

- 4830

LICKING

4830 -

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

OIL AND GAS WELL
DRILLING PERMIT

API WELL NUMBER

3 4089 2

4830
PERMIT

**1 4

FORM 51: REVISED 7/83

OWNER/OPERATOR NAME, ADDRESS:

JONSU OIL CORP
1864 CHERRY VALLEY RD
NEWARK OH
43055

DATE ISSUED:

05/08/84

PERMIT EXPIRES:

11/04/84

TELEPHONE NUMBER:

614-522-2154

IS HEREBY GRANTED PERMISSION TO: Reissue 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 THOMAS

WELL NUMBER 5

COUNTY LICKING

CIVIL TOWNSHIP

TRACT OR ALLOTMENT

FOOTAGE LOCATION

FALLSBURY

SECTION

23

LOT

FRACTION

QUARTER TOWNSHIP

970' SL & 450' WL OF NW QTR, SEC 23

TYPE OF TOOLS: Cable

PROPOSED TOTAL DEPTH 3060

FEET

GROUND LEVEL ELEVATION 1065

GEOLOGICAL FORMATION(S)

CLINTON

ULTIMATE DISPOSAL OF WATER AND OTHER WASTE SUBSTANCES:

See letter for Annular Disposal

Dust and Ice

LICKING

FALLSBURY

Salt Water Haulers

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

10" DRIVE PIPE LANDED IN BEDROCK APPROX. 20'

8 5/8" 50' BELOW BIG INJUN @ 510' W/PREPARED CLAY PRESSURE CIRCULATED TO SUR

7" APPROX. 800' THRU BEREA

4-1/2" PRODUCTION CASING 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.

425 DONAVAN DR

NEWARK

OH

614-366-5722

BELL, LEWIS - SUPVR.

614-366-3068

DEPUTY MINE INSPECTOR: MUST BE NOTIFIED IF WELL IN A COAL-

BEARING TOWNSHIP IS TO BE PLUGGED AND ABANDONED.

A. BALLINT 614-454-7950

614-635-1039

BACKUP INSP. F. STONE

614-439-1064

FIRE AND EMERGENCY NUMBERS:

FIRE: 614-919

MEDICAL SERVICE: 614-919

SPECIAL CONDITIONS:

/s/ Renee J. Houser

CHIEF, DIVISION OF OIL AND GAS

WHITE - WELL SITE 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

1. APPLICATION NUMBER 92492 PERMIT# 4830
2. OPERATOR Jonson Oil Corp
3. API 089 COUNTY Licking
Plug Back _____ Reissue _____ Deepen _____ Convert _____
SW Well _____ Rev Loc _____ Reopen _____

5. Application Entered
Application Part A / Initials D Date 4-25
Application Part B /
Restoration Plan /
Salt Water Hauler /
Co. Engineer File /

6. Date Time Stamp PIC 4/23
7. Fee \$95.00: Check No(s) 7331 190.00
8. Sent to Division of Mines PIC 4/25
9. Technical Review gt 18
10. Special Area/Samples Yes () No () 18

11. Returned Division of Mines AKW 5/8
12. Geologist Approval mk 5/9
13. Permit: Taken (Mailed)
14. Called Inspector if mailed _____
15. Final Map Check gt 18

16. Comments _____
17. Date - Time - Initials _____

RUN DATE: 840423

PROOF SHEET

PAGE: 4

1 SURETY#: 5 APP#: 92492 16 CNTY: LICK 17 TWP: FALLSBURY 10 TYPE APP: RN 12 PURP: OG 13 STORAGE:
 24 SEC: 23 25 LOT: 26 FRACT: 27 QTR TWP: 28 TRACT: 29 ALLOT:
 22 WELL: 5 23 LEASE NAME: THOMAS 31 FORM: CLINTON 30 PTD: 3060 D UNIT: 20
 33 TOOL: CT 34 COAL B: Y 36 FIRE: 614-919 37 MED: 614-919 38 QUAD: PERRYTON
 39 X COORD: 2,071,940 40 Y COOR: 793,810 41 ELEVA: 1065 42 WELL CLASS: *For*

PREVIOUSLY PERMITTED

2 API: 089 3 DRL/D: 2 4 PERMIT: 4830
 6 TYPE APP: NW 7 PURP: OG 8 WELL: S 9 LEASE NAME: THOMAS 10 PTD: 3060 11 FORM: CLINTON
 13 ST SURF: N 16 ST MIN: N 19 RE NOT: 21 REG: D 22 CALL: 86 23 DISP: A: AD 24 B: DI 25 C: SH 26 SW CNTY: 27 SW PER:
 28 DI CNTY: *Lick* 29 DI TWP: FALLSBURY 30 SR CNTY: 31 SR PER: 32 ID DATE: 34 CON AMT: 0
 33 CONTRACTOR:

CASINO PROGRAM:

9	10	10
33	230	570
07	7	800
00		

FOOTAGE:

470'S. & 450' WL 9
NW 1/4 Sec 23

SPEC COND

OR CSG: (12 APB) -- FUTURE

48 TECH DATE: *5/4*
 49 GEO DATE: *5/5*
 50 GEO INT: *NB 5/8*
 51 ISSUE: _____
 52 REISSUE: _____

APPLICATION FOR A PERMIT
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS, FOUNTAIN SQ., BLDG. A, COLUMBUS, OH 43224 52492

INSTRUCTIONS ON REVERSE SIDE		FORM 1: Revised 12/06/82
1. I, We (applicant) <u>JONSU OIL CORP.</u>		2. Owner # <u>B-000007</u>
(address) <u>P.O. BOX 498, GRANVILLE, OHIO 43023</u>		Phone # <u>614-522-2154</u>
hereby apply this date <u>April 18</u> , 19 <u>84</u> for a permit to:		
<input checked="" type="checkbox"/> Drill <input type="checkbox"/> Plug Back <input type="checkbox"/> Plug & Abandon <input type="checkbox"/> Convert <input type="checkbox"/> Reopen <input type="checkbox"/> Deepen		
<input checked="" type="checkbox"/> Reissue <input type="checkbox"/> Reissue & Revised Location		
3. TYPE OF WELL: <input checked="" type="checkbox"/> Oil & Gas <input type="checkbox"/> Artificial Brine <input type="checkbox"/> Saltwater Injection <input type="checkbox"/> Strat Test		
<input type="checkbox"/> Industrial Waste <input type="checkbox"/> Storage of: <input type="checkbox"/> Other: Explain		
<input type="checkbox"/> *Solution Mining <input type="checkbox"/> *Enhanced Recovery		
(If type chosen has an asterisk (*), check appropriate box below)		
<input type="checkbox"/> Input/Injection <input type="checkbox"/> Water Supply <input type="checkbox"/> Production/Extraction <input type="checkbox"/> Observation		
4. MAIL PERMIT TO:	<u>JONSU OIL CORP.</u> <u>P.O. BOX 498</u> <u>GRANVILLE, OHIO 43023</u>	24. TYPE OF TOOLS
5. COUNTY:	<u>LICKING</u>	<input checked="" type="checkbox"/> Cable <input type="checkbox"/> Air Rotary
6. CIVIL TOWNSHIP:	<u>FALLSBURY</u>	<input type="checkbox"/> Fluid Rotary <input type="checkbox"/> Air & Fluid Rotary
7. SECTION:	<u>23</u>	<input type="checkbox"/> Cable & Air Rotary
8. LOT:		<input type="checkbox"/> Cable & Fluid Rotary
9. FRACTION:		<input type="checkbox"/> Cable & Air Rotary & Fluid Rotary
10. QTR TWP:		25. PROPOSED CASING PROGRAM:
11. TRACT/ALLOT:		<u>10" about 20' in bedrock; 8" about 500' thru Bq</u>
12. WELL #:	<u>5</u>	<u>Injunct pressure mudbed to surface when run;</u>
13. LEASE NAME:	<u>THOMAS</u>	<u>7" about 800' thru Berea; 4 1/2" production</u>
14. PROPOSED TOTAL DEPTH:	<u>3000</u>	<u>Casing, cemented.</u>
15. GEOLOGICAL FORMATION:	<u>CLINTON</u>	
16. DRILLING UNIT IN ACRES (must be same as acres indicated on plat):	<u>20</u>	26. IF SURFACE RIGHTS ARE OWNED BY THE STATE OF OHIO, DEPARTMENT OF NATURAL RESOURCES:
IF PERMITTED PREVIOUSLY:		Division <u>N/A</u>
17. API #: <u>340292</u> <u>2230</u> * * 14		Telephone <u>N/A</u>
18. OWNER:	<u>JONSU OIL CORP.</u>	27. FIRE AND MEDICAL DEPT. TELEPHONE NUMBERS
19. WELL #:	<u>5</u>	Closest to Well Site:
20. LEASE NAME:	<u>THOMAS</u>	Fire <u>614</u> - <u>919</u>
21. PREVIOUS TOTAL DEPTH:	<u>not yet drilled</u>	Medical <u>614</u> - <u>919</u>
22. PREVIOUS GEOLOGICAL FORMATION:	<u>CLINTON</u>	
23. LANDOWNER ROYALTY INTEREST		28. MEANS OF INGRESS
Name <u>Gladys M. Thomas, widow, Robert J. Thomas, son</u>		CO Rd <u>586</u> TWP Rd
Address <u>715 Newark Rd., Granville, OH 43023</u>		Municipal Rd
Name <u>Norman L. & Nadzia Thomas, husband & wife</u>		State Hwy <u>586</u>
Address <u>6642 Ham Bunker Dr., Middletown, OH</u>		29. MEANS OF EGRESS
Name <u>Mary P. and Richard A. Nerner, wife & husband</u>		CO Rd <u>586</u> TWP Rd
Address <u>203A Allyn Rd., Fairbanks, Alaska 99701</u>		Municipal Rd
		State Hwy <u>586</u>
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. <input checked="" type="checkbox"/> Annular Disposal b. <input type="checkbox"/> Drilling Operations		
c. <input type="checkbox"/> Salt Water Injection Well: County <u>Fallsburg</u> Permit #		
d. <input checked="" type="checkbox"/> Dust/Ice Control: County <u>Fallsburg</u> Township or Municipality <u>Fallsburg</u>		
e. <input type="checkbox"/> Enhanced Recovery: County <u>Fallsburg</u> Permit #		
f. <input type="checkbox"/> Salt Water Haulers' names, addresses and telephone numbers:		
1. <u>Ronald F. Moran, 18506 Pinewood Trail, NE, Froydsburg, OH 43822, 614/763-3991</u>		
2. <u>Sue Ann and P.F.B. Tatham, wife & husband, St. Anthony, Pilgrimage Way, Surrey, England</u>		

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 therein 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 thereon, and to 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 drainageways 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 4513.34 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 1509.072 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 1509.13, Ohio Revised Code, have been given.

