

3901

HOLMES

3901

1. APPLICATION NUMBER 76701  
2. OPERATOR Blaze Oil & Gas, Inc., & Consolidated Pet.  
3. API 075 COUNTY Holmes  
4. PERMIT# \_\_\_\_\_ REISSUE \_\_\_\_\_

Initials

Date

5. Application Entered DH 8-20  
Application Part A ☒  
Application Part B ☒  
Restoration Plan ☒  
Co. Engineer File ☒  
6. Date Time Stamp nt 8/26  
7. Fee \$95.00; Check No(s) 1475 285  
8. Coal Bearing Stamp ☒ nt 8/27  
9. Sent to Division of Mines \_\_\_\_\_  
10. Technical Review TL 9/8  
11. Special Area/Samples Yes ☐ No ☒ TL 9/8  
N.I.G.S.  
12. Returned Division of Mines nt \_\_\_\_\_  
13. Geologist Approval go 9/9  
14. Permit: Taken ☒ Mailed nt 9/10  
15. Call When Ready Yes ☐ No ☒ \_\_\_\_\_  
16. Pick Up/Region# \_\_\_\_\_  
17. Final Map Check \_\_\_\_\_ Qab/21

RUN DATE: 820826

P R O O F   S H E E T

PAGE: 26

1 SURETY#: 398 5 APP#: 76701 16 CNIY: HOLM 17 TWP: HARDY 10 TYPE APP: NW 12 PURP: OG 13 STORAGE:

24 SEC: 25 LUT: 26 FRACT: 27 QTR TWP: 28 TRACT: 29 ALLUT:

22	23	31	30
WELL: 4	LEASE NAME: PAUL F. REINING	FORM: CLINTON	PTD: 3900 D UNIT: 20

33 TOOL: RTF 34 COAL B: Y 36 FIRE: 216-674-2222 37 MED: 216-674-1015 38 QUAD: MILLERSBURG

39	40	41	42
X COORD: 2,170,400	Y COOR: 316,250	ELEVA: 1125	WELL CLASS: Pool

PREVIOUSLY PERMITTED

2 API: 3 DRL/D: 4 PERMIT:

6 TYPE APP: 7 PURP: 8 WELL:

LEASE NAME:

10                  11  
PID:              0 FORM:

13 ST SURF: N 16 ST MIN: N 19 RE NOT: 0 21 REG: A 22 CALL: ~~26~~ 23 DISP: A: DU 24 B: SH 25 C: 26 SW CNTY: 27 SW PER:

28	29	30	31	32	34
DI CNTY:	DI TWP:	SR CNTY:	SR PER:	IO DATE:	0 CON AMT: 0

33  
CONTRACTOR:

[illegible]

FOOTAGE: 540' NE 1/4  
1350' SL ~~1116~~ W of ~~ack~~  
Sec 25 of ~~21104~~ ~~1116~~

SPEC COND

OR CSG: \_\_\_\_\_ (12 APB) -- FUTURE

48  
TECH DATE: 4/8

49  
GEO DATE: 9/9

50  
GEO INT: *AK*

51  
ISSUE: 99

52  
REISSUE:

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

PERMIT

API WELL NUMBER

3 4 075 2

3901  
Permit

\* \* 1 4

Date Issued 09/09/82  
Permit Expires 03/01/83

BLAZE OIL & GAS INC

Telephone Number 216-345-6700

1699 NUPP DR

WOOSTER

OH 44691

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 4 Lease Name PAUL F. REINING  
County HOLMES Civil Township HARDY  
Section 25 Lot Fraction Quarter Township  
Tract or Allotment  
Footage Location 1350' SL & 540' WL OF NE QTR SEC 25

TYPE OF TOOLS: Fluid Rotary  
Proposed Total Depth 3900 feet in CLINTON geological formation  
Ground level elevation 1125

ULTIMATE DISPOSAL OF WATER AND OTHER WASTE SUBSTANCES:

Drilling Operations  
Salt Water Haulers

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

8-5/8" APPROX. 550' THRU BEREA CEMENTED TO SURFACE  
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

YOUNG, GERALD  
3196 HANOVER RT. #2  
LOUDONVILLE  
419-994-5380

OH

FIRE AND EMERGENCY NUMBERS:

FIRE 216-674-2222  
MEDICAL SERVICE 216-674-1015

SPECIAL CONDITIONS:

BUREN, JOHN E.  
216-674-2319

DEPUTY MINE INSPECTOR

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

DIST. INSP. M. MCFARLAND  
614-624-4165

A. BALLINT - SUPVR.  
614-635-1039  
614-454-7950

/s/ Andrew G. Skalkos  
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 AND GAS

76701

1. OWNER # B-0000-398		Instructions on reverse side		FORM 1: Revised 06/01/81	
2. I, We (applicant) Blaze Oil and Gas, Inc., and (phone#) 216-345-6700 (address) Consolidated Petroleum - 1699 Nupp Drive, Wooster, Ohio 44691 hereby apply this date August 24, 1982 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"/> Brine <input type="checkbox"/> Artificial Brine <input type="checkbox"/> Disposal <input type="checkbox"/> Core Hole <input type="checkbox"/> Storage of <input type="checkbox"/> Injection <input type="checkbox"/> Extraction <input type="checkbox"/> Observation <input type="checkbox"/> Secondary Recovery: <input type="checkbox"/> Input <input type="checkbox"/> Production <input type="checkbox"/> Water Supply Other: Explain					
4. MAIL PERMIT TO: Blaze Oil and Gas, Inc. 1699 Nupp Drive Wooster, Ohio 44691			30. TYPE OF TOOLS <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Air Rotary <input checked="" 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		
5. COUNTY: Holmes			31. PROPOSED CASING PROGRAM: 8 5/8" - 500' Cemented to Surface 4 1/2" Cemented w/150 Sks. Cmt.		
6. CIVIL TOWNSHIP: Hardy					
7. SECTION: 25 8. LOT:					
9. FRACTION: NE 1/4 10. QTR TWP:					
11. TRACT/ALLOT: T-9-N; R-6-W					
12. WELL #: 4					
13. LEASE NAME: Paul F. Reining List all permit numbers that have the same volume and page number for this lease on back					
14. RECORDED VOLUME: 87 15. PAGE #: 178					
16. MICROFICHE #(if applicable):					
17. PROPOSED TOTAL DEPTH: 3900'					
18. GEOLOGICAL FORMATION: Clinton SS, L/Sil.			32. IF SURFACE RIGHTS ARE OWNED BY THE STATE OF OHIO: Department Not Applicable Telephone		
19. DRILLING UNIT IN ACRES (must be same as acres indicated on plat): 20 Acres IF PERMITTED PREVIOUSLY:					
20. API #: 3 4 * * 1 4			33. FIRE AND MEDICAL DEPT. TELEPHONE NUMBERS Closest to Well Site: Fire 216-674-2222 Medical 216-674-1015		
21. OWNER:					
22. WELL #:					
23. LEASE NAME:					
24. VOLUME#: 25. PAGE#					
26. MICROFICHE #(if applicable):					
27. PREVIOUS TOTAL DEPTH:			34. MEANS OF INGRESS CO Rd 58 to 68 TWP Rd Municipal Rd State Hwy 83		
28. PREVIOUS FORMATION:					
29. ROYALTY INTEREST Name Paul F. Reining Address P.O.Box 356, Millersburg, OH 44654 Name Address Name Address			35. MEANS OF EGRESS CO Rd 68 to 58 TWP Rd Municipal Rd State Hwy 83		
36. 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 type="checkbox"/> Annular Disposal b. <input checked="" type="checkbox"/> Drilling Operations c. <input type="checkbox"/> Salt Water Disposal Well: County Permit # d. <input type="checkbox"/> Dust/Ice Control: County Township or Municipality e. <input type="checkbox"/> Secondary Recovery: County Permit # f. <input checked="" type="checkbox"/> Salt Water Haulers' names and telephone numbers: 1. D. A. Waldron & Assoc., Inc. 216-264-7755 2.					

Surety Bond BD-34-000311-02, Oil & Gas, Ins. Agency

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

Name (Type or Print) Richard D. Sohl

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

SWORN to and subscribed before me this the

24th

day of

August

19

82

Fred M. Schneider  
(Notary Public)

9 May 15, 1984

(Notary Commission Expires)

FRED M. SCHNEIDER  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES MAY 15, 1988

(SEAL)

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, O. A. 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, it 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. 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 2. Provide requested information.

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 & 15. List volume and the first page number (or microfiche number in item 16) of lease as recorded in County Recorder's office. List other permit numbers included in this lease:

<u>3455</u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>
<u>3456</u>	<u>          </u>	<u>          </u>	<u>          </u>	<u>          </u>

Items 17 - 19. Provide requested information.

Section 20. 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 21 - 28. Complete if application is to reissue a previous permit, or to plug back, convert, deepen, reopen or plug & abandon an existing well.

Item 29. List names and addresses of royalty interest holders. Names must match 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 30. Indicate type of tools to be used.

Item 31. Indicate size and amount of casing to be used.

Item 32. Complete if surface rights are owned by the State of Ohio.

Item 33. Indicate fire and medical department emergency telephone numbers closest to the well site.

Items 34 & 35. 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 36. Indicate final disposal plan for saltwater and other waste substances (except on applications to plug & abandon).

