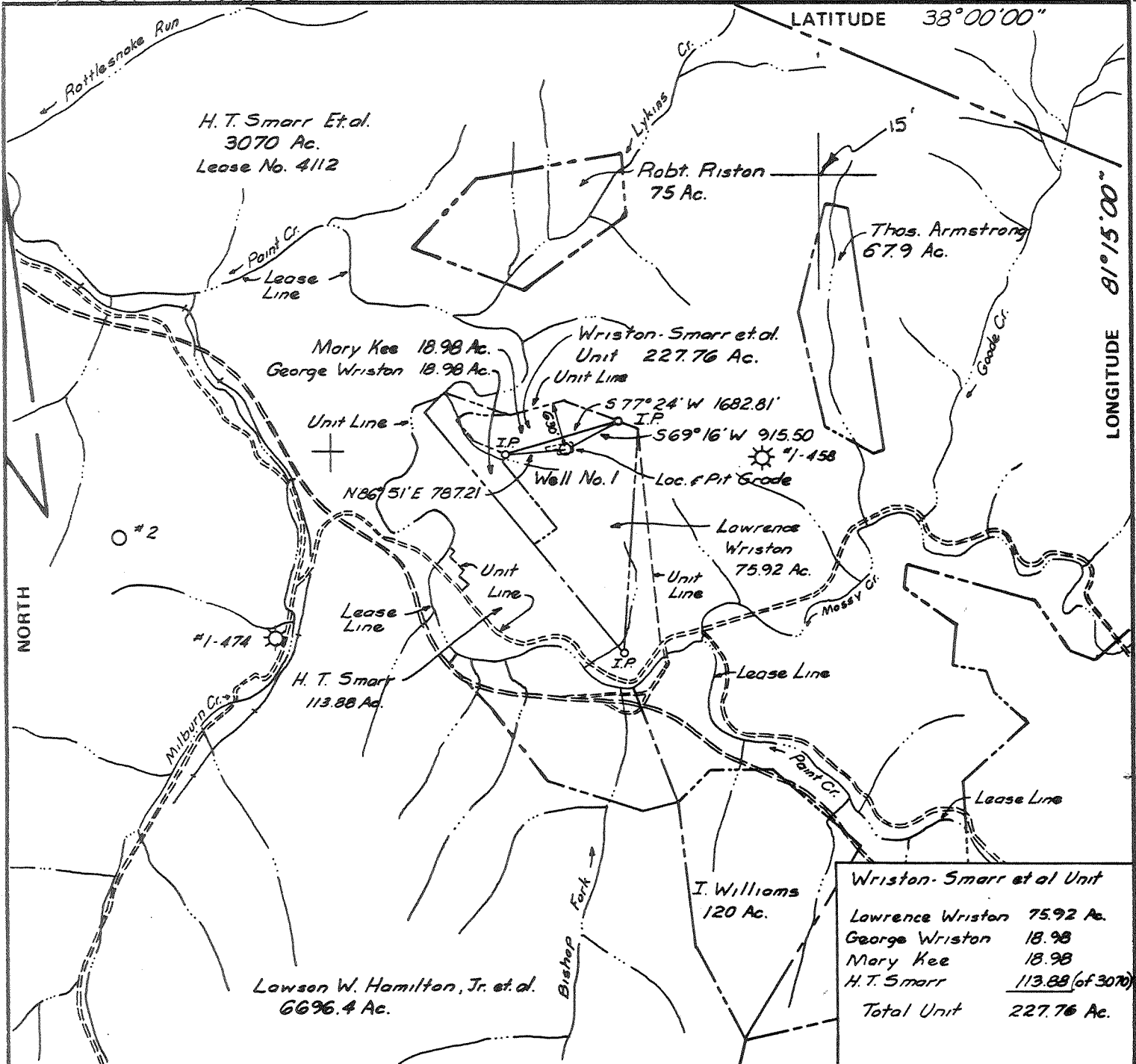


9/30/82

11090'



LATITUDE 38°00'00"

LONGITUDE 81°15'00"

6200'

NORTH

Wriston-Smarr et al Unit	
Lawrence Wriston	75.92 Ac.
George Wriston	18.98
Mary Kee	18.98
H.T. Smarr	113.88 (of 3070)
Total Unit	227.76 Ac.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 9100
 PROVEN SOURCE OF ELEVATION USC & G S BM Elev 1439.2 "D" Cut in Rock at mouth of hollow