That 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 John M. Cochrane

Name (Type or Print) JOHN M. COCHRANE

Title PRESIDENT

If signed by Authorized Agent, a certified copy of appointment of agent must be on file.

SWORN to and subscribed before me this the 18th day of APRIL 19 84

(Notary Public)

(SEAL)

-DAVID BLOCK-

(Date Commission Expires)

Notary Public, State of Ohio

My Commission Expires Mar. 2, 1988

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

52492

INSTRUCTIONS ON REVERSE SIDE		FORM 1: Revised 12/06/82
1. I, We (applicant) <u>JONSU OIL CORP.</u>		2. Owner # <u>B-000007</u>
(address) <u>P.O. BOX 498, GRANVILLE, OHIO 43023</u>		Phone # <u>614-522-2154</u>
hereby apply this date <u>April 18</u> , 19 <u>84</u> for a permit to:		
<input checked="" type="checkbox"/> Drill <input type="checkbox"/> Plug Back <input type="checkbox"/> Plug & Abandon <input type="checkbox"/> Convert <input type="checkbox"/> Reopen <input type="checkbox"/> Deepen		
<input checked="" type="checkbox"/> Reissue <input type="checkbox"/> Reissue & Revised Location		
3. TYPE OF WELL: <input checked="" type="checkbox"/> Oil & Gas <input type="checkbox"/> Artificial Brine <input type="checkbox"/> Saltwater Injection <input type="checkbox"/> Strat Test		
<input type="checkbox"/> Industrial Waste <input type="checkbox"/> Storage of: <input type="checkbox"/> Other: Explain		
<input type="checkbox"/> *Solution Mining <input type="checkbox"/> *Enhanced Recovery		
(If type chosen has an asterisk (*), check appropriate box below)		
<input type="checkbox"/> Input/Injection <input type="checkbox"/> Water Supply <input type="checkbox"/> Production/Extraction <input type="checkbox"/> Observation		
4. MAIL PERMIT TO:	24. TYPE OF TOOLS	
<u>JONSU OIL CORP.</u>	<input checked="" type="checkbox"/> Cable <input type="checkbox"/> Air Rotary	
<u>P.O. BOX 498</u>	<input type="checkbox"/> Fluid Rotary <input type="checkbox"/> Air & Fluid Rotary	
<u>GRANVILLE, OHIO 43023</u>	<input type="checkbox"/> Cable & Air Rotary	
	<input type="checkbox"/> Cable & Fluid Rotary	
	<input type="checkbox"/> Cable & Air Rotary & Fluid Rotary	
5. COUNTY: <u>CLINTON</u>	25. PROPOSED CASING PROGRAM:	
6. CIVIL TOWNSHIP: <u>FALLSBURY</u>	<u>10" about 20' in depth; 8" about 500' from Big</u>	
7. SECTION: <u>23</u>	<u>Injunct pressure muddled to surface when run;</u>	
8. LOT: <u></u>	<u>7" about 800' from Borea; 4 1/2" production</u>	
9. FRACTION: <u></u>	<u>Casing, cemented.</u>	
10. QTR TWP: <u></u>		
11. TRACT/ALLOT: <u></u>		
12. WELL #: <u>5</u>		
13. LEASE NAME: <u>THOMAS</u>		
14. PROPOSED TOTAL DEPTH: <u>3060</u>		
15. GEOLOGICAL FORMATION: <u>CLINTON</u>		
16. DRILLING UNIT IN ACRES (must be same as acres indicated on plat): <u>20</u>	26. IF SURFACE RIGHTS ARE OWNED BY THE STATE OF OHIO, DEPARTMENT OF NATURAL RESOURCES	
IF PERMITTED PREVIOUSLY:	Division <u>N/A</u>	
17. API #: <u>3402220030</u> * * 14	Telephone <u></u>	
18. OWNER: <u>JONSU OIL CORP.</u>	27. FIRE AND MEDICAL DEPT. TELEPHONE NUMBERS	
19. WELL #: <u>5</u>	Closest to Well Site:	
20. LEASE NAME: <u>THOMAS</u>	Fire <u>614</u> - <u></u>	
21. PREVIOUS TOTAL DEPTH: <u>not yet drilled</u>	Medical <u>114</u> - <u></u>	
22. PREVIOUS GEOLOGICAL FORMATION: <u>CLINTON</u>	28. MEANS OF INGRESS	
23. LANDOWNER ROYALTY INTEREST	CO Rd <u></u> TWP Rd <u></u>	
Name <u>Gladys M. Thomas, widow, Robert J. Thomas, son</u>	Municipal Rd <u></u>	
Address <u>715 Newark Rd., Granville, OH 43023</u>	State Hwy <u>586</u>	
Name <u>Norman L. & Nadzia Thomas, husband & wife</u>	29. MEANS OF EGRESS	
Address <u>6142 Hans Brinker Dr., Middletown, OH</u>	CO Rd <u></u> TWP Rd <u></u>	
Name <u>Mary P. and Richard A. Nerven, wife & husband</u>	Municipal Rd <u></u>	
Address <u>2038 Alton Rd., Fairbanks, Alaska 99701</u>	State Hwy <u>586</u>	
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. <input checked="" type="checkbox"/> Annular Disposal b. <input type="checkbox"/> Drilling Operations		
c. <input type="checkbox"/> Salt Water Injection Well; County <u></u> Permit # <u></u>		
d. <input checked="" type="checkbox"/> Dust/Ice Control: County <u></u> Township or Municipality <u>Fallsbury</u>		
e. <input type="checkbox"/> Enhanced Recovery: County <u></u> Permit # <u></u>		
f. <input type="checkbox"/> Salt Water Haulers' names, addresses and telephone numbers:		
1. <u>Ronald F. Moran, 18566 Pinewood Trail, NE, Froyensburg, OH 43872, 614/763-3991</u>		
2. <u></u>		

* Sue Ann and P.F.B. Tatham, wife & husband, St. Anthony, Pilgrims Way, West Humble, Donning, Surrey, England

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 therein 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 thereon, and to appropriate the oil or gas that I produce therefrom either for myself or others. And furthermore, I the undersigned, being first 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 4513.34 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 1509.072 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 1509.13, Ohio Revised Code, have been given.

That 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

Name (Type or Print) JOHN M. COCHRANE

Title PRESIDENT

If signed by Authorized Agent, a certified copy of appointment of agent must be on file.

SWORN to and subscribed before me this the 18TH day of APRIL, 1984.

(Notary Public)

(SEAL)

-DAVID BLOCK

(Date Commission Expires)

Notary Public, State of Ohio
My Commission Expires Mar. 2, 1988

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.