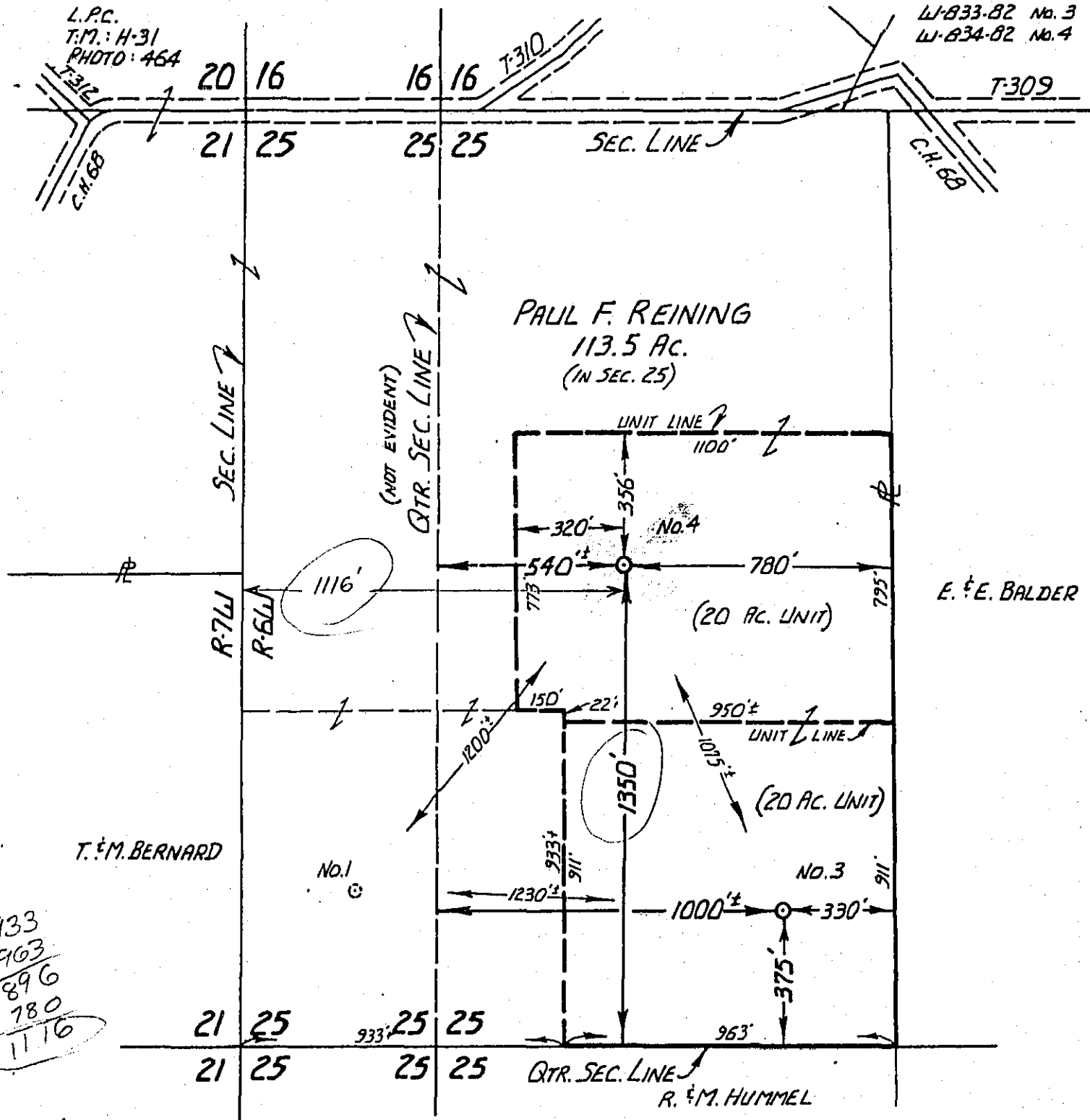
For use by DIVISION OF OIL AND GAS and DIVISION OF MINES

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

AUG 27 1982

L.P.C.  
T.M.: H-31  
PHOTO: 464

W-833-82 No. 3  
W-834-82 No. 4



933  
+ 963  
1896  
- 780  
1116

REVISIONS-REMARKS:

1350' SL & 540' WL of NE 1/4, Sec 25

120 AC. CI-Pool-Rt.

PLANE CO-ORDINATES

No. 3  
N 315.250  
E 2,170.850

No. 4  
N 316.250  
E 2,170.400

REINING WELLS No. 3 & 4

No. 3 No. 4  
TOPO ELEV. 1083' 1125'  
SCALE 1" = 400'

Company: BLAZE OIL & GAS CO.  
Address: 1699 NUPP DR. WOODSTER, OHIO 44691  
Farm: P.F. REINING Acres: 20 PER WELL  
Twp.: HARDY County: HOLMES  
Section: N.E. 1/4 25 Lot: T-31N; R-6W  
Well No.: SEE ABOVE Date Mapped: 8-23-82

MAP  
Showing Proposed New  
Location or Abandoned  
Well  
State of Ohio  
Dept. of Natural Resources  
Division of Oil & Gas  
Fountain Square  
Columbus, Ohio 43224

CERTIFICATE OF CORRECTNESS

I, the undersigned, hereby certify that the measurements and information contained herein are true and correct, as required by the General Code of Ohio, and that there are no production wells within 600 feet and no roads, streams or dwellings within 150 feet of this LOCATION.

William R. Gasbarro  
REGISTERED SURVEYOR

William R. Gasbarro

ACKNOWLEDGED:

Before me this 23 day of

AUGUST 1982

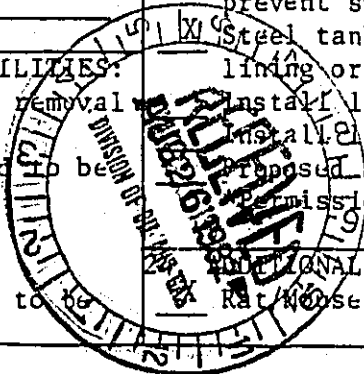
Freda M. Schneider  
TITLE OR POSITION OR COMMISSION

Ray W. Gasbarro, Reg. Surveyor No. 4153, State of Ohio  
James A. Berry, Reg. Surveyor No. 4995, State of Ohio  
Wm. R. Gasbarro, Reg. Surveyor No. 6529, State of Ohio  
R. W. Gasbarro & Assoc., Inc.  
P. O. Box 44 Woodster, Ohio 44691

FREDA M. SCHNEIDER  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES MAY 15, 1984

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

1. DATE OF APPLICATION: 8/24/82		FORM 4: Revised 06/01/81	
2. OWNER NAME, ADDRESS, & TELEPHONE #'s: Blaze Oil and Gas, Inc. 1699 Nupp Drive Wooster, Ohio 44691 216-345-6700		3. API #: 3 4 - - - - * * 1 4 - 4. WELL #: 4 - - - - 5. LEASE NAME: Paul F. Reining # 4 6. PROPERTY OWNER: Paul F. Reining 7. COUNTY: Holmes 8. CIVIL TOWNSHIP: Hardy 9. SECTION: NE 1/4 25 10.XXKT-9N;R-6W	
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 Broad-leaved or <u>Needlelike</u>		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 type="checkbox"/> Trees with sparse low brush <input checked="" 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 checked="" type="checkbox"/> Proposed alternative <u>Additional Drilling Operations</u>	
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 _____		21. BACKFILLING AND GRADING AT SITE: <input checked="" type="checkbox"/> Construct diversions channelled to naturally established drainage systems <input type="checkbox"/> Construct terraces across slopes <input checked="" type="checkbox"/> Grade to approximate original contour <input type="checkbox"/> Grade to minimize erosion & control offsite runoff <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 checked="" type="checkbox"/> Cut into firewood <input type="checkbox"/> Sell to lumber co. <input checked="" type="checkbox"/> Bury with landowners approval Stumps <input type="checkbox"/> Mulch sm. trees & branches, erosion control <input type="checkbox"/> Use for wildlife habitat <input type="checkbox"/> Proposed alternative _____		22. VEGETATIVE COVER TO BE ESTABLISHED AT SITE: <input type="checkbox"/> No seeding plan proposed <input type="checkbox"/> Sod <input type="checkbox"/> Agricultural crops <input type="checkbox"/> Trees &/or Bushes <input checked="" type="checkbox"/> Proposed alternative <u>Rye-Pasture Grass</u>	
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		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 _____ <input type="checkbox"/> Permission required for burial ADDITIONAL HOLES: <input type="checkbox"/> Rat house, if used, will be plugged.	





25. PROPOSED OR CURRENT LENGTH OF ACCESS ROAD: <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.	28. PATH OF ACCESS ROAD TO BE DETERMINED BY: <input checked="" type="checkbox"/> Landowner <input type="checkbox"/> Contractor <input checked="" type="checkbox"/> Existing access road <input type="checkbox"/> Operator
26. CURRENT LAND USE OF PATH OF ACCESS ROAD: <input type="checkbox"/> Cropland <input type="checkbox"/> Pasture <input type="checkbox"/> Commercial <input checked="" 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> )	29. GRADING & EROSION CONTROL PRACTICE ON ROAD: <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 checked="" type="checkbox"/> Pipe culverts <input type="checkbox"/> Filter Strips <input type="checkbox"/> Rip rap <input type="checkbox"/> Proposed alternative _____
27. SURFACING MATERIAL FOR ACCESS ROAD: <input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Brick and/or tile waste <input type="checkbox"/> Slag <input checked="" type="checkbox"/> Crushed stone <input type="checkbox"/> No surfacing material to be used <input type="checkbox"/> Proposed alternative _____	30. STEEPEST SLOPE GRADIENT ON ACCESS ROAD: <input type="checkbox"/> 0 to 5% <input checked="" type="checkbox"/> 6 to 10% <input type="checkbox"/> greater than 10%
31. APPROX. LENGTH OF STEEPEST SLOPE ON ROAD: <input checked="" type="checkbox"/> 0 to 100 ft. <input type="checkbox"/> 101 to 200 ft. <input type="checkbox"/> 201 to 400 ft. <input type="checkbox"/> greater than 400 ft.	
32. HAS LANDOWNER RECEIVED A COPY OF THIS RESTORATION PLAN? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

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) Blaze Oil and Gas, Inc.  
Richard D. Sohl, President

Date 8/25/82

Restoration Plan must be submitted to the Division in duplicate.

3 4 0 7 5 2 3 9 0 1 1 4  
Permit No.

RECORD OF CASING, CEMENTING AND MUDDING

Well Owner: Blaze Oil & Gas

Lease Name: Reining Well No. 4

County: Holmes Twp. Hardy

Contractor: PeP Digs

Type of Tools: ☒ ROTARY ☐ CABLE

Service Company: Dowell

Procedure: ☒ PRESSURE ☐ GRAVITY

Plugging of: \_\_\_\_\_

Mouse hole ☐ YES ☒ NO \_\_\_\_\_ SACKS

Rat hole ☐ YES ☒ NO \_\_\_\_\_ SACKS

CASING RECORD

SIZE	SET	REMARKS
8 5/8"	469'	cemented

Formations: (if available) ☐ DL ☐ EL ☐ KB ☐ RF ☐ GL

NAME	TOP	BOTTOM

Date Issued: 9-9-82 Expiration Date: 3-1-83

Spud Date: Month 2 Day 11 Year 83

Type of Job: ☒ SURFACE ☐ PRODUCTION ☐ OTHER

Type of Cement: Class A Sacks: 250

Amount of Mud: \_\_\_\_\_

Size of Hole: 11" DEPTH \_\_\_\_\_ FT

Casing: SIZE 8 5/8" DEPTH 469' 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

UIC: ☐ YES ☒ NO

DATE JOB COMPLETED 2/12/83

Remarks:  
(attach cement/mud tickets if available)

grouted from surface.

