

REQUEST FOR CHANGE OF OWNER
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS, FOUNTAIN SQ., BLDG. A, COLUMBUS OH 43224

1. Date of Application: 09-05-86		FORM 7: Revised 03/85	
2. Check Type of Request If Individual Transfer indicate API number: 34 08323561 ** 14 X If Multiple Transfer list all API numbers and complete data on back of form.			
3. I, We (Assignor/Transferor) GEO ENERGY INC. Owner# B-0000267, hereby request that records on file with the Division of Oil and Gas, Department of Natural Resources, State of Ohio, be amended to reflect the Change of Owner of the oil and/or gas well described in #7 through #18.		7. COUNTY: Knox	
4. Assignor Address & Telephone Number: 3530 Snouffer Road; Suite 100 Werthington, Ohio 43085 (614) 889-5454		8. CIVIL TOWNSHIP: Union	
5. Assignee/Transferee: BCP ENERGY, INC. Owner# C-0002529		9. WELL #: 1	
6. Assignee Address & Telephone Number: 644 Huntington Building Cleveland, Ohio 44115 (216) 263-0096		10. LEASE NAME: Travis	
		11. SECTION: 12. LOT:	
		13. FRACTION: 14. QTR TWP:	
		15. TRACT/ALLOT:	
		16. FOOTAGE:	
		17. STATUS: Producing Non-Producing	
		IF WELL HAS NOT BEEN SPUDDED, IT CANNOT BE TRANSFERRED	
		18. DATE OF ASSIGNMENT TO ASSIGNEE/TRANSFEE _____ 19 ____.	

THIS REQUEST MUST BE ACCOMPANIED BY A TRUE
COPY OF THE ASSIGNMENT OF LEASE OR THE
BILL OF SALE

ASSIGNOR/TRANSFEROR:

I, the undersigned, hereby agree to furnish any and all records and reports required by the Division of Oil and Gas for compliance with Chapter 1509, Ohio Revised Code, and all rules of that Division for the period ending on the date of assignment. Furthermore, I hereby depose and state that all holders of royalty interests that are affected by this assignment or transfer, will be properly notified in conformance with Section 1509.31 O. R. C. It is understood that my liabilities for this well will not be terminated until I comply with the above.

Donald Burns as (Signature of Assignor/Transferor) President of GEO ENERGY INC.
GEO ENERGY INC.

STATE OF OHIO COUNTY OF FRANKLIN: Donald Burns as President of GEO ENERGY INC. being first duly sworn by me, says that the information set forth herein is true and accurate.

SIGN TO AND SUBSCRIBED BEFORE ME THIS 5 DAY OF SEPTEMBER 1986
(SEAL) (Notary Public)

ASSIGNEE/TRANSFEE:

I, the undersigned, depose and state that I am the owner of aforementioned oil and/or gas well and that I have the right to appropriate the oil or gas that I produce therefrom either for myself or for others. I further depose and state that I shall comply with the assignor/transferor's Restoration Plan and Plan for Storage and Disposal of Brine and other Waste Substances or that I shall submit a new Restoration Plan and Plan for Storage and Disposal of Brine and other Waste Substances to be approved by the Division. Further it is understood that upon proper completion of this form, I will become the "owner" as defined under Chapter 1509, O. R. C. and must comply with all laws, rules and orders by the Chief.

David A. Bishop as (Signature of Assignee/Transferee) President of BCP ENERGY, INC.
BCP ENERGY, INC.

STATE OF OHIO COUNTY OF WAYNE: David A. Bishop as President of BCP ENERGY, INC. being first duly sworn by me, says that the information set forth herein is true and accurate.

SIGN TO AND SUBSCRIBED BEFORE ME THIS 5 DAY OF SEPTEMBER 1986
(SEAL) (Notary Public)

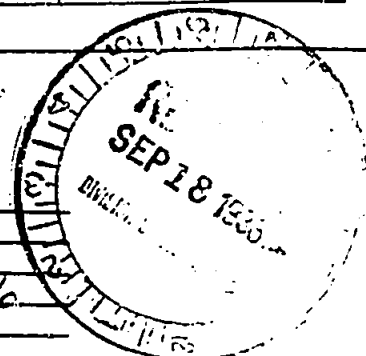
DIVISION USE ONLY

Assignee/Transferee is in compliance with:

- ☒ Certificate of Insurance
- ☒ Bond Requirements
- ☒ Geophysical Log
- ☒ Organization & Authorization Form
- ☐ Well Completion Record
- ☐ Statement of Production

Date
1-1-87
9-19-86
9-19-86

Trans. 9-22-86



C-2529

[illegible]

030009

3561

ASSIGNMENT OF OIL AND GAS LEASE
AND BILL OF SALE

Know All Men By These Presents: That GEO Energy Inc., an Ohio Corporation, 3530 Snouffer Road, Suite 100, Worthington, Ohio 43085, hereinafter referred to as the "Assignor and/or Grantor", for and in consideration of Ten Dollars (\$10.00) and other valuable consideration, receipt and sufficiency of which is hereby acknowledged, does hereby grant, bargain, sell, assign, transfer and convey unto BCP Energy, Inc., 644 Huntington Building, Cleveland, Ohio 44115, hereinafter referred to as "Assignee and/or Grantee", all right, title and interest of Assignor and Grantor in and to the following described oil and gas leases and the oil and/or gas well located thereon, situated in Sections 23N and 24N of Union Township, Knox County, Ohio, described further on the attached Exhibit "A".

To Have And To Hold the said oil and gas lease therein created with the appurtenances thereunto belonging, unto Assignee and Grantee, his successors, assigns and personal representatives, subject to all terms, covenants and conditions in the said oil and gas leases and any agreements supplemental thereto, together with the oil and/or gas wells located on the lease assigned hereby, the production thereof and all material therein, including appurtenant surface equipment, all free and clear of any liens whatsoever, except for taxes which shall be prorated between the parties hereto on a calendar year basis as of the effective date of this assignment and bill of sale.

For and in consideration of Ten Dollars (\$10.00) and other valuable consideration, receipt and sufficiency of which is hereby acknowledged, GEO Energy Inc. further assigns, sells and transfers to BCP Energy, Inc. all Surface Equipment, specifically ~~Tubular Goods~~ ^{and TANK BATTERY}, Pumpjack and all other appurtenances, ~~excepting the Wellhead Equipment to the Baer #3 Well.~~ ^{and TUBULARS} Said Well and Down Hole Equipment being presently owned by Albert Ferenbaugh, P.O. Box 523, Danville, Ohio 43014, as more fully described in an unrecorded Assignment from GEO Energy Inc. to Albert Ferenbaugh dated August 12, 1986.

The effective date of this assignment and bill of sale shall be the 9TH day of September, 1986.



In Witness Whereof, the Assignor and Grantor has caused its corporate name to be signed and its corporate seal, duly attested, to be affixed hereto by its proper corporate officers, this 5th day of September, 1986.

Attest:

[Signature]
Sheridan H. Harwin,

GEO ENERGY INC.

[Signature]
Donald Burns, President

STATE OF OHIO)
COUNTY OF FRANKLIN) ss:

The foregoing instrument was acknowledged before me this 5 day of September, 1986, by Donald Burns, President, of GEO Energy Inc., an Ohio Corporation, and acknowledged to me that he executed the same for the purposes and consideration therein expressed, and in the capacity stated and as the act and deed of said corporation.

Witness by hand and official seal.

DONALD R. SHEPARD, Notary Public
My Commission Expires May 11, 1990

[Signature]
Donald R. Shepard

Notary Public

THIS INSTRUMENT PREPARED BY:

Sheridan H. Harwin

Attorney at Law

644 Huntington Building

Cleveland, Ohio 44115



MAIL:
DAVID BISHOP
P.O. BOX 461
WOOSTER, O.

Baer Well No. 2

That certain Oil and Gas Lease from Albert Baer to Clover Oil Inc. as recorded by Instrument No. 09556, in Volume 85, Page 551-552, Knox County, Ohio. Said part being approximately 20 acres in Section 23 of Union Township, and as more fully described in the attached survey of which Permit No. 3416, State of Ohio, has been issued and the Clinton Well located thereon known as the Baer #2. And, as assigned from Clover Oil Inc. to GEO Energy Inc. in Volume 86, Page 495 of Knox County, Ohio Records. Said Assignment and Bill of Sale shall include all Surface and Down Hole Equipment including but not limited to Pumping Unit, Storage Tank, Separators, Meters, Tubular Goods, Wellhead Equipment and other appurtenances.

Baer Well No. 4

That certain Oil and Gas Lease from Albert Baer to Clover Oil Inc. as recorded by Instrument No. 11841, in Volume 85, Pages 1006-1007, Knox County, Ohio. Said part being approximately 22 of the 44 acres in Section 24N of Union Township, and as more fully described in the attached survey of which Permit No. 3496, State of Ohio, has been issued and the Clinton Well located thereon known as the Baer #4. And, as assigned from Clover Oil Inc. to GEO Energy Inc. in Volume 86, Page 808 of Knox County, Ohio Records. Said Assignment and Bill of Sale shall include all Surface and Down Hole Equipment including but not limited to Pumping Unit, Storage Tank, Separators, Meters, Tubular Goods, Wellhead Equipment and other appurtenances.

Baer Well No. 5

That certain Oil and Gas Lease from Albert Baer to Clover Oil Inc. as recorded by Instrument No. ⁰¹¹⁸⁴² ~~001842~~, in Volume 85, Pages 1008-1009, Knox County, Ohio. Said part being approximately 20 acres in Section 24N of Union Township, and as more fully described in the attached survey of which Permit No. 3529, State of Ohio, has been issued and the Clinton Well located thereon known as the Baer #5. And, as assigned from Clover Oil Inc. to GEO Energy Inc. in Volume 86, Page 808 of Knox County, Ohio Records. Said Assignment and Bill of Sale shall include all Surface and Down Hole Equipment including but not limited to Pumping Unit, Storage Tank, Separators, Meters, Tubular Goods, Wellhead Equipment and other appurtenances.



Mavis #1

030009

That certain Oil and Gas Lease from Harold J. & Genevieve K. Mavis to GEO Energy Inc. as recorded by Instrument No. 014787, in Volume 86, Pages 543-544, Knox County, Ohio. Said part being approximately 32 acres in Section 24N of Union Township, subject to an Assignment of approximately 12 acres assigned by GEO Energy to Albert Ferenbaugh, as recorded in Volume 88, Page 273, and as more fully described in the attached survey of which Permit No. 3561, State of Ohio, has been issued and the Clinton Well located thereon known as the Mavis #1. Said Assignment and Bill of Sale shall include all Surface and Down Hole Equipment including but not limited to Pumping Unit, Storage Tank, Separators, Meters, Tubular Goods, Wellhead Equipment and other appurtenances.

Sapp #1, #2

That certain Oil and Gas Lease from Robert J. and Helen R. Sapp to GEO Energy Inc. as recorded by Instrument No. 017138, in Volume 86, Pages 910-913, Knox County, Ohio. Said part being approximately 38.86 acres in Section 24 of Union Township, and as more fully described in the attached survey of which Permits No. 3639 and 3640, State of Ohio, have been issued and the Clinton Wells located thereon known as the Sapp #1 and #2. Said Assignment and Bill of Sale shall include all Surface and Down Hole Equipment including but not limited to Pumping Unit, Storage Tank, Separators, Meters, Tubular Goods, Wellhead Equipment and other appurtenances.

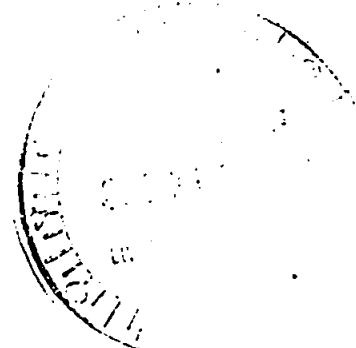
Payne #1, #2

That certain Oil and Gas Lease from Lawrence Eugene Payne to Clover Oil Inc. as recorded by Instrument No. 012267, Volume 86, Page 126, Knox County, Ohio. Said part being approximately 37.89 acres in Section 24 of Union Township, and as more fully described in the attached survey of which Permits No. 3553 and 3562, State of Ohio, have been issued and the Clinton Wells located thereon known as the Payne #1 and #2. And as assigned from Clover Oil Inc. to GEO Energy Inc. by Instrument No. 014045, Volume 86, Page 458 of Knox County, Ohio Records. Said Assignment is subject to a 1/32 of 7/8 Override Royalty payable to Walter Hudson. Said Assignment and Bill of Sale shall include all Surface and Down Hole Equipment including but not limited to Pumping Unit, Storage Tank, Separators, Meters, Tubular Goods, Wellhead Equipment and other appurtenances.