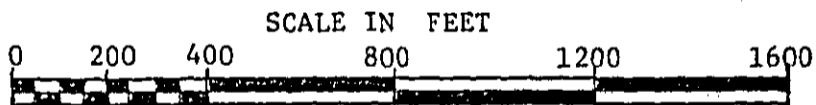
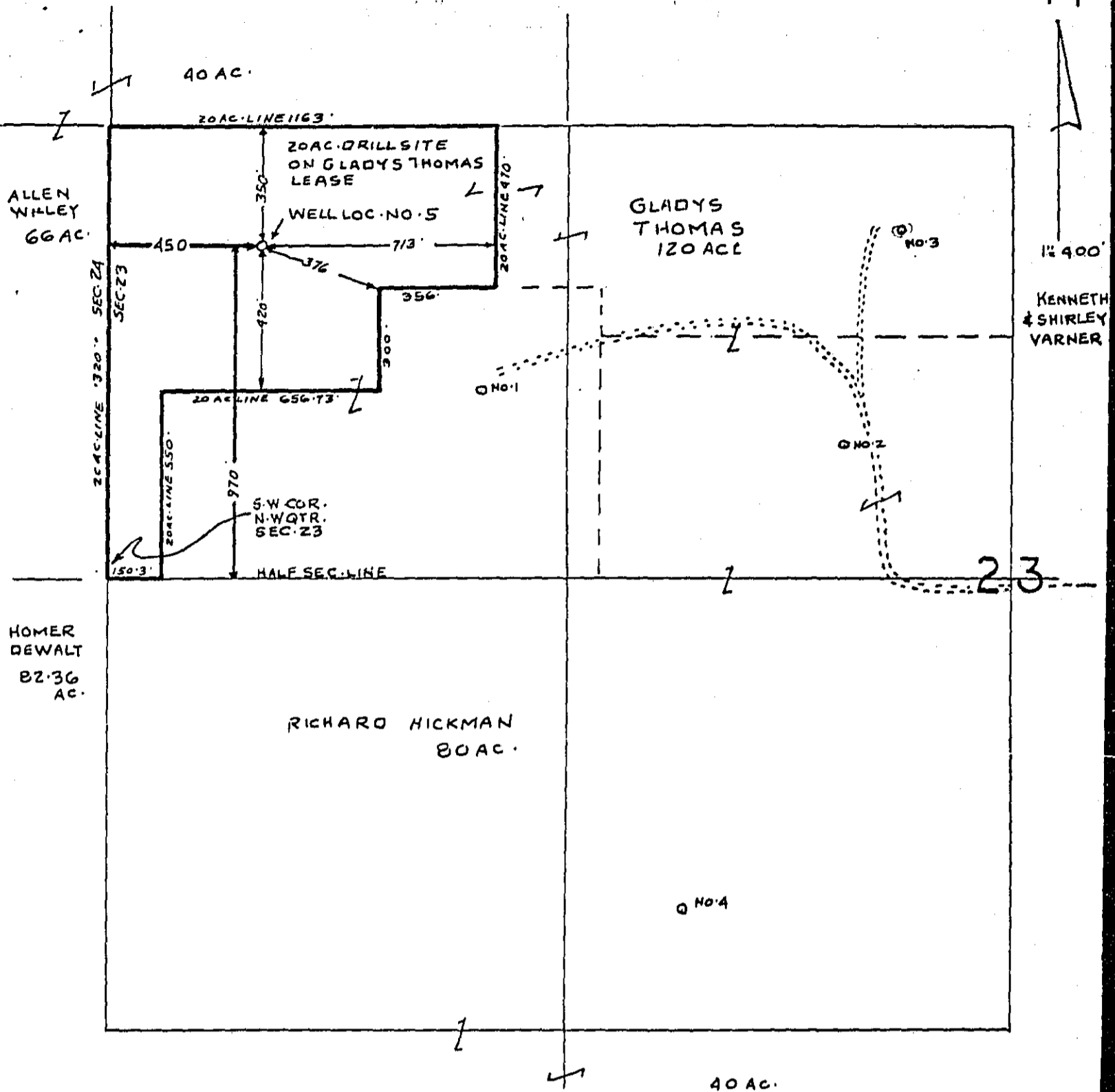
Item 27. Indicate fire and medical department emergency telephone numbers closest to the well site.

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	<i>Rene J. Houser</i>
Application referred to Division of Mines?	Date	By	
Approved by <i>Charles R. Williams</i>	Date <i>4-26-84</i>		APR 25 1984
Disapproved by	Date		
Explanation			



I hereby certify that all drilling or producing wells within 600 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.

Richard Max Graves, Reg. Surveyor No. 5792
2925 Kenlo Woods Dr., Nashport, Ohio 43830
PH. 614-454-1029

Richard Max Graves

REG. SURVEYOR#

NOTARY

EXP. DATE

OPERATOR TOWNSHIP OIL CORP.
ADDRESS P.O. BOX 498 GRANVILLE, OHIO 43023
SURFACE GLADYS THOMAS

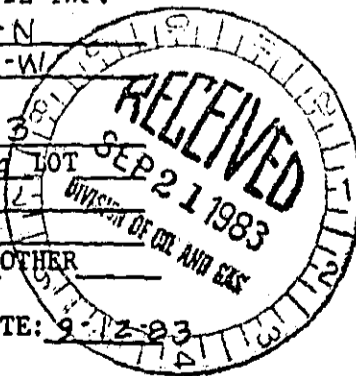
LANDOWNER
MINERALS GLADYS THOMAS
WELL NO. 5 DRILLING UNIT AC. 20
COUNTY LICKING
TWP. FALLSBURY
QUAD. PERRYTON

OHIO PLANE COORDINATES
X 2,071,940'
Y 793,810

SUBDIVISION CIVIL TWP.
TWP. 4-N
RANGE 10-W

QUARTER TWP. 3
SECTION 23 NW 1/4
TRACT 1
ALLOTMENT
FRACTION OTHER

ELEV. 1065.0' DATE: 9-12-83



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

1. DATE OF APPLICATION: <u>4/10/84</u>		FORM 4: Revised 06/01/81	
2. OWNER NAME, ADDRESS, & TELEPHONE #'s: JONSU OIL CORP. P.O. BOX 498 GRANVILLE, OHIO 43023		3. API #: <u>3402222232</u> * * 14 _ 4. WELL #: <u>5</u> 5. LEASE NAME: <u>THOMAS</u> 6. PROPERTY OWNER: <u>Gladys M. Thomas et al</u> 7. COUNTY: <u>LICHING</u> 8. CIVIL TOWNSHIP: <u>FALLSBURY</u> 9. SECTION: <u>23</u> NW/4 10. LOT:	
11. CURRENT LAND USE: <input type="checkbox"/> Cropland <input type="checkbox"/> Commercial <input type="checkbox"/> Pasture <input type="checkbox"/> Idle Land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Residential <input type="checkbox"/> Industrial <input type="checkbox"/> Unreclaimed strip mine <input checked="" type="checkbox"/> Woodland: Circle <u>Broad-leaved</u> or <u>Needlelike</u>		17. TYPE OF WELL: <input type="checkbox"/> Oil <input type="checkbox"/> Gas <input type="checkbox"/> Other	
12. SLOPE GRADIENT & LENGTH DETERMINED FROM: <input checked="" type="checkbox"/> Ground measurement <input type="checkbox"/> U.S. Geological Survey Topographical Maps <input type="checkbox"/> Other, explain _____		18. STEEPEST SLOPE GRADIENT CROSSING SITE: <input type="checkbox"/> 0 to 2% <input checked="" type="checkbox"/> 2.1 to 8% <input type="checkbox"/> 8.1 to 10% <input type="checkbox"/> 10.1 to 24% <input type="checkbox"/> greater than 24%	
13. TYPE OF FALL VEGETAL COVER: <input type="checkbox"/> Little or no vegetal cover <input 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 checked="" type="checkbox"/> Trees with sparse low brush <input type="checkbox"/> Trees with dense low brush		19. LENGTH OF STEEPEST SLOPE CROSSING SITE: <input checked="" type="checkbox"/> 1 to 100 ft. <input type="checkbox"/> 101 to 200 ft. <input type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft.	
14. SOIL & RESOILING MATERIAL AT WELLSITE: <input type="checkbox"/> Stockpile & protect topsoil to be used when preparing seedbed <input type="checkbox"/> Use of soil additives (e.g. lime, fertilizer) <input checked="" 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 type="checkbox"/> No trees disturbed <input type="checkbox"/> Haul to landfill <input type="checkbox"/> Cut into firewood <input type="checkbox"/> Sell to lumber co. <input checked="" 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: <input type="checkbox"/> Construct diversions channelled to naturally established drainage systems <input type="checkbox"/> Construct terraces across slopes <input type="checkbox"/> Grade to approximate original contour <input checked="" type="checkbox"/> Grade to minimize erosion & control offsite runoff <input type="checkbox"/> 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: <input checked="" type="checkbox"/> No seeding plan proposed <input type="checkbox"/> Sod <input type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees &/or Bushes <input type="checkbox"/> Proposed alternative _____	
		23. TEMPORARY SALTWATER STORAGE FACILITY: <input type="checkbox"/> 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 type="checkbox"/> install liquid tight cement storage vaults* <input type="checkbox"/> Install liquid tight fiberglass tanks* <input type="checkbox"/> Proposed alternative _____ *Permission required for burial	
		24. ADDITIONAL HOLES: <u>N/A</u> 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 type="checkbox"/> 501 to 1500 ft. <input checked="" type="checkbox"/> greater than 1500 ft. </p>	<p>28. PATH OF ACCESS ROAD TO BE DETERMINED BY:</p> <p> <input type="checkbox"/> Landowner <input type="checkbox"/> Contractor <input checked="" type="checkbox"/> Existing access road <input checked="" type="checkbox"/> Operator </p>
<p>26. CURRENT LAND USE OF PATH OF ACCESS ROAD:</p> <p> <input 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 checked="" type="checkbox"/> Woodland (Circle <u>Broad-Leaved</u> or <u>Needlelike</u>) </p>	<p>29. GRADING & EROSION CONTROL PRACTICE ON ROAD:</p> <p> <input checked="" type="checkbox"/> Diversions <input type="checkbox"/> Water breaks <input type="checkbox"/> Drains <input 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 type="checkbox"/> Gravel <input type="checkbox"/> Brick and/or tile waste <input type="checkbox"/> Slag <input type="checkbox"/> Crushed stone <input checked="" 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 type="checkbox"/> 0 to 5% <input checked="" 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 checked="" type="checkbox"/> 101 to 200 ft. <input 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 checked="" 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 John M. Cochrane

Name (Typed or Printed) JOHN M. COCHRANE Date 4/10/84

Restoration Plan must be submitted to the Division in duplicate.

