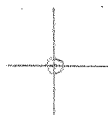


LATITUDE 39° 2' 30"



81° 51' 00"

LONGITUDE

7.5 OGIS topo location

7.5' loc 0.195 15' loc _____
 0.30W (calc.) _____

Company _____

Farm W. McCauley I
(SPENCER WILSON HEARS)

Quad GIRTA 7 1/2'

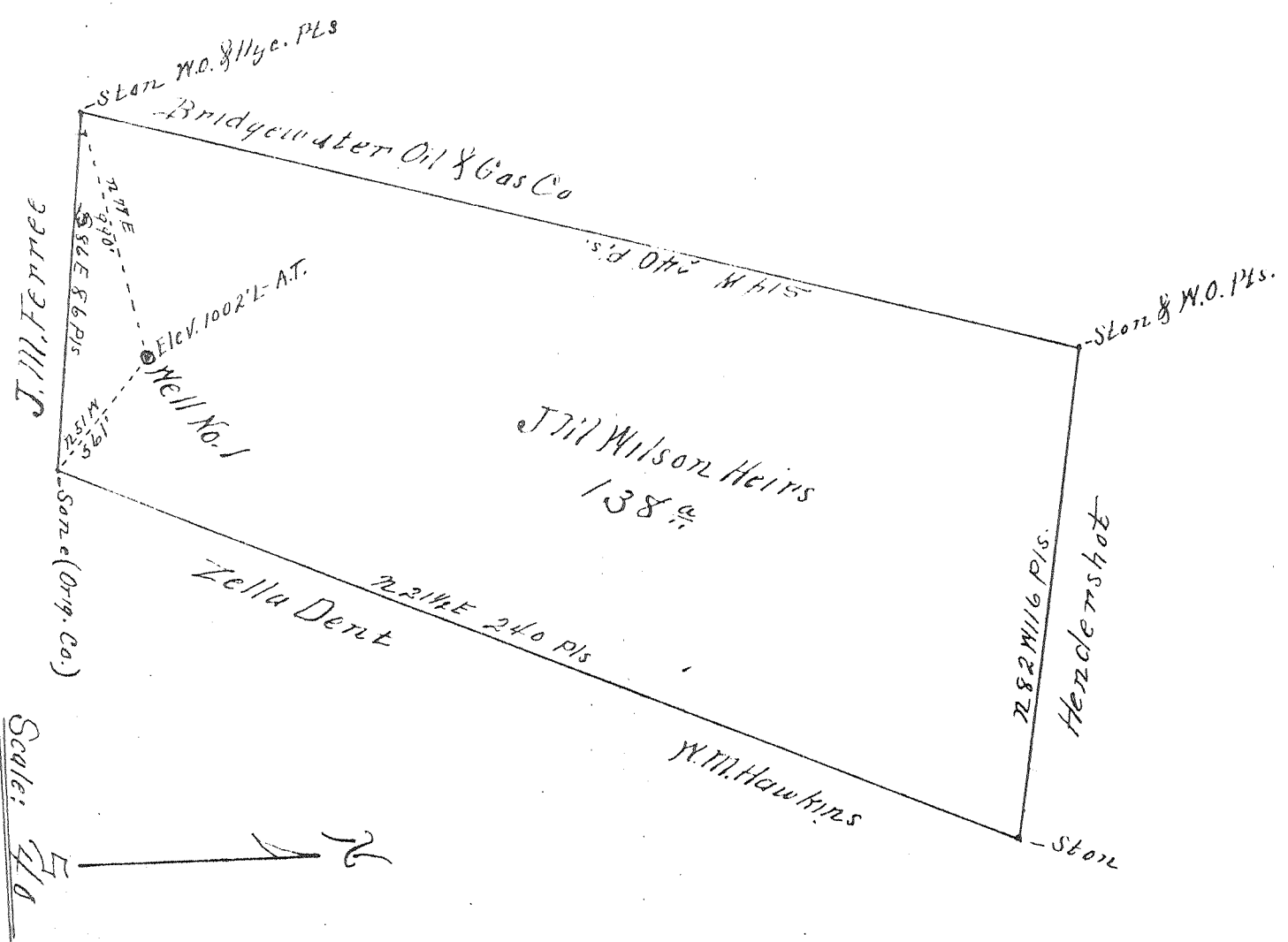
County WIRT

District BURNING SPRINGS

WELL LOCATION MAP

File No. 105-0040

Plat of the Proposed Location of Well No. 1 of J. B. & M. H. Busch, of Brohard, on the J. M. Wilson Heirs farm, consisting of 138 Acres, Located in Burning Springs District, Mint County.



I, the undersigned, hereby certify that this map is correct and shows all the information to the best of my knowledge and belief, required by the oil and gas section of the Mining Laws of West Virginia.