RECEIVED

FEB 28 1983

Date: 2-14-83

Signed: \_\_\_\_\_

DIVISION OF OIL AND GAS  
REGION A  
OIL AND GAS WELL INSPECTOR

## CEMENTING SERVICE REPORT

DOWELL

DWL-498-M PRINTED IN U.S.A.

DOWELL DIVISION OF DOW CHEMICALS  
AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

TREATMENT NUMBER

STAGE

DATE

DOWELL DISTRICT

WELL NAME AND NO.

LOCATION (LEGAL)

RIG NAME:

FIELD-POOL

FORMATION

WELL DATA:

COUNTY/PARISH

STATE

API NO.

BIT SIZE

CSG/LINER SIZE

TOTAL DEPTH

WEIGHT

☒ ROT ☐ CABLE

TOP

MUD TYPE

BOTTOM

☐ BHST  
☐ BHCT

GRADE

MUD DENSITY

THREAD

TOTAL

MUD VISC.

CAPACITY

ADDRESS

ZIP CODE

SPECIAL INSTRUCTIONS

HEAD &amp; PLUGS

☐ TBG☐ D.P.

SQUEEZE JOB

☐ DOUBLE

SIZE

TOOL

TYPE

☐ SINGLE

WEIGHT

DEPTH

☐ SWAGE

GRADE

TAIL PIPE: SIZE

DEPTH

☐ -KNÖCKOFF

THREAD

TUBING VOLUME

Bbls

TOP ☐ R ☐ W☐ NEW ☐ USED

CASING VOL. BELOW TOOL

Bbls

BOT ☐ R ☐ W

DEPTH

TOTAL

Bbls

ANNUAL VOLUME

Bbls

FLOAT

TYPE

TOOL

TYPE

DEPTH

DEPTH

SHOE

TYPE

TYPE

DEPTH

DEPTH

PRESSURE LIMIT

PSI

BUMP PLUG TO

PSI

ROTATE

RPM

RECIPROCAT

FT

NO. OF CENTRALIZERS

TIME

PRESSURE

VOLUME

PUMPED BBL

JOB SCHEDULED FOR

DATE

ARRIVED ON LOCATION

TIME

DATE

LEFT LOCATION

TIME

DATE

0001 to 2400

TBG

OR D.P.

CASING

INCREMENT

CUM

INJECT

RATE

FLUID

TYPE

FLUID

DENSITY

SERVICE LOG DETAIL

PRE-JOB SAFETY MEETING

2300

2345

2330

0007

0017

0030

0045

0055

0106

0135

0200

REMARKS

SYSTEM

CODE

NO. OF

SACKS

YIELD

CU. FT/SK

COMPOSITION OF CEMENTING SYSTEMS

SLURRY MIXED

BBLs

DENSITY

1.

2512

Class A Cement 3% Latex Chloride

600

15.5

2.

3.

4.

5.

6.

BREAKDOWN FLUID: TYPE

VOLUME

DENSITY

PRESSURE

MAX:

MIN:

☐ HESITATION SO.☐ RUNNING SO.

CIRCULATION LOST

☒ YES☐ NO

CEMENT CIRCULATED TO SURF

☐ YES☐ NO

BREAKDOWN

PSI

FINAL

PSI

DISPLACEMENT VOL.

Bbls

TYPE

OF

WELL

☒ OIL☐ STORAGE☐ BRINE WATERWASHED THRU PERFS ☐ Yes ☒ No

TO

FT

MEASURED DISPLACEMENT

☒☐ WIRELINE☒ GAS☐ INJECTION☐ WILDCAT

PERFORATIONS:

TO

TO

CUSTOMER REPRESENTATIVE

DOWELL SUPERVISOR

Mike Mastell

J E Ray

3 4 0 7 5 2 3 9 0 1 1 4  
Permit No.

RECORD OF CASING, CEMENTING AND MUDDING

Well Owner: Blaze Oil & Gas  
Lease Name: Brining Well No. 4  
County: Holmes Twp. Hardy  
Contractor: Pep Dils  
Type of Tools: ☒ ROTARY ☐ CABLE  
Service Company: Dowell  
Procedure: ☒ PRESSURE ☐ GRAVITY  
Plugging of: \_\_\_\_\_  
Mouse hole ☒ YES ☐ NO \_\_\_\_\_ SACKS  
Rat hole ☐ YES ☒ NO \_\_\_\_\_ SACKS

Date Issued: 4-9-82 Expiration Date: 3-1-83  
Spud Date: Month 2 Day 11 Year 83  
Type of Job: ☐ SURFACE ☒ PRODUCTION ☐ OTHER  
Type of Cement: A.F.C. Sacks: 120  
Amount of Mud: \_\_\_\_\_  
Size of Hole: 7 7/8" DEPTH 3874' FT  
Casing: SIZE 4 1/2" DEPTH 3854 FT  
Float Equipment: ☒ SHOE ☐ COLLAR ☐ OTHER  
Special Equipment: 5 Centralizers

CASING RECORD		
SIZE	SET	REMARKS
<u>8 5/8"</u>	<u>489'</u>	<u>Cemented</u>
<u>4 1/2"</u>	<u>3854'</u>	<u>Cemented</u>

Cement/Mud Circulated to Surface: ☐ YES ☒ NO  
Notification Received: ☒ YES ☐ NO  
Job Witnessed by Inspector: ☒ YES ☐ NO  
UIC: ☐ YES ☒ NO  
DIVISION OF OIL AND GAS  
DATE JOB COMPLETED FEB 28 1983  
2/18/83

NAME	TOP	BOTTOM
Berea	978'	1028'
Linx	2444'	3470'
Packer	3424'	3473'
Clinton 1 <sup>ST</sup>	3682'	3726'
Clinton 2 <sup>ND</sup>	3730'	3786'

Remarks:  
(attach cement/mud tickets if available)  
Also cemented surface casing back to surface and cemented rat hole back to surfaced.

Date: 2-18-83

Signed: [Signature]  
OIL AND GAS WELL INSPECTOR

## CEMENTING SERVICE REPORT

DWL-488-M PRINTED IN U.S.A.

DOWELL DIVISION OF DOW CHEMICALS  
AN OPERATING UNIT OF THE DOW CHEMICAL COMPANYTREATMENT NUMBER 8107 DATE 2-18-82  
STAGE DOWELL DISTRICT 1405568

WELL NAME AND NO. R-100-4		LOCATION (LEGAL) Harris Co.		RIG NAME R-100-4	
FIELD-POOL Harris Co.		FORMATION Harris Co.		WELL DATA	
COUNTY/PARISH Harris Co.		STATE TX		API NO. 2901	
NAME BLAZE OIL CO., INC.		AND		ADDRESS	
ZIP CODE		SPECIAL INSTRUCTIONS PREF. CEMENTATION 1200-10-2 1000-10-2 1000-10-2		WELL DATA	
PRESSURE LIMIT 1050 PSI		BUMP PLUG TO 1250 PSI		WELL DATA	
ROTATE N/A RPM		RECIPROCATATE 385/FI		NO. OF CENTRALIZERS 5	
TIME 0001 to 2400		PRESSURE T.B.G. OR D.P. CASING		VOLUME PUMPED BBL INCREMENT CUM	
JOB SCHEDULED FOR TIME 0001 DATE 2-18		ARRIVED ON LOCATION TIME 0001 DATE 2-18		LEFT LOCATION TIME 1500 DATE 2-18	
SERVICE LOG DETAIL		PRE-JOB SAFETY MEETING		Spot TRUCK	
1158		Hook-up to R-100-4		Hook-up to R-100-4	
1224		Hook-up to R-100-4		Hook-up to R-100-4	
1225		PREF. CEMENTATION		PREF. CEMENTATION	
1233		Casing		Casing	
1234		Casing		Casing	
1235		Casing		Casing	
1236		Casing		Casing	
1258		Casing		Casing	
1259		Casing		Casing	
1430		Casing		Casing	

TIME	PRESSURE	VOLUME PUMPED BBL	JOB SCHEDULED FOR	ARRIVED ON LOCATION	LEFT LOCATION
0001 to 2400	T.B.G. OR D.P. CASING	INCREMENT CUM	TIME 0001 DATE 2-18	TIME 0001 DATE 2-18	TIME 1500 DATE 2-18
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0098					
0099					
0100					

REMARKS	1000-10-2	1000-10-2	1000-10-2	1000-10-2	1000-10-2		
SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS			SLURRY MIXED	
1.	120	1110	R.F.C. 10-2			248	14.2
2.							
3.							
4.							
5.							
6.							
BREAKDOWN FLUID: TYPE		VOLUME		DENSITY		PRESSURE	
<input type="checkbox"/> HESITATION SO <input type="checkbox"/> RUNNING SO		CIRCULATION LOST		<input type="checkbox"/> YES <input type="checkbox"/> NO		CEMENT CIRCULATED TO SURF <input type="checkbox"/> YES <input type="checkbox"/> NO	
BREAKDOWN PSI FINAL		PSI		DISPLACEMENT VOL.		TYPE OF WELL	
WASHED THRU PERFS <input type="checkbox"/> Yes <input type="checkbox"/> No		TO FT		MEASURED DISPLACEMENT <input type="checkbox"/> WIRELINE		<input type="checkbox"/> OIL <input type="checkbox"/> GAS <input type="checkbox"/> STORAGE <input type="checkbox"/> INJECTION <input type="checkbox"/> BRINE WATER <input type="checkbox"/> WILDCAT	
PERFORATIONS: TO TO		CUSTOMER REPRESENTATIVE		DOWELL SUPERVISOR			

MST

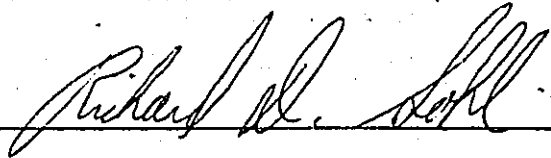
**WELL COMPLETION RECORD**  
OHIO DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL AND GAS, FOUNTAIN SQ. BLDG. A, COLUMBUS, OH 43224