1. APPLICATION NUMBER 86238
2. OPERATOR Jones Oil Co
3. API 089 COUNTY Licking
4. PERMIT # _____ REISSUE _____

	INITIALS	DATE
5. Application Entered	<u>D</u>	<u>9-23</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	<u>nb</u>	<u>9/21</u>
7. Fee \$95.00: Check No (s) <u>6732</u>		<u>\$ 380.</u>
8. Sent to Division of Mines	<u>nb</u>	<u>9/23</u>
9. Technical Review	<u>10/3</u>	<u>DS</u>
10. Special Area/Samples Yes <input checked="" type="radio"/> No <input type="radio"/>	<u>/</u>	<u>DS</u>

11. Returned Division of Mines _____
12. Geologist Approval gd 10/4
13. Permit: Taken cm 10/6 Mailed
14. Called Inspector if picked up _____
15. Final Map Check MST 10-15

16. COMMENTS _____

17. DATE - TIME - INITIALS _____

RUN DATE: 830921

PROOF SHEET

PAGE: 28

1 SURETY#: 5 APP#: 86238 16 CNTY: LICK 17 TWP: FALLSBURY 10 TYPE APP: NW 12 PURP: OG 13 STORAGE:
 24 SEC: 23 25 LOT: 26 FRACT: 27 QTR TWP: 28 TRACT: 29 ALLOT:
 22 WELL: 5 23 LEASE NAME: THOMAS 31 FORM: CLINTON 30 PTD: 3060 D UNIT: 20
 33 TOOL: CT 34 COAL B: Y 36 FIRE: 614-919 37 MED: 614-919 38 QUAD: PERRYTON
 39 X COORD: 2,071,940 40 Y COOR: 793,810 41 ELEVA: 1065 42 WELL CLASS: *Per*

PREVIOUSLY PERMITTED

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

CASING PROGRAM:

41	10	20
31	23	50
07	7	200
24		

FOOTAGE:

970' 5" 4' 50" 12' 0"
440' 4" 50" 23' 0"

SPEC COND

OR CSG: (12 APB) -- FUTURE

48 TECH DATE: *10/3*
 49 GEO DATE: *10/4*
 50 GEO INT: *KB 10/4*
 51 ISSUE: _____
 52 REISSUE: _____

STATE OF OHIO
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS
FORM 51: REVISED 10-80

PERMIT

API WELL NUMBER

340892

4850
Permit

** 1.4

Date Issued 10/04/83
Permit Expires 04/01/84

Telephone Number 614-522-2154

JONES OIL CORP

1864 CHERRY VALLEY RD

NEWARK

OH 43055

IS HEREBY GRANTED PERMISSION TO: Drill New Well, and abandoned new well
if unproductive.

PURPOSE OF WELL: Oil & Gas
Substance to be stored or completion date if permit to plug:

DESIGNATION AND LOCATION:

Well Number 5 Lease Name THOMAS
County Licking Civil Township FALLSBURY
Section 21 Lot Fraction Quarter Township
Tract or Allotment
Footage Location 100' SE 1/4 4100' W 1/2 OF NW 1/4 SEC 20

TYPE OF TOOLS:

Proposed Total Depth 5050 feet in Clinton geological formation
Ground level elevation 1085

ULTIMATE DISPOSAL OF WATER AND OTHER WASTE SUBSTANCES:

See letter for ultimate disposal
Fuel and Ice LICKING FALLSBURY
Salt Water Haulers

CONDITIONALLY APPROVED CASING PROGRAM (Subject to approval of Oil and Gas Well Inspector):

10" DRIVE PIPE LANDED IN BEDROCK APPROX. 20'
3 1/2" 50' BELOW BID THROUGH 510' W/PREPARED CLAY PRESSURE CIRCULATED TO SUR
7" APPROX. 800' THRU BEEFA
4-1/2" PRODUCTION CASING TO L.B. 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

ROBERT COLEMAN
427 DORCHESTER RD
NEWARK OH
614-522-4072

WILL LEWIS - SUPERV.
614-522-3024

DEPUTY MINE INSPECTOR

(Must be notified if well in a coal-bearing township is to be plugged and abandoned)

DEPT. INSP. R. JACKSON
614-522-3147

CHIEF DIVISION OF MINES
614-522-2337

FIRE AND EMERGENCY NUMBERS:

FIRE 614-219

MEDICAL SERVICE 614-219

SPECIAL CONDITIONS:

/s/ Renee J. Houser

CHIEF, DIVISION OF OIL AND GAS

White-Wellsite Copy/Blue-Inspector's Copy/Yellow-Division of Oil & Gas Copy/Green-Division of
Mines Copy/Pink-Division of Mines Copy/White-Operator's File Copy

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

86238

INSTRUCTIONS ON REVERSE SIDE		FORM 1: Revised 12/06/82
1. I, We (applicant) <u>JONSU OIL CORP.</u>		2. Owner # <u>B-000007</u>
(address) <u>P.O. BOX 498, GRANVILLE, OHIO 43023</u>		Phone # <u>614 - 522 - 2154</u>
hereby apply this date <u>Sept. 19</u> , 19 <u>83</u> for a permit to:		
<input checked="" type="checkbox"/> Drill <input type="checkbox"/> Plug Back <input type="checkbox"/> Plug & Abandon <input type="checkbox"/> Convert <input type="checkbox"/> Reopen <input type="checkbox"/> Deepen		
<input type="checkbox"/> Reissue <input type="checkbox"/> Reissue & Revised Location		
3. TYPE OF WELL: <input checked="" type="checkbox"/> Oil & Gas <input type="checkbox"/> Artificial Brine <input type="checkbox"/> Saltwater Injection <input type="checkbox"/> Strat Test		
<input type="checkbox"/> Industrial Waste <input type="checkbox"/> Storage of: <input type="checkbox"/> Other: Explain <input type="checkbox"/>		
<input type="checkbox"/> *Solution Mining <input type="checkbox"/> *Enhanced Recovery		
(If type chosen has an asterisk (*), check appropriate box below)		
<input type="checkbox"/> Input/Injection <input type="checkbox"/> Water Supply <input type="checkbox"/> Production/Extraction <input type="checkbox"/> Observation		
4. MAIL PERMIT TO:	24. TYPE OF TOOLS	
<u>JONSU OIL CORP.</u>	<input checked="" type="checkbox"/> Cable <input type="checkbox"/> Air Rotary	
<u>P.O. BOX 498</u>	<input type="checkbox"/> Fluid Rotary <input type="checkbox"/> Air & Fluid Rotary	
<u>GRANVILLE, OHIO 43023</u>	<input type="checkbox"/> Cable & Air Rotary	
	<input type="checkbox"/> Cable & Fluid Rotary	
	<input type="checkbox"/> Cable & Air Rotary & Fluid Rotary	
5. COUNTY: <u>LICKING</u>	25. PROPOSED CASING PROGRAM:	
6. CIVIL TOWNSHIP: <u>FALLSBURY</u>	<u>10" about 20'; 8" about 450' thru Big Enjun,</u>	
7. SECTION: <u>23</u> 8. LOT: <u></u>	<u>matted to surface when run; 7" approx. 800'</u>	
9. FRACTION: <u></u> 10. QTR TWP: <u></u>	<u>thru Biver; 4 1/2" production casing, cemented.</u>	
11. TRACT/ALLOT: <u></u>		
12. WELL #: <u>5</u>		
13. LEASE NAME: <u>THOMAS</u>		
14. PROPOSED TOTAL DEPTH: <u>3060</u>		
15. GEOLOGICAL FORMATION: <u>CLINTON</u>		
16. DRILLING UNIT IN ACRES (must be same as acres indicated on plat): <u>20</u>	26. IF SURFACE RIGHTS ARE OWNED BY THE STATE OF OHIO, DEPARTMENT OF NATURAL RESOURCES:	
IF PERMITTED PREVIOUSLY:	Division <u>N/A</u>	
17. API #: 3 4 <u></u> * * 1 4 <u></u>	Telephone <u></u>	
18. OWNER:	27. FIRE AND MEDICAL DEPT. TELEPHONE NUMBERS	
19. WELL #:	Closest to Well Site:	
20. LEASE NAME:	Fire <u>614 - 919</u>	
	Medical <u>614 - 919</u>	
21. PREVIOUS TOTAL DEPTH:	28. MEANS OF INGRESS	
22. PREVIOUS GEOLOGICAL FORMATION:	CO Rd <u></u> TWP Rd <u></u>	
	Municipal Rd <u></u>	
	State Hwy <u>586</u>	
23. LANDOWNER ROYALTY INTEREST	29. MEANS OF EGRESS	
Name <u>Gladys M. Thomas, widow; Robert J. Thomas, son</u>	CO Rd <u></u> TWP Rd <u></u>	
Address <u>715 Newark Rd., Granville, PA 43023</u>	Municipal Rd <u></u>	
Name <u>Norman L. & Nadzia Thomas, A & W</u>	State Hwy <u>586</u>	
Address <u>6642 Hans Brinker Dr, Middletown, PA</u>		
Name <u>Mary P. and Richard A. Warner, W & A</u>		
Address <u>2038 Alston Rd., Fairbanks, Alaska 99701</u>		
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. <input checked="" type="checkbox"/> Annular Disposal b. <input type="checkbox"/> Drilling Operations		
c. <input type="checkbox"/> Salt Water Injection Well: County <u>Licking</u> Permit # <u></u>		
d. <input checked="" type="checkbox"/> Dust/Ice Control: County <u>Licking</u> Township or Municipality <u>Fallsburg</u>		
e. <input type="checkbox"/> Enhanced Recovery: County <u></u> Permit # <u></u>		
f. <input type="checkbox"/> Salt Water Haulers' names, addresses and telephone numbers:		
1. <u>Ronald F. Moran, 18586 Pinewood Trail, NE, Frazersburg, Ohio 43822, 614/763-3991</u>		
2. <u></u>		

* Sue Ann and P.F.B. Tatham, wife & husband, St. Anthony, Pilgrims Way, West Humble, Dorling, Surrey, England

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 therein 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 thereon, and to 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 drainageways 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 4513.34 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 1509.072 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 1509.13, Ohio Revised Code, have been given.

