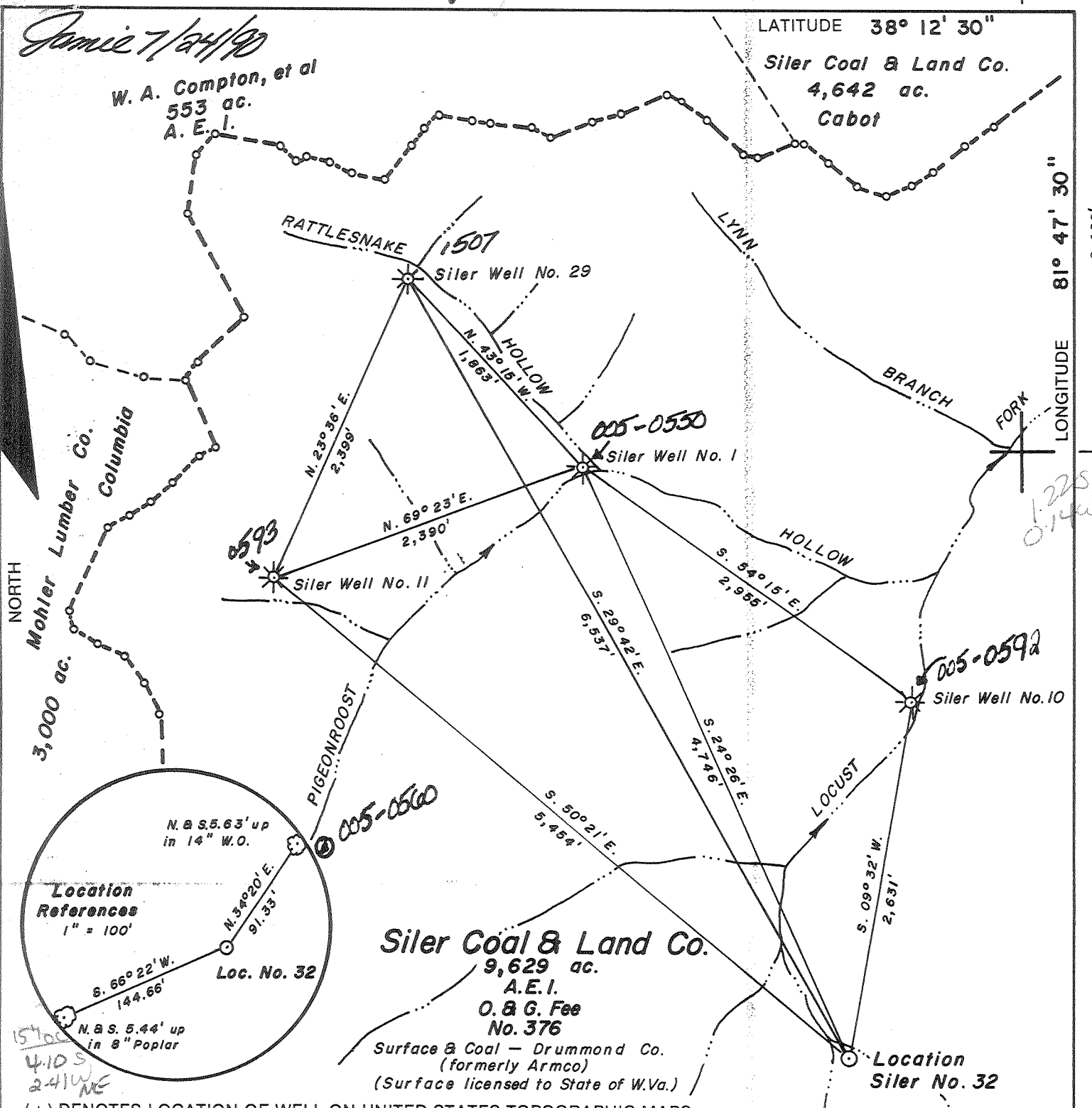


Janie 7/24/90

W. A. Compton, et al
553 ac.
A. E. I.

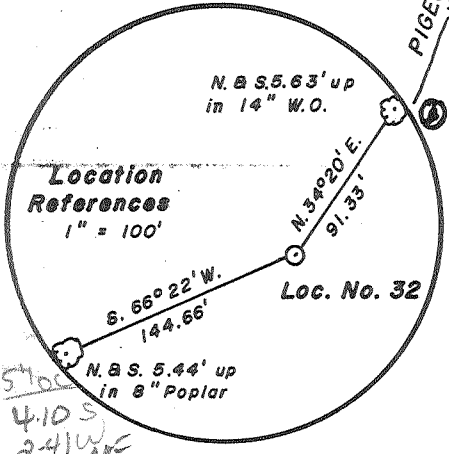
LATITUDE 38° 12' 30"
Siler Coal & Land Co.
4,642 ac.
Cabot



LONGITUDE 81° 47' 30"

6,480'

NORTH
Mohler Lumber Co.
3,000 ac.
Columbia



Siler Coal & Land Co.
9,629 ac.
A. E. I.
O. & G. Fee
No. 376

Surface & Coal - Drummond Co.
(formerly Armco)
(Surface licensed to State of W.Va.)