J. F. Pridel
 Surveyor
 O.K. Logan McDonald

Acknowledged before me a Notary Public in and for said County, this the 4 day December 1934
 Given under my hand this 4th day of Dec. 1934,
 W.C. Brooks J.P.

win-40

DEC - 7 1934

(4) LOCATED LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-79)



DATE February 13, 1979
OPERATOR'S WELL NO. 1
API WELL NO. 47-105-0010
STATE COUNTY PERMIT
Not Available

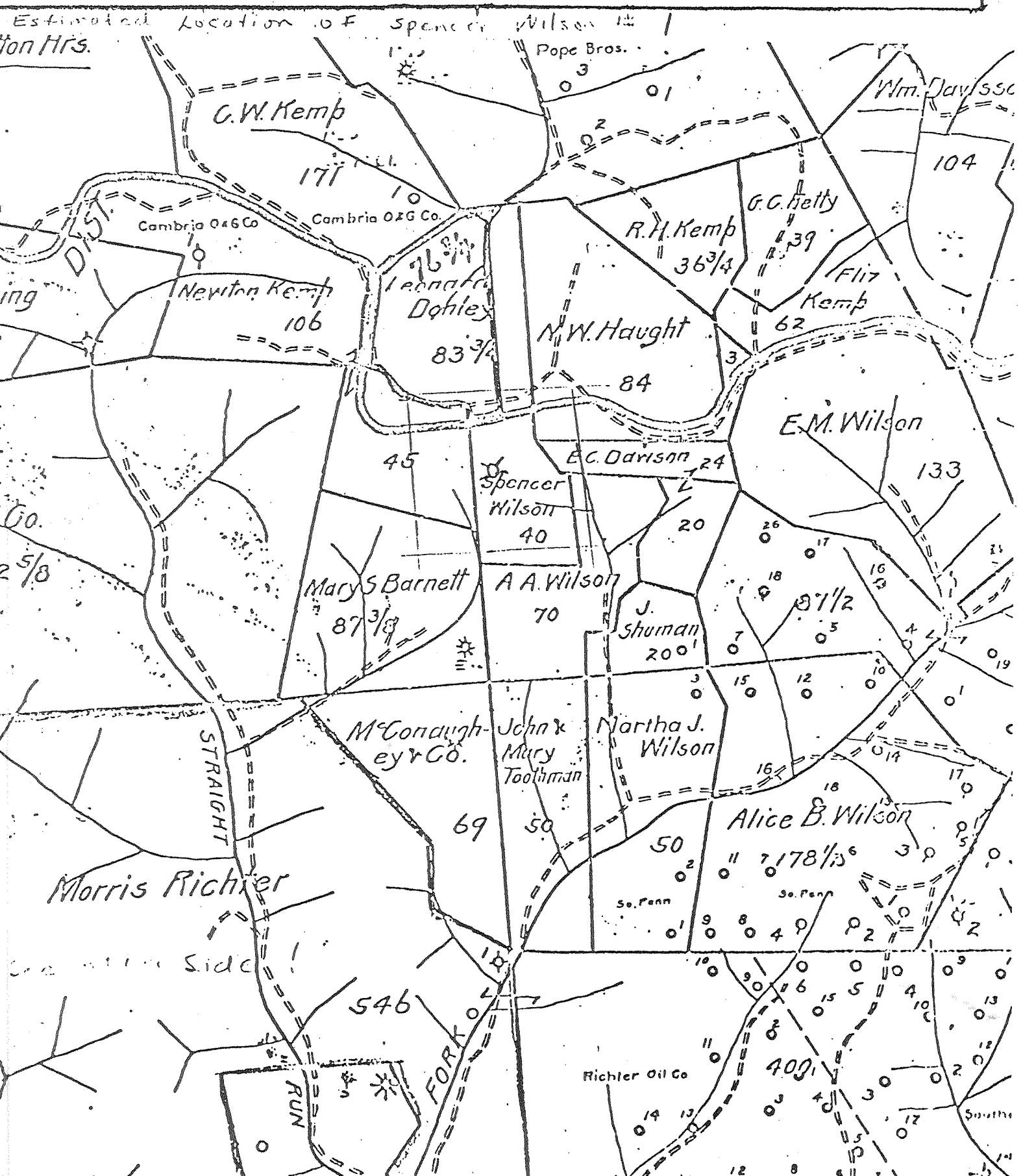
STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
(IF "GAS", PRODUCTION STORAGE DEEP SHALLOW
LOCATION: ELEVATION 1078 WATER SHED Straight Creek
DISTRICT Burning Springs COUNTY Wirt
QUADRANGLE Harrisville

