



New Location
 Drift Deeper
 Abandonment

FANNIE SEP 15 1941
 BROADWATER

Company PITTSBURGH & W.VA. GAS CO.
 Address CLARKSBURG, W.VA.
 Farm H.L. BROADWATER
 Acreage 500 Lease No. 14193
 Well (Farm) No. FOUR Serial No. 4402
 Elevation (Spirit Level) 828.5' V.A.
 Township WEST UNION S.W. 4
 County RITCHIE District CLAY
 Engineer Paul W. Cunningham
 State's Registration No. _____

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

WELL LOCATION MAP
 FILE NO. RIT-547A

+ 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.

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

(240)

WELL RECORD

Permit No. 1717A

Oil or Gas Well OIL
(KIND)

Company Pittsburgh & West Va Gas Company.
 Address Clarkburg, West Va.
 Farm H. J. Branstater Acres 500
 Location (waters) West Union 5/4, 4-3
 Well No. 4498 Elev. 620.5 VA
 District Clay County Lincoln
 The surface of tract is owned in fee by H. J. Branstater
 Address Toll Gate, W.Va.,
 Mineral rights are owned by H. J. Branstater - Adm Est
T. J. Branstater Mrs. Address Toll Gate, West Va.
 Drilling commenced November 9, 1913
 Drilling completed December 2, 1913
 Date shot..... Depth of shot.....
 Open Flow /10ths Water in..... Inch
 /10ths Merc. in..... Inch
 Volume..... 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.....			Size of.....
13.....			Depth set.....
10.....	<u>107'</u>	<u>107'</u>	Perf. top.....
8 1/4.....	<u>99'</u>	<u>Full</u>	Perf. bottom.....
6 5/8.....	<u>107'</u>	<u>107'</u>	Perf. top.....
5.....			Perf. bottom.....
3.....			
2.....			
Liners Used.....			

