

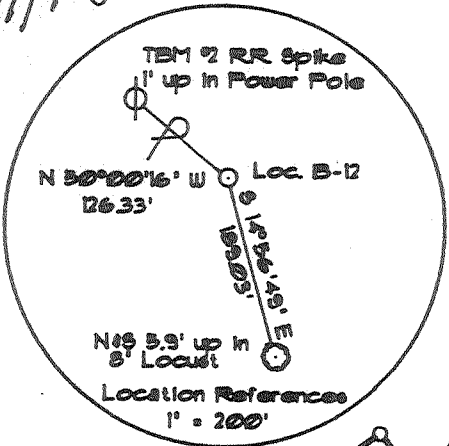
Janice
7/1/92

9550'

LATITUDE 37° 35' 00"

3050'

LONGITUDE 81° 50' 00"

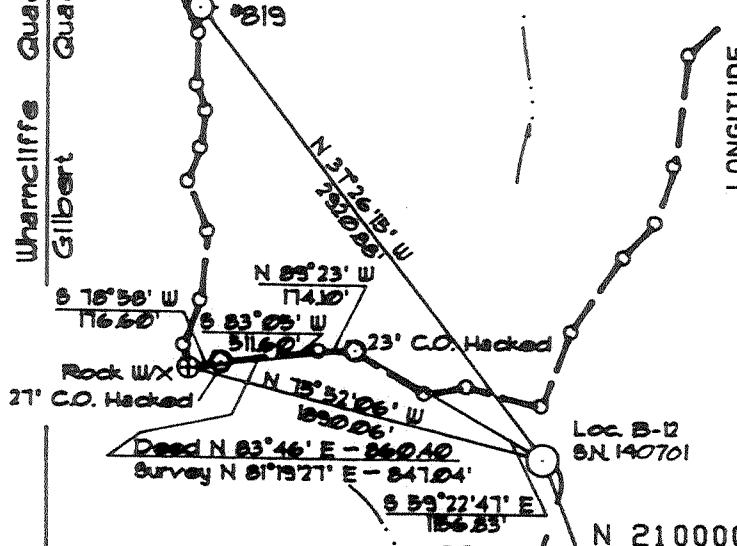
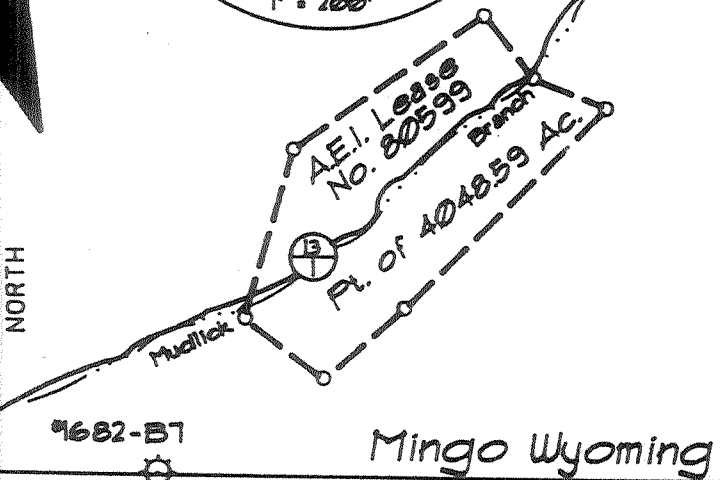


+ 0.57
182

Wharnciffe Quad
Gilbert Quad

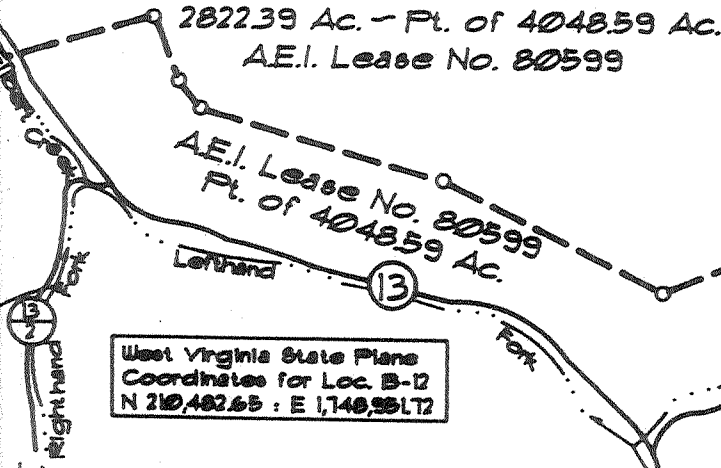
James Trent
281.09 Ac.
(adverse)

