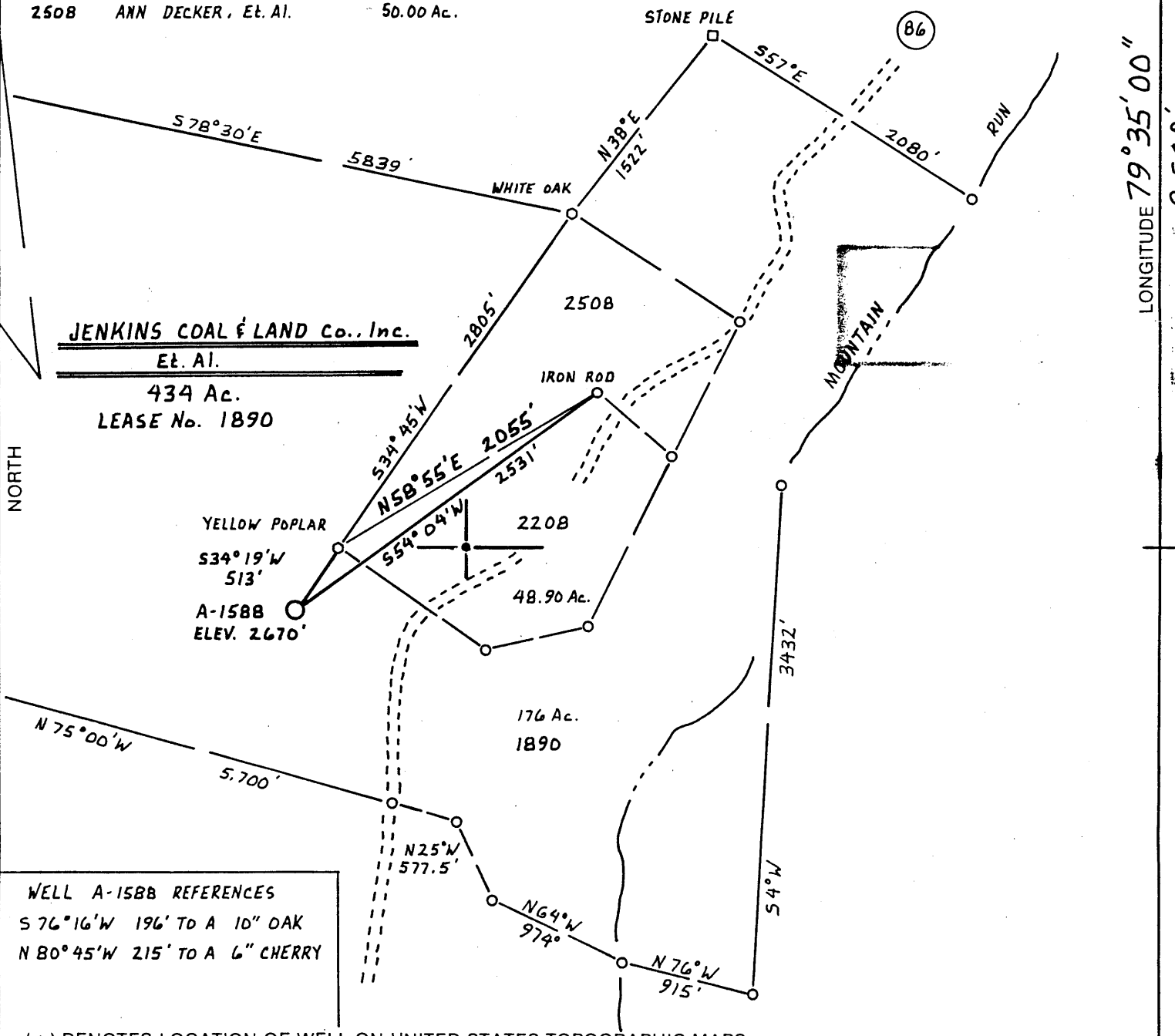


9,400'

LATITUDE 39°27'30"

UNIT

| LEASE NO. | LESSOR | ACREAGE |
|-----------|---------------------------------------|-----------|
| 1890 | JENKINS COAL & LAND Co. INC., Et. Al. | 600 Ac. |
| 2208 | FLORENCE HALBRITTER, Et. Al. | 48.90 Ac. |
| 2508 | ANN DECKER, Et. Al. | 50.00 Ac. |