CO: 019 PNT: 507
 T Loc Digitized from OGIS 7.5' Meter
 K QUAD: 537 DATE: 12-JUN-90
 H LAT: 38 00.0 Miles South: 1.15
 L LONG: 81 15.0 Miles West : 2.10
 M. _____
 (SIGNED) Stephen Parks
 R.P.E. 8982 L.L.S. _____

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE Sept 24, 19 82
 OPERATOR'S WELL NO. Unit #1, Ser #095901
 API WELL NO. _____
47 - 019 - 0507-P
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

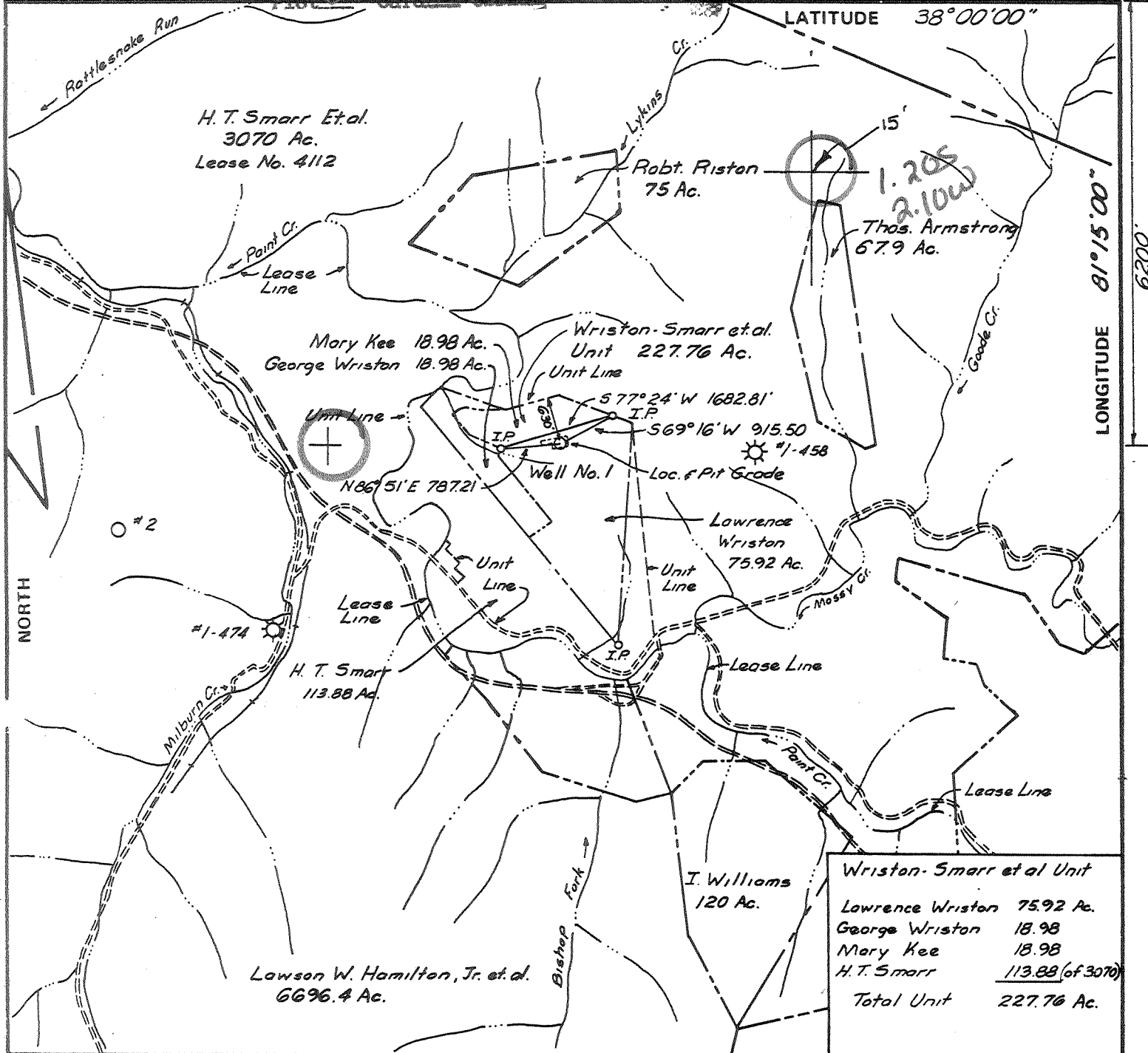
WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 1710.0 WATER SHED Point Creek of Kanawha River
 DISTRICT Valley COUNTY Fayette
 QUADRANGLE Pox
 SURFACE OWNER Lawrence Wriston ACREAGE 75.92
 OIL & GAS ROYALTY OWNER Wriston-Smarr et al Unit LEASE ACREAGE 227.76
 LEASE NO. 63015, 63016, 63017, 4112
 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 Onondaga Lime ESTIMATED DEPTH 6395'
 WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Forrest Burkett
 ADDRESS P.O. Box 391 Ashland Ky 41114 ADDRESS P.O. Box 156 Brenton WVa. 24818

