

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. Type of Work Drill		5. Lease Number SF-080390 ^A	
1b Type of Well Gas		6. If Indian, Name of Tribe or Allottee 2001 APR 13 PM 1:28	
2. Operator Norman L. Gilbreath		7. Unit Agreement Name	
3. Address & Phone No. of Operator %A. R. Kendrick Box 516, Aztec, NM 87410 (505) 334-2555		8. Well Name and Number McIlroy #1R	
4. Location of Well 1293' FSL 821' FEL Lot 237 Wildflower Subdivision Road 3937 (Crouch Mesa)		9. A.P.I. Number 30-045-30644	
14. Distance in Miles from Nearest Town 1/2 block from Farmington City Limits		10. Field, Pool, or Wildcat Fulcher Kutz-Pictured Cliffs	
12. County San Juan		11. Section, Township, & Range, Meridian, or Block P-07-29N-12W	
13. State New Mexico		15. Distance from Proposed Location To Nearest Property Line or Lease Line. 821'	
16. Acres in Lease		17. Acres Assigned to Well 161.00 SE/4	
18. Distance From Proposed Location To Nearest Well Dr, Compl., Or Applied For On Lease. 105' P&A well		19. Proposed Depth 1900'	
20. Rotary or Cable Tools Rotary		21. Elevations (DF, RT, GR, Etc.) 5597' GR	
22. Approximate Date Work Will Start. 2001		23. Proposed Casing and Cementing Program:	

Exhibits attached as follows:

"A" Location and Elevation Plat
"B" Vicinity Map - Access Roads
"C" Ten-Point Compliance Program
"D" Multi-Point Requirements for APD
"E" Blowout Preventer Schematic

"F" Location Profile
"G" Drill Rig Layout
"H" Completion Rig Layout
"I" Production Facility Schematic

24. Signed AR Kendrick Title _____ Agent _____ Date 04/16/01

Permit No. _____ Approval Date 5/9/01

Approved By As Lee Otterl Title _____ Date _____

NOTE: THIS FORMAT IS ISSUED IN LIEU OF U.S. BLM FORM 3160-3.

HOLD C100 FOR Change in status for McIlroy #1

NMOCH

State of New Mexico
Energy, Minerals & Mining Resources Department

Form C - 102

OIL CONSERVATION DIVISION

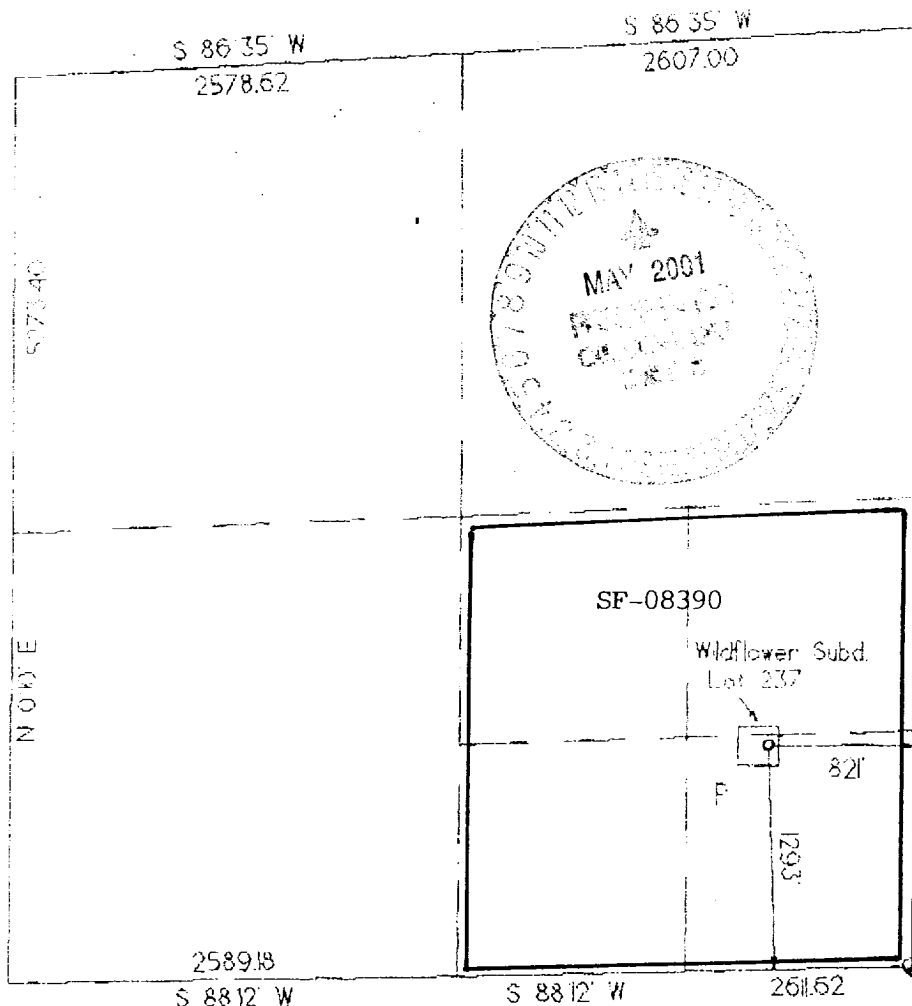
2040 South Pacheco 2001 APR 13 PM 1:28
Santa Fe, NM 87505