SURFACE OWNER Wilson Heirs ACREAGE 140
OIL & GAS ROYALTY OWNER Wilson Heirs LEASE ACREAGE 140
LEASE NO. _____

PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Applying for API permit No. and Stripper Well NPGA section 108.

PLUG AND ABANDON CLEAN OUT AND REPLUG
TARGET FORMATION Injun ESTIMATED DEPTH 2103
WELL OPERATOR N. G. Busch DESIGNATED AGENT N. G. Busch
ADDRESS Brohard, W.V. ADDRESS Brohard, W.V.



Win-40

WEST VIRGINIA DEPARTMENT OF MINES

OIL AND GAS DIVISION

PRELIMINARY DATA SHEET NO. 1

File No. _____

Well No. #1

Brunsky Park Oil & Gas Company of Brohard

West Virginia on the H. Mc Lealey Farm

containing 144 acres. Location N. 77 E. 990 & N. 51 W. 561

Burning Spring District, in West County, West Virginia

The surface of the above tract is owned in fee by Wm. Mc Lealey

of Little Washington Road address, and the mineral rights are owned by

L. B. Wilson & S. C. Harrah of Fairview West Va.
Mary A. Wilson of Durand Colorado.

The oil and gas privileges are held under lease by the above named company, and this well is drilled under permit

No. West 40 issued by the West Virginia Department of Mines, Oil and Gas Division

Dec. 17 1934.

Elevation of surface at top of well, 1002 feet Spirit Barometric.

The number of feet of the different sized casings used in the well.

Wood Conductor feet 16 ft. 13 in. size. Wood conductor.

1890 feet 5 3/4 in. size, csg. left. in. feet sized csg.

1100 feet 8 1/4 in. size, csg. feet sized csg.

235. feet 10 in. size, csg. feet sized csg.

_____ packer of None. size, set at _____

_____ packer of None. size, set at _____

_____, in casing perforated at None. feet to _____ feet.

_____, in casing perforated at None. feet to _____ feet.

Coal was encountered at None. feet, thick ness None. inches, and at _____

feet; thickness None. inches; and at None. feet; thickness _____ inches.

Liners were used as follows: (Give details) None used.

April 13. 1935.

Date. _____
Approved J. B. & H. R. Burch, Owner.