Location
Siler No. 32

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

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1 : 16,725
 PROVEN SOURCE OF ELEVATION Armco Mine Datum

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 ENERGY.

(SIGNED) Ronald L. East
 R.P.E. _____ L.L.S. 150

PLACE SEAL HERE

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION



DATE June 29, 19 90
 OPERATOR'S WELL NO. SILER COAL & LAND
 API WELL NO. CO. NO. 32, S.N. 126611

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

LOCATION: ELEVATION 853.5 WATERSHED Locust Fork of Fork Creek of Big Coal River
 DISTRICT Peytona 2 COUNTY Boone
 QUADRANGLE Julian madison ne

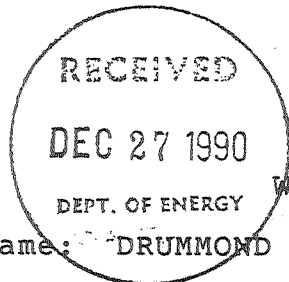
SURFACE OWNER Drummond Company, Inc. ACREAGE 13,000 +
 OIL & GAS ROYALTY OWNER Ashland Exploration, Inc. LEASE ACREAGE 9,629
 LEASE NO. Fee 376

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

PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 TARGET FORMATION Devonian Shale ESTIMATED DEPTH 4,449' KB
 WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Forrest Burkett
 ADDRESS P. O. Box 391 ADDRESS P. O. Box 156
Ashland, KY 41114 Brenton, WV 24818

COUNTY NAME
PERMIT

DEEP WELL 6-6 Julian madison (236)



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

Well Operator's Report of Well Work

Farm name: DRUMMOND CO., INC Operator Well No.: 32S#126611

LOCATION: Elevation: 853.50 Quadrangle: JULIAN

District: PEYTONA County: BOONE
Latitude: 6480 Feet South of 38 Deg. 12Min. 30 Sec.
Longitude 775 Feet West of 81 Deg. 47 Min. 30 Sec.

Company: ASHLAND EXPLORATION PROPE
P. O. BOX 391
ASHLAND, KY 41114-0391

Agent: FORREST E. BURKETT

Inspector: JERRY HOLCOMB
Permit Issued: 08/01/90
Well work Commenced: 9/30/90
Well work Completed: 12/4/90
Verbal Plugging
Permission granted on:
Rotary X Cable _____ Rig _____
Total Depth (feet) 4445'
Fresh water depths (ft) damp @ 75'

Salt water depths (ft) approx. 1239'

Is coal being mined in area (Y/N)? N
Coal Depths (ft): 185-190, 398-402

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
16"	33'	33'	7
8 5/8"	1281'	1281'	531
5 1/2"	4409'	4409'	739
1.9" @ 4240' KB w/ADL- Pkr @ 1662'			
1.9" @ 1639' KB			

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth (ft) 3265-4302
Gas: Initial open flow 0/363 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 762/444 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 3 Hours
Static rock Pressure 500 psig (surface pressure) after 72 Hours

Second producing formation Injun/Big Lime Pay zone depth (ft) 1532-1642
Gas: Initial open flow 363 MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow 684 MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 3 Hours
Static rock Pressure 190 psig (surface pressure) after 72 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: ASHLAND EXPLORATION PROPERTIES, INC.

By: James L. Stephens James L. Stephens, Engr. Tech.
Date: December 20, 1990

DEC 28 1990

FORMATION OR ROCK TYPETOPBASE

<u>FORMATION OR ROCK TYPE</u>	<u>TOP</u>	<u>BASE</u>
Sand & Shales	0	517
Lee Sand	517	1236
Shales	1236	1320
Lower Maxton	1320	1330
Shale	1330	1349
Little Lime	1349	1416
Big Lime	1416	1605
Injun	1605	1646
Shales	1646	2061
Coffee Shale	2061	2078
Berea	2078	2088
Devonian Shale	2088	4433
Onondaga LS	4433	TD

DTD 4445

LTD 4445

WELL TREATMENT

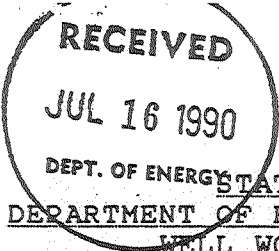
Perf L. Devonian Shale 20H/4130-4302. N₂ frac using 350 gal 8% inh Fe acid, 1,000,000 SCF N₂ @ 96,000 SCF/min. BD @ 2340#, ATP 3700#, MTP 3860#, ISIP 2000#, 15 min 1190#.

