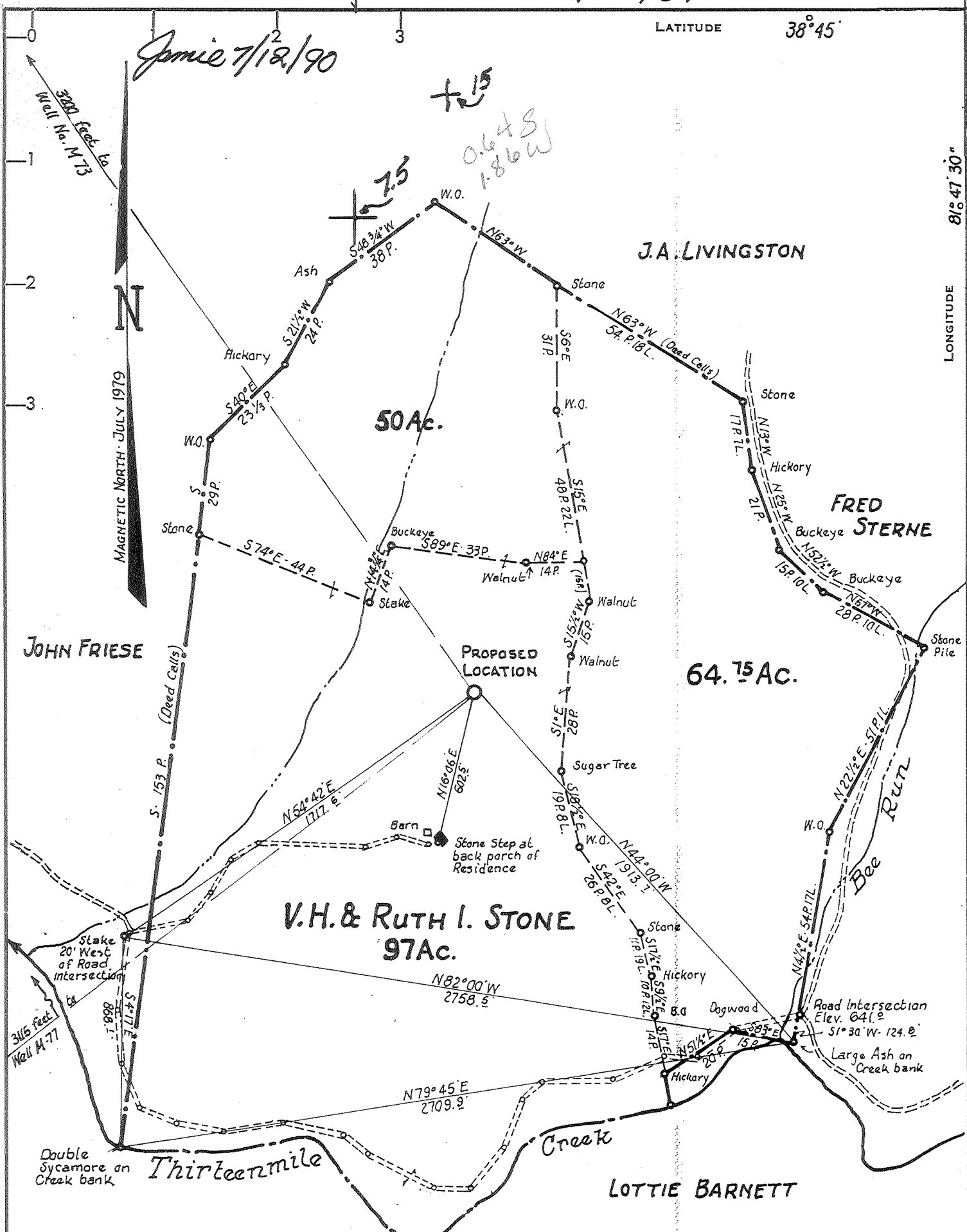


9840'



- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

CERTIFICATE

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Minimum degree of accuracy is one part in 200

Signed *William S. Smith* L.L.S. #116
(N.B. No. 117 - Pg. 37)