1. Owner #: <b>B-0000 398</b>		Form 8: Revised 06/01/81 09/09/82																	
2. Owner name, address & telephone numbers:  <b>BLAZE OIL &amp; GAS INC</b> <b>1699 NUPP DR</b> <b>WOOSTER OH</b> <b>216-345-6700 44691</b>		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 #: <b>34 075 2 3901 *</b>																	
4. Type of permit:  <b>Oil &amp; Gas</b>		5. County: <b>HOLMES</b>																	
7. Type of well:  <b>Drill New Well</b>		6. Civil Township: <b>HARDY</b>																	
		8. Footage:  <b>1350' SL &amp; 540' WL OF NE QTR SEC 25</b>																	
9. X: <b>2,170,400Y: 316,250</b>		21. Date drilling commenced: <b>2/11/83</b>																	
10. Quad: <b>MILLERSBURG</b>		22. Date drilling completed: <b>2/18/83</b>																	
11. Section: <b>25</b> 12. Lot:		23. Date put into production: <b>N/A</b>																	
13. Fraction: 14. Qtr Twp:		24. Date plugged if dry:																	
15. Tract:		25. Producing formation: <b>Clinton Sandstone</b>																	
16. Allot:		26. Deepest formation: <b>Queenston Shale</b>																	
17. Well #: <b>4</b>		27. Driller's total depth: <b>3881'</b>																	
18. Lease Name: <b>PAUL F. REINING</b>		28. Logger's total depth: <b>3874'</b>																	
19. PTD: <b>3900</b> 20. Drilling Unit: <b>20</b>																			
29. Type of tools: <input type="checkbox"/> Cable <input type="checkbox"/> Air Rotary <input checked="" 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 <b>1125'</b> Topo Derrick Floor <b>1131'</b> Kelley Bushing <b>1132'</b>																			
32. Perforated intervals & number of shots: <b>3/9/83 Total 34 shots; Hollow Steel Carrier Diam.-3 1/2" Diam. Entrance-0.34 3701'-3702'-2 holes; 3712'-3713'-2 holes; 3719'-3721'-3 holes; 3732'-3736'-5 holes; 3743'-3747'-5 holes; 3755'-3766'-12 holes.</b>																			
33. Method of shot, acid, or fracture treatments, production tests, pressures, etc.: <b>3/10/83 Frac. with 50,000# 20-50 sand; 1900 Bbls. Water; 15 min. S.I.P.- 1250#; Avg. Injection Rate- 29 Bbls./Min. Avg. Treating Pressure 1700#; Horsepower 4 HP - 1208</b>																			
34. Mouse hole plugged: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A Sacks <b>20</b> Rat hole plugged: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A Sacks <b>N/A</b>																			
35. Amount of initial production: Natural: Gas <u>Show</u> Oil <u>Show</u> Water <u>Trace</u> After Treatment: Gas <u>850 MCFG</u> Oil <u>1 BOPD</u> Water <u>Trace</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. <input checked="" type="checkbox"/> Drilling Operations c. _____ Disposal Well: County _____ Permit # _____ d. _____ Dust/Ice Control: County _____ Township or Municipality _____ e. _____ Secondary Recovery: County _____ Permit # _____ f. <input checked="" type="checkbox"/> Salt Water Haulers: (Name and telephone number) 1. <u>David-A. Waldron &amp; Assoc., (216) 264-7755</u> 2. <u>All Out, Inc., (216) 492-8336</u>																			
37. Casing and tubing record: Please indicate which is used (cement or mudding)																			
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Size</th><th>Feet Used in Drilling</th><th>Amount of Cement or Mud</th><th>Feet Left in Well</th></tr></thead><tbody><tr><td><u>8 5/8"</u></td><td><u>505'</u></td><td><u>250 sks Neat w/3% Ca Cl<sub>2</sub></u></td><td><u>Set @ 489'</u></td></tr><tr><td><u>8 5/8"</u></td><td><u>505'</u></td><td><u>250 sks Class A</u></td><td><u>Reset 8 5/8" @ 470'</u></td></tr><tr><td><u>4 1/2"</u></td><td><u>3881'</u></td><td><u>120 sks R. F. C.</u></td><td><u>Cmt. Shoe Set @ 3854'</u></td></tr></tbody></table>				Size	Feet Used in Drilling	Amount of Cement or Mud	Feet Left in Well	<u>8 5/8"</u>	<u>505'</u>	<u>250 sks Neat w/3% Ca Cl<sub>2</sub></u>	<u>Set @ 489'</u>	<u>8 5/8"</u>	<u>505'</u>	<u>250 sks Class A</u>	<u>Reset 8 5/8" @ 470'</u>	<u>4 1/2"</u>	<u>3881'</u>	<u>120 sks R. F. C.</u>	<u>Cmt. Shoe Set @ 3854'</u>
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<u>4 1/2"</u>	<u>3881'</u>	<u>120 sks R. F. C.</u>	<u>Cmt. Shoe Set @ 3854'</u>																
Comments: <u>Lost circulation on 1st 8 5/8" Cmt. Job, Re-cemented 8 5/8" w/250 sks Class A, plus when cementing 4 1/2" poured 30 sks Cmt. between 8 5/8" csg. and 11" hole size.</u>																			
38. Name of drilling contractor: <u>PEP</u>																			
39. Type of electrical and/or radioactivity logs run: (All logs must be submitted) <u>Gamma Ray - Compensated - Neutron - Density; Correlation - Perforating Log</u>																			
40. Name of logging company: <u>Birdwell - S.S.C. Data DE</u>																			
DIVISION USE ONLY: <div style="display: flex; justify-content: space-between;"><div>Log Submitted: _____</div><div>Well Class: <u>POOL</u></div><div>A/D: _____</div></div>																			

FORMATION		TOP	BASE	Shows of oil, gas, fresh water, or Brine — indicate depth or interval and amount	REMARKS
Fresh Water Strata					
Coal Seams					
1st Cow Run	321-6				
2nd Cow Run	324-1				
Maxton Sand	328-4				
Keener Sand	337-1				
Big Injun Sand	337-2				
Berea Sand	337-6	978'	1028'	Data DF	
Ohio Shale	341-1				
Big Lime	344-4	2444'	3470'		
Oriskany	347-2	2620'	2645'		
Salina	351-2				
Newburg	351-3				
Lockport	354-1				
Little Lime	354-3	3576'	3587'		
Packer Shell	354-5	3634'	3673'		
Stray Clinton	357-2	3683'	3726'		
Red Clinton	357-3	3730'	3750'		
White Clinton	357-4	3754'	3786'		
Medina Whirlpool	357-7	3838'	3852'		
Queenston	361-3	3852'			
Total Depth			3881'		
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 4/26/83

NAME (TYPED OR PRINTED)

Richard D. Sohl

TITLE

President & Geologist

REPRESENTING

Blaze Oil and Gas, Inc.

DIVISION OF OIL AND GAS  
ATTN: SURETY SECTION  
FOUNTAIN SQUARE  
COLUMBUS, OHIO 43224  
FORM 56: REVISED 12-10-80

RECEIVED

340752 3901 14  
permit no.

JUL 27 1984

SPUD/PLUGGING DATE 2-11-83

RESTORATION REPORT AND GAS  
REGION A

☒ Preliminary-well exists  
☐ FINAL - well plugged

OWNER Klaze Oil & Gas WELL NO. 4 LEASE NAME P.F. Reining  
COUNTY Holmes TOWNSHIP Hercy SEC/LOT 25 LANDOWNER  
(if not same as lease name)

- |  |  |
|--|--|
| 1) Copy of Restoration Plan, Div. Form 4, used in inspection                                       | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> |
| 2) Pits filled as required   | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>                              |
| 3) Location restored as required (graded or terraced)  | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>                              |
| 4) Drilling equipment removed  | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>                              |
| 5) Production equipment removed  | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>                              |
| 6) Debris removed  | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>                              |
| 7) Area seeded or sodded   | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>                              |
| 8) Roadways restored   | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/>                              |
| 9) Landowner Waiver, Div. Form 5, filed (copy attached)  | YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>                              |
| 10) Restoration Plan, Form 4, found accurate and correct<br>(see reverse side for filing guidance) | YES <input checked="" type="checkbox"/> NO <input type="checkbox"/> N/A <input type="checkbox"/> |

REMARKS:

(TO BE SUBMITTED WITH INSPECTOR'S ACTIVITY REPORTS AFTER AREA IS IN COMPLIANCE WITH CHAPTER 150  
NOTIFICATION RECEIVED: YES ☐ NO ☒

FOR DIVISION USE ONLY

Bond on file ☐ OTHER ☐

Bonding Company ☐ Cancelled ☐

Bond No. ☐

LIABILITY CANCELLED ☐ date ☐

SIGNATURE AND TITLE

DATE SIGNED



075-3901-3,7(C)  
BLAZE OIL AND GAS, INC.

NGPA ROUTE SLIP

APPLICANT BLAZE OIL AND GAS, INC.

WELL NAME AND NUMBER #4 PAUL F. REINING

45 DAY DATE 06 11 83 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

\*\*\*\*\*

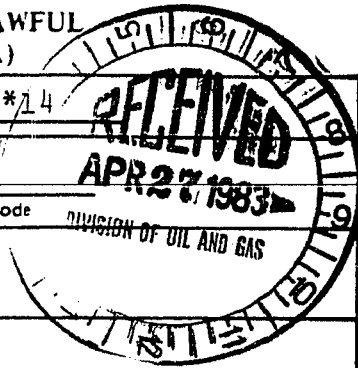
DATE 5-12-83

BY DAN

*Andrew J. Shaver*

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL  
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**

1.0 API well number: (If not assigned, leave blank. 14 digits.)	34 - 075 - 2-3901 - *14				
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	<div style="display: flex; justify-content: space-between;"> <span>103</span> <span>107e</span> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>Section of NGPA</span> <span>Category Code</span> </div>				
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	3766' feet				
4.0 Name, address and code number of applicant. (35 letters per line maximum. If code number not available, leave blank.)	<div style="display: flex; justify-content: space-between;"> <span>Blaze Oil and Gas, Inc.</span> <span>Seller Code</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Name</span> <span>1699 Nupp Drive</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Street</span> <span>Wooster</span> <span>OHIO</span> <span>44691</span> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>City</span> <span>State</span> <span>Zip Code</span> </div>				
5.0 Location of this well: (Complete (a) or (b).) (a) For onshore wells (35 letters maximum for field name.)	<div style="display: flex; justify-content: space-between;"> <span>Noodle</span> </div> <div style="display: flex; justify-content: space-between;"> <span>Field Name</span> <span>Holmes</span> <span>Ohio</span> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>County</span> <span>State</span> </div>				
(b) For OCS wells:	<div style="display: flex; justify-content: space-between;"> <span>N/A</span> <span>N/A</span> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>Area Name</span> <span>Block Number</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="text-align: center;"> <small>Date of Lease:</small>  <div style="display: flex; justify-content: space-around; width: 100px;"> <span>N/A</span> </div> <div style="display: flex; justify-content: space-around; font-size: x-small;"> <span>Mo.</span> <span>Day</span> <span>Yr.</span> </div> </div> <div style="text-align: center;"> <span>N/A</span>  <small>OCS Lease Number</small> </div> </div>				
(c) Name and identification number of this well: (35 letters and digits maximum.)	Paul F. Reining No. 4				
(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.)	<div style="display: flex; justify-content: space-between;"> <span>Columbia Gas Transmission</span> <span>004030</span> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>Name</span> <span>Buyer Code</span> </div>				
(b) Date of the contract:	<div style="display: flex; justify-content: space-between;"> <span>N/A</span> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>Mo.</span> <span>Day</span> <span>Yr.</span> </div>				
(c) Estimated total annual production from the well:	12 Million Cubic Feet				
		(a) Base Price	(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.)	S/MMBTU	5.504	---	---	5.504
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	S/MMBTU	5.504	---	---	5.504
9.0 Person responsible for this application:	<div style="display: flex; justify-content: space-between;"> <span>Richard D. Sohl</span> <span>President</span> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>Name</span> <span>Title</span> </div> <div style="display: flex; justify-content: space-between;"> <span><i>Richard D. Sohl</i></span> <span></span> </div> <div style="display: flex; justify-content: space-between; font-size: small;"> <span>Signature</span> <span></span> </div> <div style="display: flex; justify-content: space-between;"> <span>4/26/83</span> <span>(216) 345-6700</span> </div> <div style="display: flex; justify-content: space-between; font-size: x-small;"> <span>Date Application is Completed</span> <span>Phone Number</span> </div>				



