

Location Determined
By Differential GPS

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS (7 1/2")

FILE NO. _____
 DRAWING NO. 7313
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION EXISTING WELL

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) [Signature]
 R.P.E. _____ L.L.S. 819



STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION
 SECTION OF OIL & GAS

DATE APRIL 7, 1999
 OPERATOR'S WELL NO. 7313
 API WELL NO. _____

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

LOCATION: ELEVATION 837.40' WATER SHED Tributary To Mud Run Of Sandy Creek Storage
 DISTRICT Ravenswood COUNTY Jackson 0.5177
 QUADRANGLE Ripley, WV COORDINATES LAT: 38°52'02" LONG: 81°41'56"

SURFACE OWNER James Elden Pursley ACREAGE 31
 OIL & GAS ROYALTY OWNER James Elden Pursley - 1/2 Int. & Hattie W. Loeman, Et Al - 1/2 Int. LEASE ACREAGE 27
 COAL OWNER James Elden Pursley LEASE NO. 51140

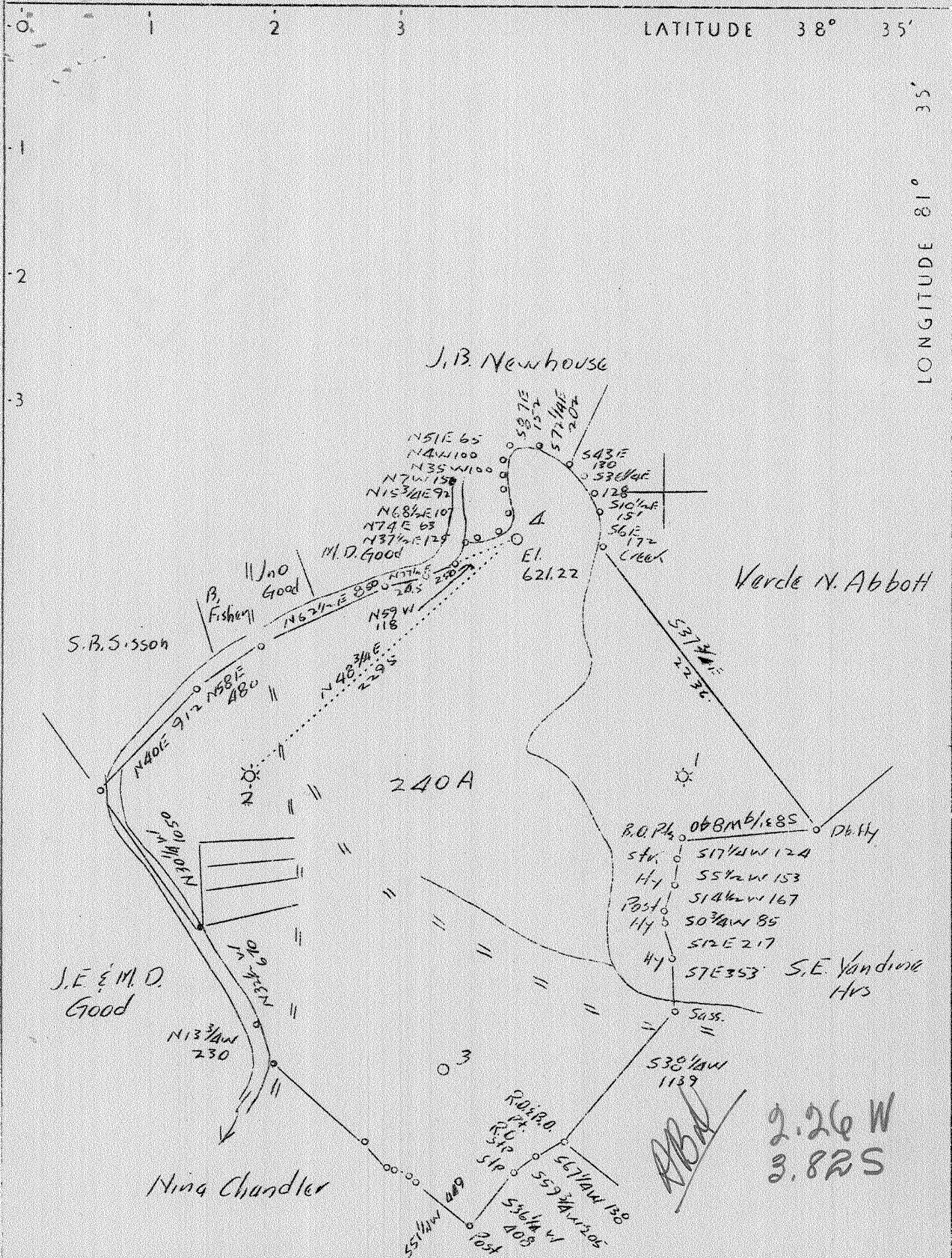
PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) Storage Recondition
Existing Well drilled in 1946 by United Fuel.

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION ORISKANY ESTIMATED DEPTH 5030' MAY 17 1999

WELL OPERATOR COLUMBIA GAS TRANSMISSION CORP DESIGNATED AGENT RICHARD L COTY
 ADDRESS PO Box 1273, Charleston, WV 25325-1273 ADDRESS PO Box 1273, Charleston, WV 25325-1273

JACKSON COUNTY NAME PERMIT 517

9-AM 1999



Company	South Penn Oil Co.
Address	411 Seventh Ave., Pittsburgh, Pa.
Farm	Beane-Newhouse Line Well
Tract	Acres 240 Lease No. 61408
Well No.	Farm 4 Serial No. 500 61410
Quadrangle	Kenna S.C.
County	Kanawha
District	Poca
Engineer	E.C. Tabler
Engineer's Registration No.	
File No.	Drawing No.
Date Feb. 12, 1938	Scale 1" 800'

STATE OF WEST VIRGINIA
 Department of Mines
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP

File No. KAN-517-D

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

WEST VIRGINIA DEPARTMENT OF MINES

OIL & GAS DIVISION

WELL RECORD

Permit No. Kan-517

Gas Well

Kenna Quad.