By _____ (TITLE)

APR 16 1935

W-40

Brushy Fork Oil And Gas Company
Brohard, W. Va. Address
Well No. # 1

COMPLETION DATA SHEET
No. 2
FORMATION RECORD

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
Soil	Dark	Soft		0	6	6	6	
Sand	Yellow	Soft		6	40	34	40	
Red Rock	Red	Soft		40	60	20	60	
Sand	Light	Hard		60	95	35	95	
Slate	Light	Soft		95	105	10	105	
Sand	Light	Hard		105	125	20	125	
Slate	Dark	Soft		125	140	15	140	
Sand	Light	Hard		140	175	35	175	
Slate	Dark	Soft		175	215	40	215	
Red Rock	Red	Soft		215	225	10	225	
Slate	Dark	Soft		225	232	7	232	
Red Rock	Red	Soft		232	239	7	239	
Slate	Light	Soft		239	250	11	250	
Red Rock	Red	Soft		250	300	50	300	
Sand	Light	Hard		300	330	30	330	
Red Rock	Red	Soft		330	340	10	340	
Sand	Light	Hard		340	370	30	370	
Red Rock	Red	Soft		370	390	20	390	
Slate & Shells	Light	Hard & Soft		390	455	65	455	
Red Rock	Red	Soft		455	470	15	470	
Slate	White	Soft		470	480	10	480	
Sand	Light	Hard		480	515	35	515	
Slate	Dark	Soft		515	567	52	567	
Red Rock	Red	Soft		567	595	28	595	
Slate	Dark	Soft		595	610	15	610	
Lime Shell	Light	Hard		610	620	10	620	
Slate	White	Soft		620	630	10	630	
Lime	Light	Hard		630	650	20	650	
Slate	White	Soft		650	660	10	660	
Red Lime	Red	Hard		660	680	20	680	
Slate	White	Soft		680	740	60	740	
Big Red	Red	Soft		740	845	105	845	
Slate	White	Soft		845	861	16	861	
Red Rock	Red	Soft		861	868	7	868	

Well was ~~not~~ shot at 1845 to 1885 feet; well was shot at With Acid feet.

Salt Fresh water at 1818 to 1824 feet; salt fresh water at 1845 to 1855 feet.

Well was producing hole. dry

April 13, 1935 Date

Approved J. B. E. A. R. Bruch Owner

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

APR 10 1935

Wm - 40

Brushy Fork Oil & Gas Company
Producers Address

COMPLETION DATA SHEET
No. 2
FORMATION RECORD

Well No. *H. 1.*

Name	Color	Character	Oil, Gas or Water	Top	Bottom	Thickness	Total Depth	Remarks
me	White	Hard		868	872	4	872	
ate	White	Soft		872	900	28	900	
ttle Dunkard	White	Hard		900	918	18	918	
ate	Dark	Soft		918	930	12	930	
d Rock	Red	Soft		930	960	30	960	
ate	White	Soft		960	985	15	985	
ate	Dark	Soft		985	1000	15	1000	
me	Light	Hard		1000	1020	20	1020	
ate	White	Soft		1020	1030	10	1030	
me Shell	Light	Hard		1030	1040	10	1040	
g Dunkard	Dark	Hard		1040	1060	20	1060	
ate	Black	Soft		1060	1100	40	1100	
ate	White	Soft		1100	1120	20	1120	
nd	Light	Hard		1120	1140	20	1140	
ate	White	Soft		1140	1150	20	1150	
nd	Light	Hard		1160	1180	20	1180	
ate	Black	Soft		1180	1195	15	1195	
s Sand	Light	Hard		1195	1250	55	1250	
ate	White	Soft		1250	1325	75	1325	
nd	Light	Hard		1325	1340	15	1340	
ate	White	Soft		1340	1400	60	1400	
ate	Black	Soft		1400	1435	35	1400	
t Salt Sand	Light	Hard		1435	1485	50	1485	
ate	Black	Soft		1485	1605	120	1605	
d Salt Sand	Light	Hard		1605	1695	90	1695	
ate	Black	Soft		1695	1700	5	1700	
nd	Light	Hard		1700	1748	48	1748	
ate	Black	Soft		1748	1769	21	1769	
xum	Light	Hard	Gas 1778-1784 Water 1818-1855	1769	1858	89	1858	
ttle Lime	Dark	Hard		1858	1868	10	1868	
ncill Cave	Dark	Soft		1868	1870	2	1878	
g Lime	Light	Hard		1870	1940	70	1940	
ener	Light	Hard		1940	1960	20	1960	
g Injun	Light	Hard	Gas 1962-1968 Gas 1975-1977	1960	2040	80	2040	
ate	Black	Soft		2040	2048	8	2048	
quaw Sand	Light	Soft		2048	2055	7	2055	
ate	Black	Soft		2055				
TOTAL DEPTH				2055				