A certain oil and gas lease from George R. and Cora B. Young to Geo Energy, Inc., dated August 13, 1984, recorded August 28, 1984, by instrument number 014745, Volume 86, Pages 538, 539, Knox County, Ohio records. Containing .9 acres, more or less. X

A certain oil and gas lease from Glen Hall to Geo Energy, Inc., dated October 1, 1984, recorded October 18, 1984, by instrument number 015666, Volume 86, Pages 672, 673, Knox County, Ohio records. Containing 1 acre, more or less. X

A certain oil and gas lease from Lawrence R. and Brenda J. Payne (now Maurer) to Geo Energy, Inc., dated August 26, 1984, by instrument number 014786, Volume 86, Pages 541, 542, Knox County, Ohio records. Containing .778 acres, more or less. X



3561

KNOX

3561

1. APPLICATION NUMBER 97707
2. OPERATOR Geo Energy, Inc
3. API 083 COUNTY Knox
4. PERMIT # _____ REISSUE _____

	INITIALS	DATE
5. Application Entered	<u>1</u>	<u>10-3</u>
Application Part A	<u>/</u>	
Application Part B	<u>/</u>	
Restoration Plan	<u>/</u>	
Salt Water Hauler	<u>/</u>	
Co. Engineer File	<u>/</u>	

6. Date Time Stamp 9/24

7. Fee \$95.00: Check No (s) 5828 4/15

8. Sent to Division of Mines / 10/15

9. Technical Review / 10/15

10. Special Area/Samples Yes No /

11. Returned Division of Mines / 10/16

12. Geologist Approval gs 10/19

13. Permit: Taken nb 1/14

14. Called Inspector if picked up wff

15. Final Map Check /

16. COMMENTS _____

17. DATE - TIME - INITIALS _____

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

OIL AND GAS WELL
DRILLING PERMIT

API WELL NUMBER

FORM 51: REVISED 7/83

3 4 089 2

3561

PERMIT

**1 4

OWNER/OPERATOR NAME, ADDRESS:

OEO ENERGY INC
6280 BUSCH BLVD
COLUMBUS
43229

OH

DATE ISSUED:

10/16/84

PERMIT EXPIRES:

04/14/85

TELEPHONE NUMBER:

614-885-2334

IS HEREBY GRANTED PERMISSION TO: Drill New Well
IF UNPRODUCTIVE.

AND ABANDON NEW WELL

PURPOSE OF WELL: Oil & Gas

SUBSTANCE TO BE STORED OR COMPLETION DATE IF PERMIT TO PLUG:

DESIGNATION AND LOCATION:

LEASE NAME HAROLD & GENEVIEVE MAVIS

SECTION

24

WELL NUMBER 1

LOT

COUNTY KNOX

FRACTION

CIVIL TOWNSHIP

UNION

QUARTER TOWNSHIP

TRACT OR ALLOTMENT

FOOTAGE LOCATION 540' NL & 680' WL OF SW QTR, SEC 24(N)

TYPE OF TOOLS: Cable/Air Rotary/Fluid Rotary

GEOLOGICAL FORMATION(S)

PROPOSED TOTAL DEPTH 3200 FEET

GROUND LEVEL ELEVATION 1140

CLINTON

ULTIMATE DISPOSAL OF WATER AND OTHER WASTE SUBSTANCES:

Salt Water Haulers

CONDITIONALLY APPROVED CASING PROGRAM (SUBJECT TO APPROVAL OF OIL AND GAS WELL INSPECTOR):

DRIVE PIPE LANDED IN BEDROCK

8 5/8" APPROX. 390' THRU BIG INJUN MUDDED TO SURFACE

7" APPROX. 840' THRU BERA

4-1/2" PRODUCTION CASING TO T.D. CEMENTED IF PRODUCTIVE

CONDUCTOR MINIMUM OF 60' (IF AIR)

8 5/8" APPROX. 390' THRU BIG INJUN WITH CEMENT CIRCULATED TO SURFACE

4-1/2" PRODUCTION CASING TO T.D. CEMENTED IF PRODUCTIVE

This permit is NOT TRANSFERRABLE and expires 180 days after issuance, unless drilling has commenced prior thereto. This permit, or an exact copy thereof, must be displayed in a conspicuous and easily accessible place at the well site before permitted activity commences and remain until the well is completed. Ample notification to inspector is necessary. All mudding, cementing, placing and removing casing, and plugging operations must be done under the supervision of:

OIL AND GAS WELL INSPECTOR:

BAXTER, COLIN T.
416 HILLDALE DR., N.E.
NEWARK OH
614-763 2147

BELL, LEWIS - SUPVR.
614/366 3068

FIRE AND EMERGENCY NUMBERS:

FIRE: 614-599-6444

MEDICAL SERVICE: 614-599-6444

SPECIAL CONDITIONS:

DEPUTY MINE INSPECTOR: MUST BE NOTIFIED IF WELL IN A COAL-BEARING TOWNSHIP IS TO BE PLUGGED AND ABANDONED.

/S/ Renee J. Houser

CHIEF, DIVISION OF OIL AND GAS

WHITE - WELLSITE COPY / BLUE - INSPECTOR'S COPY / GREEN - DIVISION OF OIL AND GAS COPY / CANARY - DIVISION OF MINES COPY
PINK - DIVISION OF MINES COPY / GOLDENROD - OPERATOR'S FILE COPY

AUTHORIZATION FOR CHANGING EXISTING PERMITS

Person Receiving Phone Call: Norbert Date 11-21-85

Owner: Geo Energy Phone No. _____

Address: _____

County: Knox Township: Union

Permit No.: 3561

Lease Name: Harold + Genevieve Mavis Well No.: 1

FILL OUT IF PERMIT IS PRE-COMPUTER

Acreage: _____ Geo. Formation: _____ PTD: _____

Type of Tool: _____ Type of Well: _____ Issue Date: _____

Application No.: _____ Annular Disposal YES or NO

CHANGES:

- _____ change in type of tool
- _____ change in lease name/well number
- _____ change in total depth/formation
- _____ change in casing program
- _____ correction in footage description
- _____ typographical error
- ☒ change in acreage/drill unit
(new plat submitted ☒ yes ☐ no)

CORRECTION SHOULD READ:

~~31.62 Ac~~ \Rightarrow 21.62.

Geo Energy

- ☒ To Be Mailed
- ☒ To Be Picked Up
- ☒ Date Correction Needed

Regional Supervisor Called: _____

TRF7

(OGASPRF 1.1)

PROOF SHEET

RUN DATE: 840924

PAGE: 27

1 SURETY#: 267 5 APP#: 97707 16 CNTY: KNOX 17 TWP: UNION 10 TYPE APP: NW 12 PURP: OG 13 STORAGE:
24 SEC: 24 25 LOT: 26 FRACT: 27 QTR TWP: 28 TRACT: 29 ALLOT:
22 WELL: 1 23 LEASE NAME: HAROLD & GENEVIEVE MAVIS 31 FORM: CLINTON 30 PTD: 3200 D UNIT: 31.62 X
33 TOOL: CRAF 34 COAL B: N 36 FIRE: 614-599-6444 37 MED: 614-599-6444 38 QUAD: DANVILLE
39 X COORD: 2,067,230 40 Y COOR: 290,700 41 ELEVA: 1140 42 WELL CLASS: *foa*

PREVIOUSLY PERMITTED

2 API: 3 DRL/D: 4 PERMIT:
6 TYPE APP: 7 PURP: 8 WELL: 9 LEASE NAME: 10 PTD: 11 FORM:
13 ST SURF: N 16 ST MIN: N 19 RE NOT: 21 0 REG: D 22 CALL: 86 23 DISP: A: SH 24 B: C: 25 SW CNTY: 26 SW PER:
28 DI CNTY: 29 DI TWP: 30 ER CNTY: 31 ER PER: 32 IO DATE: 33 CON AMT: 34 0
33 CONTRACTOR:

CASING PROGRAM:

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FOOTAGE:

540' NL + 680' NL 8
SW 1/4 SEC 24 (A)

SPEC COND

OR CSG: (12 AFB) -- FUTURE

1140

1052

88

363

88

275

750

88

838

48 TECH DATE: 10/15

49 GEO DATE: 10/16

50 GEO INT: 11.8' 10/10

51 ISSUE: -----

52 REISSUE: -----

OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS, FOUNTAIN SQ., BLDG. A, COLUMBUS, OH 43224

97707

INSTRUCTIONS ON REVERSE SIDE

FORM 1: Revised 12/06/82

1. I, We (applicant) Geo Energy, Inc.

2. Owner # B000267

(address) 6280 Busch Blvd. Columbus, Ohio 43229

Phone # 614 - 885 - 2334

hereby apply this date September 21, 1984 for a permit to:

☒ Drill
 ☐ Plug Back
 ☐ Plug & Abandon
 ☐ Convert
 ☐ Reopen
 ☐ Deepen
 ☐ Reissue
 ☐ Reissue & Revised Location

3. TYPE OF WELL: ☒ Oil & Gas ☐ Artificial Brine ☐ Saltwater Injection ☐ Strat Test

☐ Industrial Waste
 ☐ Storage of:
 ☐ Other: Explain

☐ *Solution Mining
 ☐ *Enhanced Recovery

(If type chosen has an asterisk (*), check appropriate box below)

☐ Input/Injection
 ☐ Water Supply
 ☐ Production/Extraction
 ☐ Observation

4. MAIL PERMIT TO: Geo Energy, Inc. 6280 Busch Blvd. Columbus, Ohio 43229

24. TYPE OF TOOLS

☐ Cable
 ☐ Air Rotary
 ☐ Fluid Rotary
 ☐ Air & Fluid Rotary
 ☐ Cable & Air Rotary
 ☐ Cable & Fluid Rotary
 ☒ Cable & Air Rotary & Fluid Rotary

5. COUNTY: Knox

6. CIVIL TOWNSHIP: Union

7. SECTION: 24

8. LOT:

9. FRACTION:

10. QTR TWP:

11. TRACT/ALLOT:

12. WELL #: 1

13. LEASE NAME: Harold & Genevieve Mavis

14. PROPOSED TOTAL DEPTH: 3,200'

15. GEOLOGICAL FORMATION: Clinton

16. DRILLING UNIT IN ACRES (must be same as acres indicated on plat): 20 31.62

IF PERMITTED PREVIOUSLY:

17. API #: 34 - - - - - * * 14

18. OWNER:

19. WELL #:

20. LEASE NAME:

21. PREVIOUS TOTAL DEPTH:

22. PREVIOUS GEOLOGICAL FORMATION:

23. LANDOWNER ROYALTY INTEREST

Name Harold & Genevieve Mavis

Address

Name

Address

Name

Address

24. TYPE OF TOOLS

25. PROPOSED CASING PROGRAM: Dive pipe landed in Bedrock; 8 5/8" approx. 330' thru Big Injun mudded to surface; 7" approx., 710' thru Berea; 4 1/2" prod. casing to T.D. cemented if productive; Conductor minimum of 60' (if air); 8 5/8" approx 330' thru Big Injun w/cement circulated to surface 4 1/2" prod. casing to T.D. cemented if productive

26. IF SURFACE RIGHTS ARE OWNED BY THE STATE OF OHIO, DEPARTMENT OF NATURAL RESOURCES:

Division N/A

Telephone N/A

27. FIRE AND MEDICAL DEPT. TELEPHONE NUMBERS

Closest to Well Site:

Fire 614 - 599 - 6444

Medical 614 - 599 - 6444

28. MEANS OF INGRESS

CO Rd

TWP Rd

Municipal Rd

State Hwy 514

29. MEANS OF EGRESS

CO Rd

TWP Rd

Municipal Rd

State Hwy 514

30. FINAL DISPOSAL If annular disposal is checked, an alternate plan must also be indicated; if trucking will be used in any phase of final disposal, item (f) must be completed:

a. ☐ Annular Disposal

b. ☐ Drilling Operations

c. ☐ Salt Water Injection Well: County Permit #

d. ☐ Dust/Ice Control: County Township or Municipality

e. ☐ Enhanced Recovery: County Permit #

f. ☒ Salt Water Haulers' names, addresses and telephone numbers:

1. Jack Fishburn Tank Service (419) 253-6031

2. 5012 S.R. 229, Rt. #2, Marengo, Ohio 43334

I the undersigned, being first duly sworn, depose and state under penalties of law, that I am authorized to make this application, that this application was prepared by me or under my supervision and direction, and that date and facts stated herein are true, correct, and complete, to the best of my knowledge.