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

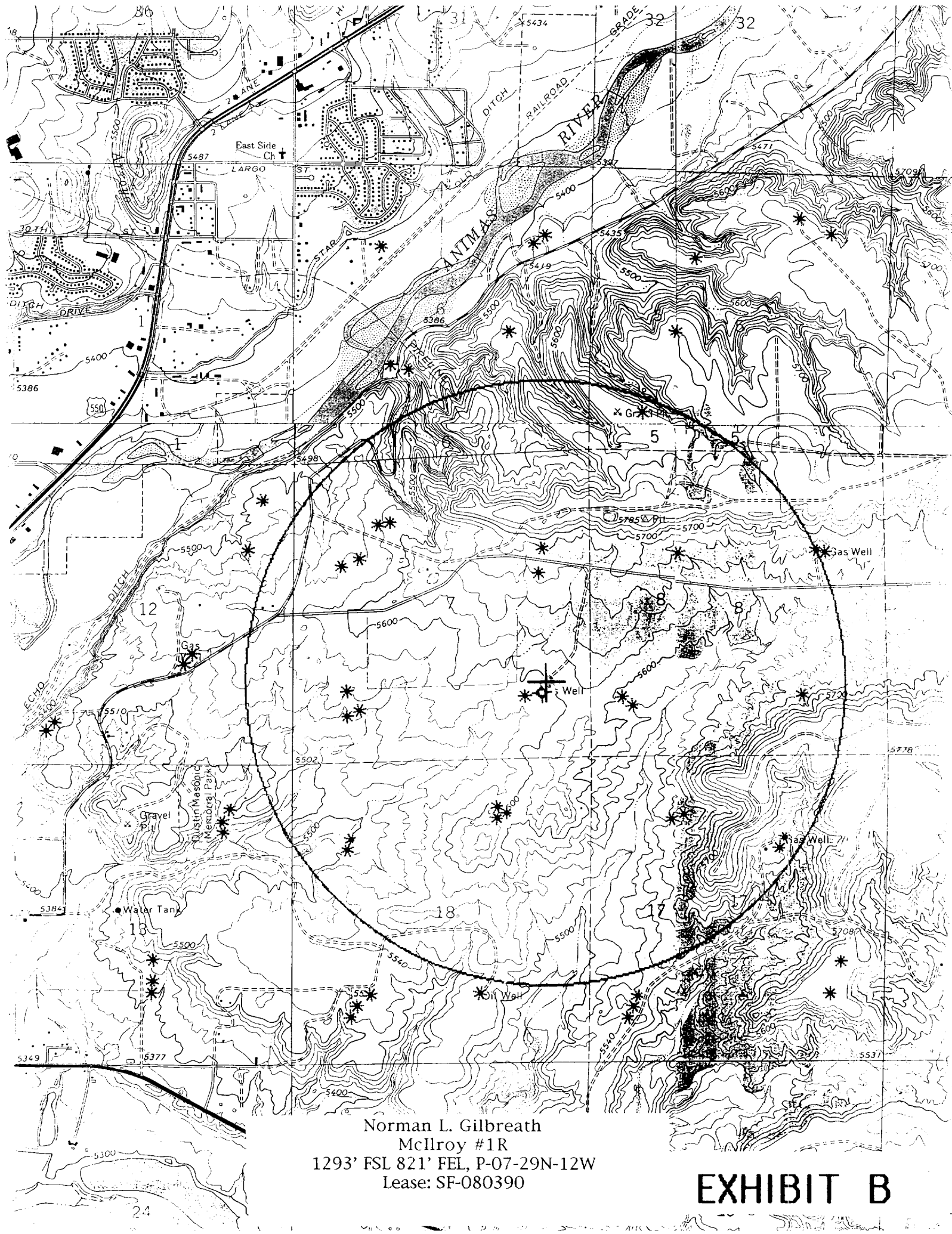
APA Number 30-045-30644		Pool Code 77200		Pool Name Fulcher Kutz-Pictured Cliffs	
Property Code 004664		Property Name MC LROY			Well Number 1R
OGARD No. 15991		Operator Name NORMAN L. GILBREATH			Elevation 5597'
Surface Location					
UL or Lot P	Sec. 7	Twp. 29 N.	Rge. 12 W.	Lot Idn. 	Feet from > North/South 1293 SOUTH
				Feet from > 821	East/West EAST
County SAN JUAN					
Bottom Hole Location if Different From Surface					
UL or Lot 	Sec. 	Twp. 	Rge. 	Lot Idn. 	Feet from > North/South
				Feet from > 	East/West
County 					
Dedication 161.00 SE	Joint ? N	Consolidation 		Order No. 	