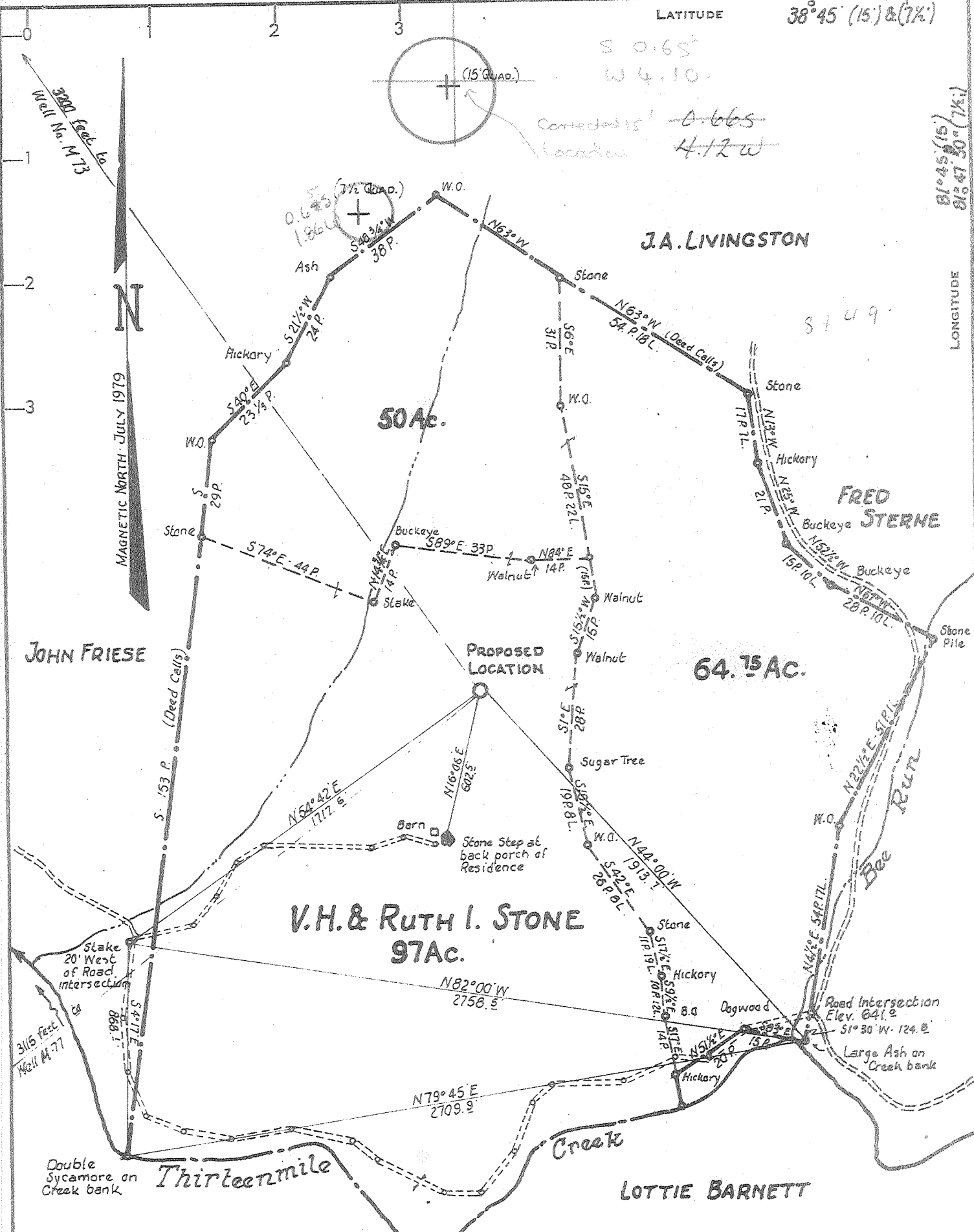
COMPANY: *Peake Energy*
 ADDRESS: *PO Box 8, Ravenswood, W.V. 26164*
 FARM: *V.H. & RUTH I. STONE*
 MAP: _____ ACRES: *203.75* LEASE NO. _____
 WELL (FARM) NO. *1* SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL): *819.6'*
 QUADRANGLE: *WINFIELD N.E. 15/Elmwood 7.5*
 COUNTY: *MASON* DISTRICT: *UNION*
 POINT OF PROVEN ELEVATION: *U.S.G.S. DATUM*
ROAD INTERSECTION AT BEE RUN (As shown above)
 FILE NO. _____ DRAWING NO. _____
 DATE: *JULY 17, 1979.* SCALE: *1" = 500'*

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. **47-053-01997**

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

- DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.