I, the undersigned, further depose and state that I am the person who has the right to drill upon the tract of land or drilling unit, described in this application, and that I have the right to produce oil and gas from a pool therein, and/or appropriate the oil or gas that I produce therefrom either for myself or others. And furthermore, I, the undersigned, being duly sworn, depose and state at this time I am not liable for a final nonappealable order of a court for damage to streets, roads, highways, bridges, culverts, or drainage ways pursuant to Section 5577.12 of the Ohio Revised Code, and that all requirements of any political subdivision having jurisdiction over an activity related to the drilling or operation of this oil or gas well that are in effect at the time of this application and on file with the Division of Oil and Gas, including but not limited to zoning ordinances and the requirements of Section 5573.33 of the Ohio Revised Code, will be complied with until abandonment of this well, and that a plan for restoration of the land surface disturbed by drilling operations shall be filed with the Division of Oil and Gas. Such plan shall comply with the restoration requirements of Section 5509.072 of the Ohio Revised Code and any rules adopted by the Chief of the Division pertaining to such restoration; and if applying for a permit to plug and abandon a well, I hereby certify that the written notices, as required in Section 5509.11, Ohio Revised Code, have been given.

I hereby agree to conform with all provisions of Chapter 1509 of the Ohio Revised Code, to all orders and rules issued by the Chief, Division of Oil and Gas.

Signature of Owner/Authorized Agent _____

(Type or Print)

Donald E. Burns.

The President

G. per 10: Philad. Donald E. Burns
 & by Authorized Agent, a certified copy of appointment of agent must be on file.

and subscribed before me this the 21 day of September, 19 84

(Notary Public)

Carol L. McDaniel/Smith

Notary Public, State of Ohio

My Commision Expires 10-12-88

(SEAL)

Date Commission Expires

Before this application can be processed, Form 9 (Authority and Organization Form), indicating the exact owner name on this Form 1, and proof of compliance with the surety requirements of Chapter 1509.07 of O.R.C. must be on file with the Division of Oil & Gas. If a new owner name (i.e. one not previously filed with the Division) is used, a Form 9 and evidence of meeting the surety requirements must be filed with this application.

All information requested on this form must be provided unless exempted by the instructions below. Incomplete applications will be returned to the applicant. An application for a permit requires the following:

- a. Original and (2) copies of the application;
- b. Original and (4) copies of an Ohio Registered surveyor's plat;
- c. Original and (1) copy of the restoration plan;
- d. \$95.00 check or money order for a permit fee to drill, reopen, reissue, deepen, and plug back; or \$20.00 check or money order for a permit to plug and abandon.

Item 1. Provide requested information.

Item 2. Indicate owner number in blank. If owner number is not known, ensure that the owner name is identical to owner name that is on the Form 9 (Authority and Organization Form) that is on file with the Division.

Item 3. Indicate the type of well for which the application is being submitted.

Item 4. Provide name, address, city, state and zip code where the permit is to be mailed.

Items 5 - 13. Indicate drilling location.

Items 14 - 16. Provide requested information.

Section 17. Complete when application is for a permit to reopen, deepen, reissue, plug back, convert, or plug & abandon. If API # is unknown indicate previous permit number.

Items 18 - 22. Complete if application is to reissue a previous permit, or to plug back, convert, deepen, reopen or plug & abandon an existing well.

Item 23. List names and addresses of landowner royalty interest holders. Names must coincide with those shown on the designated unit or subject tract on the surveyor's plat or an explanation must be included. (Overriding royalty and working interests are not required.)

Item 24. Indicate type of tools to be used.

Item 25. Indicate size and amount of casing to be used.

Item 26. Complete if surface rights are owned by the Department of Natural Resources.

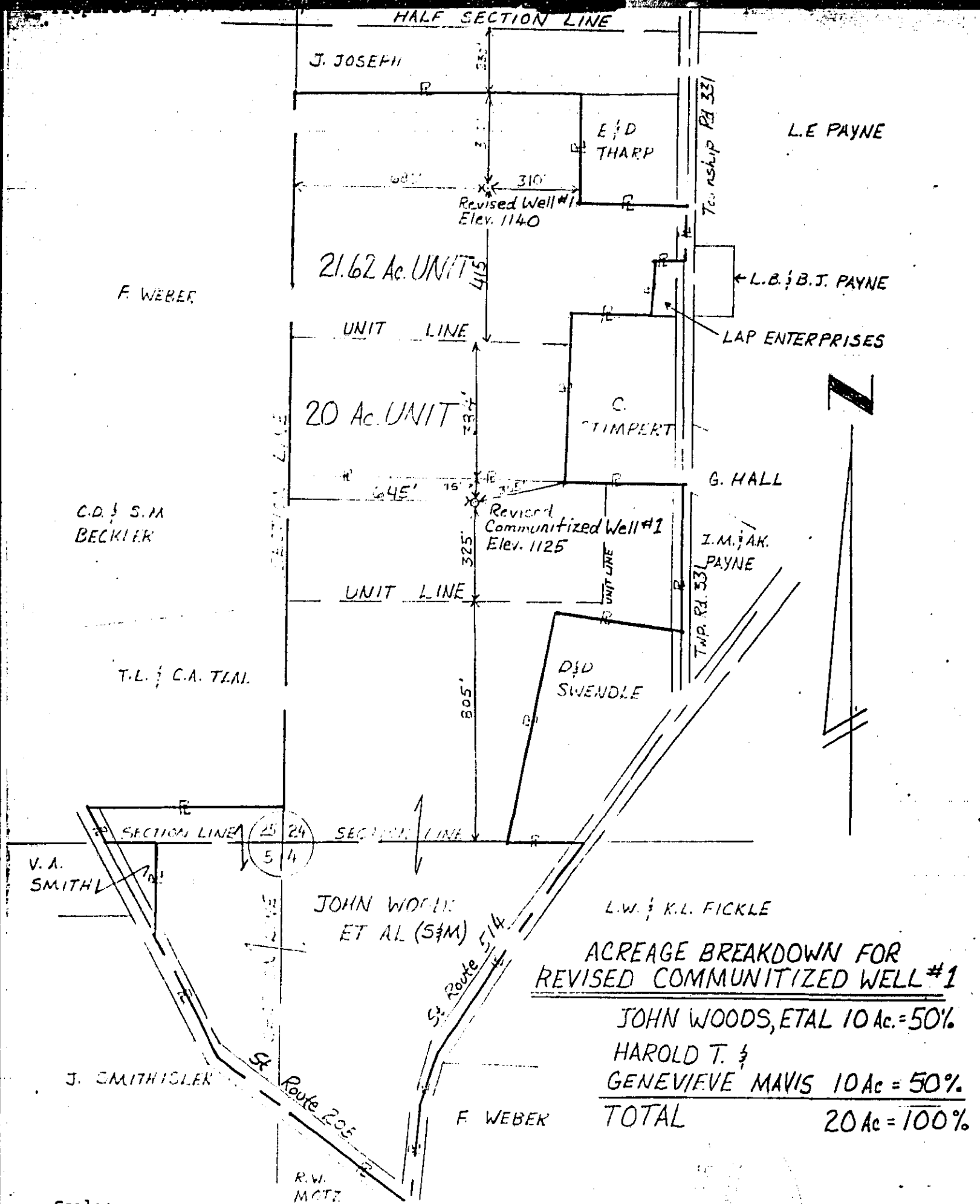
Item 27. Indicate fire and medical department emergency telephone numbers closest to the well site.

Items 28 & 29. List all County, Township, and/or Municipal roads, streets and highways by name or number that applicant anticipates to use as means of ingress and egress from the well site.

Item 30. Indicate final disposal plan for saltwater and other waste substances (except on applications to plug & abandon). If a saltwater hauler is listed, you must include name(s), address(es), and telephone number(s).

For use by DIVISION OF OIL AND GAS and DIVISION OF MINES

Is location within a coal bearing township?	Yes _____	No _____
Application referred to Division of Mines?	Date _____	By _____
Approved by _____	Date _____	
Disapproved by _____	Date _____	
Explanation _____		



I hereby certify that all drilling or producing wells within 100 feet and all buildings and streams within 150 feet have been shown, there are no drilling unit lines nearer than 300 feet, that this plat is true and correct and was prepared according to the current State of Ohio, Department of Natural Resources, Division of Oil and Gas Regulations.

R. Scott Johnson 540' N + 680' W of Sugar Creek 24 (N) 21.62 Ac
REG. SURVEYOR # 771 NOTARY CL. PO. 10/22/85

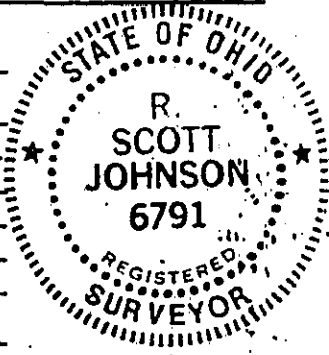
OPERATOR GEO Energy
ADDRESS New Concord, Ohio
SURFACE OWNER Harold & Genevieve Mavis
MINERAL OWNER Same
WELL NO. Revised #1 DRILLING UNIT AC 21.62
COUNTY Knox
TWP. Union
QUAD. Danville

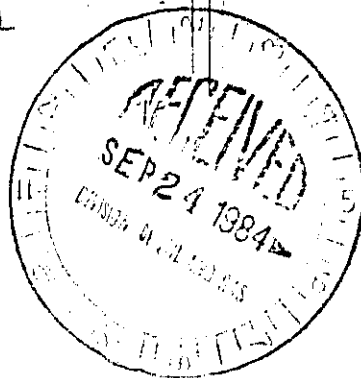
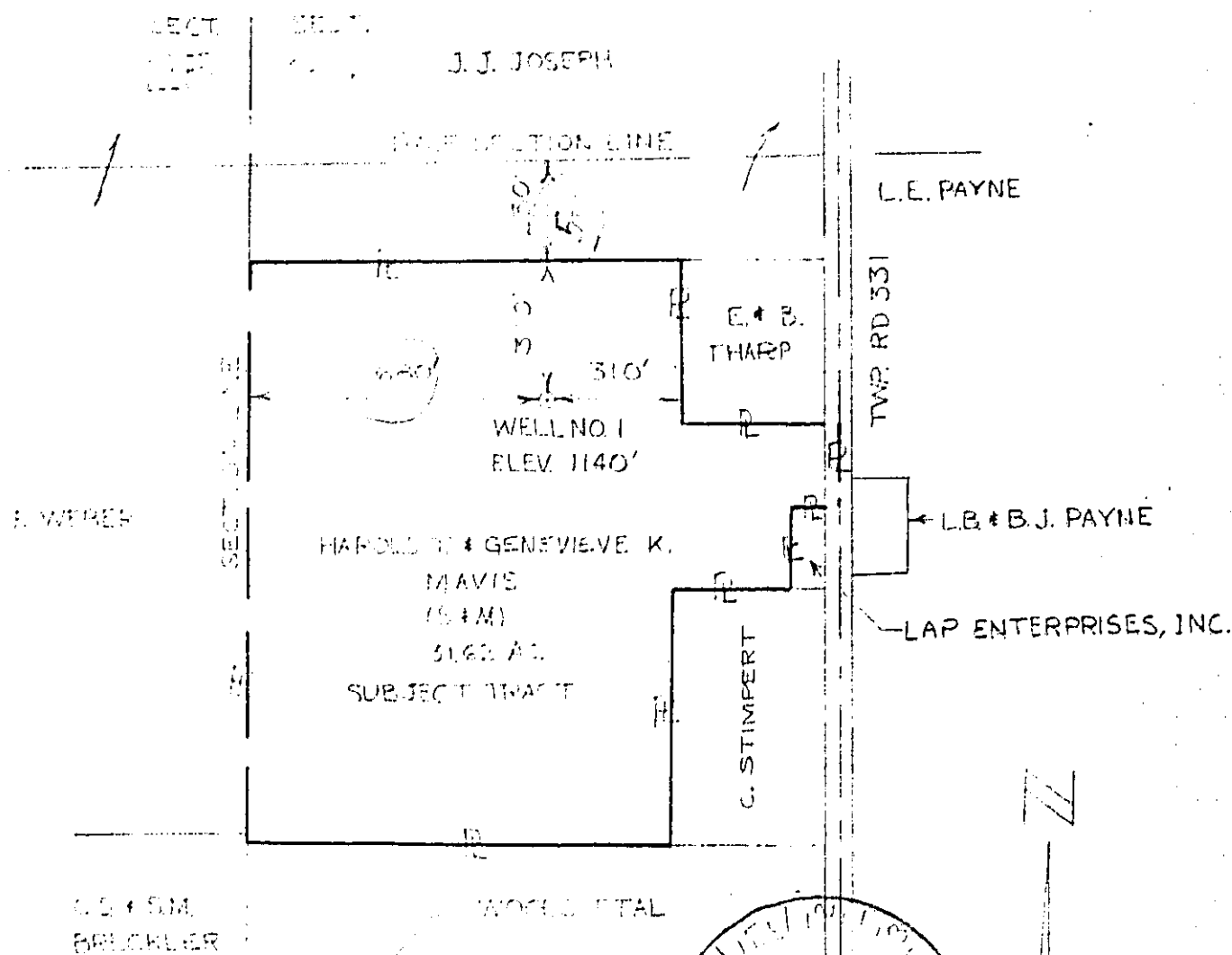
OHIO PLANE COORDINATES

