

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

200 MAY 11 11 7:47

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input type="checkbox"/> DRILL <input checked="" type="checkbox"/> REENTER		5. Lease Serial No. SF-078463
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name
2. Name of Operator Greystone Energy, Inc.		7. If Unit or CA Agreement, Name and No.
3A. Address c/o Walsh Engineering 7415 E. Main St, Farmington, NM 87402		8. Lease Name and Well No. McClintock #1
3b. Phone No. (include area code) (505) 327-4892		9. API Well No. 30-045-25926
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface 1110' FSL and 875' FEL At proposed prod. Zone		10. Field and Pool, or Exploratory Basin Fruitland Coal
14. Distance in miles and direction from nearest town or post office* 7 miles north of Farmington, NM		11. Sec., T., R., M., or Blk. and Survey or Area Sec. 34, T31N, R13W
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 875'	16. No. of Acres in lease 449.25	17. Spacing Unit dedicated to this well E/2 - 320 acres
18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. 2250'	19. Proposed Depth 2163'	20. BLM/BIA Bond No. on file
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5877' GR	22. Approximate date work will start* 12/99	23. Estimated duration 1 wk drilling; 2wks comp.

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature <i>Paul C. Thompson</i>	Name (Printed/Typed) Paul C. Thompson, P.E.	Date 5/10/00
Title Agent		
Approved by (Signature)	Name (Printed/Typed)	Date 5/17/00
Title Office		

Application approval 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.

Conditions of approval, if any, are attached.

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)

This action is subject to technical and procedural review pursuant to 43 CFR 3106.3 and appeal pursuant to 43 CFR 3106.4.

Admin order
NSL 4380 for Fruitland
coal
oik RA

NMOCD


DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS"

Re Entry of
an old
well for A.

McClintock #1
1110' FSL and 875' FEL
Section 34, T31N, R13W

Greystone Energy re-entered the P&A'd Langendorf #2 well on 12/16/99. All construction activities were contained on the original Langendorf #2 well pad. The cement plugs were drilled out and the wellbore was completed in the Basin Fruitland Coal formation starting on 3/2/00. The connection to Greystone's gathering system was made on the west side of the existing wellpad.

As there was no new area of disturbance for the road, pad, or pipeline, there is no cut and fill diagram or pipeline plat included with this APD.


Paul C. Thompson, P.E.

District I
PO Box 1988, Hobbs, NM 88241-1988
District II
PO Drawer DD, Artesia, NM 88211-4719
District III
1000 Rio Bravo 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 10, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-045-25926		Pool Code 71629	BASIN FRUITLAND COAL	
Property Code 25128	Property Name McClintock		Well Number #1	
OGRID No. 173252	Operator Name Greystone Energy, Inc.		Elevation 5632'	

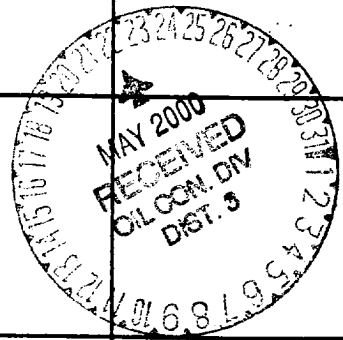
10 Surface Location

UL or lot no. P	Section 34	Township 31N	Range 13W	Lot Ida	Feet from the 1110	North/South line South	Feet from the 875	East/West line East	County SJ
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11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres 320		Joint or Infill N		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

<div>16</div> 				17 OPERATOR CERTIFICATION	
				I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief	
				Signature Paul C. Thompson	
				Printed Name Agent	
					Title 5/10/00
					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.
					2/26/84
					Date of Survey
					Signature and Seal of Professional Surveyor:
					ORIGINAL ON FILE
					Certificate Number

NSL 4380

GREYSTONE ENERGY, INC.
OPERATIONS PLAN
McClintock #1
(Re-entry of Langendorf #2)

I. Location: 1110' FSL & 875' FEL Date: May 8, 2000
 Sec 34, T31N R13W
 San Juan County, NM

Field: Basin Fruitland Coal Elev: GL 5632'
Surface: Fee
Minerals: NM - 078463

II. Geology: Surface formation _ Nacimiento

<u>A. Formation Tops</u>	<u>Depths</u>
Ojo Alamo	1284'
Fruitland	1496'
Pictured Cliffs	2137'
Total Depth	2163'

Estimated depths of anticipated water, oil, gas, and other mineral bearing formations which are expected to be encountered:

Water and gas - 1496'.

