

UNITED STATES  
DEPARTMENT OF THE INTERIOR

SUBMIT IN TRIPLICATE\*  
(Other instructions on  
reverse side)

FORM APPROVED  
OMB NO. 1004-0136  
Expires: February 28, 1995

BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK <b>DRILL</b> <input checked="" type="checkbox"/> <b>DEEPEN</b> <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. <b>USA SF 078464</b>		
b. TYPE OF WELL OIL <input type="checkbox"/> GAS <input type="checkbox"/> SINGLE <input type="checkbox"/> MULTIPLE <input type="checkbox"/> WELL <input type="checkbox"/> WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> ZONE <input checked="" type="checkbox"/> ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME		
2. NAME OF OPERATOR <b>GREYSTONE ENERGY, INC.</b> <i>173252</i>			7. UNIT AGREEMENT NAME <i>25671</i>		
3. ADDRESS AND TELEPHONE NO. <b>5802 HIGHWAY 64, FARMINGTON, NEW MEXICO 87401</b>			8. FARM OR LEASE NAME, WELL NO. <b>COGBURN #1</b>		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface <b>1054' FNL &amp; 1188' FEL. 'JL "A"</b>			9. API WELL NO. <i>30-045-30218</i>		
At proposed prod. zone <b>Same (Straight Hole)</b>			10. FIELD AND POOL, OR WILDCAT <b>BASIN FRUITLAND COAL</b>		
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* <b>3 MILES S/E OF LA PLATA POST OFFICE, NEW MEXICO</b>			11. SEC., T., R. OR BLK. <b>A S25, T31N, R13W</b>		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) <b>612' SE</b>		16. NO. OF ACRES IN LEASE <b>320+</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>320 - EAST 1/2</b>		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. <b>5815' GR</b>		19. PROPOSED DEPTH <b>2190'</b>	20. ROTARY OR CABLE TOOLS <b>ROTARY</b> <b>DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"</b> <b>02/25/2000</b>		
21. ELEVATIONS (Show whether DE, RT, GR, etc.) <b>5815' GR</b>					
23. PROPOSED CASING AND CEMENTING PROGRAM					
SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	
12-1/4"	8-5/8" J55	24#	0 - 145'	190 ft3 CLASS G + 2% CACL 2	
7-7/8"	5-1/2" K55	17#	0 - 2190'	600 ft3 - RFC (TAIL) & G + 12% GEL (LEAD)	

1. A notice of staking form was delivered 11/29/99 to the BLM Farmington Resources Area office.
2. Greystone Energy proposes to spud this well with a 12-1/4" hole and drill to 145' where 8-5/8", 24#, J55 surface casing will be set and cemented to surface. After WOC for 12 hrs, the BOP's will be installed and tested. The 7-7/8" hole will be drilled to TD of approximately 2190' with low weight (9-10 ppg) water based mud. The well will be electric logged with a density tool and 5.50", 15.5# K55 csg. with approximately 600 ft3 of cement. The Basin Fruitland Coal interval will then be fracture stimulated through perforations at approximately 2070 - 2085' with approximately 100,000# of 12/20 sand, swab or flow test to clean up and put on conventional beam lift with a pump, rods and pumping unit.
3. A copy of the archaeological inventory report is enclosed.
4. Attached is a plat of the proposed pipeline route and tie-in to Greystone's existing gas gathering facilities.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Kay S. Christen* TITLE **PRODUCTION TECHNICIAN** DATE **1/21/00**  
(This space for Federal or State Office use)

PERMIT NO. \_\_\_\_\_ APPROVAL DATE \_\_\_\_\_  
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.  
APPROVED BY */s/ Charlie Beecham* TITLE \_\_\_\_\_ DATE \_\_\_\_\_

\*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes 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.