That 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 John M. Cochrane

Name (Type or Print) JOHN M. COCHRANE

Title PRESIDENT

If signed by Authorized Agent, a certified copy of appointment of agent must be on file.

SWORN to and subscribed before me this the 19th day of September, 1983

SUSAN C. COCHRANE
Notary Public, State of Ohio
My Commission Expires Mar. 13, 1988

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.

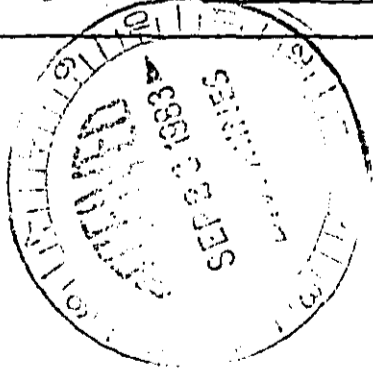
Items 28 & 29. List all County, Township, and/or Municipal roads, streets and highways by name or number that applicant anticipates to use as means of ingress and egress from the well site.

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 Renee J. Houser
Application referred to Division of Mines? Date _____ By _____
Approved by Charles P. Williams Date 9-26-83
Disapproved by _____ Date _____
Explanation _____

SEP 23 1983



RESTORATION PLAN
OHIO DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL AND GAS

1. DATE OF APPLICATION: <u>9/19/83</u>		FORM 4: Revised 06/01/81	
2. OWNER NAME, ADDRESS, & TELEPHONE #'s: JONSU OIL CORP. P.O. BOX 498 GRANVILLE, OHIO 43023 <div style="text-align: right;"><i>614/522-2154</i></div>		3. API #: 3 4 <u>0892</u> * * 1 4 - 4. WELL #: <u>5</u> 5. LEASE NAME: <u>GLADYS THOMAS</u> 6. PROPERTY OWNER: <u>Gladys M. Thomas et al</u> 7. COUNTY: <u>LICKING</u> 8. CIVIL TOWNSHIP: <u>FALLSBURY</u> 9. SECTION: <u>23 NW 1/4</u> 10. LOT:	
11. CURRENT LAND USE: <input type="checkbox"/> Cropland <input type="checkbox"/> Commercial <input type="checkbox"/> Pasture <input type="checkbox"/> Idle Land <input type="checkbox"/> Wetlands <input type="checkbox"/> Recreational <input type="checkbox"/> Residential <input type="checkbox"/> Industrial <input type="checkbox"/> Unreclaimed strip mine <input checked="" type="checkbox"/> Woodland: Circle <u>Broad-leaved</u> or Needlelike		17. TYPE OF WELL: <input checked="" type="checkbox"/> Oil <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Other 18. STEEPEST SLOPE GRADIENT CROSSING SITE: <input type="checkbox"/> 0 to 2% <input checked="" type="checkbox"/> 2.1 to 8% <input type="checkbox"/> 8.1 to 10% <input type="checkbox"/> 10.1 to 24% <input type="checkbox"/> greater than 24%	
12. SLOPE GRADIENT & LENGTH DETERMINED FROM: <input checked="" type="checkbox"/> Ground measurement <input type="checkbox"/> U.S. Geological Survey Topographical Maps <input type="checkbox"/> Other, explain _____		19. LENGTH OF STEEPEST SLOPE CROSSING SITE: <input checked="" type="checkbox"/> 1 to 100 ft. <input type="checkbox"/> 101 to 200 ft. <input type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft.	
13. TYPE OF FALL VEGETAL COVER: <input type="checkbox"/> Little or no vegetal cover <input 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 checked="" type="checkbox"/> Trees with sparse low brush <input type="checkbox"/> Trees with dense low brush		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 _____	
14. SOIL & RESOILING MATERIAL AT WELLSITE: <input type="checkbox"/> Stockpile & protect topsoil to be used when preparing seedbed <input type="checkbox"/> Use of soil additives (e.g. lime, fertilizer) <input checked="" type="checkbox"/> No resoiling planned <input type="checkbox"/> Proposed alternative _____		21. BACKFILLING AND GRADING AT SITE: <input type="checkbox"/> Construct diversions channelled to naturally established drainage systems <input type="checkbox"/> Construct terraces across slopes <input type="checkbox"/> Grade to approximate original contour <input checked="" type="checkbox"/> Grade to minimize erosion & control offsite runoff <input type="checkbox"/> Proposed alternative _____	
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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 type="checkbox"/> 501 to 1500 ft. <input checked="" type="checkbox"/> greater than 1500 ft. </p>	<p>28. PATH OF ACCESS ROAD TO BE DETERMINED BY:</p> <p> <input type="checkbox"/> Landowner <input type="checkbox"/> Contractor <input checked="" type="checkbox"/> Existing access road <input checked="" type="checkbox"/> Operator </p>
<p>26. CURRENT LAND USE OF PATH OF ACCESS ROAD:</p> <p> <input 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 checked="" type="checkbox"/> Woodland (Circle <u>Broad-Leaved</u> or <u>Needlelike</u>) </p>	<p>29. GRADING & EROSION CONTROL PRACTICE ON ROAD:</p> <p> <input checked="" type="checkbox"/> Diversions <input type="checkbox"/> Water breaks <input type="checkbox"/> Drains <input 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 type="checkbox"/> Gravel <input type="checkbox"/> Brick and/or tile waste <input type="checkbox"/> Slag <input type="checkbox"/> Crushed stone <input checked="" 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 type="checkbox"/> 0 to 5% <input checked="" 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 checked="" 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 checked="" 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 _____

John M. Cochrane

Name (Typed or Printed) _____

JOHN M. COCHRANE, PRESIDENT

Date _____

7/19/03

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 #: B-00000 7		Form 8: Revised 07/01/83 05/08/84	
2. Owner name, address & telephone numbers: JONSU OIL CORP 1864 CHERRY VALLEY RD NEWARK OH 614-522-2154 43055		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 #: 34 089 2 4830 * 5. County: LICKING 6. Civil Township: FALLSBURY	
7. Type of well: Reissue New Well		8. Footage: 970' SL & 450' WL OF NW QTR, SEC 23	
9. X: 2,071,940 Y: 793,810 10. Quad: PERRYTON 11. Section: 23 12. Lot: 13. Fraction: 14. Qtr Twp: 15. Tract: 16. Allot: 17. Well #: 5 18. Lease Name: THOMAS 19. PTD: 3060 20. Drilling Unit: 20		21. Date drilling commenced: 7/12/84 22. Date drilling completed: 8/11/84 23. Date put into production: 8/17/84 24. Date plugged if dry: 25. Producing formation: Clinton Sand 26. Deepest formation: Clinton 27. Driller's total depth: 3045 28. Logger's total depth: 3059	
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 checked="" type="checkbox"/> Open Hole <input type="checkbox"/> Through Casing <input checked="" type="checkbox"/> Slotted Liner	
31. Elevation: Ground Level 1065		Derrick Floor 1067 Kelley Bushing	
32. Perforated intervals & number of shots:			
33. Method of shot, acid, or fracture treatments, production tests, pressures, etc.: Fracture treated with 87,870 gallons of water and 25,000# of 20/40 sand			
34. Mouse hole plugged: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Rat hole plugged: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
35. Amount of initial production: Natural: Gas _____ Oil show Water _____ After Treatment: Gas 25 MCFPD Oil 10 BOPD Water _____ Lost Hole at _____ feet. Additional Data: _____			
36. Record of disposal of water and other waste including liquids used in fracture treatment: a. <input checked="" type="checkbox"/> Annular Disposal b. _____ Drilling Operations c. _____ Disposal Well: County _____ Permit # _____ d. _____ Dust/Ice Control: County _____ Township or Municipality _____ e. _____ Secondary Recovery: County _____ Permit # _____ f. _____ Salt Water Haulers: (Name and telephone number) 1. _____ 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
10-3/4"	112		112'
8-5/8"	500	54sx clay & gel	500
7"	920		pulled
4-1/2"	2987	30sx cement	2987
3" slotted liner			63' (2982-3045)
Comments: _____			
38. Name of drilling contractor: R & J Drilling Co., Inc. Frazesburg, Ohio			
39. Type of electrical and/or radioactivity logs run: (All logs must be submitted) GR-N-DL			
40. Name of logging company: Shelwell Services, Inc.			
DIVISION USE ONLY: Log Submitted: DF Well Class: POOL A/D: Y			

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 Sandstone	0	15	Crevice 15-25 Sandstone 25-45	
Gray shale	45	70	Crevice 70-80 Sandstone 80-110	
Coal Seams				
Gray shale	110	170		
Sand	170	190	Fresh water @ 170', 4 bailers/hr.	
Yellow sand	190	265		
1st Cow Run 321-6				
2nd Cow Run 324-1				
Maxton Sand 328-4				
Keener Sand 337-1				
Big Injun Sand 337-2	265	448	Hole full of fresh water	
Gray shale	448	780		
Brown shale	780	820		
Berea Sand 337-6	820	825	no water	
Red rock	825	835	Gray shale 835-850, Black grit 850-1020	
Ohio Shale 341-1	1330	1780	Gray shale 1020-1330	
Little Cinnamon	1330	1460		
Gray shale	1460	1510		
Big Cinnamon	1510	1780		
Gray shale	1780	1895		
Brown shale	1895	1944		
ELECTRIC LOG TOPS		2950	These tops are 12' lower than driller	
Big Lime 344-4	1944	2034		
Oriskany 347-2				
Salina 351-2				
Newburg 351-3			HFSW @ 2550', filled up fast	
Lockport 354-1				
Red, green & gray shales	2834	2960		
Little Lime 354-3				
	2956			
Packer Shell 354-5	2960	2976		
Red, green & gray shales	2976	3002		
Stray Clinton 357-2				
Red Clinton 357-3				
White Clinton 357-4	3002	3042	show of oil	
Gray shale	3042	3059	TD Logger	
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

John M. Cochrane

DATE Aug. 27, 1984

NAME (TYPED OR PRINTED)

John M. Cochrane

TITLE

President

REPRESENTING

JONSU OIL CORP.