Well was ~~not~~ shot at *1985 to 1945* feet; well was shot at *With Acid* feet.

Salt Fresh water at *1818 to 1824* feet; salt fresh water at *1845 to 1855* feet.

Well was ~~not~~ producing hole.

April 13, 1935 Date Approved *J. B. & A. R. Busch* Owner

NOTE: All bottom formations must be noted as indicated above and all key-rocks and oil and gas sands must be recorded under their proper geological names in the district as well as any local names commonly used in the district for such strata.

4871-10-15-35

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

Date: February 13 19

FORM IV-35
(Obverse)

Operator's
Well No. Spencer Wilson #

[08-78]

WELL OPERATOR'S REPORT

API Well No. 47 - 40

OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

State County Perm
Not Available

WELL TYPE: Oil ___ / Gas X / Liquid Injection ___ / Waste Disposal ___ / Whit - 40
(If "Gas", Production X / Underground storage ___ / Deep ___ / Shallow ___ /)

LOCATION: Elevation: 1078 Watershed: Straight Creek

District: Burning Springs County: Wirt Quadrangle: Harrisville

WELL OPERATOR N. G. Busch
Address BRohard,
West Virginia 26138

DESIGNATED AGENT N. G. Busch
Address Brohard,
West Virginia 26138

PERMITTED WORK: Drill ___ / Convert ___ / Drill deeper ___ / Redrill ___ / Fracture or stimulate ___
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) Applying for API permit No.,
if issued, and NGPA section 108 stripper Well class.

PERMIT ISSUED ON Not Available, 19

OIL & GAS INSPECTOR FOR THIS WORK:

(IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED

Name Paul Goodnight
Address Smithville W.V.

GEOLOGICAL TARGET FORMATION: Injun Depth 2030 feet

Depth of completed well, 2103 feet Rotary ___ / Cable Tools X

Water strata depth: Fresh, N/A feet; salt, 1895 feet.

Coal seam depths: None Is coal being mined in the area? No

Work was commenced February, 19 36, and completed April 11, 19 36

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		
Conductor								Kinds
Fresh water	10"						345	
Coal								Sizes
Intermediate	8"						1130	
Production	6 5/8"						1389	Depth set
Tubing	2"						2090	
Liners								Perforations:
								Top Bottom
								2030 to 2103

OPEN FLOW DATA

Producing formation Injun Pay zone depth 2030 feet

Gas: Initial open flow, N/A 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

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

[08-78]

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

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Clay			0	20	
Sand			20	90	
White Slate			90	185	
Red Rock			185	218	
Lime			218	262	
Slate & Shells			262	340	
Red Rock			340	380	
White Slate			380	460	
Red Rock			460	600	
Slate & Shells			600	750	
Big Red Rock			750	1015	
Little Duncard			1015	1025	
Slate			1025	1130	
Big Duncard			1130	1145	
Slate & Shells			1145	1379	
Long Streak Sand			1379	1565	
Slate & Shells			1565	1675	
Gas Sand			1675	1780	
Shale			1780	1795	
Salt Sand			1795	1830	
Shale Shells			1830	1870	
Maxon Sand			1870	1965	
Big Lime			1965	2030	Water 1895 to 1898
Injun Sand			2030	2103	Water 1945 to 1950
T. D.			2103		

(Attach separate sheets to complete as necessary.)