NORTH



Mingo Wyoming

Coal Land Company, et al
2822.39 Ac. - Pt. of 4048.59 Ac.
A.E.I. Lease No. 80599



West Virginia State Plane
Coordinates for Loc. B-12
N 210,402.65 : E 1,740,951.72

81° 52' 30"

N 210000

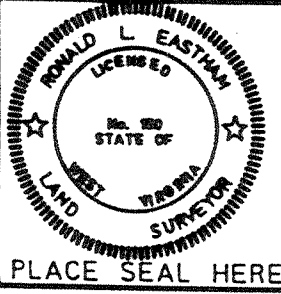
9152-B8

0.575 Fork
1.82W

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1:87611
PROVEN SOURCE OF ELEVATION A.E.I. Well 9152-B8
Ref. Elev. = 1844.51

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 THE LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.
(SIGNED) Ronald L. Eastman
R.P.E. _____ L.L.S. 150



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION



DATE May 5 1992
OPERATOR'S WELL NO. B-12
API WELL NO. SN. 140701
47-059-1171
STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW
LOCATION: ELEVATION 1792.61 WATER SHED Balsden Fork of Left Fork of Gilbert Creek of the Guyandotte River
DISTRICT Stafford COUNTY Mingo
QUADRANGLE Gilbert 15 SC
SURFACE OWNER Mingo Wyoming Coal Land Company, et al ACREAGE 2822.39
OIL & GAS ROYALTY OWNER Mingo Wyoming Coal Land Co., et al LEASE ACREAGE 4048.59
LEASE NO. 80599
PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION ___ PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
TARGET INFORMATION Devonian Shale ESTIMATED DEPTH 6163' KB
WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Bobby E. Widener
ADDRESS P.O. Box 391 ADDRESS P.O. Box 379
Ashland, Ky. 41114 Gilbert 2711 Brenton, W.V. 24818

COUNTY NAME
PERMIT

JUL 2 1992

0588 well

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: GADDY ENGINEERING CO. Operator Well No.: B 12 S 140701

LOCATION: Elevation: 1792.60 Quadrangle: GILBERT

District: STAFFORD County: MINGO
Latitude: 3050 Feet South of 37 Deg. 35 Min. 0 Sec.
Longitude: 9550 Feet West of 81 Deg. 50 Min. 0 Sec.

Company: ASHLAND EXPLORATION, INC.
P. O. BOX 391, A1-6
ASHLAND, KY 41114-0391

Agent: B. E. WIDENER

Inspector: OFIE HELMICK

Permit Issued: 07/02/92

Well work Commenced: 08-29-92

Well work Completed: 04-06-93

Verbal Plugging: _____

Permission granted on: _____

Rotary Cable _____ Rig

Total Depth (feet) 6199'

Fresh water depths (ft) 60'

Salt water depths (ft) 1140'

Is coal being mined in area (Y/N)? N

Coal Depths (ft): open mine 149

| Casing & Tubing | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|------------------------------|------------------|--------------|------------------------|
| Size | | | |
| 16" | 40' | 40' | 11.8 |
| 11 3/4" | 223' | 223' | 155 |
| 8 3/4" | 2248' | 2248' | 709 |
| 5 1/2" | 6176' | 6176' | 714 |
| 1.9" @ 5992' KB w/ADL-1 pkr. | | @ 4212' | |
| 1.9" @ 4128' KB | | | |

