

NORTH
Imperial Colliery Co.

Robert Wood et al
2400 Acres

Imperial Colliery Co.

Note: Nearest well to proposed Well No. 1 is 5200' to north No. 47-019-55 (P&A)
No deep wells within three miles.

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1,000'
MINIMUM DEGREE OF ACCURACY 1 in 7,730
PROVEN SOURCE OF ELEVATION U.S.C.G.S. B.M. in road hiwall at gap in mountain Elev. = 1990.84

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) John H. Burkett
R.P.E. 1642 L.L.S. _____

PLACE SEAL HERE

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

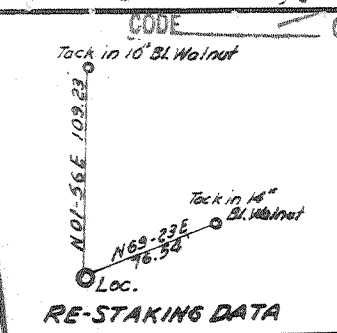
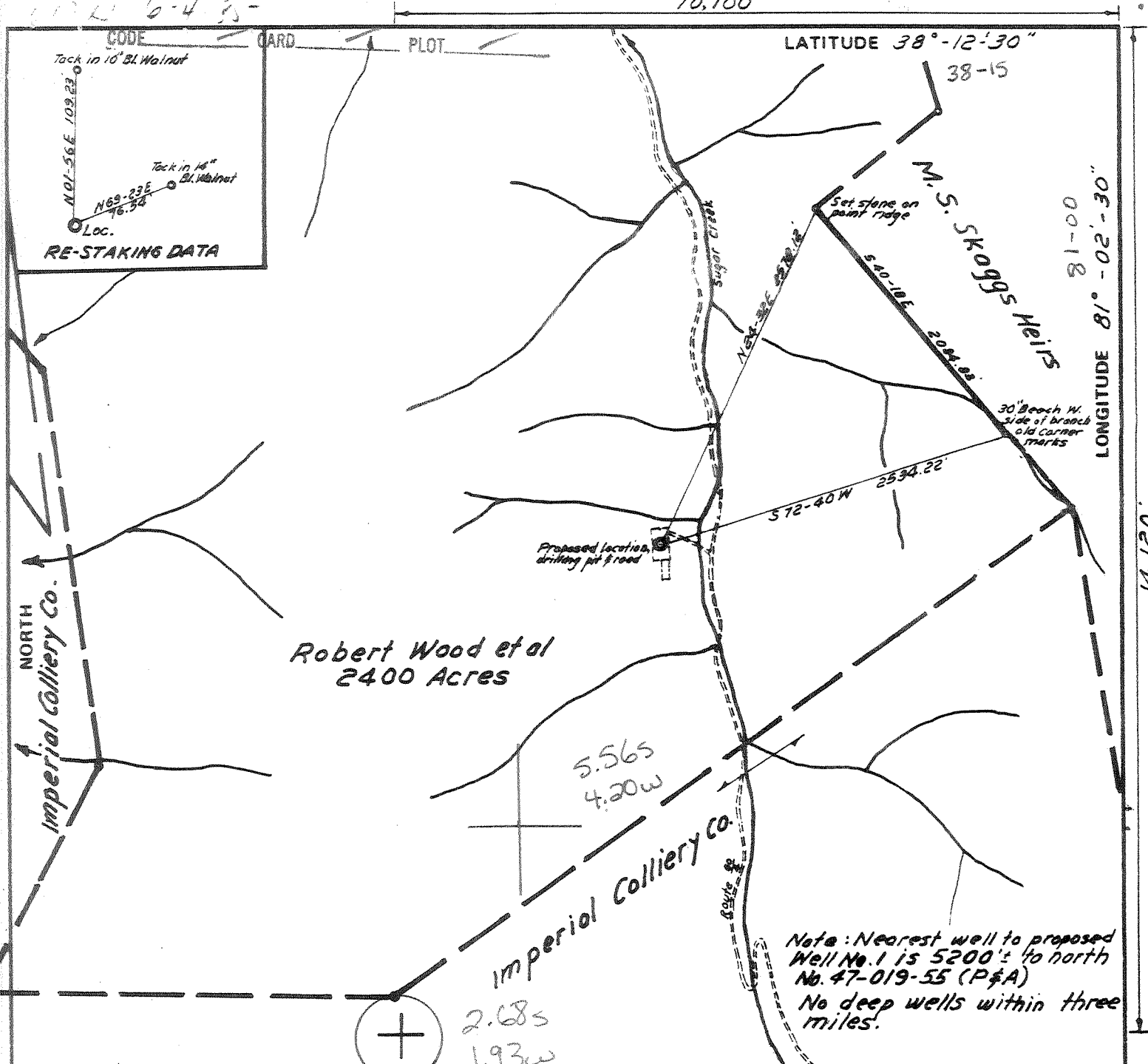