ZONE
NORTH ☒ SOUTH ☐

X 2,067,230 ✓
Y 290,700 ✓

EXP. DATE
SUBDIVISION CIVIL TWP.
TWP. 8N
RANGE 10W
QUARTER TWP.
SECTION 24 LOT
TRACT
ALLOTMENT
FRACTION OTHER
ELEV. 1140 DATE 11-20-85
FIELD ☐ QUAD. ☒





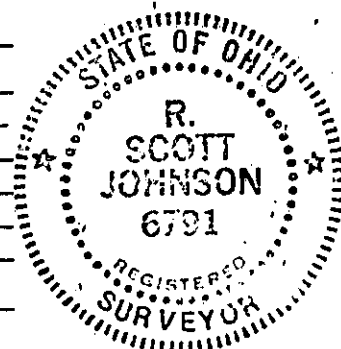
440' NE 1/4 630' NE 1/4 NW 1/4 SEC 24 (N) / 2 R. 8N - 10W - CT/RT
 Scale: 1" = 400'

I hereby certify that all drilling or producing wells within 100 feet and all buildings and streams within 150 feet have been shown, there are no drilling unit lines nearer than 300 feet, that this plat is true and correct and was prepared according to the current State of Ohio, Department of Natural Resources, Division of Oil and Gas Regulations.

R. Scott Johnson
 REG. SURVEYOR # 6791
 OPERATOR Geo Energy
 ADDRESS New Concord, Ohio
 SURFACE OWNER Harold & Genevieve Mavis
 MINERAL OWNER same
 WELL NO. 1 DRILLING UNIT AC 20
 COUNTY Knox
 TWP. Union
 QUAD. Danville

OHIO PLANE COORDINATES
 ZONE X 2,067,230
 NORTH ☒ SOUTH ☐ Y 290,700

NOTARY
 EXP. DATE
 SUBDIVISION CIVIL TWP.
 TWP. 8N
 RANGE 10W
 QUARTER TWP.
 SECTION 24 LOT
 TRACT
 ALLOTMENT
 FRACTION OTHER
 ELEV. 1140 DATE 9/12/84
 FIELD ☐ QUAD. ☒



DIVISION OF OIL & GAS, FOUNTAIN SQ., BLDG. A, COLUMBUS, OH 43224

1. DATE OF APPLICATION: 9-21-84		FORM 4: Revised 06/01/81	
2. OWNER NAME, ADDRESS, & TELEPHONE #'s: Geo Energy, Inc. 6280 Busch Blvd. Columbus, Ohio 43229 (614) 885-2334		3. API #: 3 4 _____ * * 1 4 - 4. WELL #: 1 5. LEASE NAME: Harold + Genevieve Mann 6. PROPERTY OWNER: Same 7. COUNTY: Knox 8. CIVIL TOWNSHIP: Union 9. SECTION: 24 10. LOT: _____	
11. CURRENT LAND USE: <input checked="" type="checkbox"/> Cropland _____ Commercial <input type="checkbox"/> Pasture _____ Idle Land <input type="checkbox"/> Wetlands _____ Recreational <input type="checkbox"/> Residential _____ Industrial <input type="checkbox"/> Unreclaimed strip mine <input type="checkbox"/> Woodland: Circle <u>Broad-leaved</u> or <u>Needlelike</u>		17. TYPE OF WELL: <input checked="" type="checkbox"/> Oil <input checked="" type="checkbox"/> Gas _____ Other _____	
12. SLOPE GRADIENT & LENGTH DETERMINED FROM: <input type="checkbox"/> Ground measurement <input checked="" type="checkbox"/> U.S. Geological Survey Topographical Maps <input type="checkbox"/> Other, explain _____		18. STEEPEST SLOPE GRADIENT CROSSING SITE: _____ 0 to 2% <input checked="" type="checkbox"/> 2.1 to 8% _____ 8.1 to 10% _____ 10.1 to 24% _____ greater than 24%	
13. TYPE OF FALL VEGETAL COVER: <input type="checkbox"/> Little or no vegetal cover <input checked="" type="checkbox"/> Short grasses <input type="checkbox"/> Tall weeds or short brush (1 to 2 ft.) <input type="checkbox"/> Brush or bushes (2 to 6 ft.) <input type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees with sparse low brush <input type="checkbox"/> Trees with dense low brush		19. LENGTH OF STEEPEST SLOPE CROSSING SITE: _____ 1 to 100 ft. _____ 101 to 200 ft. <input checked="" type="checkbox"/> 201 to 400 ft. _____ greater than 400 ft.	
14. SOIL & RESOILING MATERIAL AT WELLSITE: <input checked="" type="checkbox"/> Stockpile & protect topsoil to be used when preparing seedbed <input type="checkbox"/> Use of soil additives (e.g. lime, fertilizer) <input type="checkbox"/> No resoiling planned <input type="checkbox"/> Proposed alternative _____		20. RESTORATION OF DRILLING PITS: <input checked="" type="checkbox"/> Haul drilling fluids and fill pits <input type="checkbox"/> Use steel circulating tanks <input type="checkbox"/> Proposed alternative _____	
15. DISPOSAL PLAN FOR TREES AND TREE STUMPS: <input checked="" type="checkbox"/> No trees disturbed _____ Haul to landfill <input type="checkbox"/> Cut into firewood _____ Sell to lumber co. <input type="checkbox"/> Bury with landowners approval <input type="checkbox"/> Mulch sm. trees & branches, erosion control <input type="checkbox"/> Use for wildlife habitat <input type="checkbox"/> Proposed alternative _____		21. BACKFILLING AND GRADING AT SITE: _____ Construct diversions channelled to naturally established drainage systems _____ Construct terraces across slopes <input checked="" type="checkbox"/> Grade to approximate original contour _____ Grade to minimize erosion & control offsite runoff _____ Proposed alternative _____	
16. SURFACE AND SUBSURFACE DRAINAGE FACILITIES: <input checked="" type="checkbox"/> No existing drainage facilities for removal of surface and/or subsurface water <input type="checkbox"/> Tile drainage system underlying land to be disturbed <input type="checkbox"/> Drain pipe(s) underlying land to be disturbed <input type="checkbox"/> Surface drainage facilities on land to be disturbed		22. VEGETATIVE COVER TO BE ESTABLISHED AT SITE: _____ No seeding plan proposed <input checked="" type="checkbox"/> Sod _____ Agricultural crops _____ Trees &/or Bushes _____ Proposed alternative _____	
		23. TEMPORARY SALTWATER STORAGE FACILITY: _____ Properly constructed & maintained liquid tight pits surrounded by an embankment to prevent surface water from entering <input checked="" type="checkbox"/> Steel tanks with approved internal lining or coating <input checked="" type="checkbox"/> Install liquid tight cement storage vaults* _____ Install liquid tight fiberglass tanks* _____ Proposed alternative _____ *Permission required for burial	
		24. ADDITIONAL HOLES: <input checked="" type="checkbox"/> Rat/Mouse, if used, will be plugged.	

<p>25. PROPOSED OR CURRENT LENGTH OF ACCESS ROAD:</p> <p> <input type="checkbox"/> 100 ft. or less <input type="checkbox"/> 101 to 500 ft. <input checked="" type="checkbox"/> 501 to 1500 ft. <input type="checkbox"/> greater than 1500 ft. </p>	<p>28. PATH OF ACCESS ROAD TO BE DETERMINED BY:</p> <p> <input checked="" type="checkbox"/> Landowner <input type="checkbox"/> Contractor <input type="checkbox"/> Existing access road <input type="checkbox"/> Operator </p>
<p>26. CURRENT LAND USE OF PATH OF ACCESS ROAD:</p> <p> <input checked="" type="checkbox"/> Cropland <input type="checkbox"/> Pasture <input type="checkbox"/> Commercial <input type="checkbox"/> Idle land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Industrial <input type="checkbox"/> Residential <input type="checkbox"/> Unreclaimed strip mine <input type="checkbox"/> Woodland (Circle <u>Broad-Leaved</u> or <u>Needlelike</u>) </p>	<p>29. GRADING & EROSION CONTROL PRACTICE ON ROAD:</p> <p> <input type="checkbox"/> Diversions <input type="checkbox"/> Water breaks <input type="checkbox"/> Drains <input checked="" type="checkbox"/> Outsloping of road <input type="checkbox"/> Open top culverts <input type="checkbox"/> Pipe culverts <input type="checkbox"/> Filter Strips <input type="checkbox"/> Rip rap <input type="checkbox"/> Proposed alternative _____ </p>
<p>27. SURFACING MATERIAL FOR ACCESS ROAD:</p> <p> <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Brick and/or tile waste <input type="checkbox"/> Slag <input type="checkbox"/> Crushed stone <input type="checkbox"/> No surfacing material to be used <input type="checkbox"/> Proposed alternative _____ </p>	<p>30. STEEPEST SLOPE GRADIENT ON ACCESS ROAD:</p> <p> <input checked="" type="checkbox"/> 0 to 5% <input type="checkbox"/> 6 to 10% <input type="checkbox"/> greater than 10% </p>
<p>31. APPROX. LENGTH OF STEEPEST SLOPE ON ROAD:</p> <p> <input type="checkbox"/> 0 to 100 ft. <input type="checkbox"/> 101 to 200 ft. <input checked="" type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft. </p>	
<p>32. HAS LANDOWNER RECEIVED A COPY OF THIS RESTORATION PLAN? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	

The undersigned hereby agrees to implement all restoration operations identified on this form, and conform to all provisions of Section 1509.072 of the Ohio Revised Code, and to all orders and rules issued by the Chief, Division of Oil and Gas.

Signature of Owner/Authorized Agent _____

Name (Typed or Printed) Donald E. Burns, President Date 9-21-84

Restoration Plan must be submitted to the Division in duplicate.