CASING & TUBING

Company	South Penn Oil Co.	16"	46'11" (Pulled 7'1")
Address	411 - 7th Avenue, Pittsburgh, Pa.	13-5/8	318'11" (Pulled 25'1")
Farm	Beane-Newhouse Line Well	10	1449'5" (Pulled)
Acres	240 - 500	8-5/8	1682'7" (Pulled 6'1")
Well No.	One	7	4719'6"
District	Poca	ELEV. 621.22'	
Surface	Jno. Beane, et al, Sissonville, W.Va.		
Mineral	J. J. Beane et al, Sissonville, W.Va.		
Drilling commenced	4-17-38 - completed 8-8-38		
Shot	Not shot	See Packer record below.	
Open Flow	62/10ths Merc. in 7"		
Volume	14,427,000 c.f.	CASING CEMENTED:	
Rock Pressure	1520 lbs. 24 hrs.	Size	Feet
Fresh Water	375' - 8 blrs. per hr.	8-5/8	1670
Salt Water	1015' - Hole full	7	4675

Formation	Color	H-S	Top	Base	Result	Formation	Color	H-S	Top	Base	Result
Red Rock				20		Black Shale			4610	4656	
Gravel			20	25		Corniferous			4656	4764	
Red Rock			25	60		Oriskany			4764		Not drilled through
Slate			60	120		Total Depth					4781
Lime			120	135		Gas 1508 2/10 7.1" ope.			(12,000 c.f.)		
Slate			135	155		" 1520-1524 9/10 7.1" ope.			(35,760 c.f.)		
Lime			155	210		" 3875 Inst. to test					
Slate			210	265		" 4675 Inst. to test					
Lime			265	300		" 4766-4770 4/10 7" OD Csg.			(3,233,000 cf)		
Sand			300	320		" 4770-4773 10/10 7"			" "		(5,794,000 cf)
Slate			320	350		" 4773-4775 18/10 7"			" "		(7,769,000 cf)
Lime			350	370		" 4775-4779 62/10 7"			" "		(14,427,000 cf)
Slate			370	375							
Sand			375	390							
Slate			390	400							
Lime			400	425							
Slate			425	450							
Sand			450	470							
Slate	dark		470	490		PACKER RECORD:					
Sand			490	500		Steel Shoe 10-3/4			1435		5-28-38
Slate			500	505		do 8-5/8			1670		6-4-38
Sand			505	530		do 7			4675		7-25-38
Slate			530	545							
Lime			545	635							
Slate			635	660							
Lime			660	725							
Slate	dark		725	840							
Sand			840	854							
Black Slate			854	915							
Lime			915	945							
Salt Sand			945	1389							
Black Slate			1389	1393							
Little Lime			1393	1419							
Pencil Cave			1419	1423							
Big Lime			1423	1602							
Big Injun Sand			1602	1650							
Black Slate			1650	1667							
Shells			1667	1674							
Slate			1674	2035							
Brown Shale			2035	2045							
Berea Grit			2045	2050							
Slate & Shells			2050	3684							
Brown Shale			3684	3698							
Slate & Shells			3698	3905							
White Slate			3905	3950							
Slate & Shells			3950	4200							
Brown Shale			4200	4610							

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

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WELL RECORD DRILLED DEEPER

Permit No. KAN-517-D

Oil or Gas Well GAS
(KIND)

Company South Penn Natural Gas Company
 Address Union Trust Bldg. Parkersburg, W. Va.
 Farm Beane-Newhouse Acres 240-500
 Location (waters) Poca River & Grapevine
 Well No. Line Well No. 1 - D.D. Elev. 6212.7
 District Poca County Kanawha
 The surface of tract is owned in fee by Jno. Beane et al
Sissonville, W. Va.
 Mineral rights are owned by J. J. Beane et al
Sissonville, W. Va.
 Drilling commenced February 6, 1941
 Drilling completed February 25, 1941
 Date shot --- Depth of shot ---
 Open Flow 16 /10ths Water in 6-5/8" Inch
 /10ths Merc. in --- Inch
 Volume 1,684,000 Cu. Ft.
 Rock Pressure --- lbs. hrs.
 Oil --- bbls., 1st 24 hrs.
 Fresh water --- feet --- feet
 Salt water --- feet --- feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			
10			Size of
8 1/4			
6 5/8			Depth set
5 3/16			
3			Perf. top
2 Add.	34'		Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED --- SIZE --- No. Ft. --- Date ---
 COAL WAS ENCOUNTERED AT 99 FEET --- INCHES
--- FEET --- INCHES FEET --- INCHES
--- FEET --- INCHES FEET --- INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks	
OLD TOTAL DEPTH:				4781 (Oriskany)	Gas before D.D.	11/10 W. 6-5/8"	24#	
					1,356,000 cu ft			
Oriskany			4781	4805	Gas	4797-4801 19/10 W. 6-5/8"	24#	
				4801	reduced to 16/10 W. 6-5/8"		24#	
					1,785,000 cu ft			
					1,684,000 cu ft			
Total Depth				4805				
NOTE: Did not drill through Oriskany							1684 1306 328	