DATE May 15 1985
OPERATOR'S WELL NO. 1-Ser#105921
API WELL NO. 47-019-0536-P
STATE COUNTY PERMIT

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 1364.5 WATER SHED Sugar Creek of Gouley River
DISTRICT New Haven COUNTY Fayette
QUADRANGLE Arsted
SURFACE OWNER Lorain Skoggs ACREAGE 63
OIL & GAS ROYALTY OWNER Robert Wood et al LEASE ACREAGE 2400
LEASE NO. Form in
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 Tuscarora ESTIMATED DEPTH 7755
WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Forrest Burkett
ADDRESS Box 391, Ashland, Ky 41114 ADDRESS Box 379, Breaton, WY 24818
DEEP WELL 1-0 unnamed (0)

NOV 25 1985



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1,000'
 MINIMUM DEGREE OF ACCURACY 1 in 7,730
 PROVEN SOURCE OF ELEVATION U.S.C. & G.S. B.M. in road hiwall at gap in mountain Elev. = 1990.34

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) Forrest H. Burkett
 R.P.E. 1442 L.L.S. _____

PLACE SEAL HERE

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



DATE May 15, 19 85
 OPERATOR'S WELL NO. 1-Ser. #105921
 API WELL NO. 47-019-0536
 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 1364.5 WATER SHED Sugar Creek of Gauley River
 DISTRICT New Haven 8 COUNTY Fayette
 QUADRANGLE Anssted 213 Fayetteville 042 NE 3
 SURFACE OWNER Lorain Skoggs ACREAGE 63
 OIL & GAS ROYALTY OWNER Robert Wood et al LEASE ACREAGE 2400
 LEASE NO. Form in
 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 Tuscarora ESTIMATED DEPTH 7755
 WELL OPERATOR Ashland Exploration, Inc. DESIGNATED AGENT Forrest Burkett
 ADDRESS Box 391, Ashland, Ky. 41114 ADDRESS Box 379, Brenton, WV 24818

JUN 17 1985

IV-35
(Rev 8-81)



State of West Virginia

Department of Mines
Oil and Gas Division

Date 11/7/85
Operator's
Well No. 1
Farm Robert Wood
API No. 47 - 019 - 0556

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas," Production / Underground Storage / Deep / Shallow)

*NOTE: Well P & A 11/7/85

LOCATION: Elevation: 1364.5' Watershed Sugar Creek of Gauley River
District: New Haven County Fayette Quadrangle Ansted

COMPANY Ashland Exploration, Inc.
ADDRESS P. O. Box 391, Ashland, KY 41114
DESIGNATED AGENT Forrest Burkett
ADDRESS P. O. Box 379, Brenton, WV 24818
SURFACE OWNER Lorrain Skaggs
ADDRESS Rt. 2 Box 17A, Ansted, WV 25812
MINERAL RIGHTS OWNER Robert Wood
ADDRESS Box 9-R Sewanee, TN 37375

OIL AND GAS INSPECTOR FOR THIS WORK Rodney
Dillon ADDRESS Box 40, Scarbro, WV
PERMIT ISSUED June 4, 1985

DRILLING COMMENCED June 28, 1985
DRILLING COMPLETED July 26, 1985

IF APPLICABLE; PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON October 29, 1985

Casing Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.	50'	50'	10 sks
13-10"			
9 5/8	1307'	1307'	400 sks
8 5/8			
7	6176'	4801'	225 sks
5 1/2			
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Tuscarora *7" cut off @ 1375' Depth 7755' feet
Depth of completed well 7904' feet Rotary / Cable Tools
Water strata depth: Fresh 50 feet; Salt feet
Coal seam depths: Is coal being mined in the area? No