FAV. - 0507

D5901091

M.J. 9/30/82

1090'



Wriston-Smarr et al Unit	
Lawrence Wriston	75.92 Ac.
George Wriston	18.98
Mary Kee	18.98
H.T. Smarr	113.88 (of 3070)
Total Unit	227.76 Ac.

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1 in 9100
 PROVEN SOURCE OF ELEVATION USC&GS BM Elev 1439.2 "D" Cut in Rock at mouth of hollow

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) Stephen Parks
 R.P.E. 8982 L.I.S. _____

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE Sept 24, 1982
 OPERATOR'S WELL NO. Unit #1, Ser #095901
 API WELL NO. 47-019-0507
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP X SHALLOW ___
 LOCATION: ELEVATION 1710.0 WATER SHED Point Creek of Kanawha River
 DISTRICT Valley COUNTY Fayette
 QUADRANGLE Pax Eccles 15' NE
 SURFACE OWNER Lawrence Wriston ACREAGE 75.92
 OIL & GAS ROYALTY OWNER Wriston-Smarr et al Unit LEASE ACREAGE 227.76
 LEASE NO. 63015, 63016, 63017, 4112
 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 Onondaga Lime ESTIMATED DEPTH 6395'
 WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Forrest Burkett
 ADDRESS P.O. Box 391 Ashland Ky 41114 ADDRESS P.O. Box 156 Brenton W.Va. 24818

H. T. HALL — -DEEP WELL- 6-6 unnamed (0)



IV-35
(Rev 8-81)

Date 7/8/83
Operator's
Well No. 1
Farm Wriston-Smarr
API No. 47 - 019 - 0507

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 X / Underground Storage / Deep X / Shallow /)

LOCATION: Elevation: 1710.0 Watershed Paint Creek of Kanawha River
District: Valley County Fayette Quadrangle Pax

COMPANY Ashland Exploration, Inc.
ADDRESS P. O. Box 391, Ashland, Ky. 41114
DESIGNATED AGENT Forrest Burkett
ADDRESS P. O. Box 156, Brenton, WV 24818
SURFACE OWNER Lawrence Wriston
ADDRESS Rt. #1 Box 82, Scarbo, WV 25917
MINERAL RIGHTS OWNER Lawrence Wriston
ADDRESS Rt. #1 Box 82, Scarbo, WV 25917
OIL AND GAS INSPECTOR FOR THIS WORK Craig
Duckworth ADDRESS Box 454, Mt. Lookout, WV
PERMIT ISSUED 9/28/82 26678
DRILLING COMMENCED 12/14/82
DRILLING COMPLETED 12/23/82
IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"	25	25	20 sks
9 5/8			
8 5/8	1597	1597	300 sks
7			
5 1/2			
4 1/2	6432	6432	270 sks
3			
2		5919	
Liners used			

GEOLOGICAL TARGET FORMATION Onondaga Depth 6395 feet
Depth of completed well 6436 feet Rotary X / Cable Tools
Water strata depth: Fresh feet; Salt 700 feet
Coal seam depths: NONE Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 5375-6032 feet
Gas: Initial open flow 37 Mcf/d Oil: Initial open flow Bbl/d
Final open flow 321 Mcf/d Final open flow Bbl/d
Time of open flow between initial and final tests 1 hours
Static rock pressure 1175 psig (surface measurement) after 24 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 Oil: 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

JUL 18 1983

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

(mostly Rhinestreet)
Perf Devonian Shale 39H/5375-6077. Foam frac w/500 gal 15% HCl
10,000# 80/100 sd, 40,000# 20/40 sd, 1100 MCFN₂. BD @ 2350#,
ATP 3300#, ISIP 2200#, ATR 40 B/M (foam)