DEEP WELL DWWD 7-6 Rock Castle (346)



CERTIFICATE

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."

Minimum degree of accuracy is one part in 200

Signed *William S. Smith* L.L.S. #116
(N.S. No. 117, Pg. 37)

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY **KAISER EXPLORATION & MINING CO.**
 ADDRESS **P.O. Box 8, RAYNSWOOD, W.VA. 26164**
 FARM **V. H. & RUTH I. STONE**
 MAP _____ ACRES **203.75** LEASE NO. _____
 WELL (FARM) NO. **1** SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) **819.6'**
 QUADRANGLE **WINFIELD N.E. (ELMWOOD 1: 24000 QUADRANGLE)**
 COUNTY **MASON** DISTRICT **UNION**
 POINT OF PROVEN ELEVATION **U.S.G.S. DATUM**
ROAD INTERSECTION AT BEE RUN (As shown above)
 FILE NO. _____ DRAWING NO. _____
 DATE **JULY 17, 1979.** SCALE **1" = 500'**

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO. **47-053-0199**
 + DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS. SCALE 1 TO 62,500. LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN. **AUG 13 1979**
 - DENOTES ONE-INCH SPACES ON BORDER LINE OF ORIGINAL TRACING.



OCT 28 1979

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Elmwood
Permit No. 47-053-0199

Company Kaiser Exploration and Mining Company
Address P. O. Box 8, Ravenswood, WV 26164
Farm V. H. Stone Acres 204
Location (waters) Spruce Run
Well No. KEM 18 Elev. 819.6
District Union County Mason
The surface of tract is owned in fee by _____
V. H. Stone

Address 7622 Stahl Road, Orient, OH 43146
Mineral rights are owned by Same
Address Same

Drilling Commenced August 7, 1979
Drilling Completed August 16, 1979
Initial open flow 6,441 cu. ft. -- bbls.
Final production 500 M cu. ft. per day -- bbls.
Well open 24 hrs. before test 1780 RP.

| Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
|----------------------|------------------|--------------|---|
| Size 20-16 | | | |
| Cond. 13-10" 10 3/4' | 253' (K.B.) | | To surface 125 sx Class A - Halliburton |
| 9 5/8 | | | |
| 8 5/8 | | | |
| 7 | 2562' (K.B.) | | 165 sx (65 sx Pozmix 100 sx Class A) Dowell |
| 5 1/2 | | | |
| 4 1/2 | 4874' (K.B.) | | 225 sx Pozmix Halliburton |
| 3 | | | |
| 2 | | | |
| Liners Used | | | |

Well treatment details:

Attach copy of cementing record.

Perforated Oriskany 4789' - 4795' (K.B.), 4 holes/ft; plug pumped down w/500 gal 28% HCL; fractured 8/21/79 by Halliburton with 30,000# 80/100 mesh sand and 30,000# 20/40 mesh sand, 1400 HHP, 958 BBL water, and 155,000 SCF of nitrogen.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand _____ Depth _____

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|----------------|-------|--------------|----------|-------------|-------------------|---|
| Shale & silts | | | 0 | 115 | | <i>Tops probably from KB about 830'</i> |
| Sandstone | | | 115 | 145 | | |
| Shale | | | 145 | 220 | | |
| Sandstone | | | 220 | 250 | | |
| Shale | | | 250 | 435 | | |
| Sandstone | | | 435 | 445 | | |
| Shale | | | 445 | 455 | | |
| Sandstone | | | 455 | 480 | | |
| Shale | | | 480 | 608 | | |
| Sandstone | | | 608 | 615 | | |
| Shale | | | 615 | 625 | | |
| Coal | | | 625 | 630 | | |
| Shale | | | 630 | 675 | | |
| Sandstone | | | 675 | 720 | | |
| Shale | | | 720 | 835 | | |
| Sandstone | | | 835 | 845 | | |
| Shale | | | 845 | 915 | | |
| Sandstone | | | 915 | 1015 | | |
| Shale | | | 1015 | 1100 | | |
| Salt sandstone | | | 1100 | 1125 | | |
| Shale | | | 1125 | 1150 | | |
| Salt sandstone | | | 1150 | 1220 | | |

(over)

* Indicates Electric Log tops in the remarks section.