NO ALLOWABLE WILL ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION



OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief. Signature: <i>A. R. Kendrick</i> Printed Name: A. R. Kendrick Title: Agent Date: 04/16/01	
SURVEYOR CERTIFICATION I hereby certify that the well location 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. Date of Survey: 23 MARCH 2000 Signature and Seal: <i>[Signature]</i> Professional Surveyor: GERALD H. HEDDLESTON New Mexico: 6844	

EXHIBIT A



Norman L. Gilbreath
McIlroy #1R
1293' FSL 821' FEL, P-07-29N-12W
Lease: SF-080390

EXHIBIT B

TEN-POINT PROGRAM
Norman L. Gilbreath
McIlroy #1R
1293' FSL 821' FEL, P-07-29N-12W
San Juan County, New Mexico
Lease No. SF-080390

1. THE GEOLOGICAL SURFACE FORMATION IS: Nacimiento.
2. THE TOPS OF IMPORTANT GEOLOGICAL MARKERS: (BASED ON EXISTING LOG INFORMATION)

Kirtland	303'
Fruitland	1280'
Pictured Cliffs	1570'
Total Depth	1900' —

3. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS:

<u>SUBSTANCE</u>	<u>FORMATION</u>	<u>ANTICIPATED DEPTH</u>
Gas	Pictured Cliffs	1570'

4. THE CASING PROGRAM:

<u>DEPTH</u>	<u>HOLE SIZE</u>	<u>CASING O.D.</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>TYPE</u>	<u>NEW/USED</u>
340' 0-150'	8-3/4"	7"	20#	J-55	ST&C	NEW
0- TD	6-1/4"	4-1/2"	10.5#	J-55	ST&C	NEW

PROPOSED CEMENT PROGRAM: To effectively isolate and seal off all water, oil gas and coal-bearing strata encountered by the utilization of spacers, centralizers and swirling centralizers at the base of the Ojo Alamo formation as specified by NTL-FRA 90-1 III.B and API standards; and by using cement volumes as follows: (Exact volumes to be determined from logs.)

SURFACE: 50 Cu Ft (50 Sx) Class B w/0.25# Flocele/Sx plus 2% CaCl (100% Excess). *circulate*

PRODUCTION: 293 Cu Ft (248 Sx) Standard w/additives by cementer, being 50% excess. *circulate to at least 100' of overlap in surface seq.*

5. OPERATOR'S MINIMUM SPECIFICATIONS FOR PRESSURE CONTROL:

Exhibit E is a schematic of the blowout preventer used by the contractor for other wells in the area.

The BOP to be used is an Annular BOP with screwed connections with high-pressure inlet and outlet hoses, all tested to 2000 psi minimum.

TEN-POINT PROGRAM
Norman L. Gilbreath
McIlroy #1R
1293' FSL 821' FEL, P-07-29N-12W
San Juan County, New Mexico
Lease No. SF-080390

6. THE TYPE AND CHARACTERISTICS OF THE PROPOSED CIRCULATING MUDS:

SURFACE CASING: Spun flocculating bentonite with lime.
PRODUCTION CASING: Low solids non-disbursing system.

<u>INTERVAL</u>	<u>MUD WEIGHT</u>	<u>VISCOSITY</u>	<u>FLUID LOSS</u>	<u>pH</u>	<u>ADDITIVES</u>
0-150'	9.0	45	- - -	9	Gel, Lime
150-TD	8.6 to 9.2	30-50	<15 cc	9	Chemicals as needed

7. AUXILIARY EQUIPMENT TO BE USED IS AS FOLLOWS:

- a. Float valve above bit.
- b. Monitoring of mud system will be visual.
- c. A safety valve and subs to fit all drill strings will be used.

8. TESTING, LOGGING, AND CORING WILL BE AS FOLLOWS:

- a. Cores: none.
- b. Drill stem tests: none anticipated.
- c. Gamma Ray/Neutron for perforation control.

9. ANTICIPATED ABNORMAL PRESSURES AND TEMPERATURES:

No abnormal pressures, temperatures or Hydrogen Sulfide gases are anticipated during the completion of this well. The maximum bottom hole pressure is expected to be less than 500 psi.

10. ANTICIPATED STARTING DATE AND DURATION OF OPERATIONS:

The anticipated starting date is Summer, 2001. The drilling operations should be completed within 15 days after rig-up date. Completion will be done when equipment is available and weather permits.

"2M" BLOWOUT PREVENTER SYSTEM