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 4407'-6105'
 Gas: Initial open flow 0 MCF/d Oil: Initial open flow -- Bbl/d
 Final open flow 812 MCF/d Final open flow -- Bbl/d
 Time of open flow between initial and final tests 3 Hours
 Static rock pressure 630# psig (surface pressure) after 72 Hours
4137'-4156'
 Second producing formation Berea/Big Lime Pay zone depth (ft) 3500'-3525'
 Gas: Initial open flow 0 MCF/d Oil: Initial open flow -- Bbl/d
 Final open flow 1192 MCF/d Final open flow -- Bbl/d
 Time of open flow between initial and final tests 3 Hours
 Static rock Pressure 675# psig (surface pressure) after 72 Hours

2004 MCFs Bbl
 NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1. DETAILS OF PERFORATED INTERVALS, FRACTURING OF STIMULATING, PHYSICAL CHANGE, ETC. 2.) THE WELL LOG WHICH IS A SYSTEMATIC DETIALED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: ASHLAND EXPLORATION, INC.
 By: James L. Stephens James L. Stephens Eng. Tech.
 Date: 4/16/93

| <u>Formation or Rock Type</u> | <u>Top</u> | <u>Base</u> |
|--------------------------------|------------|-------------|
| Sand and Shale (base Lee Sand) | 0 | 2174 |
| Pennington | 2174 | 3113 |
| U. Maxton | 2472 | 2631 |
| M. Maxton | 2729 | 2900 |
| L. Maxton | 3042 | 3066 |
| Little Lime | 3113 | 3223 |
| Big Lime | 3223 | 3557 |
| Borden | 3557 | 4106 |
| Sunbury Shale | 4106 | 4132 |
| Berea | 4132 | 4162 |
| Devonian Shale | 4162 | 6176 |
| Onondaga Lime | 6176 | T.D. |

Drillers TD 6199

Loggers TD 6193

85/8 and 113/4 cmt't to surface on primary job.

Perf Rhinestreet Shale w/ 3 1/2" HCG SF 1SPF @ 6105, 6082, 6075, 6068, 6061, 6058, 6046, 6034, 6025, 6022, 6008, 6004, 5996, 5982, 5962, 5960, 5949, 5926 (18 total shots). Pump 200 gals 7.9% HCl-Fe acid. N₂ frac Rhinestreet Shale using 818,000 scf N₂. BD 3861, MTP 4077, ATP 4003 @ 99,400 scf/min, ISIP 2707.

Perf L. Huron using 3 1/2" SF 1SPF @ 5551, 5536, 5529, 5492, 5487, 5462, 5459, 5422, 5417, 5390, 5342, 5291, 5280, 5212, 5208, 5193, 5186, 5171, 5167, 5144 (21 shots total). Pump 500 gals 8% HCl-Fe acid. N₂ frac L. Huron using 821,000 scf N₂. BD 3988, MTP 4131, ATP 3493 @ 101,000 scf/min, ISIP 1894.

Perf U. Dev. Shale w/ 3 1/2" HCG SF 1SPF @ 4869, 4851, 4846, 4833, 4768, 4758, 4727, 4688, 4630, 4606, 4565, 4499, 4447, 4436, 4421, 4413, 4407 (17 shots total). Pump 500 gal 8% HCl-Fe acid. N₂ frac U. Dev. Shale w/ 812,000 scf N₂. BD 3955, MTP 3955, ATP 3422 @ 103,000 scf/min, ISIP 1860.

Perf Berea using 4" HCG 2SPF 4137-4156 (40 holes total). Dump 500 gal 16% HCl-Fe acid. 75Q ramp frac Berea 4-20 ppg using 60800# 20/40 sand; 294,300 scf N₂ @ 9000 scf/min. BD 1011, MTP 1263, ATP 1050 @ 20 BPM foam, ISIP 915 @ 174 bbls.

Perf Big Lime using 4" HCG 2SPF @ 3500-3505, 3520-3525 (total 24 shots). Acidized Big Lime using estimated 75Q foamed acid, 2000 gals 28% HCl-Fe acid and 10 gal 15% HCl-Fe acid, 258,000 scf N₂ @ 10,600 scf/min. Acid rate 4-5 BPM. Dropped perf balls: 4 @ 11 1/2 bbls, 4 @ 36 bbls and 4 @ 50 bbls -- some action. BD 2180, MTP 2630, ATP 1950, ISIP 1600, 15 min 1020, TF 90 bbl.

