

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  7. UNIT AGREEMENT NAME <b>25672</b>		
2. NAME OF OPERATOR <b>GREYSTONE ENERGY, INC.</b>			8. FARM OR LEASE NAME, WELL NO. <b>BIG JAKE #1</b>		
3. ADDRESS AND TELEPHONE NO. <b>5802 HIGHWAY 64, FARMINGTON, NEW MEXICO 87401</b>			9. API WELL NO. <b>30-045-30050</b>		
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) At surface <b>1770' FSL &amp; 800' FWL - UL "L"</b> 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>4 MILES SOUTH OF LA PLATA POST OFFICE, NEW MEXICO</b>			11. SEC., T., R. OR BLK. AND SURVEY OR AREA <b>S26, T31N, R13W</b>		
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT (Also to nearest drilg. unit line, if any) <b>126' SOUTH</b>		16. NO. OF ACRES IN LEASE <b>320+</b>	17. NO. OF ACRES ASSIGNED TO THIS WELL <b>320 - WEST 1/2 331.77</b>		
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON <b>This section is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4.</b>		19. PROPOSED DEPTH <b>2095'</b>	20. ROTARY OR CABLE TOOLS <b>ROTARY</b> <b>DRILLING OPERATIONS AUTHORIZED ARE SUBJECT TO COMPLIANCE WITH ATTACHED "GENERAL REQUIREMENTS"</b>		
21. ELEVATIONS (Show vertical datum) <b>5781' GR</b>			APPROX. DATE WORK WILL START <b>02/25/2000</b>		

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 - 2095'	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 2095' 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 1975 - 1990' 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. Eckert 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.

chse

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

*API Number 30-045-30050		*Pool Code	*Pool Name
*Property Code 25672	*Property Name BIG JAKE		*Well Number 1
*OGRID No. 173252	*Operator Name GREYSTONE ENERGY, INC.,		*Elevation 5781'

<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
L	26	31-N	13-W		1770	SOUTH	800	WEST	SAN JUAN

<sup>11</sup> Bottom Hole Location If Different From Surface

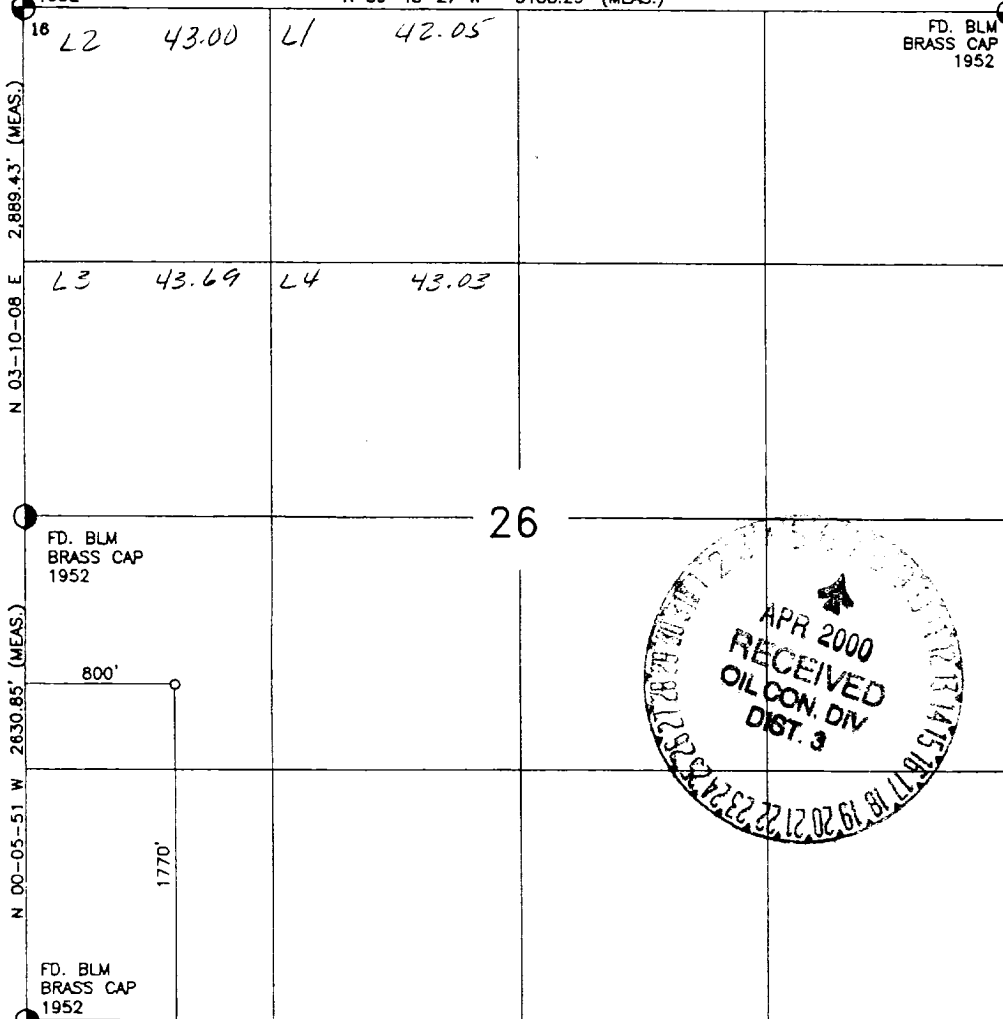
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County

*Dedicated Acres	*Joint or Infill	*Consolidation Code	*Order No.
331.77			

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

FD. BLM  
BRASS CAP  
1952

N 89-48-27 W 5188.29' (MEAS.)