B. Logging Program: Induction/GR and density logs were run during the original completion.

C. No over pressured zones are expected in this well. No H₂S zones will be penetrated in this well. Max. BHP = 500 psig.

III. Drilling

A. Contractor:

B. Mud Program:

The surface and production casing are already set. The cement plugs will be drilled with water and polymer.

C. Minimum Blowout Control Specifications:

Double ram type or annular type 2000 psi working pressure BOP with a rotating head. See the attached exhibits (#1 through #3) for details on the BOP equipment. All ram type preventers and related equipment will be hydraulically tested at nipple-up and after any use under pressure to 1000 psi.

C. Cont.

The blind rams will be hydraulically activated and checked for operational readiness each time pipe is pulled out of the hole. All checks of the BOP stack and equipment will be noted on the daily drilling report. The BOP equipment will include a kelly cock, floor safety valve, and choke manifold all rated to 2000 psi.

IV. Materials

A. Casing Program:

Hole Size	Depth	Casing Size	Wt. & Grade
12-1/4"	166'	8-5/8"	24# K-55
6-1/4"	2155'	4-1/2"	10.5# J-55

B. Float Equipment:

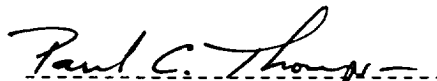
a) Surface Casing: None

b) Production Casing: 4-1/2" cement guide shoe and self fill insert float collar.

V. Cementing:

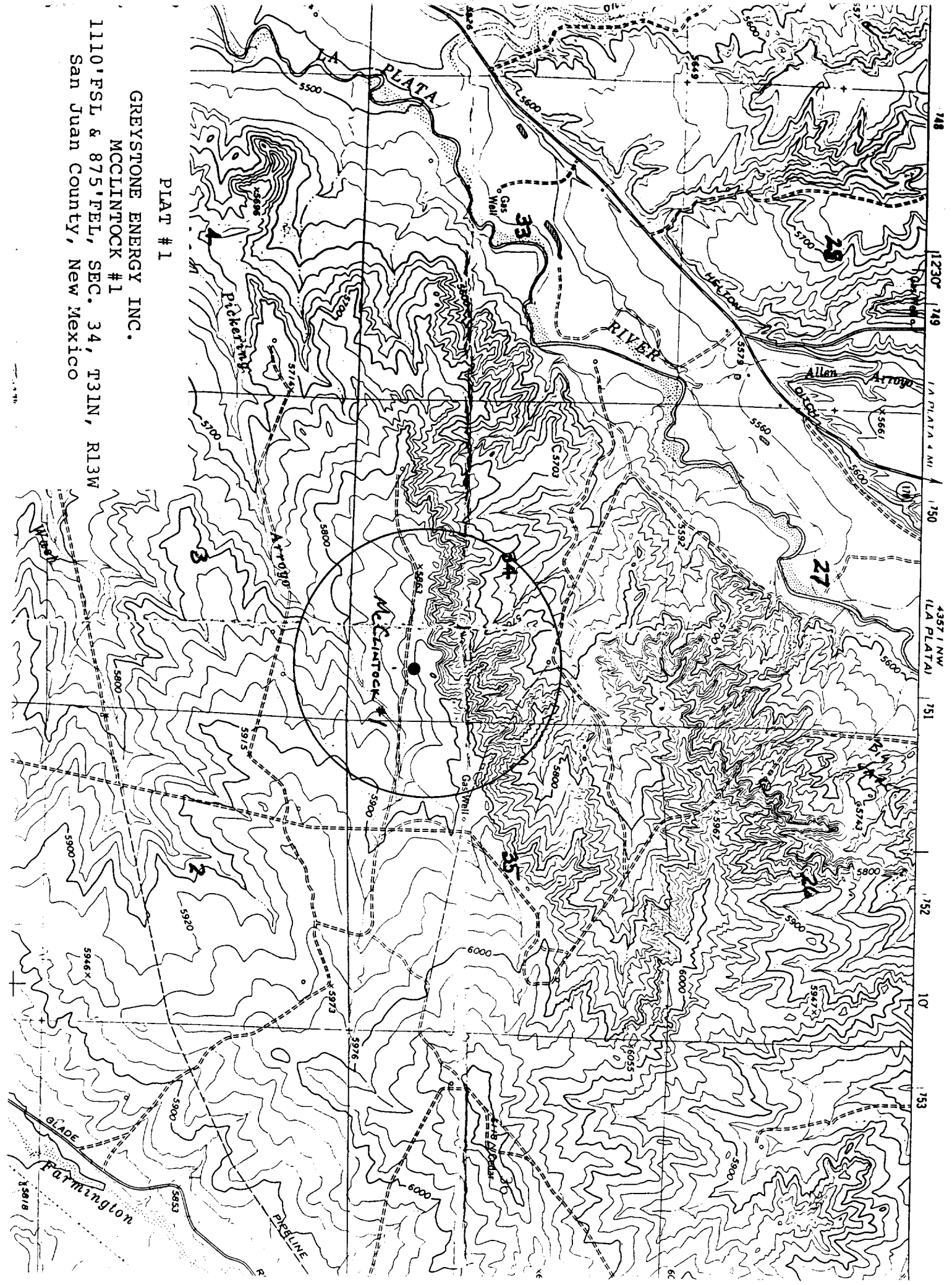
Surface casing: 8-5/8" - Use 160 sx (190 cu. ft.) of Cl "B" with 2% CaCl₂ and ¼ #/sk. celloflake. (Yield = 1.19 cu. ft./sk; slurry weight = 15.6 PPG). Circulated 10 bbls of cement to surface. Pressure test surface casing to 1000 psi for 30 min.