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|-----------------------------|-------|--------------|----------|-------------|-------------------|---------------------|
| Shale | | | 1220 | 1295 | | |
| Salt sand | | | 1295 | 1400 | | |
| Shale | | | 1400 | 1470 | | |
| Sandstone | | | 1470 | 1510 | | |
| Siltstone | | | 1510 | 1540 | | |
| Sandstone | | | 1540 | 1563 | | |
| Shale | | | 1563 | 1618 | | |
| Sandstone | | | 1618 | 1680 | | |
| Shale | | | 1680 | 1745 | | |
| Sandstone | | | 1745 | 1753 | | |
| Shale | | | 1753 | 1795 | | |
| Sandstone | | | 1795 | 1815 | | |
| Shale | | | 1815 | 1845 | | |
| Big lime | | | 1845 | 1922 | | |
| Pocono shale | | | 1922 | 2045 | | |
| Pocono Big Injun | | | 2045 | 2160 | | |
| Grey shale | | | 2160 | 2460 | | |
| Sunberry shale | | | 2460 | 2482 | | |
| Berea sandstone | | | 2482 | 2495 | Wet | |
| Grey shale | | | 2495 | 3670 | | |
| Devonian shale | | | 3670 | 4130 | | |
| Grey shale | | | 4130 | 4470 | | |
| Marcellus | | | 4470 | 4690 | | |
| Onondaga Limestone | | | 4690 | 4766 | | |
| Oriskany Hoirzon | | | 4766 | 4806 | | |
| <u>Hilderburg limestone</u> | | | 4806 | 4879 | T.D. | Show of gas @ 4792' |

Date October 16, 1979

APPROVED Earl A. Payne General

By Operations Manager
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 44

OIL & GAS DIVISION
DEPT. OF MINES

Rotary Oil _____
Cable _____ Gas
Recycling _____ Comb. _____
Water Flood _____ Storage _____
Disposal _____ (Kind)

Quadrangle Elmwood
Permit No. 47-053-0199

| | | | | |
|---|----------------------|---------------------|-----------------|---|
| Company <u>Kaiser Exploration and Mining Company</u> | Casing and Tubing | Used in Drilling | Left in Well | Cement fill up Cu. ft. (Sks.) |
| Address <u>P. O. Box 8, Ravenswood, WV 26164</u> | | | | |
| Farm <u>V. H. Stone</u> Acres <u>204</u> | Size | | | |
| Location (waters) <u>Spruce Run</u> | 20-16 | | | |
| Well No. <u>KEM 18</u> Elev. <u>819.6</u> | Cond. | | | |
| District <u>Union</u> County <u>Mason</u> | 13-10" 10 3/4 | | 253 | 125 sx Class A (to surface) |
| The surface of tract is owned in fee by _____ | 9 5/8 | | | |
| <u>V. H. Stone</u> | 8 5/8 | | | |
| Address <u>7622 Stahl Rd, Orient, Ohio 43146</u> | 7 | | 2562 | 65 sx Pozmix, 100 sx Class A (1100') |
| Mineral rights are owned by <u>Same as above</u> | 5 1/2 | | | |
| Address <u>Same as above</u> | 4 1/2 | | 4874 | 225 sx Pozmix (2300') |
| Drilling Commenced <u>8/7/79</u> | 3 | | | |
| Drilling Completed <u>8/16/79</u> | 2 | | 4789 | |
| Initial open flow <u>6 M</u> cu. ft. _____ bbls. | Liners Used | | | |
| Final production <u>750 M</u> cu. ft. per day _____ bbls. | | | | |
| Well open <u>10</u> hrs. before test <u>1880</u> RP. | | | | |

Well treatment details:

Attach copy of cementing record.

Perforated Oriskany 4789' - 4795' (K.B.) w/4 holes/ft; Halliburton & Aircowell
fractured w/30,000# 80/100 sand and 30,000# 20/40 sand; used 155,000 SCF of nitrogen.