3 4 089 2 4830 1 4
Permit No.

RECORD OF CASING, CEMENTING AND MUDDING

Well Owner: Jonas oil Corp.
Lease Name: Thomas Well No. 5
County: Trubing Twp. Blakely
Contractor: H & G. d. d. d.
Type of Tools: ☐ ROTARY ☒ CABLE
Service Company: Climwell
Procedure: ☒ PRESSURE ☐ GRAVITY
Plugging of: _____
Mouse hole ☐ YES ☐ NO _____ SACKS
Rat hole ☐ YES ☐ NO _____ SACKS

CASING RECORD		
SIZE	SET	REMARKS
10"	112'	
5		

Formations: (if available)			<input type="checkbox"/> DL <input type="checkbox"/> EL
			<input type="checkbox"/> KB <input type="checkbox"/> RF <input type="checkbox"/> GL
NAME	TOP	BOTTOM	
FW.	170'		
B.D.	265'	448'	

Date: 7-20-84 Signed: C. J. [Signature]
OIL AND GAS WELL INSPECTOR

Date Issued: 5-8-84 Expiration Date: 11-4-84
Spud Date: Month 7 Day 12 Year 84
Type of Job: ☒ SURFACE ☐ PRODUCTION ☐ OTHER
Type of Cement: _____ Sacks: _____
Amount of Mud: 45-9 kcl.
Size of Hole: 10" DEPTH 500' FT
Casing: SIZE 8 5/8" DEPTH 500' 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 7/18/84

Remarks:
(attach cement/mud tickets if available)
Recommended For A.D.
RECEIVED
JUL 30 1984
DIVISION OF OIL AND GAS
COLUMBUS, OHIO

Clinwell Services, Inc.

30 INVOICE

5745 LICKING VALLEY RD. NASHPORT, OHIO 43830

(614) 763-4403

Date:

INVOICE INFORMATION				LOCATION			
Charge to				County		State	
Mailing Address				Lease		Well No.	
City		Zip		Township		Permit No. 30	
Owner				WORK ORDER CONTRACT TERMS & CONDITIONS <small>CLINWELL SERVICES 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 SUB-SURFACE DAMAGE AND SURFACE DAMAGE ARISING FROM SUBSURFACE DAMAGE, WELL OWNER AND/OR CUSTOMER SHALL BE RESPONSIBLE FOR AND SECURE CLINWELL SERVICES 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 CLINWELL SERVICES. IF EQUIPMENT OR INSTRUMENTS OF CLINWELL SERVICES 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 CLINWELL SERVICES.</small> <small>IT IS EXPRESSLY UNDERSTOOD AND AGREED THAT CLINWELL SERVICES SHALL NOT BE BOUND BY ANY AGREEMENT NOT HEREIN CONTAINED, AND NO AGENT OR REPRESENTATIVE CONNECTED WITH OR EMPLOYED BY CLINWELL SERVICES HAS AUTHORITY TO ALTER OR EXTEND THE TERMS OF THIS AGREEMENT.</small> <small>I HAVE READ AND UNDERSTOOD THE TERMS OF THIS AGREEMENT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS AGENT OF CUSTOMER.</small>			
Contractor							
WELL INFORMATION				Date—			
CSG Size		Thread		Wgt.			
CSG Depth		Bore		TD			
Type		Hole Full Water		Special Tool Depth			
Wireline Measurement		Rig / Log Measurement		PSI on plug			
CLINWELL-INFORMATION				Time— PM Well Owner or His/Her Agent			
Cementer and Driver				INVOICE SECTION			
Called out	Time/Date	On Location	Time/Date	Qty.	Description	Unit	Total
Job Started	Time/Date	Job Completed	Time/Date				
Copy to State	Yes/No	Inspector on Site	Yes/No				
CALCULATIONS—PRIOR TO JOB							
Gal/Mix							
Lbs/Gal							
SI/Vol.							
Bbls Displace to plug							
Cement Fill-up							
Price subject to change without notice.				TOTAL			
DEDICATED TO OHIO OIL & GAS PRODUCERS				<small>2% 15 days. Net 30 If invoice is paid according to terms your discount will be.</small>			

089-4830-3
JONSU OIL CORP.

NGPA ROUTE SLIP

APPLICANT Genou Oil Corp.
WELL NAME AND NUMBER #5 Thomas
45 DAY DATE 9/14/84 REV: _____ REV: _____

____ SECTION 102 - NEW NATURAL GAS
____ Code 2 - 2.5 Mile Rule
____ Code 3 - 1000 Feet Deeper
____ Code 4 - New Reservoir Rule
____ SECTION 103 - NEW, ONSHORE WELL
____ SECTION 107 - HIGH-COST GAS
____ 107d - Devonian Shale
____ 107e - Tight Formation
____ Berea
____ Clinton
____ 107f - Production Enhancement
____ SECTION 108 - STRIPPER GAS
____ 108A - Production Increase
____ 108B - Enhanced Recovery
____ 108C - Seasonally Affected
____ 108D - Temporary Pressure Build-Up

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

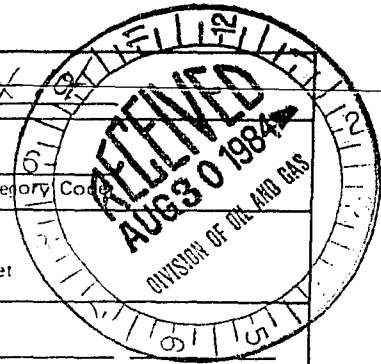
103

107

108

DATE 9/12/84
BY [Signature]

1.0 API well number: (If not available, leave blank. 14 digits.)	3408924830 X X			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA		Category Code	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	3045 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	JONSU OIL CORP. Name P.O. Box 498 Street GRANVILLE, OHIO 43023 City State Zip Code		Seller Code	
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	N/A Field Name LICKING OHIO County State			
(b) For OCS wells:	N/A Area Name N/A Block Number Date of Lease: N/A Mo. Day Yr. OCS Lease Number			
(c) Name and identification number of this well: (35 letters and digits maximum.)	THOMAS # 5			
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	CLINTON SAND			
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	COLUMBIA GAS TRANSMISSION CORP. Name		004030 Buyer Code	
(b) Date of the contract:	Mo. Day Yr.			
(c) Estimated annual production:	8 MMcf.			
	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)				
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.917	0.025		2.942
9.0 Person responsible for this application	SUSAN C. COCHRANE VICE PRESIDENT			
Agency Use Only	Name Title			
Date Received by Juris. Agency	Signature Susan C. Cochran V.P.			
Date Received by FERC	8-28-84 Date Application is Completed		614-522-2154 Phone Number	



U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)
(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 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. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	—	New onshore production well
107	—	High cost natural gas
108	—	Stripper well

Other Purchasers/Contracts:Contract Date
(Mo. Day Yr.)

Purchaser

Buyer Code

_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

WELL CLASSIFICATION FORM - NEW ONSHORE WELL §103

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

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

2. Applicant must attach copies of the following:

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

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.

JONSU OIL CORP
Susan C. Cochrane VP
(Applicant)

State of OHIO

County of LICKING, SS:

The foregoing instrument was acknowledged before me this 28th day of AUGUST,
19 84, by SUSAN C. COCHRANE, VICE PRESIDENT,
(name) (title)

on behalf of JONSU OIL CORP.
(corporation or partnership name)

David Block
Notary Public

Seal

My Commission Expires _____

DAVID BLOCK
Notary Public, State of Ohio
My Commission Expires Mar. 2, 1988

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

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DIVISION USE ONLY:																											
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FORMATION	TOP	BASE	Shows of oil, gas, fresh water, or Brine – indicate depth or interval and amount	REMARKS
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Gray shale	1460	1510		
Big Cinnamon	1510	1780		
Gray shale	1780	1895		
Brown shale	1895	1944		
ELECTRIC LOG TOPS			These tops are 12' lower than driller	
Big Lime 344-4	1944	2834		
Oriskany 347-2				
Salina 351-2				
Newburg 351-3			HFSW @ 2550', filled up fast	
Lockport 354-1				
Red, green & gray shales	2834	2960		
Little Lame 354-3				
Packer Shell 354-5	2960	2976		
Red, green & gray shales	2976	3002		
Stray Clinton 357-2				
Red Clinton 357-3				
White Clinton 357-4	3002	3042	show of oil	
Gray shale	3042	3059	TD Logger	
Medina 357-7				
Queenston 364-3				
Trenton Lobe 364-3				
Back River 364-4				
Gulf River 364-5				
Genesee 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