DF-461

DFT-830

JUN 15 1992

059-1171

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

Issued

7/2/92

Office of Oil and Gas WELL WORK PERMIT APPLICATION

Expires 7/2/94

- 1) Well Operator: Ashland Exploration, Inc. 2750 (6) 363
Mingo Wyoming Coal Land Co.
- 2) Operator's Well Number: B-12, Serial #140701 3) Elevation: 1792.6'
- 4) Well type: (a) Oil / or Gas X/
(b) If Gas: Production X/ Underground Storage /
Deep / Shallow X/
- 5) Proposed Target Formation(s): Devonian Shale
- 6) Proposed Total Depth: 6163'KB feet
- 7) Approximate fresh water strata depths: 89'KB
- 8) Approximate salt water depths: None
- 9) Approximate coal seam depths: Pond Creek, 148'KB, Mined Out;
Eagle 403'KB, Solid; Bens Creek 458'KB,
- 10) Does land contain coal seams tributary to active mine? Yes / No X/ Solid
- 11) Proposed Well Work: Drill and Stimulate New Well
- 12)

CASING AND TUBING PROGRAM

| TYPE | SIZE | GRADE | WEIGHT PER FT. | FOOTAGE INTERVALS | CEMENT | |
|--------------|--------|-------|----------------|-------------------|--------------|------------------|
| | Size | Grade | Weight per ft. | For drilling | Left in well | Fill-up (cu.ft.) |
| Conductor | 16 | LS | 36.91 | 30 | 30 | CTS |
| Fresh Water | | | | | | 38594/1.3 |
| Coal | 11 3/4 | H40 | 42.0 | 208 | 208 | CTS |
| Intermediate | 8 5/8 | J55 | 24.0 | 2098 | 2098 | 38594/1.3 CTS |
| Production | 5 1/2 | J55 | 15.5 | 6163 | 6163 | AS NEEDED |
| Tubing | 1.9 | J55 | 2.76 | - | 6100 | SIPHON |
| Liners | | | | | | 38594/1.1 |

PACKERS : Kind _____
Sizes _____
Depths set _____

For Division of Oil and Gas Use Only

Fee(s) paid; Well Work Permit Reclamation Fund WPCP
 Plat WW-9 WW-2B Bond Judy Black Agent
(Type)

RECEIVED
JUN 15 1992
Permitting
Division

1) Date: June 11, 1992
2) Operator's well number
Mingo Wyoming Coal Land Co. #B-12, S.N. 140701
3) API Well No: 47 - 059 - 1171
State - County - Permit

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

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- | | |
|---|---|
| <p>4) Surface Owner(s) to be served: (a) Name <u>Gaddy Engineering Co., Agent</u> Address <u>945 4th Ave., Suite 300</u> <u>Huntington, WV 25701</u> (b) Name _____ Address _____ (c) Name _____ Address _____</p> | <p>5) (a) Coal Operator: Name <u>N/A</u> Address _____ (b) Coal Owner(s) with Declaration Name <u>Same as No. 4(a)</u> Address _____ Name _____ Address _____ (c) Coal Lessee with Declaration Name <u>National Mines, Inc.</u> Address <u>P.O. Box 960</u> <u>Pineville, WV 24874</u></p> |
| <p>6) Inspector <u>Ofie Helmick</u> Address <u>P.O. Box 218</u> <u>Fanrock, WV 24834</u> Telephone (304)-<u>732-9135</u></p> | |

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 2 on the above named parties, by:
 _____ Personal Service (Affidavit attached)
X 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 Ashland Exploration, Inc.
 By: W. Mark Parks *W. Mark Parks*
 Its: Operations Manager
 Address P.O. Box 391
Ashland, KY 41114
 Telephone 606-329-5989

Subscribed and sworn before me this 11th day of June, 1992
Thelma W. South
 _____ Notary Public
 My commission expires November 23, 1994