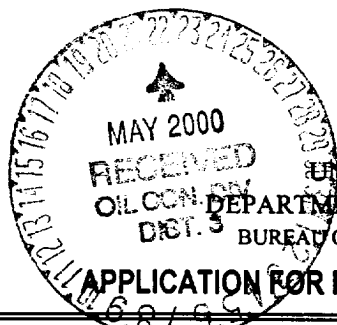
Production Casing: 4-1/2" - Before cementing circulate hole with at least 1-1/2 hole volumes of mud. Precede cement with 30 bbls of fresh water. Lead with 231 cu.ft of Cl "B" 65/35 poz with 6% gel, and ¼#/sk. celloflake. Tail with 144 cu.ft. of Cl "B" 50/50 poz with 2% gel, and ¼#/sk. celloflake. Total cement volume is 375 cu.ft. Circulated 8 bbls. Of cement to surface.


Paul C. Thompson, P.E.

GREYSTONE ENERGY INC.
MCCCLINTOCK #1
1110' FSL & 875' FEL, SEC. 34, T31N, R13W
San Juan County, New Mexico

PLAT #1





UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

200 MAY 11 AM 7:47

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

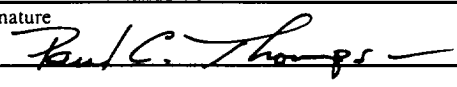
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2. Name of Operator Greystone Energy, Inc.		7. If Unit or CA Agreement, Name and No.
3A. Address c/o Walsh Engineering 7415 E. Main St, Farmington, NM 87402		8. Lease Name and Well No. McClintock #1
3b. Phone No. (include area code) (505) 327-4892		9. API Well No. 30-045-2592-6
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25. Signature 	Name (Printed/Typed) Paul C. Thompson, P.E.	Date 5/10/00
Title Agent		
Approved by (Signature)	Name (Printed/Typed)	Date 5/17/00
Title		Office

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*(Instructions on reverse)

This action is subject to technical and procedural review pursuant to 43 CFR 3100.3 and 43 CFR 3105.4.

**DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".**

OK
JH

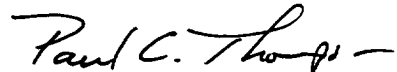
NMOCD

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McClintock #1
1110' FSL and 875' FEL
Section 34, T31N, R13W

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OIL CONSERVATION DIVISION
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API Number 30-045-25926		Pool Code 71629	Basin Fruitland Coal	
Property Code 25128	Property Name McClintock		Well Number #1	
OGRID No. 173252	Operator Name Greystone Energy, Inc.		Elevation 5632'	

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UL or lot no.	Section	Township	Range	Lot Ida	Feet from the	North/South Line	Feet from the	East/West Line	County
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12 Dedication Acres 320	13 Joint or Infill N	14 Consolidation Code	15 Order No.
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NSL 4380

GREYSTONE ENERGY, INC.
OPERATIONS PLAN
McClintock #1
(Re-entry of Langendorf #2)

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 Sec 34, T31N R13W
 San Juan County, NM

Field: Basin Fruitland Coal Elev: GL 5632'
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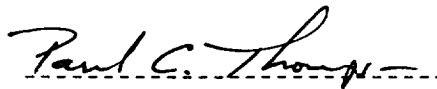
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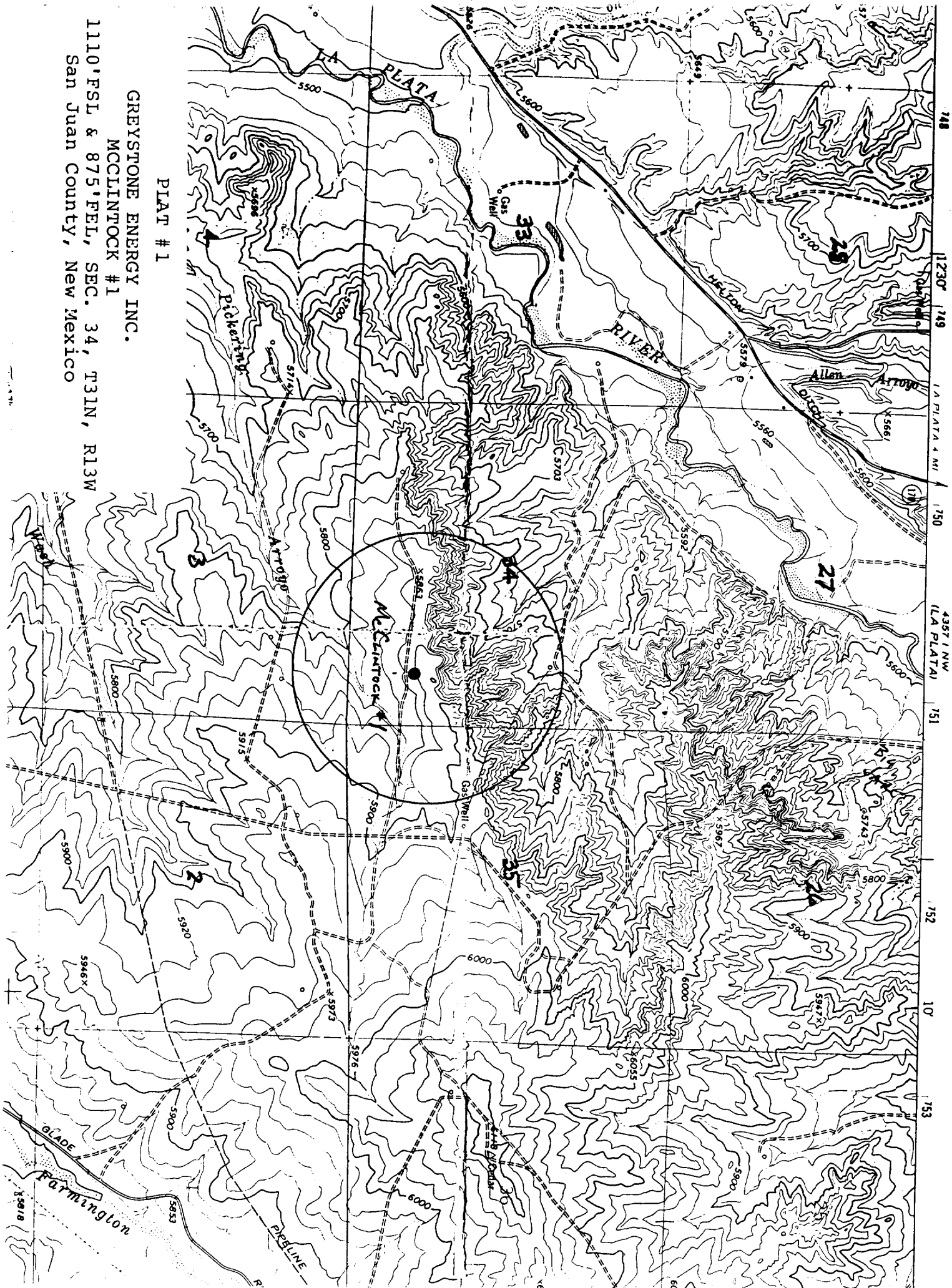
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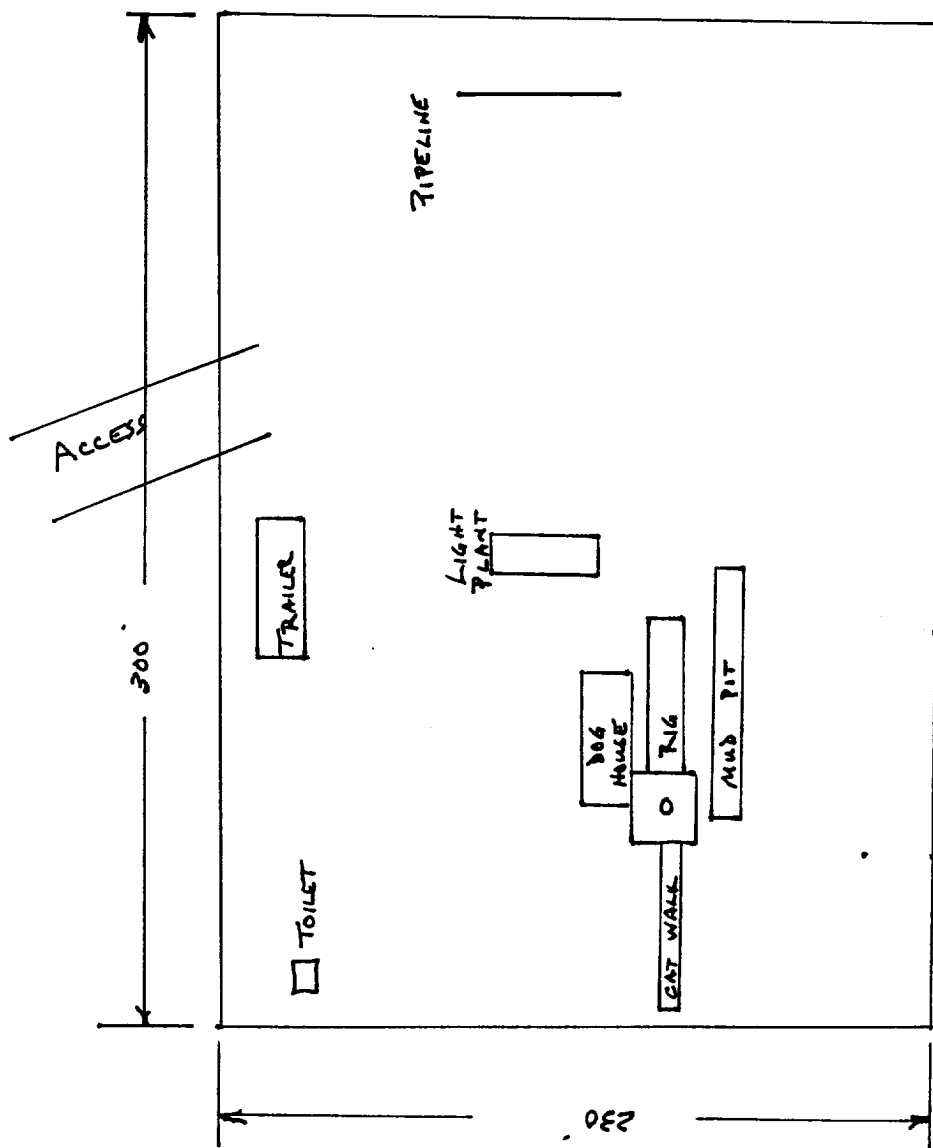
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GREYSTONE ENERGY INC.
MCCLINTOCK #1
1110' FSL & 875' FEL, SEC. 34, T31N, R13W
San Juan County, New Mexico

PLAT #1





PLAT #2

GREYSTONE ENERGY, INC.
 1110'FSL & 875'FEL, Sec. 34, T31N, R13W
 MCCLINTOCK #1
 San Juan County, New Mexico