CASING CEMENTED..... SIZE..... No. Ft..... Date.....
 GOAL WAS ENCOUNTERED AT 1000 FEET 24 INCHES
 FEET..... INCHES..... FEET..... INCHES
 FEET..... INCHES..... FEET..... INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Clay	Dark	Hard	0'-10" RRRRRRRRRRRRRRRRR	10'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	10'-10" RRRRRRRRRRRRRRRRR	11'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	11'-10" RRRRRRRRRRRRRRRRR	12'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	12'-10" RRRRRRRRRRRRRRRRR	13'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	13'-10" RRRRRRRRRRRRRRRRR	14'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	14'-10" RRRRRRRRRRRRRRRRR	15'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	15'-10" RRRRRRRRRRRRRRRRR	16'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	16'-10" RRRRRRRRRRRRRRRRR	17'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	17'-10" RRRRRRRRRRRRRRRRR	18'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	18'-10" RRRRRRRRRRRRRRRRR	19'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	19'-10" RRRRRRRRRRRRRRRRR	20'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	20'-10" RRRRRRRRRRRRRRRRR	21'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	21'-10" RRRRRRRRRRRRRRRRR	22'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	22'-10" RRRRRRRRRRRRRRRRR	23'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	23'-10" RRRRRRRRRRRRRRRRR	24'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	24'-10" RRRRRRRRRRRRRRRRR	25'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	25'-10" RRRRRRRRRRRRRRRRR	26'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	26'-10" RRRRRRRRRRRRRRRRR	27'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	27'-10" RRRRRRRRRRRRRRRRR	28'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	28'-10" RRRRRRRRRRRRRRRRR	29'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	29'-10" RRRRRRRRRRRRRRRRR	30'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	30'-10" RRRRRRRRRRRRRRRRR	31'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	31'-10" RRRRRRRRRRRRRRRRR	32'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	32'-10" RRRRRRRRRRRRRRRRR	33'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	33'-10" RRRRRRRRRRRRRRRRR	34'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	34'-10" RRRRRRRRRRRRRRRRR	35'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	35'-10" RRRRRRRRRRRRRRRRR	36'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	36'-10" RRRRRRRRRRRRRRRRR	37'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	37'-10" RRRRRRRRRRRRRRRRR	38'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	38'-10" RRRRRRRRRRRRRRRRR	39'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	39'-10" RRRRRRRRRRRRRRRRR	40'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	40'-10" RRRRRRRRRRRRRRRRR	41'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	41'-10" RRRRRRRRRRRRRRRRR	42'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	42'-10" RRRRRRRRRRRRRRRRR	43'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	43'-10" RRRRRRRRRRRRRRRRR	44'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	44'-10" RRRRRRRRRRRRRRRRR	45'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	45'-10" RRRRRRRRRRRRRRRRR	46'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	46'-10" RRRRRRRRRRRRRRRRR	47'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	47'-10" RRRRRRRRRRRRRRRRR	48'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	48'-10" RRRRRRRRRRRRRRRRR	49'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	49'-10" RRRRRRRRRRRRRRRRR	50'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	50'-10" RRRRRRRRRRRRRRRRR	51'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	51'-10" RRRRRRRRRRRRRRRRR	52'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	52'-10" RRRRRRRRRRRRRRRRR	53'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	53'-10" RRRRRRRRRRRRRRRRR	54'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	54'-10" RRRRRRRRRRRRRRRRR	55'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	55'-10" RRRRRRRRRRRRRRRRR	56'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	56'-10" RRRRRRRRRRRRRRRRR	57'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	57'-10" RRRRRRRRRRRRRRRRR	58'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	58'-10" RRRRRRRRRRRRRRRRR	59'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	59'-10" RRRRRRRRRRRRRRRRR	60'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	60'-10" RRRRRRRRRRRRRRRRR	61'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	61'-10" RRRRRRRRRRRRRRRRR	62'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	62'-10" RRRRRRRRRRRRRRRRR	63'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	63'-10" RRRRRRRRRRRRRRRRR	64'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	64'-10" RRRRRRRRRRRRRRRRR	65'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	65'-10" RRRRRRRRRRRRRRRRR	66'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	66'-10" RRRRRRRRRRRRRRRRR	67'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	67'-10" RRRRRRRRRRRRRRRRR	68'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	68'-10" RRRRRRRRRRRRRRRRR	69'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	69'-10" RRRRRRRRRRRRRRRRR	70'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	70'-10" RRRRRRRRRRRRRRRRR	71'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	71'-10" RRRRRRRRRRRRRRRRR	