DISTRICT I  
P.O. Box 1980, Hobbs, N.M. 88241-1980

DISTRICT II  
P.O. Drawer DD, Artesia, N.M. 88211-0719

DISTRICT III  
1000 Rio Brazos Rd., Aztec, N.M. 87410

DISTRICT IV  
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico  
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

P.O. 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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-045-30218		<sup>2</sup> Pool Code	<sup>3</sup> Pool Name
<sup>4</sup> Property Code 25671	<sup>5</sup> Property Name COGBURN		<sup>6</sup> Well Number 1
<sup>7</sup> OGRID No. 173252	<sup>8</sup> Operator Name GREYSTONE ENERGY, INC.		<sup>9</sup> Elevation 5815'

<sup>10</sup> Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	25	31-N	13-W		1054	NORTH	1188	EAST	SAN JUAN

<sup>11</sup> 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

<sup>12</sup> Dedicated Acres	<sup>13</sup> Joint or Infill	<sup>14</sup> Consolidation Code	<sup>15</sup> Order No.
5.00			

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

16	FD. BLM BC. 1952	N 88-36-56 E 2595.11' (M)	FD. BLM BC. 1991	17
	<b>OPERATOR CERTIFICATION</b> I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.  Signature <u>Brian D. Voigt</u> Printed Name <u>Brian D. Voigt</u> Title <u>VP</u> Date <u>1/17/00</u>			
18	FD. BLM BC. 1951			19
	<b>SURVEYOR CERTIFICATION</b> 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.  Date of Survey <u>11-19-99</u> Signature and Seal of Professional Surveyor: <u>[Signature]</u> 8894 Certificate Number			

5241.47' (M)  
1054'  
1188'