JENKINS COAL & LAND Co., Inc.
Et. Al.
434 Ac.
LEASE No. 1890

WELL A-1588 REFERENCES
S 76°16'W 196' TO A 10" OAK
N 80°45'W 215' TO A 6" CHERRY

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. D.Y. / RK
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 PART IN 200
PROVEN SOURCE OF ELEVATION U.S.G.S. REFERENCE
MARKER # 2 - 1956 ELEV. 3008'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
(SIGNED) Cecil R. Main
R.P.E. _____ L.L.S. 711

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE JUNE 26, 1984
OPERATOR'S WELL NO. A-1588
API WELL NO. _____
47 077 0241-P
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
LOCATION: ELEVATION 2,670' WATERSHED MOUNTAIN RUN
DISTRICT PORTLAND COUNTY PRESTON
QUADRANGLE TERRA ALTA 7.5'

SURFACE OWNER ENZER WHITEHAIR, Et. Al. ACREAGE 600.66 Ac.
OIL & GAS ROYALTY OWNER JENKINS COAL & LAND Co., INC., Et. Al. LEASE ACREAGE 434 Ac. of 1884 Ac.
LEASE NO. 1890

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION ORISKANY ESTIMATED DEPTH 7,500'
WELL OPERATOR ALAMCO DESIGNATED AGENT DANIEL L. WHEELER
ADDRESS P.O. Box 1740; CLARKSBURG, W. VIRGINIA 26302-1740 ADDRESS P.O. Box 1740; CLARKSBURG, W. VIRGINIA 26302-1740

JUL 28 1986

DEEP WELL

LONGITUDE 79°35'00"