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet Salt Water _____ Feet
Producing Sand Oriskany Depth _____

| Formation | Color | Hard or Soft | Top Feet | Bottom Feet | Oil, Gas or Water | * Remarks |
|--------------|-------|--------------|----------|-------------|-------------------|-----------|
| Soil | | | 0 | 10 | | |
| Silt & Sand | | | 10 | 52 | | |
| Sand | | | 52 | 244 | | |
| Silt & Sand | | | 244 | 308 | | |
| Siltstone | | | 308 | 344 | | |
| Silt & Sand | | | 344 | 392 | | |
| Shale & Silt | | | 392 | 429 | | |
| Sand | | | 429 | 445 | | |
| Shale | | | 445 | 457 | | |
| Sand | | | 457 | 476 | | |
| Sand & Silt | | | 476 | 633 | | |
| Siltstone | | | 633 | 675 | | |
| Sand | | | 675 | 715 | | |
| Shale | | | 715 | 726 | | |
| Silt & Sand | | | 726 | 916 | | |
| Sand | | | 916 | 977 | | |
| Shale | | | 977 | 990 | | |
| Sand | | | 990 | 1033 | | |
| Shale | | | 1033 | 1042 | | |
| Siltstone | | | 1042 | 1100 | | |
| Sand | | | 1100 | 1138 | | |
| Shale | | | 1138 | 1153 | | |
| Sand | | | 1153 | 1220 | | |

(over)

* Indicates Electric Log tops in the remarks section.

MAR 10 1980

| Formation | Color | Hard or Soft | Top Feet 44 | Bottom Feet | Oil, Gas or Water | * Remarks |
|--------------|-------|--------------|-------------|-------------|-------------------|-----------|
| Shale & Silt | | | 1220 | 1296 | | |
| Sand | | | 1296 | 1354 | | |
| Shale | | | 1354 | 1364 | | |
| Sand | | | 1364 | 1385 | | |
| Silt & Sand | | | 1385 | 1470 | | |
| Sand | | | 1470 | 1478 | | |
| Shale | | | 1478 | 1490 | | |
| Sand | | | 1490 | 1508 | | |
| Silt & Sand | | | 1508 | 1845 | | |
| Maxton | | | 1845 | 1906 | | |
| Big Lime | | | 1906 | 1972 | | |
| Shale & Silt | | | 1972 | 2046 | | |
| Big Injun | | | 2046 | 2154 | | |
| Shale | | | 2154 | 2459 | | |
| Coffee Shale | | | 2459 | 2482 | | |
| Berea | | | 2482 | 2494 | | |
| Shale | | | 2494 | 3668 | | |
| Brown Shale | | | 3668 | 4130 | | |
| Shale | | | 4130 | 4471 | | |
| Marcellus | | | 4471 | 4690 | | |
| Onondaga | | | 4690 | 4766 | | |
| Oriskany | | | 4766 | 4802 | | |
| Helderberg | | | 4802 | 4880 | | |
| Total Depth | | | 4880 | | | |

Date February 20, 1980

APPROVED Kaiser Exploration and Mining Company

By Robert A. P...
Operations Manager



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED
JUL 30 1979

Oil and Gas Division OIL & GAS DIVISION
DEPT. OF MINES
OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,
Charleston, W. Va.

DATE July 26, 1979

Surface Owner V. H. Stone
Address 7622 Stahl Rd., Orient, OH 43146
Mineral Owner Same as above
Address Same as above
Coal Owner Same as above
Address Same as above
Coal Operator None
Address None

Company Kaiser Exploration and Mining Company
Address P. O. Box 8, Ravenswood, WV 26164
Farm V. H. Stone Acres 204 acres
Location (waters) Spruce Run
Well No. KEM 18 Elevation 819.6
District Union County Mason
Quadrangle Elmwood

THIS PERMIT MUST BE POSTED AT THE WELL SITE

provisions being in accordance with Chapter 22,
the W. Va. Code, the location is hereby approved
deepening (drilling) This permit shall expire if
operations have not commenced by 4-2-80