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			
2			
3			
4			
5			
6			

Remarks:

NATURAL GAS PRODUCED FROM A DESIGNATED TIGHT FORMATION

1. Formation:

X Clinton Spud Date 2/11/83  
       Berea Spud Date                     

2. All applications must include the following:

- a) Three (3) copies of FERC Form 121, including question number 2.0 which should specify 107. Also specify 102 or 103 if a dual determination is desired.
- b) Original and one (1) copy of NGPA Form 107e.
- c) Two (2) copies of the "final" Well Completion Record; Form 8.  
NOTE: The perforated interval must correspond to the depth of the tight formation as shown on the Form 8 and the well log. The log of rocks penetrated on the Form 8 must be specific as to formation, top and bottom of the interval, and must correspond to the well log.
- d) Two (2) copies of a location plat which identifies the well as being within the designated tight formation and locates and identifies the well and all other wells within the same drilling unit, if any.
- e) Two (2) copies of an electric, radioactivity, or other geophysical log, or if the well was not logged, two (2) copies of the drilling report prepared by the drilling contractor.
- f) If the gas qualifies for 102 price, two (2) copies of NGPA Forms 102 and 102-A.
- g) If the spud date of the well was prior to July 16, 1979, recompletion materials must be submitted (see attachment on recompletion for qualifying criteria).

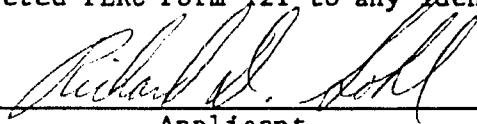
3. Oath

I hereby swear and affirm that:

- a) If the gas is produced from a well which qualifies for 102, I have made or have caused to be made, pursuant to my instructions, a diligent search of available public records including production, severance tax, royalty records and all other records reasonably available to me and which contain information relevant to the determination of eligibility; the aforementioned information is complete and accurate to the best of my information, knowledge and belief; (if completing Code 2) there is no marker well within 2.5 miles of the well for which I seek a determination; (if completing Code 3) there is no marker well within 2.5 miles of the well for which I seek a determination which has a completion location less than 1,000 feet above the completion location of the new well, and item III is true and correct; (if completing

Code 4) the natural gas to be produced and for which I seek a determination is from a new reservoir, and item IV of the Form 102 is true and correct.

- b) If the gas is produced from a well which qualifies for 103, 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 which 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 well satisfies state well-spacing requirements; and that I have demonstrated by appropriate geological evidence that the 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 an 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.
- c) If new tight formation gas, the surface drilling of the well for which a determination is sought was begun on or after July 16, 1979.
- d) If recompletion tight formation gas, the well was not completed for production in the designated tight formation prior to July 16, 1979.
- e) The gas is being produced from a designated tight formation.
- f) I have no knowledge of any other information not described in the application which is inconsistent with my conclusions.
- g) I have delivered or mailed a copy of the completed FERC Form 121 to any identified purchaser.

  
Applicant  
Richard D. Sohl

State of OHIO

County of WAYNE, SS;

The foregoing instrument was acknowledged before me this 26<sup>th</sup> day of April, 1983, by RICHARD D. SOHL, President on behalf of  
Name Title

BLAZE OIL AND GAS, INC.  
Corporation or Partnership Name

  
Notary Public

May 15<sup>th</sup>, 1984  
Date Commission Expires

FREDA M. SCHNEIDER  
NOTARY PUBLIC, STATE OF OHIO  
MY COMMISSION EXPIRES MAY 15, 1984

(SEAL)

# BLAZE OIL and GAS, Inc.

(216) 345-6700

Geology & Petroleum Consultants

RICHARD D. SOHL, Pres.

1699 Nupp Drive  
WOOSTER, OHIO 44691

Mr. David Hodges  
Attn: N.G.P.A. Section  
Ohio Department of Natural Resources  
Division of Oil and Gas  
Fountain Square  
Columbus, Ohio 43224

April 27, 1983

Re: 107e, 103,  
Permit # 3901  
#4 Reining Well  
Hardy Township  
Holmes County, Ohio

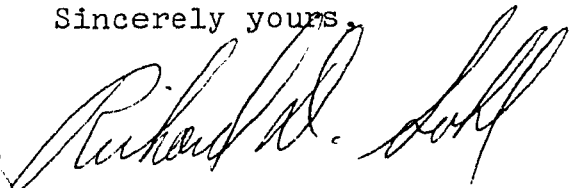
Dear Mr. Hodges:

With reference to the following well of Blaze Oil and Gas, Inc., # 4 Reining Well in West 1/2 of NE 1/4 of Section 25 of Hardy Township, Holmes County, Ohio, Permit # 3901 - attached please find the following forms and data:

- a) F.E.R.C. - 121 - 3 copies
- b) N.G.P.A. - 107e - Original and one copy
- c) N.G.P.A. - 103 - Original and one copy
- d) Form 8 - Completion Report - 3 copies (one copy for N.G.P.A.)
- e) Surveyor's Plat - two copies
- f) Electric Log - three copies of Gamma Ray Neutron Comp Density (1 copy for N.G.P.A., machine copy of front page and formation)
- g) Electric Log - two copies of Perforating Log

Would you please see that the above forms are placed in the proper files.

Sincerely yours,



Richard D. Sohl  
Geologist



Enc.

RDS/mm

# BLAZE OIL and GAS, Inc.

(216) 345-6700

Geology & Petroleum Consultants

RICHARD D. SOHL, Pres.

1699 Napp Drive  
WOOSTER, OHIO 44691

Ohio Department Natural Resources  
Division of Oil and Gas, Inc.  
Technical Section  
Fountain Square  
Columbus, Ohio 43224

April 27, 1983

Re: 107e, 103,  
Permit # 3901  
# 4 Reining Well  
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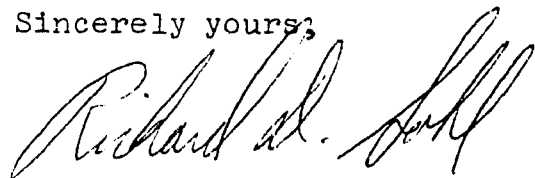
Gentlemen:

Enclosed are:

- a) one copy of Completion Form 8
- b) one set of Electric Logs

on the above referred to well.

Sincerely yours,



Richard D. Sohl

Enc.

cc: David Hodges (N.G.P.A. Section)

RDS/mm








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

1. Owner #: <b>B-0000 398</b>		Form 8: Revised 06/01/81 09/09/82																	
2. Owner name, address & telephone numbers:  <b>BLAZE OIL &amp; GAS INC 1699 NUPP DR WOOSTER OH 216-345-6700 44691</b>		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:  <b>Oil &amp; Gas</b>		3. API #: <b>34 075 2 3901 *</b>																	
7. Type of well:  <b>Drill New Well</b>		5. County: <b>HOLMES</b> 6. Civil Township: <b>HARDY</b>																	
		8. Footage:  <b>1350'SL &amp; 540'WL OF NE QTR SEC 25</b>																	
9. X: <b>2,170,400Y: 316,200</b>		21. Date drilling commenced: <b>2/11/83</b>																	
10. Quad: <b>MILLERSBURG</b>		22. Date drilling completed: <b>2/18/83</b>																	
11. Section: <b>25</b> 12. Lot:		23. Date put into production: <b>N/A</b>																	
13. Fraction: 14. Qtr Twp:		24. Date plugged if dry:																	
15. Tract:		25. Producing formation: <b>Clinton Sandstone</b>																	
16. Allot:		26. Deepest formation: <b>Queenston Shale</b>																	
17. Well #: <b>4</b>		27. Driller's total depth: <b>3881'</b>																	
18. Lease Name: <b>PAUL F. REINING</b>		28. Logger's total depth: <b>3874'</b>																	
19. PTD: <b>3900</b> 20. Drilling Unit: <b>20</b>																			
29. Type of tools: <input type="checkbox"/> Cable <input type="checkbox"/> Air Rotary <input checked="" 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 <b>1125'</b> Topo <b>1131'</b> Derrick Floor <b>1131'</b> Kelley Bushing <b>1132'</b>																			
32. Perforated intervals & number of shots: <b>3/9/83 Total 34 shots; Hollow Steel Carrier Diam.-3 1/2" Diam. Entrance-0.34 3701'-3702'-2 holes; 3712'-3713'-2 holes; 3719'-3721'-3 holes; 3732'-3736'-5 holes; 3743'-3747'-5 holes; 3755'-3766'-12 holes.</b>																			
33. Method of shot, acid, or fracture treatments, production tests, pressures, etc.: <b>3/10/83 Frac with 50,000# 20-50 sand; 1900 Bbls.Water; 15 min. S.I.P.- 1250#; Avg.Injection Rate- 29 Bbls./Min. Avg. Treating Pressure 1700#; Horsepower 4 HP - 1208</b>																			
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 <b>20</b>																			
35. Amount of initial production: Natural: Gas <u>Show</u> Oil <u>Show</u> Water _____ After Treatment: Gas <u>850 MCFG</u> Oil <u>1 BOPD</u> Water <u>Trace</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. <input checked="" type="checkbox"/> Drilling Operations c. _____ Disposal Well: County _____ Permit # _____ d. _____ Dust/Ice Control: County _____ Township or Municipality _____ e. _____ Secondary Recovery: County _____ Permit # _____ f. <input checked="" type="checkbox"/> Salt Water Haulers: (Name and telephone number) 1. <u>David-A. Waldron &amp; Assoc. (216) 264-7755</u> 2. <u>All Out, Inc. (216) 492-8336</u>																			
37. Casing and tubing record: Please indicate which is used (cement or mudding)																			
<table border="1" style="width: 100%; border-collapse: collapse;"><thead><tr><th>Size</th><th>Feet Used in Drilling</th><th>Amount of Cement or Mud</th><th>Feet Left in Well</th></tr></thead><tbody><tr><td><b>8 5/8"</b></td><td><b>505'</b></td><td><b>250 sks Neat w/3% Ca Cl<sub>2</sub></b></td><td><b>Set @ 489'</b></td></tr><tr><td><b>8 5/8"</b></td><td><b>505'</b></td><td><b>250 sks Class A</b></td><td><b>Reset 8 5/8" @ 470'</b></td></tr><tr><td><b>4 1/2"</b></td><td><b>3881'</b></td><td><b>120 sks R. F. C.</b></td><td><b>Cmt.Shoe Set @3854'</b></td></tr></tbody></table>				Size	Feet Used in Drilling	Amount of Cement or Mud	Feet Left in Well	<b>8 5/8"</b>	<b>505'</b>	<b>250 sks Neat w/3% Ca Cl<sub>2</sub></b>	<b>Set @ 489'</b>	<b>8 5/8"</b>	<b>505'</b>	<b>250 sks Class A</b>	<b>Reset 8 5/8" @ 470'</b>	<b>4 1/2"</b>	<b>3881'</b>	<b>120 sks R. F. C.</b>	<b>Cmt.Shoe Set @3854'</b>
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Comments: <b>Lost circulation on 1st 8 5/8" Cmt. Job, Re-cemented 8 5/8" w/250 sks Class A, plus when cementing 4 1/2" poured 30 sks Cmt. between 8 5/8" Csg. and 11" hole size.</b>																			
38. Name of drilling contractor: <b>PEP</b>																			
39. Type of electrical and/or radioactivity logs run: (All logs must be submitted) <b>Gamma Ray - Compensated - Neutron - Density; Correlation - Perforating Log</b>																			
40. Name of logging company: <b>Birdwell - S.S.C.</b>																			
DIVISION USE ONLY: Log Submitted: _____ Well Class: <b>POOL</b> A/D: _____																			