RECEIVED  
OIL CON. DIV  
DIST. 3  
APR 2000

NEW MEXICO  
PROFESSIONAL LAND SURVEYOR  
8894

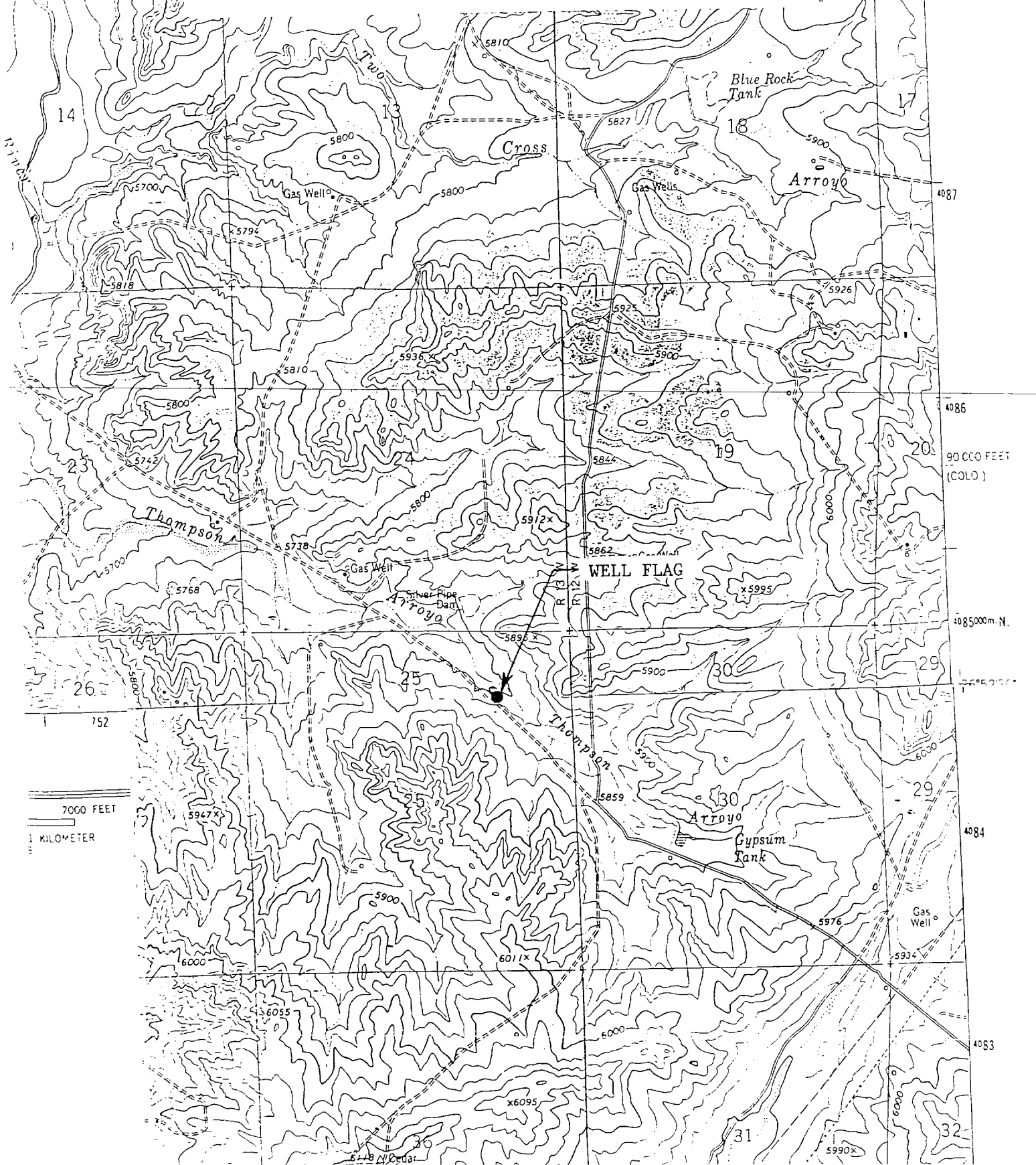
# G. EYSTONE ENERGY, INC

## COGBURN No. 1

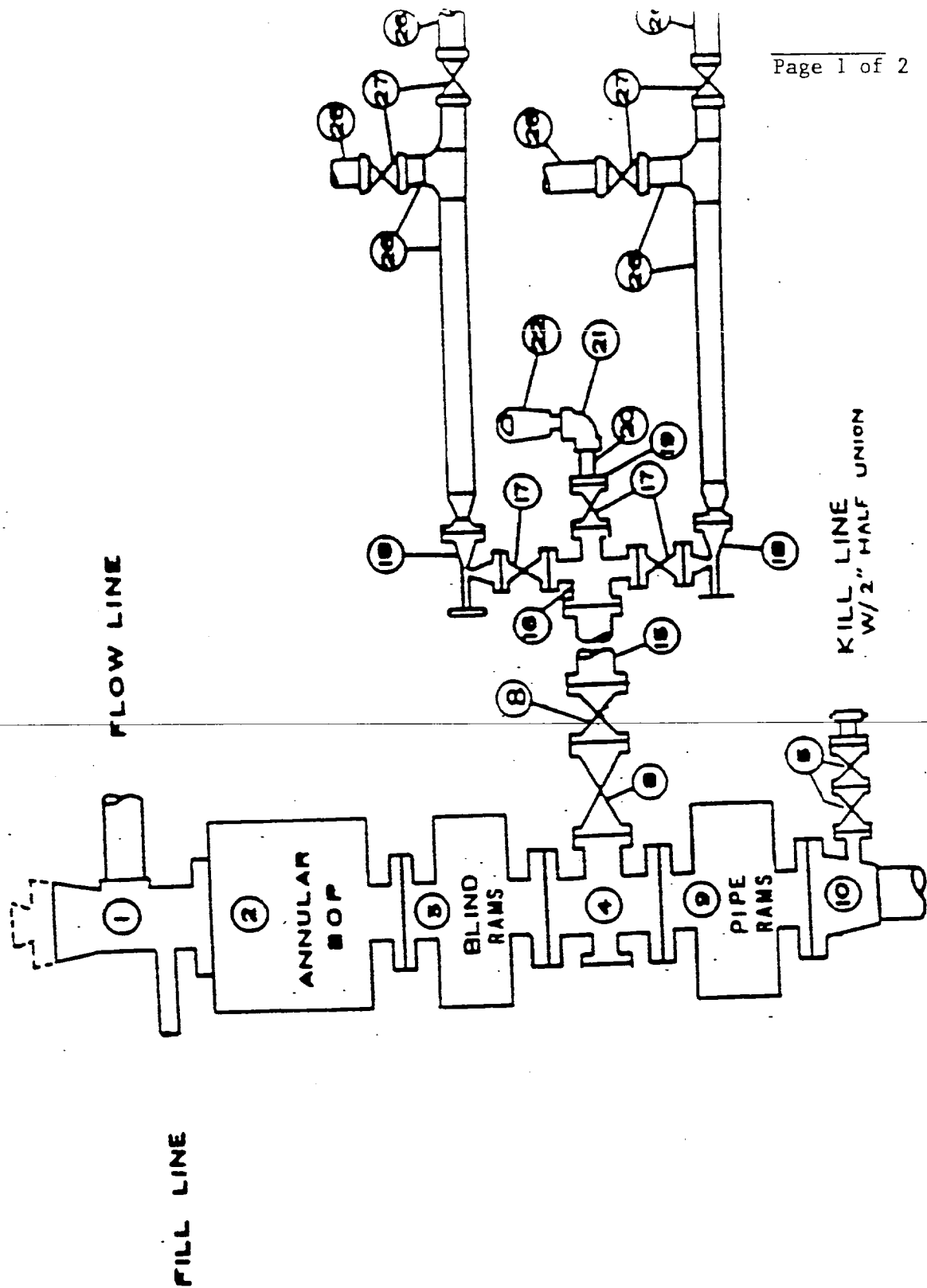
NE/4 SEC. 25, T-31-N, R-13-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