INSPECTOR

TO BE NOTIFIED Kenneth Butcher

ADDRESS RFD #1, Barboursville, WV 25504

PHONE 736-4885

[Signature]
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated September 8 1976 by V. H. & Ruth I. Stone made to Cities Service Oil Company and recorded on the 7 day of October 1976, in Mason County, Book 41 Page 151

XXX NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE
OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. *

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
MC-304 - 292-6331

Your signature
[Signature]
(Sign Name) R. A. Pryce
Well Operator
Kaiser Exploration and Mining Company
of
P. O. Box 8, Ravenswood
City or Town
West Virginia 26164
State

*SECTION 3 . . . If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

BLANKET BOND

**THIS IS AN ESTIMATE ONLY
ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION**

PROPOSED WORK ORDER TO X DRILL _____ DEEPEN _____ FRACTURE-STIMULATE _____
 DRILLING CONTRACTOR: (If Known) _____ RESPONSIBLE AGENT: _____
 NAME Not known at this time NAME Robert A. Pryce
 ADDRESS _____ ADDRESS P. O. Box 8, Ravenswood, WV 26164
 TELEPHONE _____ TELEPHONE 273-5371
 ESTIMATED DEPTH OF COMPLETED WELL: 4749 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: _____
 TYPE OF WELL: OIL _____ GAS X COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

| CASING AND TUBING SIZE | USED FOR DRILLING | LEFT IN WELL | CEMENT FILL UP OR SACKS - CUBIC FT. |
|------------------------|-------------------|--------------|-------------------------------------|
| 20 - 16 | | | |
| 13 - 10 | | | |
| 9 - 5/8 10 3/4 | 250 | 250 | Cement to surface. |
| 8 - 5/8 | | | |
| 7 | 2519 | 2519 | 125 sk = 570' |
| 5 1/2 | | | |
| 4 1/2 | 4749 | 4749 | 125 sks = 1500' |
| 3 | | | Perf. Top |
| 2 | | | Perf. Bottom |
| Liners | | | Perf. Top |
| | | | Perf. Bottom |

APPROXIMATE FRESH WATER DEPTHS _____ FEET SALT WATER _____ FEET
 APPROXIMATE COAL DEPTHS _____
 IS COAL BEING MINED IN THE AREA? No BY WHOM? _____

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

_____ must be completed by _____
 _____ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.
 _____ Coal Company have no objection to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

 For Coal Company

 Official Title

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: Peake Energy, Inc. 37085 (9) 338
- 2) Operator's Well Number: Kem #18 Stone 3) Elevation: 819.6
- 4) Well type: (a) Oil / or Gas /
 (b) If Gas: Production / Underground Storage /
 Deep / Shallow /
- 5) Proposed Target Formation(s): Devonian Brown Shale
- 6) Proposed Total Depth: 4122 feet
- 7) Approximate fresh water strata depths: Not Reported
- 8) Approximate salt water depths: Not Reported
- 9) Approximate coal seam depths: Not Reported
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Set Perm. Plug and Cal-Seal over Oriskany at 4300'.
 Perforate and fracture Brown Shale from 4122' to 3918'.
- 12)

Plus back 3' Acc 2
 CASING AND TUBING PROGRAM Existing well 053-0199

| TYPE | SPECIFICATIONS | | FOOTAGE INTERVALS | | CEMENT | |
|--------------|----------------|-------|-------------------|--------------|--------------|-------------------------------------|
| | Size | Grade | Weight per ft. | For drilling | Left in well | Fill-up (cu. ft.) |
| Conductor | 10 3/4" | | | | 253' | 125 SX CLASS A TO SURFACE |
| Fresh Water | | | | | | |
| Coal | | | | | | |
| Intermediate | 7" | | | | 2562' | 65 SX FOZ MIX 100 SX CLASS A (100') |
| Production | 4 1/2" | | | | 4874' | 225 SX FOZ MIX |
| Tubing | 2" | | | | 4789' | WT TO 2300' |
| Liners | | | | | | JUN 27 90 |

PACKERS : Kind _____
 Sizes _____
 Depths set _____

Permitting
 Oil and Gas Section

For Division of Oil and Gas Use Only

Fee(s) paid: Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Blanket one Agent
 (Type)

2006
 17

1) Date: June 6, 1990
2) Operator's well number
KEM #18
3) API Well No: 47 - 053 - 0199 F
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