FORMATION		TOP	BASE	Shows of oil, gas, fresh water, or Brine — indicate depth or interval and amount	REMARKS
Fresh Water Strata					
Coal Seams					
1st Cow Run	321-6				
2nd Cow Run	324-1				
Maxton Sand	328-4				
Keener Sand	337-1				
Big Injun Sand	337-2				
Berea Sand	337-6	978'	1028'		
Ohio Shale	341-1				
Big Lime	344-4	2444'	3470'		
Oriskany	347-2	2620'	2645'		
Salina	351-2				
Newburg	351-3				
Lockport	354-1				
Little Lime	354-3	3576'	3587'		
Packer Shell	354-5	3634'	3673'		
Stray Clinton	357-2	3683'	3726'		
Red Clinton	357-3	3730'	3750'		
White Clinton	357-4	3754'	3786'		
Medina Whirlpool	357-7	3838'	3852'		
Queenston	361-3	3852'			
Total Depth			3881'		
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 4/26/83  
NAME (TYPED OR PRINTED) Richard D. Sohl TITLE President & Geologist  
REPRESENTING Blaze Oil and Gas, Inc.

# BIRDWELL



FIELD PRINT----FIELD PRINT----FIELD PRINT----FIELD PRINT

GAMMA RAY - COMPENSATED DENSITY - COMPENSATED NEUTRON

COMPANY-	BLAZE OIL AND GAS INC.	PERMIT #
WELL -	REINING #4	3901
FIELD -	N00DLE	OTHER LOGS
COUNTY -	H0LMES STATE- OHIO	
LOCATION-	1350 FT. FROM SL 540 FT. FROM WL	GRS-GDS
	NE QUARTER	
SEC- 25	TWP- HARDY RGE- NA	ELEVATIONS
DATUM-	GROUND LEVEL	KB- 1132
LOG FROM-	D.F.	DF- 1131
DRILLING FROM-	K.B.	GL- 1125

DATE	RUN #	SØI #	MUD SAMPLE		
2/18/83	ØNE	552340	RM/TEMP	RMF/TEMP	RMC/TEMP
DEPTH	DRILLER	LØGGER	1.5/ 74°F	/ °F	/ °F
TØTAL	3881	3874	SMPL FRØM	RMF FRØM	RMC FRØM
BTM LØG		3874	FLØW LINE		
TØP LØG		430	RM/BHT	SINCE CIRC	MAX TEMP
CASING		458	/ °F	4 HRS	NA °F
BØREHØLE FLUID			EQUIPMENT		
TYPE	LEVEL	DENSITY	UNIT #	LØCATION	
GEL	FULL	NA	3362	WØØSTER ØHIØ	
VISC	PH	LØSS	TYPE WELL	DRILLED WITH	
			ØIL-GAS	RØTARY	
LØG RECØRDED BY			LØG WITNESSED BY		
GFLENN MILLER			MR. SØHL		

#### BØREHØLE AND CASING RECØRD

BIT SIZE	FRØM	TØ	CSG SIZE	WEIGHT	FRØM	TØ
7 7/8	3881	489	8 5/8	N/A	SURF.	489

Δ

SCALE CHANGES						
LØG	DEPTH	SCALE UP	DØWN	DEPTH	SCALE UP	DØWN
ØN	3700	LS MATRIX	SS MATRIX			

--	--	--	--	--	--	--

EQUIPMENT AND LØGGING DATA <IF APPLICABLE>								
LØG	PANEL	SN	SØNDE	SN	SØURCE	SN	CALIB	SN
GRS	LACG 1001	31	LAAH6001	15				
DBC	LAJD 1001	15	LAJD8001	6	LAHA3001	319	LMCC2001	32
NBC	LACG 1001	20	LACG8001	11A	LABB3001	392	LMQB2001	7

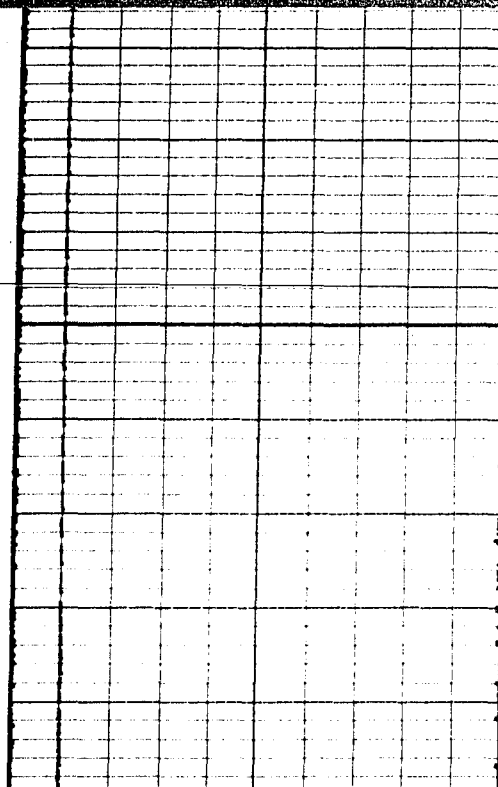
LØG	STAND ØFF	CENT RANGE	BUMPER DIAM	TØØL DIAM

LØG	DEPTH	TC	FLUID	HØLE	CSG	DEPTH	TC	FLUID	HØLE	CSG
ØB	ALL	2		7 7/8	8 5/8					
ØN	ALL	2								

--	--	--	--	--	--	--	--	--	--	--

Δ

REMARKS



5

4

3

2

1



DBC CALIBRATION	CNP CALIBRATION	GR CALIBRATION
1.ELECTRICAL ZERO	10.RATIO-1.0 $\phi$ LS-04.0	13.0 API
2. $\phi$ B-2.10 $\Delta \phi$ -0.00	11.RATIO-3.0 $\phi$ LS-30.7	14.100 API ABOVE
3. $\phi$ B-2.60 $\Delta \phi$ -0.00	12.RATIO- $\phi$ LS-17.0	
4. $\phi$ B-2.80 $\Delta \phi$ -0.10		
5. $\phi$ B-1.70 $\Delta \phi$ -0.00		
6. $\phi$ D-00.0		
7. $\phi$ D-16.0		
8.CAL- 6.0 INCHES		
9.CAL-10.0 INCHES		

COMPANY- BLAZE OIL AND GAS COMPANY	DATE- 2/18/83
WELL - REINING #4 FIELD - NOODLE COUNTY - HOLMES STATE- OHIO	
LOCATION- 1350 FT. SL 540 FT. WL	ELEVATIONS KB- 1132 DF- 1131 GL- 1125
SEC- 25 TWP- HARDY RGE- NA	
FIELD PRINT-FIELD PRINT	FIELD PRINT-FIELD PRINT



# BIRDWELL

## Depth Correlation Log

PERMIT #3901

COMPANY BLAZE OIL & GAS

WELL RENING #4

FIELD NOODLE

COUNTY HOLMES STATE OHIO

LOCATION: 1350' SL 540' WL  
OF NE QUARTER

OTHER SERVICES

SEC. 25 TWP. HARDY RGE.

PERMANENT DATUM GROUND LEVEL, ELEV. 1125'

LOG MEASURED FROM D.F. 6 Ft. Above Perm. Datum

DRILLING MEASURED FROM K.B.