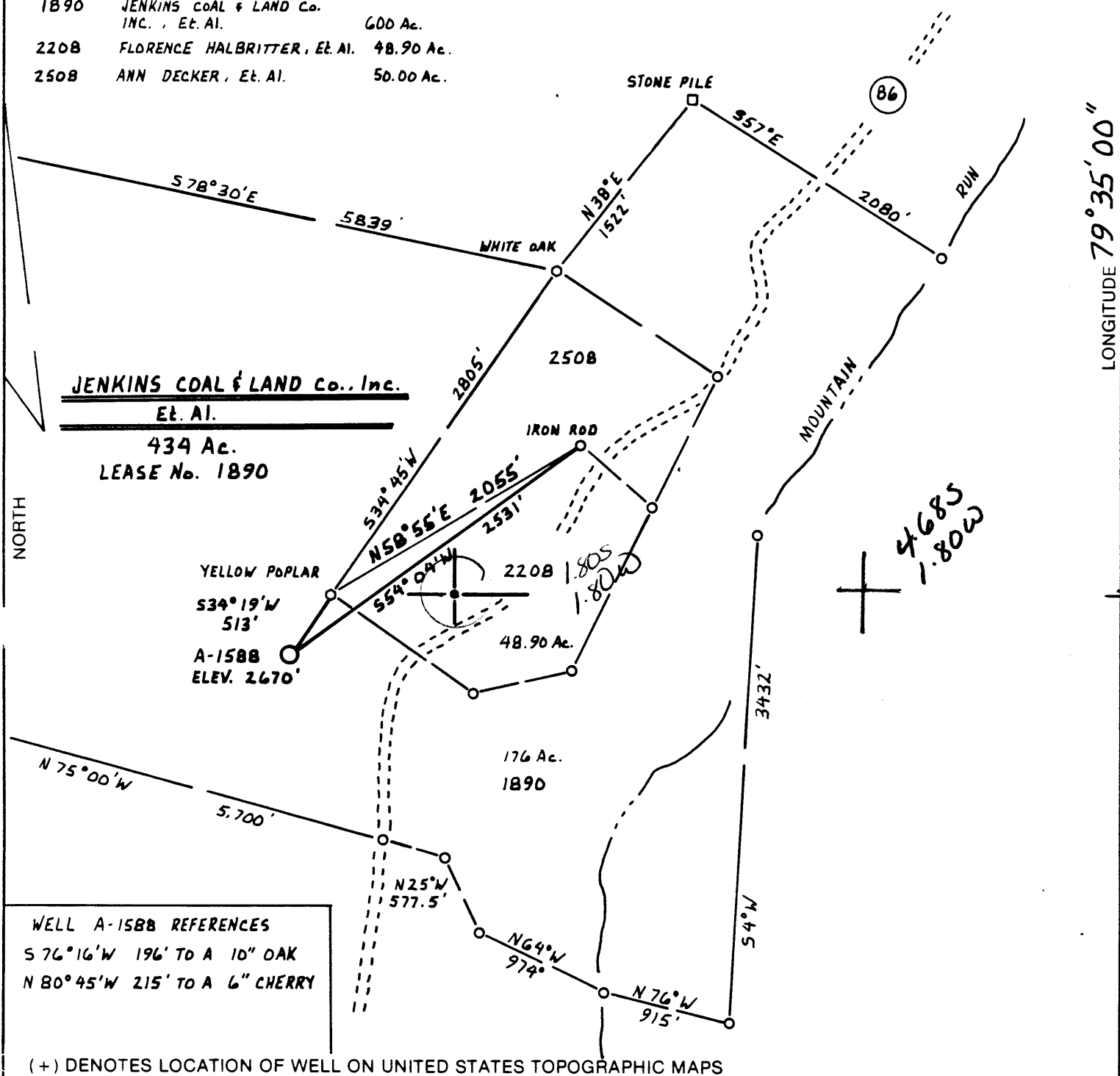
A-1588-077 PRESTON

PERMIT

FORM IV-6 (8-78) H.T. HALL

UNIT

| LEASE NO. | LESSOR | ACREAGE |
|-----------|---------------------------------------|-----------|
| 1890 | JENKINS COAL & LAND Co. INC., Et. Al. | 600 Ac. |
| 2208 | FLORENCE HALBRITTER, Et. Al. | 48.90 Ac. |
| 2508 | ANN DECKER, Et. Al. | 50.00 Ac. |



JENKINS COAL & LAND Co., Inc.
Et. Al.
434 Ac.
LEASE No. 1890

WELL A-1588 REFERENCES
S 76°16'W 196' TO A 10" OAK
N 80°45'W 215' TO A 6" CHERRY

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. D.Y. / RK
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1 PART IN 200
PROVEN SOURCE OF ELEVATION U.S.G.S. REFERENCE
MARKER # 2 - 1956 ELEV. 3008'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
(SIGNED) Cecil R. Main
R.P.E. _____ L.L.S. 711

PLACE SEAL HERE

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION



DATE JUNE 26, 1984
OPERATOR'S WELL NO. A-1588
API WELL NO. 47-077-0241
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___

LOCATION: ELEVATION 2,670' WATERSHED MOUNTAIN RUN
DISTRICT PORTLAND 5 COUNTY PRESTON

QUADRANGLE TERRA ALTA 637.5' Kingwood 665' NC2
SURFACE OWNER ENZER WHITEHAIR, Et. Al. ACREAGE 600.66 Ac.
OIL & GAS ROYALTY OWNER JENKINS COAL & LAND Co., INC., Et. Al. LEASE ACREAGE 434 Ac. of 1884 Ac.

PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE ___ PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION X OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET FORMATION ORISKANY ESTIMATED DEPTH 7,500'
WELL OPERATOR ALAMCO DESIGNATED AGENT DANIEL L. WHEELER
ADDRESS P.O. Box 1740; CLARKSBURG, W. VIRGINIA 26302-1740 ADDRESS P.O. Box 1740; CLARKSBURG, W. VIRGINIA 26302-1740

DEEP WELL

FORM IV-6 (8-78)

COUNTY NAME PERMIT

RECEIVED
JUL 29 1985



Date July 25, 1985
Operator's _____
Well No. A-1588
Farm Jenkins Coal
API No. 47 - 077 - 0241

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL and GAS DIVISION

WELL OPERATOR'S REPORT
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: OIL ___ / GAS X / LIQUID INJECTION ___ / WASTE DISPOSAL ___
(If "Gas", Production ___ / Underground Storage ___ / Deep ___ / Shallow XX ___)

LOCATION: Elevation: 2670' Watershed Mountain Run
District: Portland County: Preston Quadrangle: Terra Alta 7.5'