John M. Cochran

DATE Aug. 27, 1984

NAME (TYPED OR PRINTED)

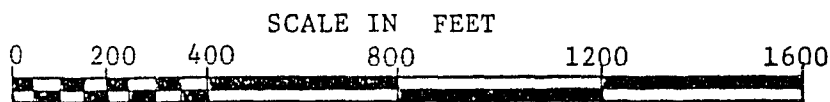
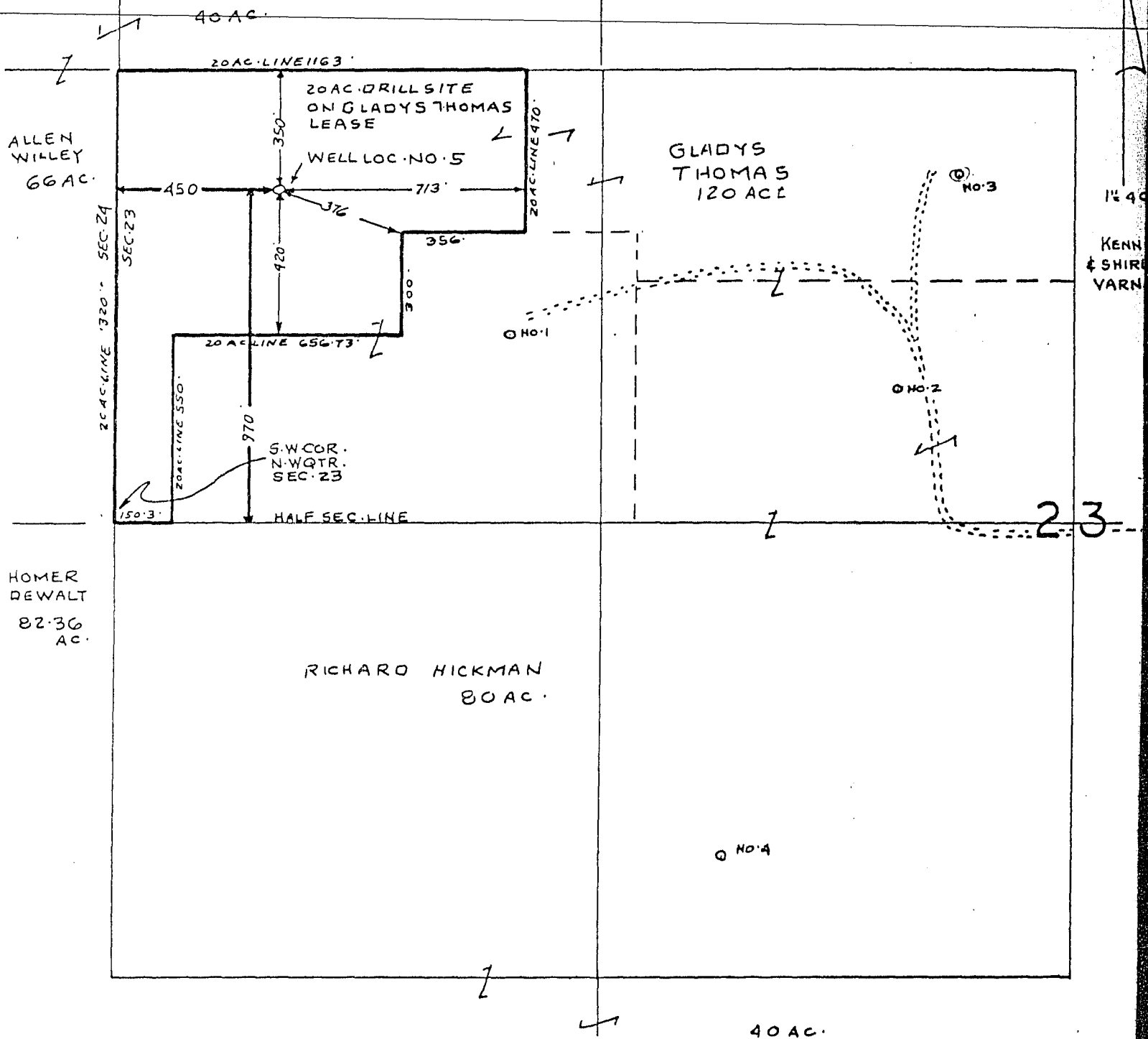
John M. Cochran

TITLE

President

REPRESENTING

JONSU OIL CORP.



I hereby certify that all drilling or producing wells within 600 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.

Richard Max Graves, Reg. Surveyor No. 5792
2925 Kenlo Woods Dr., Nashport, Ohio 43830
PH. 614-454-1029

Richard Max Graves

REG. SURVEYOR#

NOTARY

EXP. DATE

OPERATOR TONSU OIL CORP.

ADDRESS P.O. BOX 498 GRANVILLE, OHIO 43023

SURFACE GLADYS THOMAS

LANDOWNER

MINERALS GLADYS THOMAS

WELL NO. 5 DRILLING UNIT AC. 20

COUNTY LICKING

TWP. FALLSBURY

QUAD. PERRYTON

OHIO PLANE COORDINATES

X 2,071.940'

Y 793.810

SUBDIVISION CIVIL TWP.

TWP. 4-N

RANGE 10-W

QUARTER TWP. 3

SECTION 23 NW 1/4 LOT

TRACT

ALLOTMENT

FRACTION OTHER

ELEV. 1065.0 DATE: 9-12-83

DETERMINATION ORDER

RUN DATE: 09/19/84

PAGE: 8

NAME	API#	SECTION	WELL#	LEASE NAME	DETERM
	105 2 3100	107 D	1	MARGARET AMBERGER	A
	105 2 3125	107 D	1	OTIS MC CLINTOCK	A
	105 2 3124	107 D	2	OTIS MC CLINTOCK	A
	105 2 3144	107 D	2	CHARLES F. WAGNER	A
	105 2 3143	107 D	1	CARL J. OFFUTT	A
	105 2 3153	107 D	1	VIRGINIA OILER	A
	105 2 3174	107 D	1	JUSTINE LEAHY	A
	105 2 3175	107 D	2	JUSTINE LEAHY	A
	105 2 3194	107 D	1	ETSON & MARY ROUSH	A
	105 2 3199	107 D	1	PAUL S. MOORE	A
	105 2 3324	107 D	1	HOFFMAN-GAUL-HOFFMAN	A
JAMES O. BIEHL	167 2 7757	107 D	1	WALTER FOSTER	A
JAMES R. SMAIL	075 2 4045	103	1	B. MILLER	A
	075 2 4046	103	1	L. SNYDER	A
	075 2 4326	103	1	C. STARNER	A
JONSU OIL CORP.	089 2 4830	103	5	THOMAS	A
K.S.T. OIL & GAS CO., INC	153 2 1197	103	1	WOODRIDGE HIGH SCHOOL	A
	153 2 1197	107 C	1	WOODRIDGE HIGH SCHOOL	A
	153 2 1415	103	4	ATHEY UNIT	A
	153 2 1415	107 C	4	ATHEY UNIT	A
K.S.T. OIL & GAS COMPANY	153 2 1233	103	2	MORIARTY	A
	153 2 1233	107 C	2	MORIARTY	A
LBO DRILLING COMPANY	089 2 4330	103	2B	ALICE COLVILLE	A
LONE STAR PETROLEUM	111 2 2291	107 D	1	WECHBACHER	A
	111 2 2311	107 D	1	MILLER	A
NATIONAL PRODUCTION CORP.	127 2 3345	103	2	SAUM	A
NEIL R. WYNN	167 2 7793	103	4	BURFIELD	A
	167 2 7795	103	4	LAMP	A
PARTNERS PETROLEUM, INC.	133 2 3197	107 C	2	CHADWICK-JIROUSEK UNIT	A
POI ENERGY, INC.	055 2 0536	103	NM 2	D. TESTA	A