ELEV. K.B. 1132'

D.F. 1131'

G.L. 1125'

DATE 3-9-83  
RUN NO. TWO  
TYPE LOG GRC  
DEPTH - DRILLER N/A  
DEPTH - LOGGER 3736'  
BTM. LOG. INTER. 3735'  
TOP LOG. INTER. 3600'  
TYPE FLUID IN HOLE FRESH WATER  
LEVEL N/A  
OPR. RIG TIME 4 HOURS  
TRUCK NO. 3343  
LOCATION WOOSTER  
RECORDED BY L. THOMAS  
WITNESSED BY D. SOHL

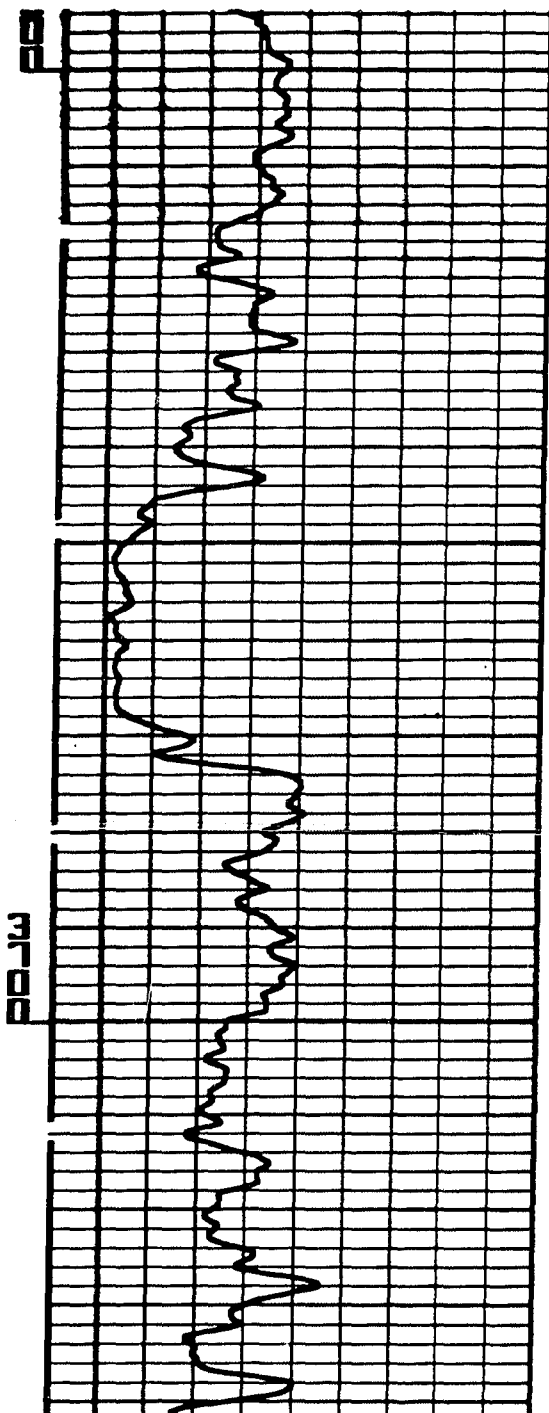
RUN NO.	BORE HOLE RECORD			CASING RECORD			
	BIT	FROM	TO	SIZE	WGT.	FROM	TO
1	N/A	SURFACE	N/A	8-5/8	N/A	SURFACE	489'
1	7-7/8	N/A	3881'	4-1/2	N/A	SURFACE	T.D.

EQUIPMENT DATA				WELL DATA					
LOG TYPE	GRC			PERFORATIONS	TYPE	SIZE	FROM	TO	HOLES/FT.
RUN NO.	ONE				PPJ	3-1/8"	3755'	3766'	1
SONDE MODEL NO.	LAAB 6001				PPJ	3-1/8"	3745'	3747'	1
SONDE SERIAL NO.	34				PPJ	3-1/8"	3732'	3736'	1
DIAMETER	3-5/8"				PPJ	3-1/8"	3719'	3721'	1
SPEED FT./MIN.	30				PPJ	3-1/8"	3712'	3713'	1
T.C. SEC.	2				PPJ	3-1/8"	3701'	3702'	1
REMARKS:									
				BRIDGE PLUG					
				TYPE				C.I. <input type="checkbox"/>	MAG. <input type="checkbox"/>
				SIZE NO.				DEPTH SET	
				TYPE				C.I. <input type="checkbox"/>	MAG. <input type="checkbox"/>
				SIZE NO.				DEPTH SET	