Perf U. Dev. Shale 20H/3265-3723. N₂ frac using 500 gal 8% inh Fe acid, 1,000,065 SCF N₂ @ 96,000 SCF/min. BD @ 3140#, ATP 3550#, MTP 3900#, ISIP 1500#, 5 min 1090#.

Perf Injun/Big Lime 32H/1532-1642. BD and attempt ballout using 750 gallons 17 1/2% inh Fe acid, 40 1.3 sp balls @ 8-10 bpm. BD @ 1456#, ISIP 735#, TF 49 bbls. Estimated BHTP 1530#. 75 Q foam frac using 60,000# 20/40 sand and 509,000 SCF N₂ @ 14,000 SCF/min. ATP 1893# @ 30 bpm foam rate, MTP 2428#, ISIP 1706#, 15 min 1436# & TF 277 bbls.

JD 2088
 LH 3250
 J 3700
 A 3000
 Rh 4050

10967



005-1521
Issued 8/1/90

Page 1 of 1
Expires 8/1/92

FORM WW-2B

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

- 1) Well Operator: Ashland Exploration, Inc. 2705 (2) 411
Siler Coal & Land Co.
- 2) Operator's Well Number: 32, Serial #126611 3) Elevation: 853.5
- 4) Well type: (a) Oil / or Gas /
(b) If Gas: Production / Underground Storage /
Deep / Shallow /
- 5) Proposed Target Formation(s): Devonian Shale
- 6) Proposed Total Depth: 4449'KB feet
- 7) Approximate fresh water strata depths: 149', 343', 217'
- 8) Approximate salt water depths: 1234'KB
- 9) Approximate coal seam depths: Solid - Not Operated 127'-132', 319'-325', 202'-206', 204'-208'
- 10) Does land contain coal seams tributary to active mine? Yes / No /
- 11) Proposed Well Work: Drill & Stimulate New Well
- 12)

CASING AND TUBING PROGRAM

29301

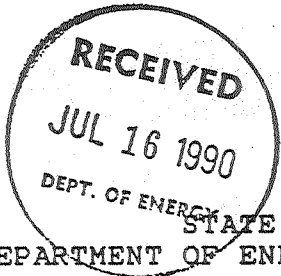
TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT
	Size	Grade	Weight per ft.	For drilling	Left in well	Fill-up (cu. ft.)
Conductor	16	LS	42.0	30	30	CTS
Fresh Water						38CSRB 11.3
Coal						38CSRB 11.2.2
Intermediate	8 5/8	J55	24.0	1284	1284	CTS
Production	5 1/2	J55	15.5	4449	4449	38CSRB 11.1 As Needed
Tubing	1.9	J55	2.76	-	4399	Siphon
Liners						

PACKERS : Kind _____
Sizes _____
Depths set _____

506942
19

For Division of Oil and Gas Use Only

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



1) Date: July 13, 1990
2) Operator's well number Siler Coal & Land Co. #32, Serial #126611
3) API Well No: 47 - 005 - 1521
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>Drummond Company, Inc.</u>
 Address <u>P.O. Box 1549</u>
 <u>Jasper, AL 35501</u>
 (b) Name <u>WV-DNR Office Real Est. Mgmt.</u>
 Address <u>1900 Kanawha Blvd. East</u>
 <u>Charleston, WV 25305</u>
 (c) Name _____
 Address _____</p> | <p>5) (a) Coal Operator:
 Name <u>None</u>
 Address _____

 (b) Coal Owner(s) with Declaration
 Name <u>Drummond Company, Inc.</u>
 Address <u>P.O. Box 1549</u>
 <u>Jasper, AL 35501</u>
 Name _____
 Address _____

 (c) Coal Lessee with Declaration
 Name <u>None</u>
 Address _____
 _____</p> |
| <p>6) Inspector <u>Jerry Holcomb</u>
 Address <u>Rt. 2 Box 159, Hwy. 34</u>
 <u>Hamlin, WV 25523</u>
 Telephone <u>(304)-894-5963</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
 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)
 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: J. T. Mellinger
 Its: Manager Eastern Region
 Address P.O. Box 391
Ashland, KY 41114
 Telephone 606/329-5450

Subscribed and sworn before me this 13th day of July, 1990
Vicki W. Spota Notary Public
 My commission expires November 23, 1990