Form 3160-3 (September 2001)



FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004

DEPARTMENT OF THE IN BUREAU OF LAND MANAG	 Lease Serial No. NMNM-106649 				
APPLICATION FOR PERMIT TO DE	6. If Indian, Allottee or Tribe Name				
1a. Type of Work: DRILL REENTER			7. If Unit or CA Agreement, Name and No.		
1b. Type of Well: Oil Well Gas Well Other Single Zone Multiple Zone			8. Lease Name and Well No. Twilight Zone #1		
2. Name of Operator McElvain Oil and Gas Properties, Inc.			9. API Well No. 30-039-23606		
3a. Address 1050 17th Street #1800 Denver, CO 80265	3b. Phone No. (include area code) 303-893-0933		10. Field and Pool, or Exploratory Basin Dakota or Blanco Mesaverde		
4. Location of Well (Report location clearly and in accordance with At surface 1850' FSL & 1850' FEL Sec. 12-T24N-I At proposed prod. zone Same	11. Sec., T., R., M., or Blk. and Survey or Area Sec. 12-T24N-R2W				
14. Distance in miles and direction from nearest town or post office* Lindrith,NM 2 miles south			12. County or Parish Rio Arriba	13. State NM	
15. Distance from proposed* location to nearest 1850' property or lease line, ft. (Also to nearest drig. unit line, if any)	16. No. of Acres in lease 320	17. Spacir	7. Spacing Unit dedicated to this well 320 E/2		
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft.	19. Proposed Depth 8150	20. BLM/	20. BLM/BIA Bond No. on file <i>LPM41</i> 38223		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 7355' GL	22. Approximate date work will start* January 2004		23. Estimated duration 2-3 weeks		
	24. Attachments			<u> </u>	
 The following, completed in accordance with the requirements of Onshe Well plat certified by a registered surveyor. A Drilling Plan. A Surface Use Plan (if the location is on National Forest System SUPO shall be filed with the appropriate Forest Service Office). 	4. Bond to cover t Item 20 above). 5. Operator certific	he operation cation. specific in:	is form: ons unless covered by an existing formation and/or plans as may be	·	
25. Signature	Name (Printed/Typed) John L	D. Steubl		2/29/2003	
Title Engineering Manager			-2 PASAN		
Approved by (Signature) /s/ David R. Sitzler	Name (Printed/Typed)	Name (Printed/Typed)		3 0 2004	
Assistant Field Manager	Office): 20 .×.×		
Application approval does not warrant or certify the the applicant holds operations thereon.	legal or equitable title to those rights in	n the subject	t lease which would entitle the app	licant to conduct	

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.

*(Instructions on reverse)

Conditions of approval, if any, are attached.

District I

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

Santa Fe, NM 87505

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.

Revised August 15, 2000

Submit to Appropriate District Office State Lease - 4 Copies

Fee Lease - 3 Copies

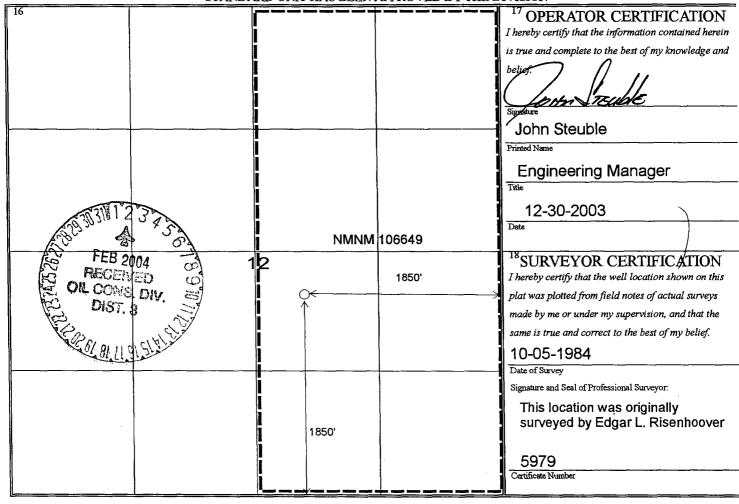
Form C-102

AMENDED REPORT

30-039-23606	WELL LOCATION AND A	CREAGE DEDICATION PLAT	
¹ API Number 30-045-09406			
33408	⁵ Property Name Twilight Zone		'Well Number
OGRID No.	³ Operator Name		Elevation

McElvain Oil & Gas Properties, Inc. 7355 22044 Surface Location UL or lot no. Section Township Range Lot Idn Feet from the North/South line Feet from the East/West line County Rio Arriba 24N **2W** 1850 South 1850 East J 12 Bottom Hole Location If Different From Surface Lot Idn North/South line UL or lot no. Feet from the Feet from the East/West line County Section Township Range Dedicated Acres ¹³ Joint or Infill Consolidation Code Order No. 320