72'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	72'-10" RRRRRRRRRRRRRRRRR	73'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	73'-10" RRRRRRRRRRRRRRRRR	74'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	74'-10" RRRRRRRRRRRRRRRRR	75'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	75'-10" RRRRRRRRRRRRRRRRR	76'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	76'-10" RRRRRRRRRRRRRRRRR	77'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	77'-10" RRRRRRRRRRRRRRRRR	78'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	78'-10" RRRRRRRRRRRRRRRRR	79'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	79'-10" RRRRRRRRRRRRRRRRR	80'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	80'-10" RRRRRRRRRRRRRRRRR	81'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	81'-10" RRRRRRRRRRRRRRRRR	82'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	82'-10" RRRRRRRRRRRRRRRRR	83'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	83'-10" RRRRRRRRRRRRRRRRR	84'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	84'-10" RRRRRRRRRRRRRRRRR	85'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	85'-10" RRRRRRRRRRRRRRRRR	86'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	86'-10" RRRRRRRRRRRRRRRRR	87'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	87'-10" RRRRRRRRRRRRRRRRR	88'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	88'-10" RRRRRRRRRRRRRRRRR	89'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	89'-10" RRRRRRRRRRRRRRRRR	90'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	90'-10" RRRRRRRRRRRRRRRRR	91'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	91'-10" RRRRRRRRRRRRRRRRR	92'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	92'-10" RRRRRRRRRRRRRRRRR	93'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	93'-10" RRRRRRRRRRRRRRRRR	94'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	94'-10" RRRRRRRRRRRRRRRRR	95'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	95'-10" RRRRRRRRRRRRRRRRR	96'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	96'-10" RRRRRRRRRRRRRRRRR	97'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	97'-10" RRRRRRRRRRRRRRRRR	98'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	98'-10" RRRRRRRRRRRRRRRRR	99'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	99'-10" RRRRRRRRRRRRRRRRR	100'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	100'-10" RRRRRRRRRRRRRRRRR	101'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	101'-10" RRRRRRRRRRRRRRRRR	102'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	102'-10" RRRRRRRRRRRRRRRRR	103'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	103'-10" RRRRRRRRRRRRRRRRR	104'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	104'-10" RRRRRRRRRRRRRRRRR	105'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	105'-10" RRRRRRRRRRRRRRRRR	106'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	106'-10" RRRRRRRRRRRRRRRRR	107'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	107'-10" RRRRRRRRRRRRRRRRR	108'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	108'-10" RRRRRRRRRRRRRRRRR	109'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	109'-10" RRRRRRRRRRRRRRRRR	110'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	110'-10" RRRRRRRRRRRRRRRRR	111'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	111'-10" RRRRRRRRRRRRRRRRR	112'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	112'-10" RRRRRRRRRRRRRRRRR	113'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	113'-10" RRRRRRRRRRRRRRRRR	114'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	114'-10" RRRRRRRRRRRRRRRRR	115'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	115'-10" RRRRRRRRRRRRRRRRR	116'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	116'-10" RRRRRRRRRRRRRRRRR	117'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	117'-10" RRRRRRRRRRRRRRRRR	118'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	118'-10" RRRRRRRRRRRRRRRRR	119'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	119'-10" RRRRRRRRRRRRRRRRR	120'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	120'-10" RRRRRRRRRRRRRRRRR	121'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	121'-10" RRRRRRRRRRRRRRRRR	122'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	122'-10" RRRRRRRRRRRRRRRRR	123'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	123'-10" RRRRRRRRRRRRRRRRR	124'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	124'-10" RRRRRRRRRRRRRRRRR	125'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	125'-10" RRRRRRRRRRRRRRRRR	126'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	126'-10" RRRRRRRRRRRRRRRRR	127'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	127'-10" RRRRRRRRRRRRRRRRR	128'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	128'-10" RRRRRRRRRRRRRRRRR	129'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	129'-10" RRRRRRRRRRRRRRRRR	130'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	130'-10" RRRRRRRRRRRRRRRRR	131'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	131'-10" RRRRRRRRRRRRRRRRR	132'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	132'-10" RRRRRRRRRRRRRRRRR	133'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	133'-10" RRRRRRRRRRRRRRRRR	134'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	134'-10" RRRRRRRRRRRRRRRRR	135'-10" RRRRRRRRRRRRRRRRR			
Shale	Dark	Hard	135'-10" RRRRRRRRRRRRRRRRR	136'-10" RRRRRRRRRRRRRRRRR</			