RECEIVED
Division of Energy
JUN 27 90
Permitting
Oil and Gas Section

4) Surface Owner(s) to be served:
(a) Name Treva Shinn
Address 66 N. Warren
Columbus, OH
(b) Name _____
Address _____
(c) Name _____
Address _____

5) (a) Coal Operator:
Name _____
Address _____
(b) Coal Owner(s) with Declaration
Name _____
Address _____
Name _____
Address _____

6) Inspector Jerry Tephabock
Address Rt. 1, Box 101A
Ripley, WV 25271
Telephone (304)-372-6805

(c) Coal Lessee with Declaration
Name _____
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

_____ Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
x Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through _____ on the above named parties, by:

- _____ Personal Service (Affidavit attached)
- _____ Certified Mail (Postmarked postal receipt attached)
- _____ Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator PEAKE ENERGY, INC.
By: *John V. McElroy*
Its: _____ Designated Agent
Address _____ P. O. Box 8
_____ Ravenswood, WV 26164
Telephone _____ 273-5371

Subscribed and sworn before me this 6 day of June, 1990

Steph Kelly
My commission expires October 28, 1993 Notary Public

State of West Virginia
DEPARTMENT OF ENERGY
Division of Oil and Gas

Well Operator's Report of Well Work

Farm name: SHINN, TREVA Operator Well No.: KEM 18 STONE

LOCATION: Elevation: 819.60 Quadrangle: ELMWOOD

District: UNION County: MASON
Latitude: 3320 Feet South of 38 Deg. 45Min. 0 Sec.
Longitude 9840 Feet West of 81 Deg. 47 Min. 30 Sec.

Company: PEAKE ENERGY, INC
P. O. BOX 8
RAVENSWOOD, WV 26164-0000

Agent: JOHN V. McCALLISTER

Inspector: JERRY TEPHABOCK
Permit Issued: 07/13/90
~~Well~~ work Commenced: 08/27/90
~~Well~~ work Completed: 08/28/90
Verbal Plugging
Permission granted on:
Rotary ~~====~~ cable Service Rig
Total Depth (feet) 4360
Fresh water depths (ft)

Salt water depths (ft)

Is coal being mined in area (Y/N)?^N
Coal Depths (ft): N/A

| Casing & Tubing | Used in Existing Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|-----------------|--------------------------------------|--------------|------------------------|
| Size | | | |
| 10-3/4" | 253 | | 125 sx |
| 7" | 2562 | | 165 sx |
| 4-1/2" | 4874 | | 225 sx |
| | | | |
| | | | |

Plug Back

Plug Back

OPEN FLOW DATA

Producing formation Devonian Brown Shale Pay zone depth (ft) 940-412
Gas: Initial open flow -- MCF/d Oil: Initial open flow -- Bbl/d
Final open flow 165 MCF/d Final open flow 0 Bbl/d
Time of open flow between initial and final tests 4 Hours
Static rock Pressure 900 psig (surface pressure) after 72 Hours

Second producing formation Pay zone depth (ft)
Gas: Initial open flow MCF/d Oil: Initial open flow Bbl/d
Final open flow MCF/d Final open flow Bbl/d
Time of open flow between initial and final tests Hours
Static rock Pressure psig (surface pressure) after Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: John V. McCallister
PEAKE ENERGY, INC

SEP 14 1990

By: Asst. Operations Mgr.
Date: 09/04/90

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

- 08/27/90 - Young's Wireline set permanent, mechanical plug with Cal-Seal inside 4-1/2" csg at 4360 ft. Young's perforated the Brown Shale interval from 3940 to 4123 using 27 holes.
- 08/28/90 - Newsco foam-fractured the Brown Shale using 60,000 lbs of sand 296 bbl of fluid and 611,175 SCF of nitrogen.
BDP = 1550 psig ATP = 2500 psig ISIP = 1400 psig

WELL LOG

| FORMATION | TOP | BOTTOM | REMARKS |
|--|-----|--------|---------|
| <p>NOTE: This well was originally drilled and completed in the Oriskany Sand by Kaiser Exploration and Mining Company. All casing and formation data remains the same as previously submitted by Kaiser in 1979.</p> | | | |

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