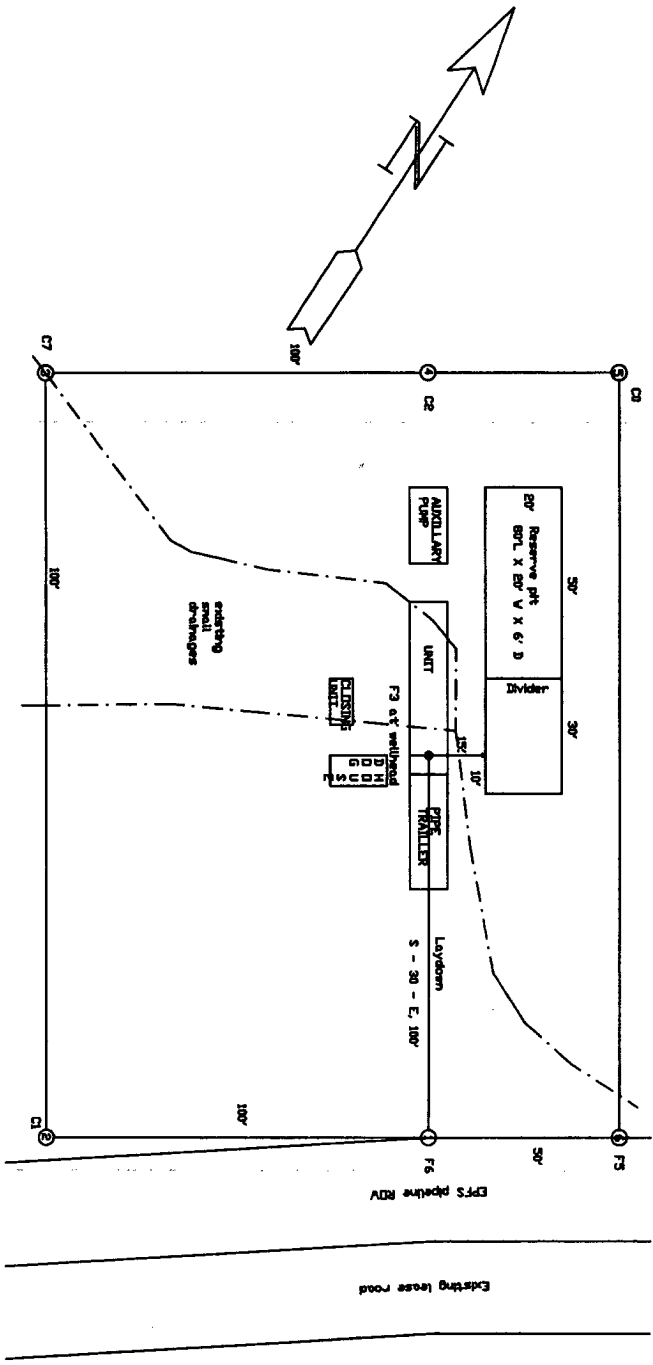


A-A'							
5795'							
5785'							
5775'							

B-B'						
5795'						
5785'						
5775'						

C-C'						
5795'						
5785'						
5775'						

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.*

### Wellsite Layout

PRI No. 1  
 795' FNL - 2430' FWL  
 Section 12, T29N, R12W, NMPM  
 San Juan Co., New Mexico