WELL COMPLETION RECORD
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS, FOUNTAIN SQ. BLDG. A, COLUMBUS, OH 43224

1. Owner #: <u>267</u> <u>MST</u>		Form 8: Revised 07/01/83 10/16/84	
2. Owner name, address & telephone numbers: GEO ENERGY INC 6280 BUSCH BLVD COLUMBUS OH 614-885-2334 43229		This report is due in duplicate 30 days after completion of the well. If the permit has expired and the well was not drilled, <input type="checkbox"/> check here, sign on reverse side, and return to our office within 30 days after expiration.	
		3. API #: <u>34 053 2 3561 *</u>	
4. Type of permit: <u>Oil & Gas</u>		5. County: <u>ENOX</u>	
7. Type of well: <u>Drill New Well</u>		6. Civil Township: <u>UNION</u>	
		8. Footage: <u>540' NL & 680' WL OF SW QTR, SEC 24(N)</u>	
9. X: <u>2,067,230</u> Y: <u>290,700</u>		21. Date drilling commenced: <u>03-22-85</u>	
10. Quad: <u>DANVILLE</u>		22. Date drilling completed: <u>04-17-85</u>	
11. Section: <u>24</u> 12. Lot: _____		23. Date put into production: <u>05-16-85</u>	
13. Fraction: _____ 14. Qtr Twp: _____		24. Date plugged if dry: <u>N/A</u>	
15. Tract: _____		25. Producing formation: <u>Clinton Sandstone</u>	
16. Allot: _____		26. Deepest formation: <u>Clinton Sandstone</u>	
17. Well #: <u>1</u>		27. Driller's total depth: <u>-2897-</u> <u>2970</u>	
18. Lease Name: <u>HAROLD & GENEVIEVE HAVIS</u>		28. Logger's total depth: <u>-2948'</u> <u>2956</u>	
19. PTD: <u>3200</u> 20. Drilling Unit: <u>31.42</u>			
29. Type of tools: <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Air Rotary <input type="checkbox"/> Fluid Rotary <input type="checkbox"/> Air/Fluid Rotary <input type="checkbox"/> Cable/Air Rotary <input type="checkbox"/> Cable/Fluid Rotary <input type="checkbox"/> Cable/Air Rotary/Fluid Rotary		30. Type of completion: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Through Casing <input type="checkbox"/> Slotted Liner	
31. Elevation: Ground Level <u>1140</u> Derrick Floor <u>1142</u>		Kelley Bushing <u>N/A</u>	
32. Perforated intervals & number of shots: <u>9 holes, 3 1/8" DML Densi-Jet 0.31" hole entry from 2896' to 2938'</u>			
33. Method of shot, acid, or fracture treatments, production tests, pressures, etc.: <u>75 quality N₂ - Foam frac, Broke at 1740 PSI, Treated: 2,4,6 #/gas., 3 BPM, 2200 PSI, ISIP = 3000 PSI 6670 gal water, 134 sks, 16/30 sand 230,000 SCF N₂</u>			
34. Mouse hole plugged: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Sacks _____ Rat hole plugged: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Sacks <u>5</u>			
35. Amount of initial production Natural: Gas <u>10 MCF/Day</u> Oil <u>1 BOPD</u> Water <u>-0-</u> After Treatment: Gas <u>25 MCF/Day</u> Oil <u>5 BOPD</u> Water <u>-0-</u> Lost Hole at _____ feet. Additional Data: _____			
36. Record of disposal of water and other waste including liquids used in fracture treatment. a. _____ Annular Disposal b. _____ Drilling Operations c. _____ Disposal Well: County _____ Permit # _____ d. _____ Dust/Ice Control: County _____ Township or Municipality _____ e. _____ Secondary Recovery: County _____ Permit # _____ f. <u>XX</u> Salt Water Haulers: (Name and telephone number) 1. <u>Jack Fishburn Water Truck Service (419) 253-6031</u> 2. _____			
37. Casing and tubing record: Please indicate which is used (cement or mudding)			
Size	Feet Used in Drilling	Amount of Cement or Mud	Feet Left in Well
<u>10 3/4"</u>	<u>20'</u>	<u>N/A</u>	<u>20'</u>
<u>8 5/8"</u>	<u>405'</u>	<u>40 sks fire clay</u>	<u>405'</u>
<u>7"</u>	<u>955'</u>	<u>N/A</u>	<u>0</u>
<u>4 1/2"</u>	<u>2960'</u>	<u>40 sks neat</u>	<u>2960'</u>
Comments: _____			
38. Name of drilling contractor: <u>Albert Ferenbaugh Drilling</u>			
39. Type of electrical and/or radioactivity logs run: (All logs must be submitted) <u>Compensated-Density-Neutron-Perforating-Cement Bond</u>			
40. Name of logging company: <u>Perfection Services, Inc.</u>			
DIVISION USE ONLY: <u>Log Submitted: 6L</u> Well Class: <u>POOL</u> A/D: _____			

REQUIRED by 1509.10, Ohio Revised Code - Failure to submit may result in a fine of up to \$2,000.00.

FORMATION		TOP	BASE	Shows of oil, gas, fresh water, or Brine - Indicate depth or interval and amount	REMARKS
Fresh Water Strata		0	50		
Coal Seams					
Gray Shale		50	150		
1st Cow Run	321.6				
2nd Cow Run	324.1				
Maxton Sand	328.4				
Keener Sand	337.1				
Big Injun Sand	337.2	150	360		
Gray & Brown Shale		360	810		
		798	806		
Berea Sand	337.6	810	815	798-806	
Ohio Shale	341.1	815	1270		
Little Cinnimon		1270	1395		
Gray Shale		1395	1435		
Big Cinnimon		1435	1735		
Gray & Brown Shale		1735	1866		
			2762		
Big Lime	344.4	1866	2005		
Salt		2005	2075		
Oriskany	347.2				
Gray Shale		2975	2844		
Salina	351.2				
Newburg	351.3				
Lockport	354.1				
Little Lime	354.3				
Packer Shell	354.5	2844	2870		
Stray Clinton	357.2	2870	2894		
Red Clinton	357.3	2894	2910		
White Clinton	357.4	2910	2940		
Gray Shale		2940	2970		
Medina	357.7				
Queenston	361.3				
Trenton Lime	364.3				
Black River	364.4				
Gulf River	364.5				
Glenwood Shale	364.6				
Rose Run	367.3				
Trempealeau	371.2				
Mt. Simon	377.3				
Granite wash	400.1				
Granite	400.2				

I (We) certify that the above information is true and correct, to the best of my knowledge.

SIGNATURE

DATE May 23, 1985

NAME (TYPED OR PRINTED)

Donald E. Burns

TITLE

President

REPRESENTING

Geo Energy, Inc.

DIVISION OF OIL AND GAS, ODNR
ATTN: FIELD ENFORCEMENT SECTION
FOUNTAIN SQUARE
COLUMBUS, OHIO 43224
FORM 52: REVISED 7/1/82

(To be submitted with Activity Report)

API WELL NUMBER

3 4 0 8 3 2

3 5 6 1

1 4

Permit No.

RECORD OF CASING, CEMENTING AND MUDDING

Well Owner: GEO ENERGY Inc.

Lease Name: H. & G. Mavis Well No. 1

County: Knox Twp. Union

Contractor: Farenbaugh Drilling

Type of Tools: ☐ ROTARY ☒ CABLE

Service Company: Cemenco

Procedure: ☐ PRESSURE ☒ GRAVITY

Plugging of: _____

Mouse hole ☐ YES ☐ NO _____ SACKS

Rat hole ☐ YES ☐ NO _____ SACKS

CASING RECORD

SIZE	SET	REMARKS
10	20'	

Formations: (if available)

☐ DL ☐ EL
☐ KB ☐ RF ☐ GL

NAME

TOP

BOTTOM

Date Issued: 10-16-84 Expiration Date: 4-14-85

Spud Date: Month 3 Day 22 Year 85

Type of Job: ☒ SURFACE ☐ PRODUCTION ☐ OTHER

Type of Cement: _____ Sacks: _____

Amount of Mud: 40^{SKS} clay - 4^{SKS} sol - 50^{LB} Cotton Seed

Size of Hole: 10 DEPTH 405 FT

Casing: SIZE 8 5/8 DEPTH 405 FT

Float Equipment: ☐ SHOE ☐ COLLAR ☐ OTHER

Special Equipment: _____

Cement/Mud Circulated to Surface: ☐ YES ☒ NO

Notification Received: ☒ YES ☐ NO

Job Witnessed by Inspector: ☒ YES ☐ NO

Annular Disposal indicated on permit: ☐ YES ☒ NO

Meets construction requirements
for A.D. (Explain below if no or
if remedial action is required). ☐ YES ☒ NO

DATE JOB COMPLETED 4/17/85

Remarks:

(attach cement/mud tickets if available)

Date: 4-17-85

Signed: John D. Rine

OIL AND GAS WELL INSPECTOR

Cemenco - Service, Inc.

GENERAL SERVICE WORK
OIL & GAS WELL CEMENTING
P. O. Box 2006
Zanesville, Ohio 43701
453-7447

INVOICE

16835



Date <i>4/11/68</i>	County <i>kn</i>	Township <i>Cherry</i>	State <i>OH</i>	PERMIT NO. <i>3061</i>
Owner <i>G. J. Smith</i>	Lease <i>to</i>	Well No. <i>1</i>		Charge to <i>G. J. Smith</i>

Called Out A.M. P.M. <i>1:00</i>	On Location A.M. P.M. <i>11:00</i>	Mailing Address <i>6121 Oak St.</i>
Job Began <i>4/11/68</i>	Job Completed P.M. A.M.	City <i>Cherry</i>
Contractor		State <i>OH</i> Zip <i>43701</i>
Truck No. <i>8</i>		Operator <i>G. J. Smith</i>
		Driver <i>G. J. Smith</i>
Plug Container	Yes No	Type Job <i>11.54</i>
Swage	Yes No	
Measure	Yes	Measurement
with Line	No	Wire Line T.D. Pipe

Work Order Contract
THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED
CEMENCO SERVICE SHALL NOT BE LIABLE FOR DAMAGE TO PROPERTY OF WELL OWNER AND/OR CUSTOMER UNLESS CAUSED BY ITS WILLFUL NEGLIGENCE. THIS PROVISION APPLYING BUT NOT LIMITED TO SUBSURFACE DAMAGE AND SURFACE DAMAGE ARISING FROM SUBSURFACE DAMAGE. WELL OWNER AND/OR CUSTOMER SHALL BE RESPONSIBLE FOR AND SECURE CEMENCO SERVICE AGAINST ANY LIABILITY FOR RESERVOIR LOSS OR DAMAGE, OR PROPERTY DAMAGE ARISING FROM A WELL BLOWOUT, UNLESS SUCH LOSS OR DAMAGE IS CAUSED BY THE WILLFUL NEGLIGENCE OF CEMENCO SERVICE. IF EQUIPMENT OR INSTRUMENTS OF CEMENCO SERVICE ARE LOST OR DAMAGED AT THE WELL, WELL OWNER AND/OR CUSTOMER SHALL EITHER RECOVER THE SAME OR PAY FOR SUCH EQUIPMENT OR INSTRUMENTS UNLESS, HOWEVER, SUCH LOSS OR DAMAGE IS CAUSED BY THE NEGLIGENCE OF CEMENCO SERVICE. IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT CEMENCO SERVICE SHALL NOT BE BOUND BY ANY AGREEMENT NOT HEREIN CONTAINED, AND NO AGENT OR REPRESENTATIVE CONNECTED WITH OR EMPLOYED BY CEMENCO SERVICE HAS AUTHORITY TO ALTER OR EXTEND THE TERMS OF THIS AGREEMENT.
I HAVE READ AND UNDERSTOOD THE TERMS OF THIS AGREEMENT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS AGENT OF CUSTOMER.
SIGNED: _____
DATE _____ A.M.
TIME _____ P.M.

HOLE DATA				INVOICE SECTION			
Casing							
New							
Used							
Weight							
Size							
Type							
Thread							
Bore Size							
Total Depth	<i>412'</i>						
Cable Tools Rotary							

Late payment penalty charge of 1 1/2% per month.
(18% annual) after 30 days.

Total

DIVISION OF OIL AND GAS, ODNR
ATTN: FIELD ENFORCEMENT SECTION
FOUNTAIN SQUARE
COLUMBUS, OHIO 43224
FORM 52: REVISED 7/1/82

(To be submitted with Activity Report)

API WELL NUMBER

3 4 0 8 3 2 3 5 6 1 1 4

Permit No.