By N. G. Busch
Well Operator
By N. G. Busch
Its Designated Agent

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."

W. McCauley NO. 1 WELL (J.M. Wilson Hrs. Plat)

Burning Springs District, Wirt County, W. Va.

By Brushy Fork Oil and Gas (J.B. and W. R. Bush) Brohard, W. Va.

Drilled after permit Wirt-40 (issued 12/17/34)

Surface owned by Wess McCauley, Little Washington, Pa.

Minerals owned by L.B. Wilson and S.E. Darrah and Mary A. Wilson, Fairview
W. Va., Aurora, Col.

Well shot from 1885 to 1845'.

13" casing 16'; 10", 235'; 8 1/4 " 1100' pulled; 6 5/8", 1890' left in.

No coal recorded.

Water 1818-55' hole full; gas 1778-84'; 1962-68'; 1975-77'.

Record to RCT, Feb. 2/61

	Top	Bottom
Soil, dark, soft	0	6
Sand, yellow, soft	6	40
Red rock, red, soft	40	60
Sand, light, hard	60	95
Slate, light, soft	95	105
Sand, light, hard	105	125
Slate, dark, soft	125	140
Sand, light, hard	140	175
Slate, dark, soft	175	215
Red rock, red, soft	215	225
Slate, dark, soft	225	232
Red rock, red, soft	232	239
Slate, light, soft	239	250
Red rock, red, soft	250	300
Sand, light, hard	300	330
Red rock, red, soft	330	340
Sand, light, hard	340	370
Red rock, red, soft	370	390
Slate and shells, light, hard and soft	390	455
Red rock, red, soft	455	470
Slate, white, soft	470	480
Sand, light, hard	480	515
Slate, dark, soft	515	567
Red rock, red, soft	567	595
Slate, dark, soft	595	610
Lime shell, light, hard	610	620
Slate, white, soft	620	630
Lime, light, hard	630	650
Slate, white, soft	650	660
Red lime, red, hard	660	680
Slate, white, soft	680	740
Big Red, red, soft	740	845
Slate, white, soft	845	861
Red rock, red, soft	861	868
Lime, white, hard	868	872
Slate, white, soft	872	900
Little Dunkard, white, hard	900	918
Slate, dark, soft	918	930
Red rock, red, soft	930	960
Slate, white, soft	960	985
Slate, dark, soft	985	1000
Lime, light, hard	1000	1020
Slate, white, hard	1020	1030

(Over

P. 2)

	Top	Bottom
Lime shell, light, hard	1030	1040
Big Dunkard, dark, hard	1040	1060
Slate, black, soft	1060	1100
Slate, white, soft	1100	1120
Sand, light, hard	1120	1140
Slate, white, soft	1140	1150
Sand, light, hard	1160	1180
Slate, black, soft	1180	1195
Gas Sand, light, hard	1195	1250
Slate, white, soft	1250	1325
Sand, light, hard	1325	1340
Slate, white, soft	1340	1400
Slate, black, soft	1400	1435
1st Salt Sand, light, hard	1435	1485
Slate, black, soft	1485	1605
2nd Salt Sand, light, hard	1605	1695
Slate, black, soft	1695	1700
Sand, light, hard	1700	1748
Slate, black, soft	1748	1769
Maxton, light, hard	1769	1858
Little Lime, Dark, hard	1858	1863
Pencil Cave, dark, soft	1863	1870
Big Lime, light, hard	1870	1940
Keener, light, hard	1940	1960
Big Injun, light, hard	1960	2040
Slate, black, soft	2040	2048
Squaw Sand, light, soft	2048	2055
Slate, black, soft	2055	
TOTAL DEPTH		2055