OPEN FLOW DATA
Producing formation NONE 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
(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

rwid
2-16-93
PJ

NANCY WICKLINE

FORM IV-35
(REVERSE)

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

Well plugged & abandoned as follows: (See attached sketch)

7904-7850 - wtr	4450-1365 - gel wtr
7850-7600 - cmt plug	1365-1165 - cmt plug
7600-7200 - gel wtr	1165-815 - gel wtr
7200-7000 - cmt plug	815-615 - cmt plug
7000-6300 - gel wtr	615-40 - gel wtr
6300-6050 - cmt plug	40 - surface - cmt plug
6050-4550 - gel wtr	3' monument on top of well
4550-4450 - "NC" BP & cmt plug	

Perf Dev. Shale 30H/5413-5433 & 30H/4572-4592 - plugged off w/"NC" BP @ 4550'
Perf U. Weir 20H/2080-2100 - squeezed off

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Sand & Shale			0	755	
Salt Sand			755	1053	
Shale			1053	1142	
Ravenscliff			1142	1247	
Shale			1247	1636	
Little Lime			1636	1713	
Pencil Cave			1713	1747	
Big Lime			1747	2012	
Keener			2012	2128	
Injun			2028	2060	
Upper Weir			2060	2111	
Shale			2111	2447	
Coffee Shale			2447	2465	
Berea			2465	2510	
Devonian Shale			2510	6134	
Onondaga LS			6134	6254	
Oriskany			6254	6275	
Lime			6275	7092	
Newburg			7092	7118	
Lime			7118	7347	
Keefer			7347	7362	
Rose Hill Shale			7362	7617	
Cacapon			7617	7650	
Shale			7650	7710	
Tuscarora			7710	7819	
Juniata			7819	TD	

DTD 7904
LTD 7898

(Attach separate sheets as necessary)

DFT = 595
DF = 615

Expl. Ptg = 7904

47-019-0556

RECEIVED

MAY 20 1985



- 1) Date: May 16, 1985
 2) Operator's Robert Wood et al
 Well No. 1, Serial No. 105921
 3) API Well No. 47 - 019 -0556
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas X /
 B (If "Gas", Production X / Underground storage / Deep X / Shallow)
 5) LOCATION: Elevation: 1364.5' / Watershed: Sugar Creek of Gauley River
 District: New Haven / County: Fayette / Quadrangle: Ansted 213
 6) WELL OPERATOR Ashland Exploration, Inc. 7) DESIGNATED AGENT Forrest Burkett
 Address P.O. Box 391 / Address Box 379
Ashland, KY 41114 / Brenton, WV 24818
 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Rodney G. Dillon / Name Clint Hurt & Associates
 Address Box 30 / Address P.O. Box 388
Scarbro, WV 25917 / Elkview, WV 25071
 10) PROPOSED WELL WORK: Drill X / Drill deeper / Redrill / Stimulate X /
 Plug off old formation / Perforate new formation
 Other physical change in well (specify)
 11) GEOLOGICAL TARGET FORMATION, Tuscarora 575
 12) Estimated depth of completed well, 7755 feet
 13) Approximate strata depths: Fresh, feet; salt, sand base@970' feet.
 14) Approximate coal seam depths: Unknown Is coal being mined in the area? Yes / No X

15) CASING AND TUBING PROGRAM

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	H-40	65	X		30	30	Circulate	Kinds
Fresh water									
Coal	9 5/8	H-40	32.3	X		1250	1250	Circulate	<i>Dep 1 mile 15.05</i>
Intermediate	7	N-80	23.0	X		6100	6100	As Needed	
Production	4 1/2	K-55	11.6	X		7755	7755	As Needed	<i>Dep 1 mile 15.01</i>
Tubing									
Liners									Perforations: Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-019-0556

June 5 19 85

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 June 5, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>10</u>	<u>AIB</u>	<u>MW</u>	<u>MW</u>	<u>506525</u>

Margaret J. Housse
 Administrator, Office of Oil and Gas

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

File