COMPANY ALAMCO, INC
200 West Main Street
ADDRESS Clarksburg, West Virginia 26301
DESIGNATED AGENT ALAMCO, INC
200 West Main Street
ADDRESS Clarksburg, West Virginia 26301
SURFACE OWNER Enzer Whitehair, et al
ADDRESS Rt. 1, Box 120, Terra Alta, WV 26764
MINERAL RIGHTS OWNER Jenkins Coal
ADDRESS P.O. Box 350, Bruceton Mills, WV
OIL AND GAS INSPECTOR FOR THIS WORK Don
Ellis ADDRESS Fairmont, WV 26554
PERMIT ISSUED July 19, 1984
DRILLING COMMENCED August 8, 1984
DRILLING COMPLETED September 28, 1984
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON _____

| Casing & Tubing Size Cond. | Used in Drilling | Left in Well | Cement fill up Cu. Ft. |
|----------------------------|------------------|--------------|------------------------|
| 20-16 | | | |
| 13-3/8" | 154' | 154' | |
| 9 5/8" | 1924' | 1924' | to surface |
| 8 5/8" | | | |
| 7" | | | |
| 5 1/2" | | | |
| 4 1/2" | 8511' | 8511' | w/375 sks 7462' |
| 3 | | | |
| 2 | | | |
| Liners used | | | |

GEOLOGICAL TARGET FORMATION Oriskany DEPTH 7500 FEET

Depth of completed well 8592 feet Rotary x / Cable Tools _____
Water Strata depth: Fresh 40, 300, 315, 690, 700, 2420 feet Salt _____ feet
Coal seam depth: None listed Is coal being mined in this area? No

OPEN FLOW DATA

Producing formation Not producing Pay zone depth See Back feet
Gas: Initial open flow No show Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow Not able to test Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ hours
Static rock pressure _____ psig (surface measurement after _____ hours shut-in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
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 measurement) after _____ hours shut-in
(continue on reverse side)

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

Well was fractured October 11, 1984
 Perforations: 8212 - 8214
 8220 - 8234 Chert
 8404 - 8410 Oriskany

WELL LOG

| FORMATION COLOR HARD OR SOFT | TOP FEET | BOTTOM FEET | REMARKS |
|------------------------------|----------|-------------|---|
| | | | Including indication of all fresh and salt water, coal, oil and gas |
| Shale | 0 | 40 | Damp @ 40' |
| Sand & Shale | 40 | 70 | Damp @ 300' |
| Shale & Red Rock | 70 | 170 | 1/4" stream water @ 315' |
| Sand & Shale | 170 | 210 | 1" stream water @ 690' |
| Red Rock | 210 | 237 | 1-1/2" stream water @ 700' |
| Sand & Shale | 237 | 343 | Damp @ 2420' |
| Lime | 343 | 346 | Gas check @ 2500' No show |
| Sand & Shale | 346 | 395 | Gas check @ 3124' No show |
| Red Rock | 395 | 410 | Gas check @ 3712' No show |
| Lime | 410 | 415 | Gas check @ 3806' No show |
| Sand & Shale | 415 | 460 | Gas check @ 4400' No show |
| Sand & Lime | 460 | 542 | |
| Sand & Shale | 542 | 600 | <u>GAMMA RAY LOG TOPS</u> |
| Red Rock & Sand | 600 | 641 | |
| Sand & Shale | 641 | 1260 | 5th Sand 1895' |
| Sand & Red Rock | 1260 | 1284 | Bayard 1944' |
| Sand & Shale | 1284 | 1342 | Elizabeth 2118' |
| Sand, Red Rock & Shale | 1342 | 1350 | Warren 2263' |
| Sand & Shale | 1350 | 1465 | Speechley 2475' |
| Sand, Red Rock & Shale | 1465 | 1872 | Balltown 2916' |
| Sand & Shale | 1872 | 8592 T.D. | Riley 3769' |
| | | | Benson 4002' |
| | | | Elk 4833' |
| | | | Onondaga Lime 8100' |
| | | | Chert 8126' |
| | | | Onondaga Lime 8157' |
| | | | Chert 8186' |
| | | | Oriskany 8335' |
| | | | Helderberg 8448' |

(Attach separate sheets as necessary)

ALAMCO, INC.

Well Operator

By: _____

Date: July 25, 1985

Note: Regulation 2.02 (i) provides as follows
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

RECEIVED
FORM 1 (2-77) FILE COPY
(Obverse)

JUL 18 1984



1) Date: July 16, 19 84
2) Operator's Well No. A-1588 (Jenkins Coal)
3) API Well No. 47 - 077 - 0241
State County Permit

OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas XXX /
B (If "Gas", Production XXX / Underground storage / Deep XXX / Shallow)
- 5) LOCATION: Elevation: 2670 Watershed: Mountain Run (MC23)
District: Portland County: Preston Quadrangle: Terra Alta 7.5'
- 6) WELL OPERATOR Alamco
Address P. O. Drawer 1740
Clarksburg, WV 26301
- 7) DESIGNATED AGENT Daniel L. Wheeler
Address P. O. Drawer 1740
Clarksburg, WV 26301
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED
Name William Blosser DON ELLIS
Address Route 4, Box 317 534-5596
Fairmont, West Virginia 26554
- 9) DRILLING CONTRACTOR:
Name Development Drilling, Inc.
Address P. O. Drawer 1740
Clarksburg, WV 26301
- 10) PROPOSED WELL WORK: Drill XXX / Drill deeper / Redrill / Stimulate
Plug off old formation / Perforate new formation
Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Oriskany
- 12) Estimated depth of completed well, 7500 feet
- 13) Approximate trata depths: Fresh, 1300 feet; salt, feet.
- 14) Approximate coal seam depths: unknown Is coal being mined in the area? Yes
- 15) CASING AND TUBING PROGRAM

RECEIVED
JUL 19 1984

OIL & GAS DIVISION
DEPT. OF MINES

| CASING OR TUBING TYPE | SPECIFICATIONS | | | | | FOOTAGE INTERVALS | | CEMENT FILL-UP OR SACKS (Cubic feet) | PACKERS |
|-----------------------|----------------|-------|----------------|-----|------|-------------------|--------------|--------------------------------------|-----------------------------|
| | Size | Grade | Weight per ft. | New | Used | For drilling | Left in well | | |
| Conductor | 16" | | | | XX | 20' | 20' | Cement to surface | |
| Fresh water | | | | | | | | | |
| Coal | 8-5/8" | | 20# | XX | | 2000' | 2000' | Cement to surface | |
| Intermediate | | | | | | | | | |
| Production | 4-1/2" | | J.55 10.50# | XX | | 7500' | 7500' | Requested by <u>Rule 15.01</u> | |
| Tubing | | | | | | | | | |
| Liners | | | | | | | | | Perforations: Top Bottom |

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-077-0241

July 19, 19 84
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires July 19, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

| | | | | |
|----------------|-----------------|-----------|-----------|------------|
| Bond: | Agent: <u>✓</u> | Plat: | Casing | Fee |
| <u>Blanket</u> | <u>ML</u> | <u>ML</u> | <u>ML</u> | <u>567</u> |

T. Ellis
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

RECEIVED
MAR 25 1987

AFFIDAVIT OF PLUGGING AND FILLING WELL

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Department, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

SEE ATTACHED
Coal Operator or Owner
Address
Coal Operator or Owner
Address
SEE ATTACHED
Lease or Property Owner
Address

ALAMCO, INC.
Name of Well Operator
200 West Main Street
Clarksburg, WV 26301
Complete Address
March 13, 1987
WELL AND LOCATION
Portland District
Preston County
WELL NO. A-1588
Jenkins Coal Farm

STATE INSPECTOR SUPERVISING PLUGGING

AFFIDAVIT

Don Ellis
2604 Crab Apple Lane
Fairmont, West Virginia 26554

STATE OF WEST VIRGINIA,
County of Harrison

ss:

Wallace Darden and Shull Service, Inc.

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by ALAMCO, INC., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 2nd day of March, 1987, and that the well was plugged and filled in the following manner:

| Sand or Zone Record Formation | Filling Material | Plugs Used Size & Kind | Casing | |
|----------------------------------|---|---------------------------|-----------------------|----------------|
| | | | CSO PULLED LEFT IN | CSO LEFT IN |
| Oriskany | Class A Cement 24 sacks 6% gel - 8100 to 5456' | 325' cement plug | | |
| Cut Csg. @ 5456' | Class A Cement 46 sacks 6% gel - 5326-2034' | 130' cement plug | 4 1/2 | 5456 3055 |
| | Class A Cement 53 sacks 6% gel - 1884 to | 150' cement plug | | |
| Buckoff @ 80' | Class A Cement 52 sacks 80' to surface | 80' cement plug | 9 5/8 | 80 1846 |
| Coal Seams | | | | |
| (Name) | | Description of Monument | | |
| (Name) | | 7" Monument 48" High | | |
| (Name) | | with date, name, permit | | |
| (Name) | | no. and county | | |

and that the work of plugging and filling said well was completed on the 6th day of March, 1987.

And further deponents saith not.

Wallace Darden

Sworn to and subscribed before me this 20th day of March, 1987.

Robert Cox
Notary Public Commissioner

My commission expires:
February 14, 1989

Permit No. 47-077-0241-P

4/20/87