1054' FNL 1188' FEL



TYPE 2-BLOWOUT PREVENTER SPECIFICATIONS  
3M @ 5M WORKING PRESSURE



# **BLOWOUT PREVENTER SPECIFICATION** **EQUIPMENT DESCRIPTION**

## **TYPE 2** **3,000 AND 5,000 PSI WORKING PRESSURE**

All equipment shall be at least minimum stack WP or higher unless otherwise specified.

1. Bell nipple or rotating head.
2. Hydril or Shaffer and Cameron Annular bag type preventer.
3. Ram type pressure operated blowout preventer with blind rams.
4. Flanged spool with one 4-inch and one 2-inch (minimum) outlet.
5. 2-inch (minimum) flanged plug or gate valve.
- 6.
- 7.
8. 4-inch flanged gate or plug valve.
9. Ram type pressure operated blowout preventer with pipe rams.
10. Flanged type casing head with one side outlet (furnished by operator).
- 11.
- 12.
- 13.
- 14.
15. 4-inch flanged spacer spool.
16. 4-inch by 2-inch by 2-inch by 2-inch flanged cross.
17. 2-inch flanged plug or gate valve.
18. 2-inch flanged adjustable choke.
19. 2-inch threaded flange.
20. 2-inch XXH nipple.
21. 2-inch forged steel 90° Ell.
22. Cameron (or equal) threaded pressure gage.
- 23.
- 24.
- 25.
26. 2-1/2-inch pipe, 300' to pit, anchored.
27. 2-1/2-inch valve.
28. 2-1/2-inch line to steel pit or separator.

### **NOTES:**

1. Items 3, 4, and 9 may be replaced with double ram type preventer with side outlets between the rams.
2. The two valves next to the stack on kill line to be closed unless drill string is being pulled.
3. Kill line is for emergency use only. This connection shall not be used for filling.
4. Replacement pipe rams and blind rams shall be on location at all times.
5. Only type U, LWS, and ORC ram type preventers with secondary seals are acceptable for 5000 psi WP and higher BOP stacks.
6. Type E ram-type BOP's with factory modified side outlets may be used on 3000 psi or lower WP BOP stacks.
7. Kelly will be equipped with upper kelly cock valve. Safety valve (stabbing) and handles for kelly cock and safety valve will be on rig floor. Handling subs for each type of pipe will be located on rig floor.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT--" for such proposals.

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other	7. If Unit or CA, Agreement Designation
2. Name of Operator GREYSTONE ENERGY, INC.	8. Well Name and No. COGBURN #1
3. Address and Telephone No. 5802 HIGHWAY 64, FARMINGTON, NM 87401 Phone: (505) 632-8066	9. API Well No.
4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description) 1054' FNL & 1188' FEL - UL "A" SEC. 25, T31N, R13W	10. Field and Pool, Or Exploratory Area BASIN FRUITLAND COAL
	11. County or Parish, State SAN JUAN, NM

12. CHECK APPROPRIATE BOX(s) 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"/> Abandonment
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back
	<input type="checkbox"/> Casing Repair
	<input type="checkbox"/> Altering Casing
	<input type="checkbox"/> Other _____
	<input checked="" type="checkbox"/> Change of Plans
	<input checked="" type="checkbox"/> New Construction
	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Conversion to Injection
	<input type="checkbox"/> Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

The cementing program for the long string is changed as follows:

Pump 140 sx Lead Class B+3% D79 (silicate extender) + 5# sx D42 (Kolite) + 1/4# sk D29 (Celloflake)

Mixed @ 11.4 ppg. Yield = 7.89 cu ft/sk.

Pump 150 sx Tail RFC mixed @ 14.2 ppg. Yield = 1.61 cu ft/sk.

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

Signed Ray E. Ekester Title PRODUCTION TECHNICIAN Date February 21, 1988

(This space for Federal or State office use)

Approved by /s/ Charlie Beecham Title \_\_\_\_\_ Date APR - 5 2000

Conditions of Approval, if any:

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

\*See Instruction on Reverse Side