17 OPERATOR CERTIFICATION

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

Chester L. Deal  
Signature  
Chester L. Deal  
Printed Name  
Superintendent  
Title  
1-21-2000  
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.

1-6  
Date of Survey  
[Signature]  
Signature and Seal of Professionally Surveyor:  
8894  
Certificate Number

GREYSTONE ENERGY INC.

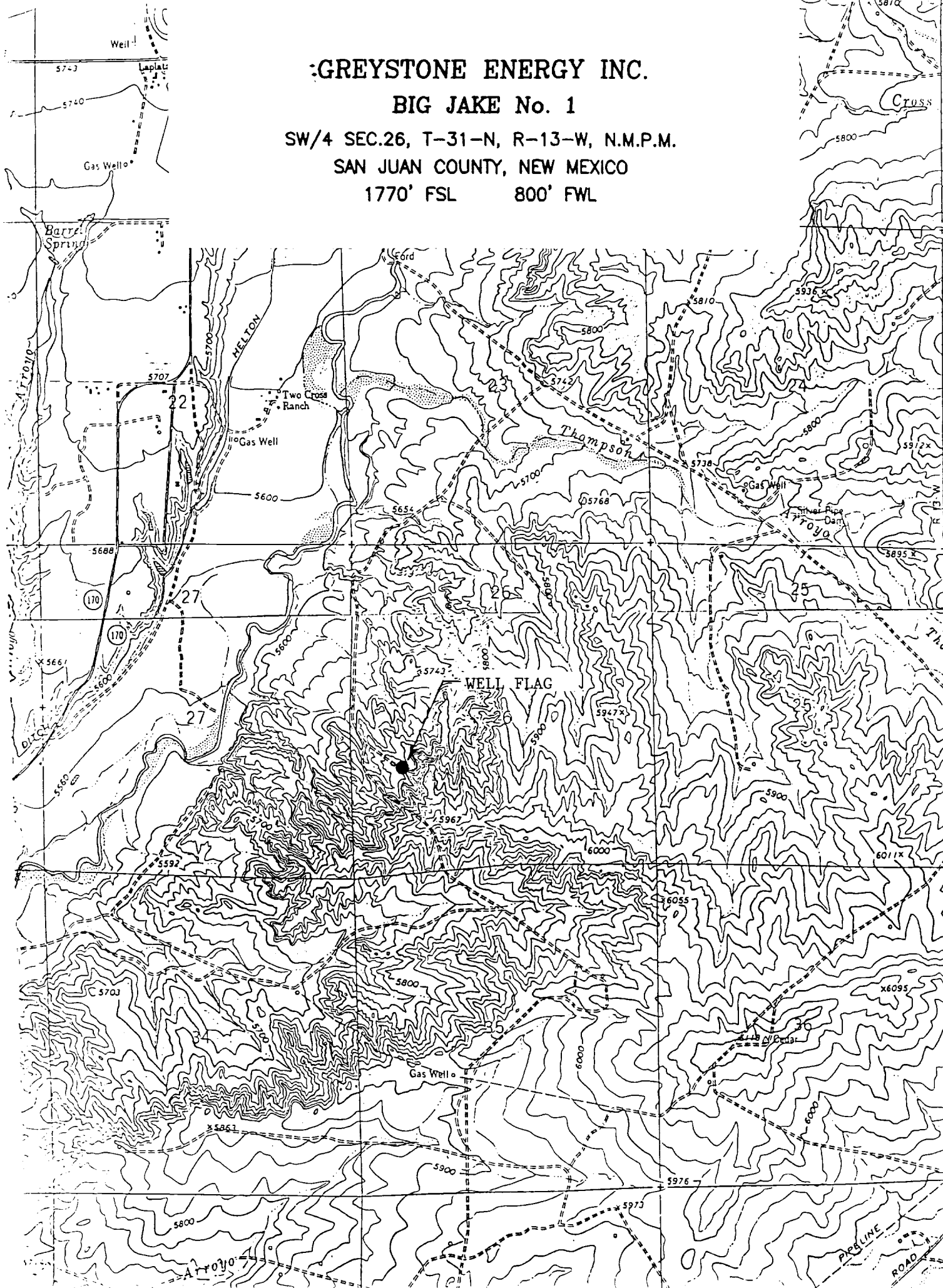
BIG JAKE No. 1

SW/4 SEC.26, T-31-N, R-13-W, N.M.P.M.

SAN JUAN COUNTY, NEW MEXICO

1770' FSL

800' FWL



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	5. Lease Designation and Serial No. USA SF 078464
2. Name of Operator GREYSTONE ENERGY, INC.	6. If Indian, Allottee or Tribe Name
3. Address and Telephone No. 5802 HIGHWAY 64, FARMINGTON, NM 87401 Phone (505) 625-8056	7. If Unit or CA, Agreement Designation
4. LOCATION OF WELL (Footage, Sec., T., R., M., or Survey Description) 1770' FSL & 800' FWL - UL "L" SEC. 26, T31N, R13W	8. Well Name and No. BIG JAKE #1
	9. API Well No.
	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 S. Ekstein 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

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