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



<u>District I</u> 1625 N. French Dr., Hobbs, NM 88240 <u>District II</u>

1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Die Brazes Pd. Artes NM 87410

1000 Rio Brazos Rd., Aztec, NM 87410 District IV 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 August 15, 2000 Submit to Appropriate District Office

State Lease - 4 Copies

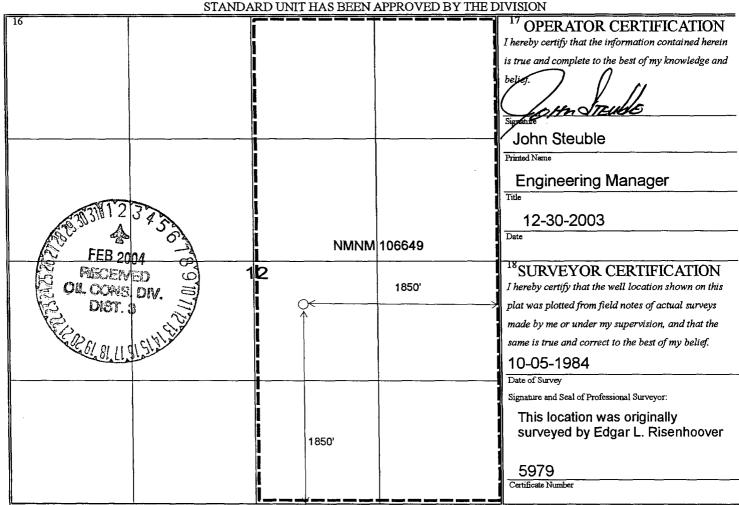
Fee Lease - 3 Copies

1220 S. St. Francis Dr., Santa Fe, NM 87595 6 AMENDED REPORT 3 6 - 6 3 7 - 73 WELL LOCATION AND ACREAGE DEDICATION PLAT

<u> </u>	- WEDE LOCATION AND A	TOREMOL DEDICATION I DAG	
¹ API Number ² Pool Code 71599 BASIN DAKOTA			
Francrity Code 8		⁵ Property Name Twilight Zone	
⁷ ogrid №. 22044		*Operator Name McElvain Oil & Gas Properties, Inc.	
	10 ~	^ T	

Surface Location UL or lot no. Range Lot Idn North/South line Feet from the East/West line County Section Township Feet from the Rio Arriba 24N **2W** South J 12 1850 1850 East 11 Bottom Hole Location If Different From Surface UL or lot no. Section Township Lot Idn Feet from the North/South line Feet from the East/West line County 12 Dedicated Acres ³ Joint or Infill Consolidation Code Order No. 320

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, INC.

Twilight Zone #1 1850' FSL & 1850' FEL Sec. 12-T24N-R2W Rio Arriba County, New Mexico

DRILLING PROGRAM

1. Surface Formation: San Jose

2. Surface Elevation: 7355'

3. Formation Tops:

FORMATION	TOP	EXPECTED PRODUCTION
Nacimiento	1730'	-Toc1925
Ojo Alamo	3090'	- 1001120
Kirtland	3290'	
Fruitland	3365'	
Pictured Cliffs	3437'	
Lewis	3518'	
Cliffhouse	5168'	GAS
Menefee	5271'	GAS
Pt Lookout	5648'	GAS
Mancos	5915'	
Gallup	6417'	
Greenhorn	7795'	
Graneros	7870'	
Dakota	7985'	GAS
TD	8150'	

4. Casing and Cementing Program:

Run and cemented as previously reported.

9 5/8" 40# limited Service @ 233' in 12 1/4" hole Cemented with 125 sxs Class B +2% CaCl Circulated to surface

5 ½" 17# J-55 0'-607'

5 1/2" 15.5# K-55 607'-6432'

5 1/2" 17# J-55 6432'-8148'

8 1/2" hole

DV @ 6139' & 3528'

Cement 1st stage with 10 bbl Mud Flush, 375 sxs 50/50 Class B POZ +2% Gel +6 ¼ #/sk Gilsonite +1/4 #/sk flakes (525 cf) Full returns while cementing

Cement 2nd stage with 10 bbl Mud Flush, 190 sxs 65-35 Class B POZ +12% Gel +1/4 #/sk flakes Tailed with 270 sxs 50/50 Class B POZ +2% Gel +1/4 #/sk flakes (763 cf) Full returns while cementing