GAMMA RAY  
CORRELATION

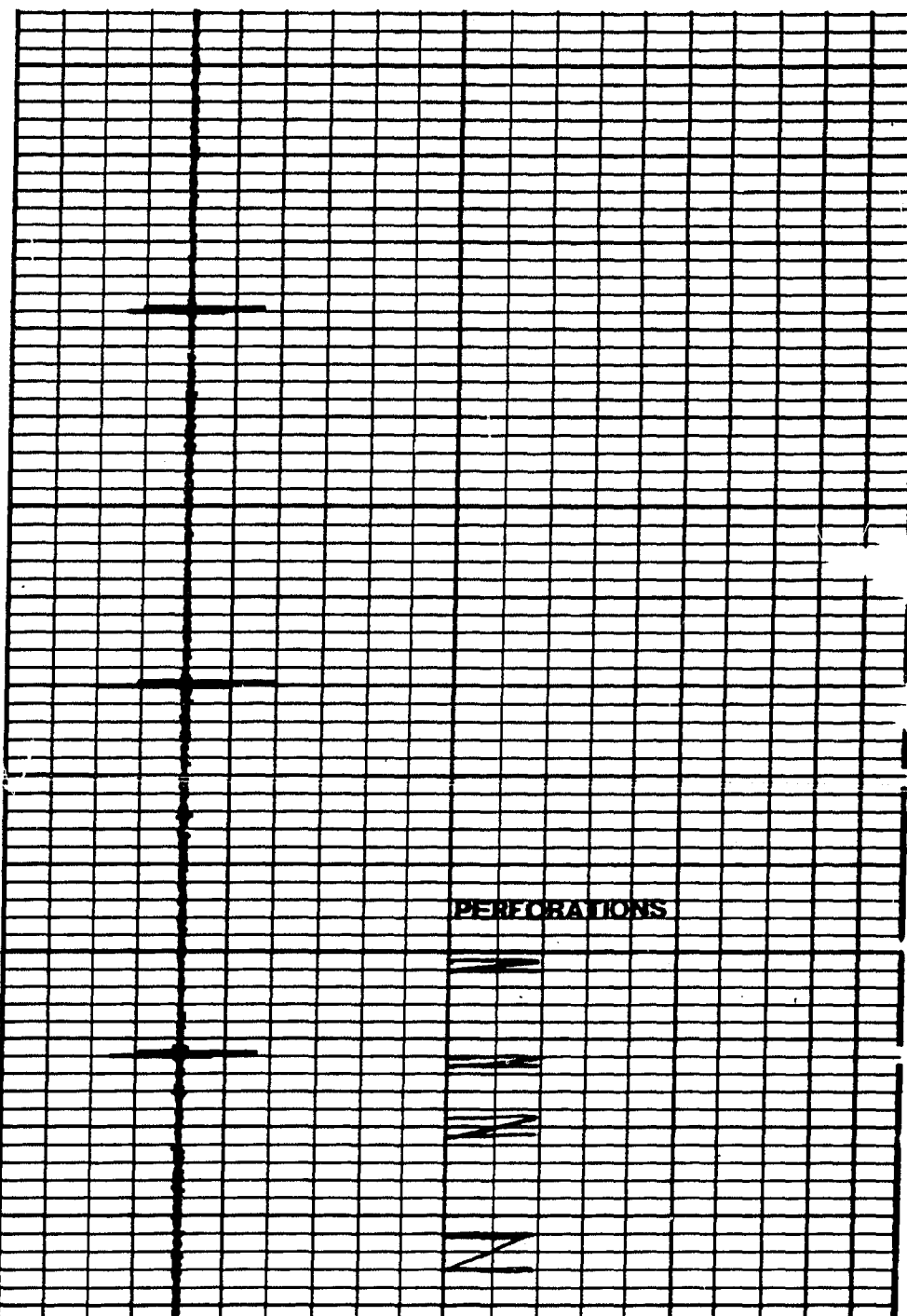
DEPTH

CASING COLLAR LOCATOR



3600

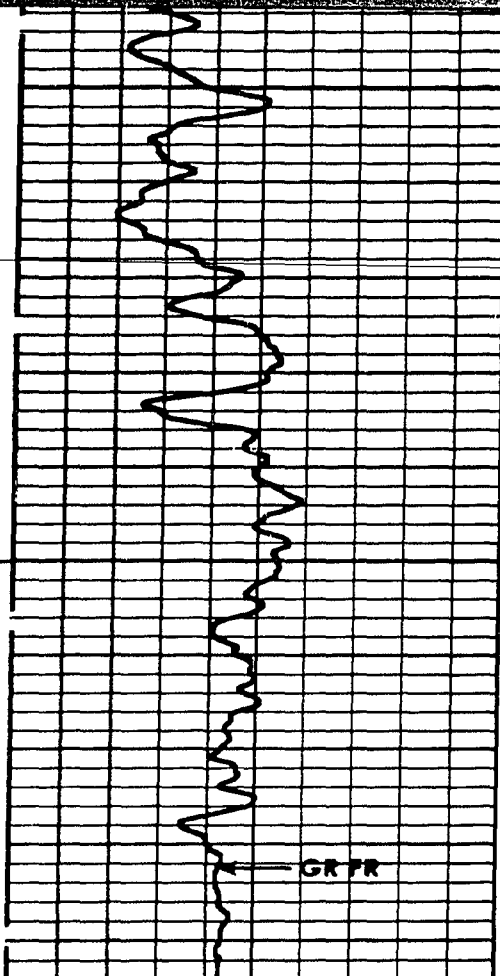
3700



PERFORATIONS

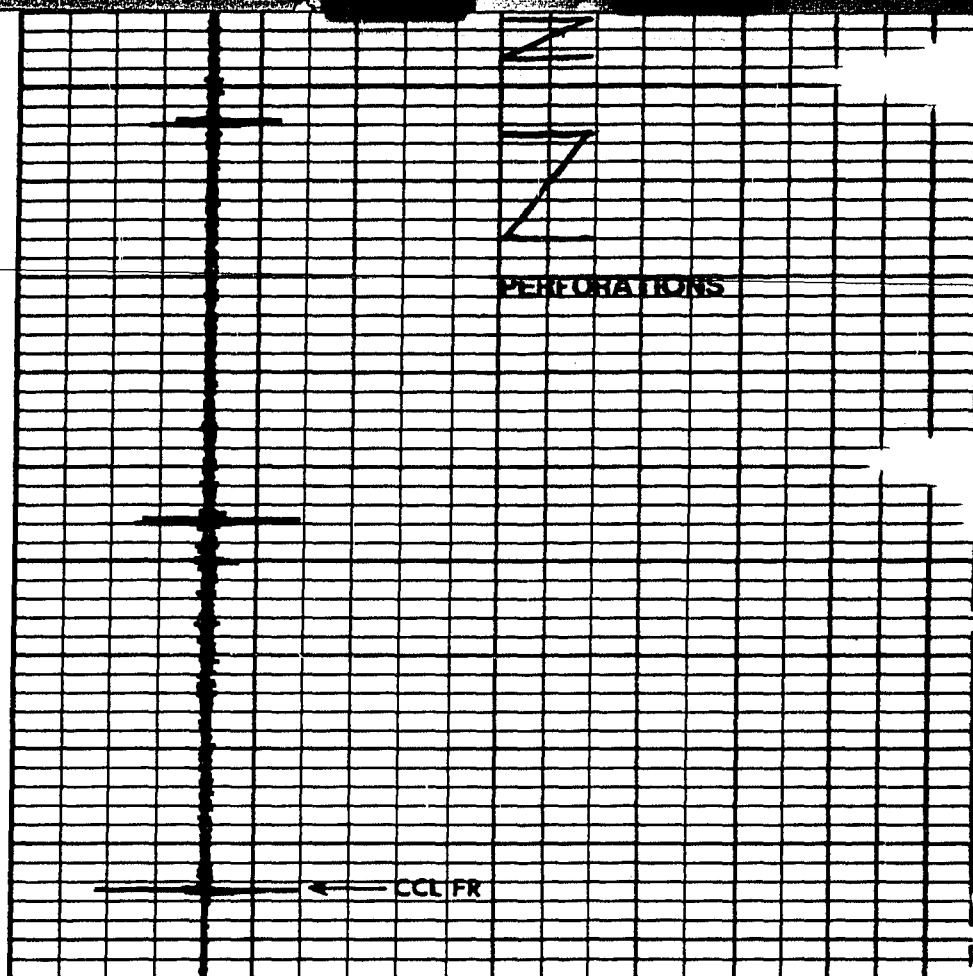


3800



GR FR

3800



CCL FR

PERFORATIONS

COMPANY BLAZE OIL & GAS  
WELL RENING #4  
FIELD NOODLE  
LOCATION 1350' SL & 540' WL OF NE QUARTER  
COUNTY HOLMES  
STATE OHIO DATE 3-9-83

DRILLER T.D. N/A  
BIRDWELL T.D. 3736'  
BIRDWELL F.R. 3735'  
ELEV.: K.B. 1132'  
D.F. 1131'  
G.L. 11-5'

# BIRDWELL DIVISION

**SSC II** Seismograph Service Corporation  
A SUBSIDIARY OF RAYTHEON COMPANY

SSC-705-C

## DETERMINATION ORDER

RUN DATE: 05/18/83

PAGE: 8

NAME	API#	SECTION	WELL#	LEASE NAME	DETERM
APPALACHIAN EXPLORATION	153 2 1236	107 C	1	PIERO UNIT	A
BEREA OIL & GAS CORP.	155 2 2195	103	1	G. HULL	A
BEREA OIL & GAS CORP.	155 2 2195	107 C	1	G. HULL	A
BERRESFORD ENTERPRISES	167 2 7317	103	8	LOUIS SCHILLING	A
BERRESFORD ENTERPRISES	167 2 7318	103	3	SINGREE	A
BERRESFORD ENTERPRISES	167 2 7320	103	4	SINGREE	A
BERRESFORD ENTERPRISES	167 2 7370	103	6	TAYLOR	A
BERRESFORD ENTERPRISES	167 2 7406	103	17	LOUIS SCHILLING	A
BLAZE OIL & GAS, INC	075 2 3901	103	4	PAUL F. REINING	A
BLAZE OIL & GAS, INC	075 2 3901	107 C	4	PAUL F. REINING	A
BLAZE OIL & GAS, INC	075 2 3903	103	3	PAUL F. REINING	A
BLAZE OIL & GAS, INC	075 2 3903	107 C	3	PAUL F. REINING	A
CAMERON BROTHERS	119 2 6610	107 C	1	K. & R. JOHNSTON	A
DORSET COMPANY, INC.	007 2 1593	103	5	NEWCOMB	A
ENERGY DEVELOPMENT CORP.	007 2 1973	103	1	GAVLENSKI	A
ENERGY DEVELOPMENT CORP.	007 2 1973	107 C	1	GAVLENSKI	A
ENERGY DEVELOPMENT CORP.	007 2 2047	103	3	NEALEN UNIT	A

WEEKLY CIRCULAR 83-20  
MAY 20, 1983

83-20

OHIO DEPARTMENT OF NATURAL RESOURCES  
\*\*\*\*\*  
-APPALACHIAN EXPLORATION INC RECEIVED: 06/07/83 JA: OH  
8340866 3415321236 107-TF PIERD UNIT #1  
-BEREA OIL AND GAS CORPORATION RECEIVED: 06/07/83 JA: OH  
8340867 3415522195 103 107-TF G HULL #1  
-BERRESFORD ENTERPRISES INC RECEIVED: 06/07/83 JA: OH  
8340872 3416727406 103 LOUIS SCHILLING #17  
8340868 3416727317 103 LOUIS SCHILLING #8  
8340869 3416727318 103 SINGREE #3  
8340870 3416727320 103 SINGREE #4  
8340871 3416727379 103 TAYLOR #6  
-BLAZE OIL AND GAS INC RECEIVED: 06/07/83 JA: OH

COPLEY 45.6 YANKEE RESOURCES  
HARTFORD 11.0  
WATERFORD 0.0  
WATERFORD 0.0  
WATERFORD 0.0  
WATERFORD 0.0  
WATERFORD 0.0

JD NO JA DKT API NO D SEC(1) SEC(2) WELL NAME  
8340874 3407523903 103 107-TF PAUL F REIHING #3  
8340873 3407523901 103 107-TF PAUL F REIHING #4  
-CAMERON BROS RECEIVED: 06/07/83 JA: OH  
8340875 3411926610 107-TF K & R JOHNSTON #1  
-DORSET CO INC RECEIVED: 06/07/83 JA: OH  
8340876 3400721593 103 NEWCOMB 5  
-ENERGY DEVELOPMENT CORP RECEIVED: 06/07/83 JA: OH  
8340877 3400721973 103 107-TF GAVLENSKI #1  
8340880 3400722144 103 107-TF GERLAT WELL #2  
8340879 3400722137 103 107-TF KAPALCO WELL #3  
8340878 3400722047 103 107-TF HEALEY UNIT #3  
-ENVIROGAS INC RECEIVED: 06/07/83 JA: OH  
8340881 3411522925 103 107-TF L SMITH #9  
-FREDERICK PETROLEUM CORP RECEIVED: 06/07/83 JA: OH  
8340882 3412122896 107-DV H SCHAFER #1  
8340883 3412122946 107-TF ORANGE COAL CO #8  
-FRONTIER PETROLEUM LTD RECEIVED: 06/07/83 JA: OH  
8340884 3416723163 107-DV JOHN MCCLAIN #1  
-G-D OIL & GAS PARTNERSHIP RECEIVED: 06/07/83 JA: OH  
8340885 3415123649 103 ELLIS ERB COMM #1  
-GASEARCH INC RECEIVED: 06/07/83 JA: OH  
8340886 3409921542 103 107-TF HUGHES #1  
-GENERAL ELECTRIC CO RECEIVED: 06/07/83 JA: OH  
8340887 3400722172 103 107-TF PARR UNIT #1  
8340888 3400722175 103 107-TF YUHASZ #1  
-INDUSTRIAL NATURAL GAS CORP RECEIVED: 06/07/83 JA: OH  
8340889 3411723423 102-4 SHADE LAND CO 1-27  
-K S T OIL & GAS CO INC RECEIVED: 06/07/83 JA: OH  
8340890 3415321277 103 107-TF HELLINGTON-BARKE #1  
8340891 3415321365 103 107-TF WILLIAMS #1  
-KENNETH C VARNER RECEIVED: 06/07/83 JA: OH  
8340892 3408924611 103 TWENTIETH CENTURY CLUB #1  
-KEHOIL RECEIVED: 06/07/83 JA: OH  
8340893 3403124360 108 JOHNNY COOL #1  
-KRAMER EXPLORATION CO RECEIVED: 06/07/83 JA: OH  
8340895 3410522603 103 107-TF BURGDARDNER #1  
8340894 3410522601 103 107-TF BURGDARDNER #4  
-L & M PETROLEUM INC RECEIVED: 06/07/83 JA: OH  
8340896 3412725851 103 CLAYCRAFT #21  
8340898 3401921967 108 GLASS #1  
8340897 3401921919 108 GLASS #2  
-MARIETTA ROYALTY CO INC RECEIVED: 06/07/83 JA: OH  
8340899 3411112976 107-DV HENRY FRY - UNIT #1  
-OXFORD OIL CO RECEIVED: 06/07/83 JA: OH  
8340907 3411523006 103 107-TF C M CROOKS #1  
-POI ENERGY INC RECEIVED: 06/07/83 JA: OH  
8340900 3400722077 103 107-TF RUNYAN-PICKETT #1  
8340902 3405520442 103 107-TF SEA WORLD IS  
8340901 3420552044 103 107-TF SEA WORLD ETAL #10  
-R C POLING CO INC RECEIVED: 06/07/83 JA: OH  
8340903 3412725824 107-TF MARY JANE FRIEL #1  
-R H HUTCHESON RECEIVED: 06/07/83 JA: OH

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FIELD NAME PROD PURCHASER  
HOODLE 10.0 COLUMBIA GAS TRAN  
HOODLE 12.0 COLUMBIA GAS TRAN  
PERRY 11.0  
DENMARK 0.0 JONES & LAUGHLIN  
ROME 18.0  
NEW LYME 17.0  
ROME 19.0  
NEW LYME 18.0  
HOMER 18.2  
ENOCH 11.0  
ENOCH 80.0  
LUDLOW 12.0 RIVER GAS CO  
LAKE 10.0 EAST OHIO GAS CO  
AUSTINTOWN 20.0 AMERICAN ENERGY S  
CHERRY VALLEY 20.0 EAST OHIO GAS CO  
COLEBROOK 20.0 EAST OHIO GAS CO  
NORTH BLOOMFIELD 220.0  
SAGADORE HILLS 50.0 YANKEE RESOURCES  
TWINSBURG 40.0 YANKEE RESOURCES  
HANOVER 12.0 NATIONAL GAS & OI  
5.0 COLUMBIA GAS TRAN  
RUTLAND 10.0 COLUMBIA GAS TRAN  
RUTLAND 0.0 COLUMBIA GAS TRAN  
PIKE 10.0  
10.0 BONANZA GAS LINE  
10.0 BONANZA GAS LINE  
DENTON 25.0 RIVER GAS CO  
YUCK 11.0  
NEW LYME 42.0  
BAINBRIDGE 50.0  
BAINBRIDGE 55.0  
CLAYTON 0.0