RECORD OF CASING, CEMENTING AND MUDDING

Well Owner: GEO ENERGY Inc.

Lease Name: H-46 MAVIS Well No. 1

County: KNOX Twp. Union

Contractor: Farenbaugh

Type of Tools: ☐ ROTARY ☒ CABLE

Service Company: Cemenco

Procedure: ☒ PRESSURE ☐ GRAVITY

Plugging of: _____

Mouse hole ☐ YES ☐ NO _____ SACKS

Rat hole ☐ YES ☐ NO _____ SACKS

CASING RECORD

SIZE	SET	REMARKS
<u>10</u>	<u>20</u>	
<u>8 7/8</u>	<u>405</u>	<u>MUDDING</u>
<u>7</u>	<u>955</u>	

Date Issued: 10-16-84 Expiration Date: 4-14-85

Spud Date: Month 3 Day 22 Year 85

Type of Job: ☐ SURFACE ☒ PRODUCTION ☐ OTHER

Type of Cement: Reg. Sacks: 40

Amount of Mud: _____

Size of Hole: 6 1/2 DEPTH 2970 FT

Casing: SIZE 4 1/2 DEPTH 2970 FT

Float Equipment: ☒ SHOE ☐ COLLAR ☐ OTHER

Special Equipment: _____

Cement/Mud Circulated to Surface: ☐ YES ☒ NO

Notification Received: ☒ YES ☐ NO

Job Witnessed by Inspector: ☒ YES ☐ NO

Annular Disposal indicated on permit: ☐ YES ☒ NO

Meets construction requirements for A.D. (Explain below if no or if remedial action is required). ☐ YES ☒ NO

DATE JOB COMPLETED 4/17/85

Formations: (if available)	TOP	BOTTOM
<u>Big Injun</u>	<u>150</u>	<u>360</u>
<u>Berea</u>	<u>810</u>	<u>815</u>
<u>Big Lime</u>	<u>1880</u>	<u>2784</u>
<u>P. Shell</u>	<u>2855</u>	<u>2895</u>
<u>Clinton</u>	<u>2910</u>	<u>2962</u>

Remarks:

(attach cement/mud tickets if available)

Date: 4-17-85

Signed: John D. Bine

OIL AND GAS WELL INSPECTOR

Cemenco - Service, Inc.

INVOICE

**GENERAL SERVICE WORK
OIL & GAS WELL CEMENTING
P. O. Box 2006
Zanesville, Ohio 43701
453-7447**

16934



Date Owner		County	Township	State	PERMIT NO.
Lease		Well No.		5061	
Charge to					
Called Out A.M. P.M.	On Location A.M. P.M.	Mailing Address			
Job Began	Job Completed P.M. A.M.	City			
Contractor		State Zip			
Truck No.		Operator			
		Driver			
Plug Container	Yes No	Type Job			
Swage	Yes No				
Measure with Line	Yes No	Measurement	T.D.		
		Wire Line	Pipe		

Work Order Contract

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

CEMCO SERVICE SHALL NOT BE LIABLE FOR DAMAGE TO PROPERTY OF WELL OWNER AND/OR CUSTOMER UNLESS CAUSED BY ITS WILLFUL NEGLIGENCE. THIS PROVISION APPLYING BUT NOT LIMITED TO SUBSURFACE DAMAGE AND SURFACE DAMAGE ARISING FROM SUBSURFACE DAMAGE. WELL OWNER AND/OR CUSTOMER SHALL BE RESPONSIBLE FOR AND SECURE CEMCO SERVICE AGAINST ANY LIABILITY FOR RESERVOIR LOSS OR DAMAGE, OR PROPERTY DAMAGE ARISING FROM A WELL BLOWOUT, UNLESS SUCH LOSS OR DAMAGE IS CAUSED BY THE WILLFUL NEGLIGENCE OF CEMCO SERVICE. IF EQUIPMENT OR INSTRUMENTS OF CEMCO SERVICE ARE LOST OR DAMAGED AT THE WELL, WELL OWNER AND/OR CUSTOMER SHALL EITHER RECOVER THE SAME OR PAY FOR SUCH EQUIPMENT OR INSTRUMENTS UNLESS, HOWEVER, SUCH LOSS OR DAMAGE IS CAUSED BY THE NEGLIGENCE OF CEMCO SERVICE.

IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT CEMCO SERVICE SHALL NOT BE BOUND BY ANY AGREEMENT NOT HEREIN CONTAINED, AND NO AGENT OR REPRESENTATIVE CONNECTED WITH OR EMPLOYED BY CEMCO SERVICE HAS AUTHORITY TO ALTER OR EXTEND THE TERMS OF THIS AGREEMENT.

I HAVE READ AND UNDERSTOOD THE TERMS OF THIS AGREEMENT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS AGENT OF CUSTOMER.

SIGNED: _____

WELL OWNER OR HIS AGENT

DATE _____ A.M.
TIME _____ P.M.

HOLE DATA			INVOICE SECTION			
Casing				1 1/2" x 1 1/2"		
New				1 1/2" x 1 1/2"		
Used				1 1/2" x 1 1/2"		
Weight				1 1/2"		
Size				1 1/2"		
Type				1 1/2"		
Thread				1 1/2"		
Bore Size				1 1/2"		
Total Depth				1 1/2"		
Cable Tools Rotary				1 1/2"		

Late payment penalty charge of 1 1/2% per month.
(18% annual) after 30 days.

Total

083-3561-3
GEO ENERGY INC.

34 08323561 ** 14
API WELL NUMBER / JA# = API# & SECTION

NGPA ROUTE SLIP

APPLICANT Geo Energy, Inc

WELL NAME AND NUMBER #1 mavis

45 DAY DATE 7-12-85 REV: _____ REV: _____

____ SECTION 102 - NEW NATURAL GAS

____ Code 2 - 2.5 Mile Rule

____ Code 3 - 1000 Feet Deeper

____ Code 4 - New Reservoir Rule

____ SECTION 108 - STRIPPER GAS

____ 108A - Production Increase

____ 108B - Enhanced Recovery

____ 108C - Seasonally Affected

____ 108D - Temporary Pressure Build-Up

☒ SECTION 103 - NEW, ONSHORE WELL

____ SECTION 107 - HIGH-COST GAS

____ 107d - Devonian Shale

____ 107e - Tight Formation

____ Berea

____ Clinton

____ 107f - Production Enhancement

REMARKS: _____

☒ The information submitted in the forms and accompanying documentation indicates that the well DOES meet the requirements and regulations under the NGPA and is hereby granted an AFFIRMATIVE determination by the Ohio Division of Oil and Gas for the Section(s) circled below.

102

103

107

108

____ The information submitted in the forms and accompanying documentation indicates that the well DOES NOT meet the requirements and regulations under the NGPA and is hereby granted a NEGATIVE determination by the Ohio Division of Oil and Gas for the Section(s) circled below.

102

103

107

108

DATE 7-2-85

BY DMB

Rene J. [Signature]
CHIEF, DIVISION OF OIL & GAS

DEPARTMENT OF OIL AND GAS
MAY 28 1985

FERC-121 (8-82)

APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)
(Sections 102, 103, 107 and 108)

GENERAL INSTRUCTIONS

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA.

Complete each appropriate item on the reverse side of this page. The code numbers used in items 4 and 6 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Also enter any additional remarks in the space below. The data reported on this form are not considered to be confidential and will not be treated as such.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 274.501. If there are any questions, call (202) 357-8585.

SPECIFIC INSTRUCTIONS

Use the codes in the table below for type of determination in item 2.

Section of NGPA (a)	Category Code (b)	Description (c)
102	1	New OCS lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS lease
103	-	New onshore production well
107	0	Deep (more than 15,000 feet) high-cost gas
107	1	Gas produced from geopressured brine
107	2	Gas produced from coal seams
107	3	Gas produced from Devonian shale
107	5	Production enhancement gas
107	6	New tight formation gas
107	7	Recompletion tight formation gas
108	0	Stripper well
108	1	Stripper well — seasonally affected
108	2	Stripper well — enhanced recovery
108	3	Stripper well — temporary pressure buildup
108	4	Stripper well — protest procedure

Enter the appropriate information regarding other Purchasers/Contracts.

Line No	Contract Date (Mo, Da, Yr) (a)	Purchaser (b)	Buyer Code (c)
1		Undetermined	
2			
3			
4			
5			
6			

Remarks:

3 4 0 8 3 2 3 5 6 1 * * 1 4
API WELL NUMBER

WELL CLASSIFICATION FORM - NEW ONSHORE WELL §103

1. An application is made by filing the following:

- a) Three (3) copies of PERC 121, including question no. 2.0 which should state section 103 of the NGPA.
- b) Original and one (1) copy of NGPA Form 103.
- c) Two (2) copies of Well Completion Record (Form 8).
- d) Two (2) copies of the location plat locating and identifying the well and all other wells within the same drilling unit, if any.

2. Well was drilled pursuant to: (check one)

- ☒ Minimum drilling spacing requirements of the Division.
- ☐ The provisions of §1509.29, exception tract statute.

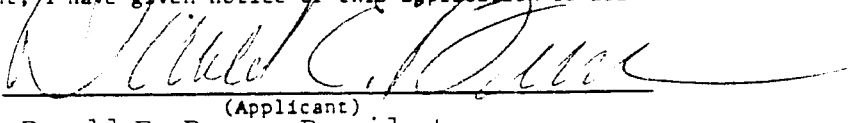
3. This well is: (check one and complete where applicable)

- ☐ Newly permitted well. Spud date 03-22-85
- ☐ Re-opened well. Re-open date: _____
Re-opened completion depth _____
Original spud date _____. Plug date _____.
Original well bore total depth _____.



OATH

I hereby swear and affirm that: The surface drilling of the well for which I seek determination was begun on or after February 19, 1977; the well satisfies state well spacing requirements; the well is not within a proration unit; (i) which was in existence at the time the surface drilling of the well began; (ii) which was applicable to the reservoir from which such natural gas is produced; and (iii) which applied to any other well which either produced natural gas in commercial quantities or the surface drilling of which was begun before February 19, 1977, and was thereafter capable of producing natural gas in commercial quantities. Or if my application is seeking a determination with respect to a new well drilled into an existing proration unit; the surface drilling of the well for which I seek determination was begun on or after February 19, 1977; the well satisfies state well-spacing requirements; and that I have demonstrated by appropriate geological evidence that the new well is necessary to effectively and efficiently drain a portion of the reservoir covered by the proration unit which cannot be effectively and efficiently drained by any existing well within the proration unit. On the basis of the documents submitted in the application, I have concluded that to the best of my information, knowledge and belief, the natural gas for which I seek a determination is produced from a new onshore production well; I have no knowledge of any other information not described in the application which is inconsistent with my conclusion; I have delivered or mailed a copy of this application to any identified purchaser; and if applying as an operator under a joint operating agreement, I have given notice of this application to all other parties participating in the well.


(Applicant)

Donald E. Burns, President

State of Ohio

County of Franklin, ss:

The foregoing instrument was acknowledged before me this 23 day of May,

19 85, by Donald E. Burns, President
(name) (title)

on behalf of Geo Energy, Inc.
(corporation or partnership name)

Notary Public

Seal

My Commission Expires _____

Carol L. McDaniel/Smith
Notary Public, State of Ohio
My Commission Expires 10-12-88

INSTRUCTIONS FOR COMPLETING WELL CLASSIFICATION FORM

New, Onshore Production §103

This form must be filed with three (3) copies of a completed FERC Form 121. You may request more than one determination for each well, but only one well and one determination can be applied for on each form. Item 2.0 on FERC Form 121 should specify Section 103 on the NGPA. To assist in the processing of your application, please include the API Well Number on each separate sheet attached to the application.

Wells spudded on or after February 19, 1977, will usually qualify for the new, onshore production determination.

1. Minimum drilling unit (check one)

- a) Check if the well was drilled under a permit routinely granted by the Division or under variance granted by the Chief of the Technical Advisory Council.
- b) Check if drilling permit issued pursuant to exception tract statute, §1509.29.