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate	Dark	Hard	1490	1500			
Med. Salt Sand	"	Med	1500	1510			
Slate	"	Hard	1510	1520			
Sand	"	Med	1520	1530			
Slate	"	Hard	1530	1540			
Sand	"	Med	1540	1550			
Slate	White	Hard	1550	1560			
Slaty Lime	Whitish	Hard	1560	1570			
Sand	Gray	Hard	1570	1580			
Lime Sand	White	Hard	1580	1590			
Coal	Black	Hard	1590	1600			
Slate	Dark	Hard	1600	1610			
Sand	"	Med	1610	1620			
Slate	"	Hard	1620	1630			
Medium Sand	"	Med	1630	1640			
Slate	"	Hard	1640	1650			
Lime - Little	"	Hard	1650	1660			
Small Cove	"	Med	1660	1670			
Big Lime	"	Hard	1670	1680			
Big Brown Sand	Gray	Hard	1680	1690	Gas	1700'	
Co-ventured			1690	1700			
Super Sand			1700	1710	Gas	1775-1800'	
Co-ventured			1710	1720			
Total Depth			1805				

September 3, 1912.

Date 1912.
PITTSBURGH & WEST VA GAS COMPANY.

APPROVED , Owner

By (Title)

Record of Well No. 4408 Located on Harry L. Broadwater #4 Farm Oct 18 1915
Clay District Pitkin County West Va State _____
 Division 7 District No. 14 Drilled under well Order 371
 Rig built by John Craig Began Oct 27 1915 Completed Nov 1 1915
John H. McCall Began Aug 18 1922 Completed Aug 25 1922
 Well drilled by W. M. McCall Began Nov 5 1915 Completed Dec 21 1915
 Depth of Well 1722 feet Size of Hole 6 5/8 Producing Gas
1823

CASED WITH			REMARKS
AMOUNT	SIZE	KIND	
			<u>Permit # 30547</u>
<u>16'</u>	<u>13"</u>	<u>Wood</u>	
<u>167"</u>	<u>10"</u>	<u>Old</u>	
<u>992</u>	<u>8 1/4"</u>	<u>"</u>	<u>Reclaimed</u>
<u>1679'</u>	<u>6 5/8"</u>	<u>"</u>	<u>1-8 1/4 x 6 5/8 B. H. Packer</u>

COAL VEINS

FORMATIONS					
FORMATION	COLOR	OPEN OR CLOSE HARD OR SOFT	TOP	BOTTOM	REMARKS GAS-OIL-WATER (thickness of pay)
<u>1st. Shell Sand</u>			<u>1140</u>	<u>1220</u>	<u>Water 210-2 Bails</u>
<u>2nd " "</u>			<u>1235</u>	<u>1300</u>	<u>" 1240-10 "</u>
<u>3rd " "</u>			<u>1315</u>	<u>1324</u>	
<u>Little Fine</u>			<u>1590</u>	<u>1610</u>	
<u>Council Cove</u>			<u>1610</u>	<u>1615</u>	
<u>Big Fine</u>			<u>1615</u>	<u>1690</u>	
<u>Big Fine</u>			<u>1690</u>	<u>1785</u>	<u>Gas 1708 - 2 1/2 M/2 "</u>
<u>Spur Sand</u>			<u>1790</u>	<u>1805</u>	<u>1/2 M 6 5/8</u>
<u>Began drilling at</u>			<u>1722</u>		<u>" 1795</u> <u>1800</u>

FIRST PRESSURE TEST IN _____ CASING		REMARKS
30 Sec.	lbs.	
1 Min.	"	Used 95 ft. 1 1/2" 3" Tubing
2 "	"	6 5/8 x 3 Anchor Casper
5 "	"	11 ft. 150 ft. of Anchor
10 "	"	1/2 1 2 2 4 5 10 15 20 30 60
15 "	"	4 8 16 23 31 40 72 91 102 112 115
30 "	"	12 hrs.
Rock Pressure	" in	122"
Taken		19
By		

WELL TUBED AND PACKED Dec 4 1915

VIZ: Used 88 ft. 1 1/2" 3" Tubing (Old)
 1-6 5/8 x 3" Anchor Casper
 5 ft. 5 1/4" of Anchor
D. C. Marshall

FIRST PRESSURE TEST IN 3" TUBING		REMARKS
30 Sec.	180 lbs.	5" open flow spring gauge
1 Min.	260 "	
2 "	320 "	335 345
5 "	355 "	
10 "	380 "	
15 "	390 "	
30 "	415 "	
Rock Pressure	560 "	in 14 hrs.
Taken		Dec 4 1915
By		<i>D. C. Marshall</i>

MATERIAL FOR THIS WELL RECEIVED FROM FOLLOWING SOURCES:

Blank lined area for recording sources of material.

Well # 4402 N. L. Broadwater

NAME	TOP	BOTTOM	OIL	GAS	WATER	REMARKS
Clay		22				
Water Sand	22	155				
Lime + Sand	155	220				
Slate	220	260			210	
Water Shell	260	412				
Lime	412	446				
Slate	446	570				
Sand	570	570				
Slate	570	640				
Red Rock	640	670				
Slate + Lime	670	815				
Red Rock	815	835				
Slate + Shells	835	870				
Lime	870	905				
Slate	905	990				
Lime Shells	990	1140				
wt. Salt Sand	1140	1220				
Slate	1220	1235				
and Salt Sand	1235	1300			1240	
Sand	1300	1315				
Slate	1315	1324				
Sand	1324	1375				
Lime	1375	1405				
Slate + Shells	1405	1485				
Coal	1485	1487				
Slate	1487	1575				
Sand	1575	1590				
Little Lime	1590	1610				
Slate	1610	1615				
Big Lime	1615	1690				
Big Sand	1690					
Heat Oil		1722		1708		