Cement 3rd stage with 10 bbl mud flush, 320 sx 65-35 Class B POZ +12% Gel +1/4 #/sk flakes 85 sx 65-35 Class B POZ +12% Gel +6 ¼ #/sk Gilsonite +1/4 #/sk flakes Tailed with 85sx 50-50 Class B POZ +2% Gel +6 ¼ #/sk Gilsonite +1/4 #/sk flakes (1025 cf) Full returns until last 49 bbls of displacement Cement top @ 1925' (temp survey)

McElvain Oil and Gas Properties, Inc. New Horizon #1 Ten Point Drilling Program 'Page 2

P&A PLUGS: 12-1996

6769' CIPB Capped with 8 sk cement

Tested casing to 780 psig

5865'-5965' 17 sx

5118'-5698' 69 sx

3065'-3487' 51 sx

0-282' 108 sx

Perf sqz holes @ 282'

Pumped down casing with cement returns to surface out of bradenhead

PERFORATIONS:

6819'-7114' 32 holes 7353'-7563' 11 holes

5. Pressure Control Equipment:

A double ram 3000 psi BOP and stripping head will be utilized during the clean out operations of the cement plugs. A TIW valve will be available at all times during the cleanout operations.

6. Mud Program

Fresh water will be utilized will be utilized to drill all cement plugs. Once the plugs have been drilled the fresh water will be replaced with 2% KCl water for the completion.

7. Logging Program

A GR/CBL/CCL/VDL from PBTD' to 7900' and 5900' to 5000'

8. Coring and Testing

No cores or DST's are planned.

9. Estimated Pressures:

Estimated BHP after completion is ±1800 psig

McElvain Oil and Gas Properties, Inc. New Horizon #1 Ten Point Drilling Program Page 3

10. Other Information

This is a planned reentry of a P&A'd well. The purpose of the reentry is to complete zones within the Dakota and or Meseverde formation. A 80' x 40' reserve pit will be built. Location anchors will be installed. The casing was cut off below ground level and a dry hole marker installed during the plugging operations. The 9 5/8" and 5 ½" casing will be extended to the surface. A 3000# wellhead will be installed and pressure tested prior to the starting of operations. The cement plug from surface to 282' with be drilled out. The casing and squeeze holes will then be tested to 2000 psig for 30 minutes. Should the squeeze holes leak the holes will be resqueezed and the process repeated until a successful pressure test is obtained. The remaining plugs will be drilled out down to the CIBP at 6769'. A GR/CBL/CCL/VDL log will be run from 5900' to 5000' across the Mesaverde zone. The hole will be circulated clean with water. The casing will then be tested to 2000 psig for 30 minutes. The CIBP at 6769' will be drilled out and the well will be cleaned out to PBTD. The hole will be circulated with clean 2% KCl water. A GR/CBL/CCL/VDL log will be run from PBTD to 7900'. Intervals in the Dakota zone will be perforated and broke down with 15% HCl and ball sealers then swab tested. If the swab test is good, the zone will be stimulated. A decision will be made, depending on the production levels achieved, to either squeeze the open perforations or produce the Dakota from under a packer.

Should the Dakota be unproductive a CIBP will be set at ± 7985 ' (top of the Dakota formation) and capped with 50' of cement. A CIBP will be set at ± 6769 ' and capped with 50' of cement. Selected intervals within the Mesaverde formation will be perforated, broke down, tested and stimulated as necessary.

If either the Dakota or Mesaverde is commercial production facilities will be set and a pipeline connection installed.

If the well is not commercial, the well will be P&A'd as follows:

Spot a 100' cement plug 5865'-5965' (top of Mancos)

Set a CIBP @ 5168' and capped with 50' of cement (top of Mesaverde)

Spot a 240' plug 3250'-3490' (top of Kirtland)

Spot a 100' plug 3050'-3140' (top of Ojo Alamo

Spot a 100' plug 232'-332' (base of surface casin)

Spot a 50' surface plug

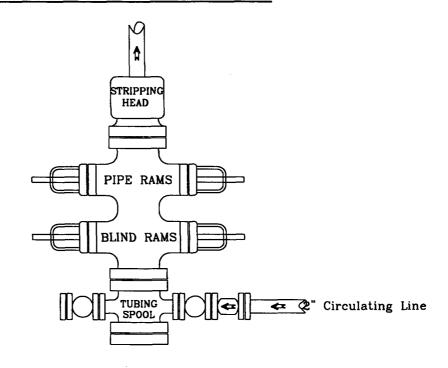
Cut off casing.

Install dry hole marker

Reclaim location

PRESSURE CONTROL

Wellhead Assembly



Preventer and Spools are to have a 2000 PSI or higher Pressure Rating

McElvain Oil & Gas Properties, Inc.

Twilight Zone #1 1850' FSL & 1850' FEL Section 12 T24N, R2W, NMPM Rio Arriba County, New Mexico