2. Well Completion Record

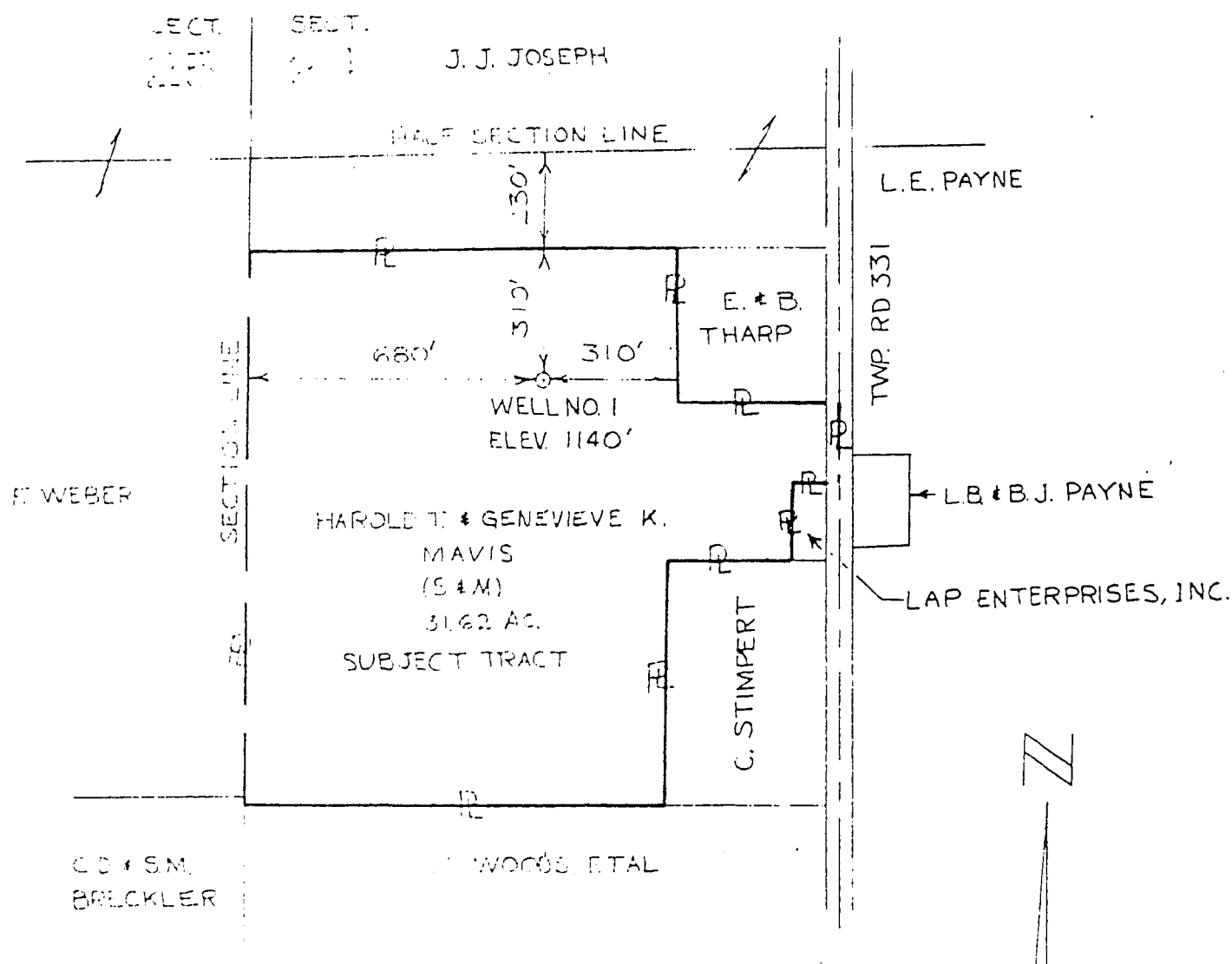
In order to obtain a 103 determination order as soon as possible, an application may be filed once total depth has been reached. If you choose to do this, you may leave blank the information requested on the Well Completion Record from "Type of Completion" through "Casing and Tubing Record." The rest of the form, however, must be completed in order to receive a 103 determination.

Remember that once the well is completed, you are still required to forward two (2) copies of the Well Completion Record (entirely filled out) and two (2) copies of the log to the Technical Section of the Division. The NGPA Section, however, does not need a copy of the final Well Completion Record.

3. Oath

- a) Please read the oath and be sure to comply with all its terms.
- b) If you are applying for a well drilled into an existing proration unit, you must submit information that establishes the well is necessary to efficiently and effectively drain the reservoir.
- c) Be sure the form is properly notarized. An Ohio notary is not valid without the original signature of the notary, notary seal and expiration date of the notary commission.

4. A reopened well or an old well drilled deeper will not qualify for a new, onshore production well determination.



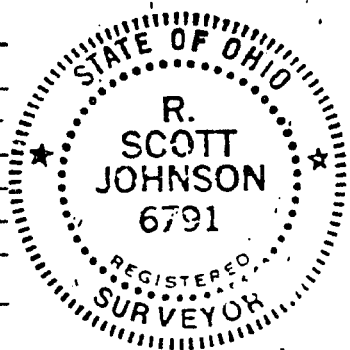
Scale: 1" = 400'

I hereby certify that all drilling or producing wells within 100 feet and all buildings and streams within 150 feet have been shown, there are no drilling unit lines nearer than 300 feet, that this plat is true and correct and was prepared according to the current State of Ohio, Department of Natural Resources, Division of Oil and Gas Regulations.

R. Scott Johnson
REG. SURVEYOR # 6791
OPERATOR Geo Energy
ADDRESS New Concord, Ohio
SURFACE OWNER Harold & Genevieve Mavis
MINERAL OWNER same
WELL NO. 1 DRILLING UNIT AC. 20
COUNTY Knox
TWP. Union
QUAD. Danville

OHIO PLANE COORDINATES
X 2,067,230
ZONE 200 700

NOTARY
EXP. DATE _____
SUBDIVISION CIVIL TWP. _____
TWP. 8N
RANGE 10W
QUARTER TWP. _____
SECTION 24 LOT _____
TRACT _____
ALLOTMENT _____
FRACTION _____ OTHER _____
ELEV. 1140 DATE 9/12/84
FIELD ☐ QUAD. ☒



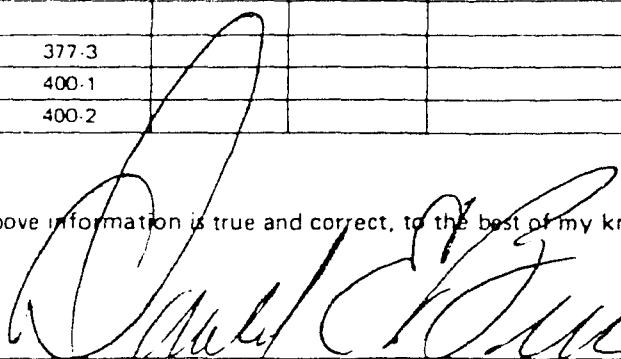
WELL COMPLETION RECORD
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS, FOUNTAIN SQ. BLDG. A, COLUMBUS, OH 43224

1. Owner #: <u>267</u>		Form 8 Revised 07/01/83 10/16/84	
2. Owner name, address & telephone numbers: GEO ENERGY INC 6280 BUSCH BLVD COLUMBUS OH 614-885-2384 43229		This report is due in duplicate 30 days after completion of the well. If the permit has expired and the well was not drilled, <input type="checkbox"/> check here, sign on reverse side, and return to our office within 30 days after expiration.	
4. Type of permit: Oil & Gas		3. API #: <u>34 083 2 3561 *</u>	
		5. County: <u>KNOX</u>	
7. Type of well: Drill New Well		6. Civil Township: <u>UNION</u>	
		8. Footage: 540' NL & 680' WL OF SW QTR, SEC 24(N	
9. X: <u>2,067,280</u> Y: <u>290,700</u>		21. Date drilling commenced: <u>03-22-85</u>	
10. Quad: <u>DANVILLE</u>		22. Date drilling completed: <u>04-17-85</u>	
11. Section: <u>24</u> 12. Lot: _____		23. Date put into production: <u>05-16-85</u>	
13. Fraction: _____ 14. Qtr Twp: _____		24. Date plugged if dry: <u>N/A</u>	
15. Tract _____		25. Producing formation: <u>Clinton Sandstone</u>	
16. Allot _____		26. Deepest formation: <u>Clinton Sandstone</u>	
17. Well #: <u>1</u>		27. Driller's total depth: <u>2897'</u>	
18. Lease Name: <u>HAROLD & GENEVIEVE MAVIS</u>		28. Logger's total depth: <u>2948'</u>	
19. PTD: <u>3200</u> 20. Drilling Unit: <u>31.62</u>			
29. Type of tools: <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Air Rotary <input type="checkbox"/> Fluid Rotary <input type="checkbox"/> Air/Fluid Rotary <input type="checkbox"/> Cable/Air Rotary <input type="checkbox"/> Cable/Fluid Rotary <input type="checkbox"/> Cable/Air Rotary/Fluid Rotary		30. Type of completion: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Through Casing <input type="checkbox"/> Slotted Liner	
31. Elevation Ground Level: <u>1140</u>		Derrick Floor: <u>1142</u> Kelley Bushing: <u>N/A</u>	
32. Perforated intervals & number of shots: 9 holes, 3 1/8" DML Densi-Jet 0.31" hole entry from 2896' to 2938'			
33. Method of shot, acid, or fracture treatments, production tests, pressures, etc: 75 quality N ₂ - Foam frac, Broke at 1740 PSI, Treated: 2,4,6 #/gas., 3 BPM, 2200 PSI, ISIP = 3000 PSI 6670 gas/water, 134 sks, 16/30 sand 230,000 SCF N ₂			
34. Mouse hole plugged <input type="checkbox"/> Yes <input type="checkbox"/> No _____ Sacks _____ Rat hole plugged <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No _____ Sacks <u>5</u> _____ N/A			
35. Amount of initial production: Natural Gas <u>10 MCF/Day</u> Oil <u>1 BOPD</u> Water <u>-0-</u> After Treatment Gas <u>25 MCF/Day</u> Oil <u>5 BOPD</u> Water <u>-0-</u> Lost Hole at _____ feet Additional Data _____			
36. Record of disposal of water and other waste including liquids used in fracture treatment: a. _____ Annular Disposal b. _____ Drilling Operations c. _____ Disposal Well County _____ Permit # _____ d. _____ Dust/Ice Control County _____ Township or Municipality _____ e. _____ Secondary Recovery County _____ Permit # _____ f. <u>XX</u> Salt Water Haulers (Name and telephone number) 1. <u>Jack Fishburn Water Truck Service (419) 253-6031</u> 2. _____			
37. Casing and tubing record: Please indicate which is used (cement or mudding)			
Size	Feet Used in Drilling	Amount of Cement or Mud	Feet Left in Well
<u>10 3/4"</u>	<u>20'</u>	<u>N/A</u>	<u>20'</u>
<u>8 5/8"</u>	<u>405'</u>	<u>40 sks fire clay</u>	<u>405'</u>
<u>7"</u>	<u>955'</u>	<u>N/A</u>	<u>0</u>
<u>4 1/2"</u>	<u>2960'</u>	<u>40 sks neat</u>	<u>2960'</u>
Comments: _____			
38. Name of drilling contractor: <u>Albert Ferenbaugh Drilling</u>			
39. Type of electrical and/or radioactivity logs run: (All logs must be submitted) <u>Compensated-Density-Neutron-Perforating-Cement Bond</u>			
40. Name of logging company: <u>Perfection Services, Inc.</u>			
DIVISION USE ONLY: Log Submitted: _____ Well Class: <u>POOL</u> A/D: _____			

FORMATION		TOP	BASE	Shows of oil, gas, fresh water, or Brine – indicate depth or interval and amount	REMARKS
Fresh Water Strata		0	50		
Coal Seams					
Gray Shale		50	150		
1st Cow Run	321-6				
2nd Cow Run	324-1				
Maxton Sand	328-4				
Keener Sand	337-1				
Big Injun Sand	337-2	150	360		
Gray & Brown Shale		360	810		
Berea Sand	337-6	810	815		
Ohio Shale	341-1	815	1270		
Little Cinnimon		1270	1395		
Gray Shale		1395	1435		
Big Cinnimon		1435	1735		
Gray & Brown Shale		1735	1866		
Big Lime	344-4	1866	2005		
Salt		2005	2075		
Oriskany	347-2				
Gray Shale		2975	2844		
Salina	351-2				
Newburg	351-3				
Lockport	354-1				
Little Lime	354-3				
Packer Shell	354-5	2844	2870		
Stray Clinton	357-2	2870	2894		
Red Clinton	357-3	2894	2910		
White Clinton	357-4	2910	2940		
Gray Shale		2940	2970		
Medina	357-7				
Queenston	361-3				
Trenton Lime	364-3				
Black River	364-4				
Gull River	364-5				
Glenwood Shale	364-6				
Rose Run	367-3				
Trempealeau	371-2				
Mt. Simon	377-3				
Granite wash	400-1				
Granite	400-2				

I (We) certify that the above information is true and correct, to the best of my knowledge.