WEEKLY CIRCULAR 84-38
SEPTEMBER 21, 1984

James O. Biall

				VOLUME 1231	PAGE 004
JD NO	JA DKT	API NO	D SEC(1) SEC(2) WELL NAME	FIELD NAME	PROD PURCHASER
8501920		3416727757	107-DV WALTER FOSTER #1	WARREN	3.5
-JAMES R SMAIL		3407524045	RECEIVED: 10/09/84 JA: OH		
8501921		3407524045	103 B MILLER #1	PRAIRIE	25.0 H I SMITH OIL & G
8501923		3407524326	103 C STARNER #1	MONROE	15.0 COLUMBIA GAS TRAN
8501922		3407524046	103 L SNYDER #1	MONROE	18.0 OHIO GAS MARKETIN
-JONSU OIL CORP		3408924830	RECEIVED: 10/09/84 JA: OH		
8501924		3408924830	103 THOMAS #5	FALLSBURY	8.0 COLUMBIA GAS TRAN
-K S T OIL & GAS CO INC		3415321415	RECEIVED: 10/09/84 JA: OH		
8501926		3415321415	103 107-TF ATHEY UNIT #4	NORTHFIELD CENTER	0.0
8501927		3415321233	103 107-TF MORIARTY #2	HUDSON	0.0
8501925		3415321197	103 107-TF WOODBRIDGE HIGH SCHOOL #1	NORTHAMPTON	0.0
-LDJ DRILLING DBA JEFF MORAN		3408924330	RECEIVED: 10/09/84 JA: OH		
8501928		3408924330	108 ALICE COLVILLE #2 B		24.0 KOPPERS CO INC
-LONE STAR PETROLEUM CO		3411122311	RECEIVED: 10/09/84 JA: OH		
8501930		3411122311	107-DV MILLER #1	BETHEL	6.0 COLUMBIA GAS TRAN
8501929		3411122291	107-DV WECHBACHER #1	BETHEL	7.0 COLUMBIA GAS TRAN
-NATIONAL PRODUCTION CORPORATION		3412726345	RECEIVED: 10/09/84 JA: OH		
8501931		3412726345	103 SAUM #2	THORN	8.0 NATIONAL GAS & OI
-NEIL R. WYNN		3416727793	RECEIVED: 10/09/84 JA: OH		
8501932		3416727793	103 BURFIELD #4	PALMER	1.5 RIVER GAS CO
8501933		3417627795	103 LAMP #4	PALMER	2.0 RIVER GAS CO
-OXFORD OIL CO		3412726364	RECEIVED: 10/09/84 JA: OH		
8501958		3412726364	103 DENNY UNIT J-1	CLAYTON	10.0
8501957		3412123183	107-DV HOWARD SMITH J-2	JACKSON	10.0
8501956		3412123150	107-DV JANE WICKINS J-4	JACKSON	10.0
8501955		3411923204	107-TF TOD ANTHONY J-1	BLOOM	10.0
-PARSONS PETROLEUM INC		3413323197	RECEIVED: 10/09/84 JA: OH		
8501954		3413323197	107-TF CHADWICK-JIROUSEK UNIT #2	MANTUA	48.0 YANKEE RESOURCES
-PLI ENERGY INC		3405520836	RECEIVED: 10/09/84 JA: OH		
8501935		3405520836	103 107-TF D TESTA #RM-2	AUBURN	30.0
-PURSIE E PIPES		3413323232	RECEIVED: 10/09/84 JA: OH		
8501937		3413323232	107-TF BROCKETT #3	RANDOLPH	20.0
8501936		3413323209	107-TF CHLEBINA #2	RANDOLPH	20.0
-R A HATFIELD & SON INC		3410323741	RECEIVED: 10/09/84 JA: OH		
8501939		3410323741	103 GALEHOUSE #1	WADSWORTH	10.0
8501938		3410323716	103 RAMEY #2	MONTVILLE	150.0
-RHINE OIL CO		3403125371	RECEIVED: 10/09/84 JA: OH		
8501940		3403125371	103 107-TF HOLMES LIMESTONE #21	BETHLEHEM	20.0 COLUMBIA GAS TRAN
-SANDHILL ENERGY INC (OH)		3416727283	RECEIVED: 10/09/84 JA: OH		
8501943		3416727283	103 EDINGER #2	JACKSON	200.0
8501942		3411123037	103 JOHN EARLEY #1	JACKSON	200.0
8501941		3411123033	103 STEPHANS #3	JACKSON	500.0
-SCHUTHEIS-WILLIAMS OIL & GAS		3416727571	RECEIVED: 10/09/84 JA: OH		
8501944		3416727571	107-DV WORBS #3	NEWPORT	8.0 RIVER GAS CO
-SHONGUM OIL & GAS INC		3410323330	RECEIVED: 10/09/84 JA: OH		
8501945		3410323330	107-TF LEATHERMAN-CONFER UNIT #1	MONTVILLE	0.0
-SPECTRUM OIL CORP		3416727654	RECEIVED: 10/09/84 JA: OH		
8501946		3416727654	107-DV BHL/SUPREME ENERGY WELL #2	MACKSBURG	10.0
8501947		3416727655	107-DV BHL/SUPREME ENERGY WELL #3	MACKSBURG	12.0
8501948		3416727656	107-DV BHL/SUPREME ENERGY WELL #4	MACKSBURG	10.0
8501949		3416727658	107-DV BHL/SUPREME ENERGY WELL #6	MACKSBURG	10.0
8501950		3416727677	107-TF THOMPSON-MCCLUNG #2	MACKSBURG	20.0

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JD NO	JA DKT	API NO	D SEC(1) SEC(2) WELL NAME	FIELD NAME	PROD PURCHASER
-STRATA CORP		3412726151	RECEIVED: 10/09/84 JA: OH		
8501951		3412726151	103 SCHWARTZEL #2	BEARFIELD	5.0 TEXAS EASTERN TRA
-TALBOT OIL & GAS CO		3410521719	RECEIVED: 10/09/84 JA: OH		
8501953		3410521719	103 WELSH & HIGLEY #1	RUTLAND	2.0 COLUMBIA GAS TRAN
-TANSKY J/TANSKY OIL PRODUCTION		3407322995	RECEIVED: 10/09/84 JA: OH		
8501952		3407322995	103 JESSE TUCKER #2	FALLS GORE	3.0 COLUMBIA GAS TRAN
-VICTOR MCKENZIE		3412726239	RECEIVED: 10/09/84 JA: OH		
8501960		3412726239	103 107-TF FRED DUNN UNIT #1	HARRISON	50.0 COLUMBIA GAS TRAN
-VICTOR MCKENZIE DRILLING CO INC		3404520911	RECEIVED: 10/09/84 JA: OH		
8501959		3404520911	103 MARY LACEY #2	RUSHCREEK	20.0
8501961		3412726363	103 MILLER PAVLIDES #1	MADISON	25.0
-VIKING RESOURCES CORP		3408520533	RECEIVED: 10/09/84 JA: OH		
8501962		3408520533	103 107-TF CHRISTIAN-MORRIS UNIT #2	PERRY	30.0
8501963		3408520565	103 107-TF HORAK UNIT #1	PERRY	30.0
8501964		3408520581	103 107-TF WARFIELD UNIT #1	PERRY	30.0
8501965		3408520582	103 107-TF WARFIELD UNIT #2	PERRY	30.0
-WHO MINERAL DEVELOPMENT CO		3400722455	RECEIVED: 10/09/84 JA: OH		
8501966		3400722455	107-TF T WILLIAMS #1	NEW LYME	15.0 POI ENERGY INC
-WILLIAM F HILL		3416923844	RECEIVED: 10/09/84 JA: OH		
8501967		3416923844	103 107-TF MILDRED CHAMBERS #1	CLINTON	8.0
***** OKLAHOMA CORPORATION COMMISSION *****					
-AMOCO PRODUCTION CO		3513723370	RECEIVED: 10/11/84 JA: OK	MILROY - DORNICK HILL	31.0 MOBIL OIL CORP
8501991 29208		3513723370	103 R A HEFNER #1		
-BEASLEY OIL CO		3507323936	RECEIVED: 10/10/84 JA: OK	SOUTHEAST OMEGA	115.0 PHILLIPS PETROLEU
8501978 29124		3507323936	103 HAZEL #1		
-BOH VALLEY PETROLEUM INC		3507321189	RECEIVED: 10/10/84 JA: OK		
8501923 29033		3507321189	108 W HILL 1-3		16.4 HUMBLE OIL & REFI
-BRAXTON OIL AND GAS CORP		3505302627	RECEIVED: 10/11/84 JA: OK	WAKITA	15.0 SUN GAS CO
8501999 29165		3505302627	108 HORNING #1		
-CHAMPLIN PETROLEUM COMPANY		3509322881	RECEIVED: 10/11/84 JA: OK	CHANNEY DEL MISS	49.0 CHAMPLIN PETROLEU
8501998 29240		3509322881	103 V J BURNHAM #3		
-CLYDE M BECKER		3507100000	RECEIVED: 10/11/84 JA: OK		14.6 CITIES SERVICE OI
8502001 29179		3507100000	108 HUMPHRIES #1		
-CROUCH PETROLEUM COMPANY		3509120429	RECEIVED: 10/10/84 JA: OK	S E CHECOTAH	0.5 COLUMBIA GAS TRAN
8501972 29064		3509120429	108 BRADFORD #2-36		
-DANSON OIL CORPORATION		3515320564	RECEIVED: 10/10/84 JA: OK	SOUTHEAST QUINLAN	9.0 DELHI GAS PIPELIN
8501983 28845		3515320564	108 WINTERS 21-A		
-DIAMOND PETROLEUM EQUIPMENT INC		3508100000	RECEIVED: 10/11/84 JA: OK	EAST KENDRICK FIELD	146.0 MERIDIAN ENERGY I
8501992 29218		3508100000	103 FRANCES #2		
-DLB ENERGY CORP		3507323856	RECEIVED: 10/10/84 JA: OK	SOONER TREND	73.0 PHILLIPS PETROLEU
8501980 26445		3507323856	102-4 103 HENRICHS #33-6		
-DLB ENERGY CORP		3501722629	RECEIVED: 10/11/84 JA: OK	SOONER TREND	50.0 PHILLIPS PETROLEU
8502007 26505		3501722629	102-4 103 GEORGENE #15-5		
-FUNK EXPLORATION INC		3500722577	RECEIVED: 10/10/84 JA: OK	DOMBEY	75.0 GULF STATES UTILI
8501986 25882		3500722577	102-4 103 REIMANN #1-29		
-FUNK EXPLORATION INC		3500722602	RECEIVED: 10/11/84 JA: OK	DOMBEY	0.0 GULF STATES UTILI
8502005 26096		3500722602	102-4 103 WYMAN #1-7		
-INDREX INC		3503726049	RECEIVED: 10/11/84 JA: OK		55.0 ARCO OIL & GAS CO
8501996 29237		3503726049	103 KYSER #1		55.0 ARCO OIL & GAS CO
-INDREX INC		3503725964	103 ROLLESTONE #2		
8501997 29238		3503725964			