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fr and salt water, coal, oil and
Shale & Sand			0	85	
Sand			85	140	
Shale			140	180	
Sand			180	235	
Shale			235	260	
Sand			260	398	
Shale & Sand			398	505	
Shale			505	620	
Salt Sand			620	1204	Salt wtr @ 700'
Shale			1204	1427	
Upper Maxton-Ravencliff			1427	1594	
Shale			1594	1674	
Middle Maxton			1674	1723	
Shale			1723	1826	
Stray Maxton			1826	1864	
Shale			1864	1925	
Lower Maxton			1925	2003	
Little Lime			2003	2088	
Pencil Cave			2088	2115	
Big Lime			2115	2438	
Shale			2438	2557	
Upper Weir			2557	2597	
Shale			2597	2693	
Lower Weir			2693	2702	
Shale			2702	2958	
Coffee Shale			2958	2982	
Berea			2982	3015	
Devonian Shale			3015	3186	
Gordon			3186	3213	
Devonian Shale			3213	6383	
Onondaga Lime			6383	TD	Gas show @ TD
<div style="float: right; text-align: right;"> <p>5375 3015 2360</p> <p>6077 3015 3062</p> </div>					
<p>DTD 6436 LTD 6436</p>					

(Attach separate sheets as necessary)

ASHLAND EXPLORATION, INC.

Well Operator

By: *Steve S. Nino*

Date: 7/8/83

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic

(Revised 3-81)

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Ray Resources Drilling Company
Address 2101 Washington Street, East
Charleston, WV 25311

GEOLOGICAL TARGET FORMATION Onondaga Lime
Estimated depth of completed well 6395 feet. Rotary X / Cable tools /
Approximate water strata depths: Fresh, feet; salt, Top of feet.
Approximate coal seam depths: None salt sand
Is coal being mined in this area: Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
	Size	Grade	Weight per ft	New	Used	For Drill-ling	Left in Well		
Conductor	13 3/8	H-40	48	X		30	30	15 sks.	Kinds
Fresh water									
Coal									Sizes
Intermed.	8 5/8	K-55	24	X		1610	1610	Circulate	
Production Tubing	4 1/2	K-55	10.5	X		6395	6395	As Required	Depths set
Liners									Perforations: Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or drilling within 200 feet of the proposed well.
An appropriate Form IV-2 shall not be required for fracturing or stimulating a well when fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 6-8-83
BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: , 19 .
By:
Its:

RECEIVED
JAN 28 1985
OIL & GAS DIVISION
DEPT. OF MINES

AFFIDAVIT OF PLUGGING AND FILLING WELL

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.

Lawrence Wriston
Coal ~~Operator~~ or Owner
Rt. #1 Box 82 Scarbro, WV 25917
Address

Ashland Exploration, Inc.
Name of Well Operator
P. O. Box 391, Ashland, Ky. 41114
Complete Address

NONE
Coal ~~Operator~~ Owner
Address

WELL AND LOCATION
Valley _____ District _____
Fayette _____ County _____

Lawrence Wriston
~~xxxxxxx~~ Property Owner
Rt. #1 Box 82, Scarbro, WV 25917
Address

WELL NO. 1
Wriston-Smarr etal Unit Farm

STATE INSPECTOR SUPERVISING PLUGGING Randy Wilfong

AFFIDAVIT

STATE OF WEST VIRGINIA,
County of Fayette

ss:

Ted Payne and Randy Wilfong

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 Ashland Exploration, Inc., well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 27 day of December, 19 84, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
Devonian Shale 5360-4400	Cl "A" cmt	4 1/2" NC @ 5360'		13 3/8 @ 25'
Devonian Shale 4400-4025	Fill & cuttings			8 5/8 @ 1597
Devonian Shale 4025-3500	Formation fluid			
Devonian Shale 3500-3331	Cl "A" cmt			4 1/2 @ (4230
Maxton, B. Lime, Weir, Berea 3331-1640	6% gel			6432
Maxton 1640-1471	Cl "A" cmt		4 1/2	(0-4230)
Salt Sand 1471-100	6% gel			
Sand & Shale 100-surface	Cl "A" cmt			
Coal Seams				
(Name)				
(Name)				
(Name)				
(Name)				

1-28-85
Description of Monument
3' steel pipe w/identification tag in top of cmt plug

and that the work of plugging and filling said well was completed on the 10 day of January, 19 85.

And further deponents saith not.

Sworn to and subscribed before me this 25 day of January, 19 85.

Randy Wilfong
Hella C. Bauer
Notary Public

My commission expires:
9/14/87

Permit No. 019-0507-P