SIGNATURE



DATE May 23, 1985

NAME (TYPED OR PRINTED)

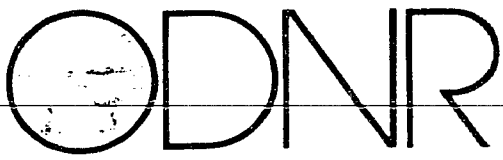
Donald E. Burns

TITLE

President

REPRESENTING

Geo Energy, Inc.



Ohio Department of Natural Resources

DIVISION OF OIL & GAS
Fountain Square • Columbus, Ohio 43224 • (614) 265-6922

June 25, 1985

Geo Energy, Inc.
6280 Busch Blvd,
Columbus, Ohio 43229

RE: NGPA SECTION 103
083-3561-3
#1 Mavis

Dear Sirs:

The above referenced Section 103 (new, onshore production well) application(s) require the following correction(s) or additional documentation:

- () Signature on FERC 121 Form
- (X) An original and one copy of the 103 Well Classification Form; and/or specifically:
 - () Applicants original signature
 - (X) Notary's original signature
 - (X) Notary's expiration date
 - (X) Notary's seal
 - (X) Other:
- () Two (2) copies of Well Completion Record
- () Date drilling commenced on Well Completion Record
- () Two (2) copies of Location Plat

Please return the requested information to my attention along with a copy of this letter. If you have any questions, please contact me at 265-6438.

Sincerely,

Rose Lehman

RL/adc

DETERMINATION ORDER

RUN DATE: 07/10/85

PAGE: 03

NAME	API#	SECTION	WELL#	LEASE NAME	DETERM
CARLESS RESOURCES, INC.	119 2 7255	103	CR 118	CONSOLIDATION COAL	A
	119 2 7255	107 C	CR 118	CONSOLIDATION COAL	A
	119 2 7256	103	CR 119	CONSOLIDATION COAL	A
	119 2 7256	107 C	CR 119	CONSOLIDATION COAL	A
	119 2 7257	103	CR 120	CONSOLIDATION COAL	A
	119 2 7257	107 C	CR 120	CONSOLIDATION COAL	A
	119 2 7258	103	CR 121	CONSOLIDATION COAL	A
	119 2 7258	107 C	CR 121	CONSOLIDATION COAL	A
CAVENDISH PETROLEUM OF OH	119 2 3861	108	18MC	OHIO POWER	A
	119 2 4313	108	2ME	FENTON	A
	121 2 1949	108	1MD	LARRICK	A
CLARENCE SHERMAN	157 2 4163	103	1	RANGE PETROLEUM	A
	157 2 4163	107 C	1	RANGE PETROLEUM	A
	157 2 4165	103	1	KRIZMAN ENTERPRISES UNIT	A
	157 2 4165	107 C	1	KRIZMAN ENTERPRISES UNIT	A
CREST PETROLEUM, INC.	167 2 7836	103	3	D. MILLER	A
DERRICK PETROLEUM, INC.	031 2 5435	107 C	1	CHARLES HARDESTY	A
DORAN & ASSOCIATES, INC.	053 2 0769	103	1 KV-33	BOB EVANS HIDDEN VALLEY RANCH	A
FORTUNE GAS & OIL, INC.	055 2 1209	107 C	1	YOUSHAKE	A
	055 2 1210	107 C	2	YOUSHAKE	A
FUTURE ENERGY CORP.	115 2 3424	107 C	6	R. LOWE	A
G & J OIL & GAS	111 2 2041	103	1	BAKER	A
GEO ENERGY, INC.	083 2 3561	103	1	MAVIS	A
GEORGE W. SHARP	127 2 1715	103	1	JAMES CAROL SATTERFIELD	N
HARRY A. HOLTOM	119 2 7261	102	5 CODE 3	RALPH VAN SICKLE	A
LOMA ENTERPRISES, INC.	155 2 2730	107 C	1	CONRAIL	A

85-28
WEEK OF JULY 12, 1985

United States of America
Federal Energy Regulatory Commission
ISSUED AUGUST 19, 1985

Notices of Determinations By Jurisdictional Agencies

NOTE !!! By Final Rule in Docket No. RM82-30-000, issued in Order No. 394 on August 31, 1984, all jurisdictional determinations received by the Commission after October 7, 1984, are subject to a \$25 per determination filing fee. Applicants will be billed on a calendar-year basis. The first bills covered determinations received by the Commission on October 9, 1984 through December 31, 1984, and were mailed in May. Bills for determinations received in 1985 will be mailed in 1986. Applicants wishing bills to be sent to an address different from that listed on the Form 121 should notify Brooks Carter, Room 6410, Federal Energy Regulatory Commission, 825 N. Capitol Street, N.E., Washington, D.C. 20426. Please include your company's FERC/EIA Buyer/Seller code with your request. Persons wishing to subscribe to these notices should contact TS Infosystems, Inc., Attn: Mr. Milton Chichester, 825 North Capitol Street, Room 1000, Washington, D.C. 20426. Copies of Order No. 362 and Order No. 394 are available from the same source.

The following notices of determination were received from the indicated jurisdictional agencies by the FERC pursuant to the NGPA and 18 CFR 274.104. Negative determinations are indicated by a "D" before the section code. Estimated annual production is in million cubic feet (MMCF).

The applications for determination are available for inspection except for material which is confidential under 18 CFR 275.206, at the FERC, 825 North Capitol St., Room 1000, Washington, D.C. Persons objecting to any of these determinations may file a protest, in accordance with 18 CFR 275.203 and 275.204, within 20 days after the date the notice is issued by the Commission.

Source data from the Form 121 for this and all previous notices is available on magnetic tape from the National Technical Information Service (NTIS). For information, contact Stuart Weisman (NTIS) at (703) 487-4808, 5285 Port Royal Road, Springfield, Va 22161.

Categories within each NGPA section are indicated by the following codes:

Section 102-1: New OCS lease	Section 107-DP: 15,000 feet or deeper	Section 108: Stripper well
102-2: New well (2.5 Mile rule)	107-GB: Geopressured brine	108-SA: Seasonally affected
102-3: New well (1000 Ft rule)	107-CS: Coal Seams	108-ER: Enhanced recovery
102-4: New onshore reservoir	107-DV: Devonian Shale	108-PB: Pressure buildup
102-5: New reservoir on old OCS lease	107-PE: Production enhancement	
	107-TF: New tight formation	
103 : New onshore production well	107-RT: Recompletion tight formation	

Kenneth F. Plumb
Secretary

DC-C-55

NOTE: \$25 FILING FEE APPLIES TO ALL DETERMINATIONS RECEIVED AFTER 10/7/84

85-28

NOTICE OF DETERMINATIONS
ISSUED AUGUST 19, 1985

VOLUME 1404

JD NO	JA DKT	API NO	D SEC(1)	SEC(2)	WELL NAME	FIELD NAME	PROD	PURCHASER
KANSAS CORPORATION COMMISSION								

-AMOCO PRODUCTION CO RECEIVED: 07/29/85 JA: KS								
8540772	K-84-0517	1502120295	103		W M WILSON "A" #3	VICTORY	410.0	KANSAS POWER & LI
MONTANA BOARD OF OIL & GAS CONSERVATION								

-MIDLANDS GAS CORPORATION RECEIVED: 07/29/85 JA: MT								
8540771	2-85-8	2507121522	108		3370 KALLNER #1	WILDCAT	15.0	K N ENERGY INC
-SHELL WESTERN E&P INC RECEIVED: 07/29/85 JA: MT								
8540767	2-85-11	2502521327	103		PENNEL UNIT 11-20C (DENVER)	PENNEL BN-60E	8.0	MONTANA DAKOTA UT
8540768	1-85-6	2502521316	103		UNIT 24-21 (EN)	C/BIN CREEK 16N-58E	12.3	MONTANA DAKOTA UT
8540769	1-85-5	2502521326	103		UNIT 33-19C (EN)	PENNEL BN-60E	1.0	MONTANA DAKOTA UT
-SUN EXPLORATION & PRODUCTION CO RECEIVED: 07/29/85 JA: MT								
8540770	2-85-10	2508521473	102-2		BEWICK #1	BAINVILLE	77.0	
OHIO DEPARTMENT OF NATURAL RESOURCES								

-CARLESS RESOURCES INC RECEIVED: 07/29/85 JA: OH								
8540776	3411927255	103			107-TF CONSOLIDATED COAL - CR #118	MADISON	15.3	LTV STEEL CO INC
8540777	3411927256	103			107-TF CONSOLIDATION COAL - CR #119	MADISON	14.2	LTV STEEL CO INC
8540778	3411927257	103			107-TF CONSOLIDATION COAL - CR #120	MADISON	14.6	LTV STEEL CO INC
8540779	3411927258	103			107-TF CONSOLIDATION COAL - CR #121	MADISON	10.4	LTV STEEL CO INC
-CAVENDISH PETROLEUM OF OHIO INC RECEIVED: 07/29/85 JA: OH								
8540781	3411924313	108			FENTON 2ME		4.6	COLUMBIA GAS TRAN
8540782	3412121949	108			LARRICK 1MD		4.0	EAST OHIO GAS CO
8540780	3411923861	108			OHIO POWER 12MC		13.5	EAST OHIO GAS CO
-CLARENCE SHERMAN RECEIVED: 07/29/85 JA: OH								
8540784	3415724165	103			107-TF KRIZMAN ENTERPRISES UNIT #1	LAWRENCE	275.0	EAST OHIO GAS CO
8540783	3415724163	103			107-TF RANGE PETROLEUM #1	LAWRENCE	766.5	EAST OHIO GAS CO
-CREST PETROLEUM INC RECEIVED: 07/29/85 JA: OH								
8540785	3416727836	103			O MILLER #3	PALMER	1.0	OHIO GAS MARKETIN
-DERRICK PETROLEUM INC RECEIVED: 07/29/85 JA: OH								
8540786	3403125435	107-TF			CHAR: ES HAPDESTY #1	VIRGINIA	34.0	NATIONAL GAS & OI
-DORAN & ASSOCIATES INC RECEIVED: 07/29/85 JA: OH								
8540787	3405320769	103			BOB EVANS HIDDEN VAL RAN #1 KV-33	SPRINGFIELD	15.0	COLUMBIA GAS TRAN
-FORTUNE GAS AND OIL INC RECEIVED: 07/29/85 JA: OH								
8540788	3405521209	107-TF			YOUSHAH #1	HUNTSBURG	25.0	EAST OHIO GAS CO
8540789	3405521210	107-TF			YOUSHAH #2	HUNTSBURG	20.0	EAST OHIO GAS CO
-FUTURE ENERGY CORPORATION RECEIVED: 07/29/85 JA: OH								
8540790	3411523424	107-TF			R LOWE #6	MALTA MEDINA	20.0	COLUMBIA GAS OF O
-G & J OIL & GAS RECEIVED: 07/29/85 JA: OH								
8540791	3411122041	103			BAKER #1	CENILR	11.5	
-GEO ENERGY INC RECEIVED: 07/29/85 JA: OH								
8540792	3408323561	103			MAVIS #1	UNION	0.0	
-GEORGE W SHARP RECEIVED: 07/29/85 JA: OH								
8540793	3412721715	103			JAMES CAROL SATTERFIELD #1	READING	1.0	NATIONAL GAS & OI
-HARRY A HOLTOM RECEIVED: 07/29/85 JA: OH								