



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1320'  
 MINIMUM DEGREE OF ACCURACY \_\_\_\_\_  
 PROVEN SOURCE OF ELEVATION \_\_\_\_\_

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) Donald J. Bay  
 R.P.E. \_\_\_\_\_ L.L.S. 247

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6  
 (8-78)



DATE MAR 26, 19 80  
 OPERATOR'S WELL NO. GW 16 (J-1)  
 API WELL NO. 47 - 017 - 2122  
 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 \_\_\_ SHALLOW X

LOCATION: ELEVATION 810' WATER SHED MEATHOUSE FORK  
 DISTRICT NEW MILTON COUNTY DODDRIDGE  
 QUADRANGLE SMITHBURG 7 1/2 centerpoint SW

SURFACE OWNER \_\_\_\_\_ ACREAGE \_\_\_\_\_  
 OIL & GAS ROYALTY OWNER JONES "J" LEASE ACREAGE \_\_\_\_\_  
 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) F.E.R.C. FILING

PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_

TARGET FORMATION \_\_\_\_\_ ESTIMATED DEPTH \_\_\_\_\_  
 WELL OPERATOR CITIES SERVICE CO. DESIGNATED AGENT SAM J. MATTHEWS  
 ADDRESS PO BX 873 ADDRESS PO BX 873  
CHARLESTON, WV 25323 CHARLESTON WV 2532

GN. 16

NAME E. H. Jones #1

N. E.

CASING AND TUBING

PACKERS

GAS, WATER AND OIL RECORD

SIZE	PUT IN WELL	PULLED	CASING FT.	SIZE	MAKE	SET AT	LIQUID OR GAS	DEPTH	FT. RAISED IN HOLE	VOLUME
Conductor			16'		<del>No record</del>		Gas		1270'	
10" Casing			110		Anchor packer 2061		Gas		1579 - 1588	
8 1/2" Casing			720				Gas		2253 - 2259	
6 5/8" Casing			1488				Gas		2253 - 2258	

Tubed with 2" Tubing see record. record below

CENTERPOINT-3-SW  
Doddridge Co. 2122  
no E log

RECORD OF SHOT

DATE SHOT	FROM	TO	SAND	TYPE OF EXPLOSIVE	QUANTITY	PRODUCTION BEFORE SHOT	PRODUCTION AFTER SHOT
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Not shot

YEAR	DEPLETION CALCULATION	GRAPHIC LOG	FROM	TO	THICKNESS	FORMATION
	Recond. 3-20-58 to 4-9-58	---				
	Before recond. tubing 5M - B. H 18M	100'	Conductor		16	
	1 hour on tubing 20# - 24 hours B. H	200'	Water		60	
	115#	---	10" Casing		110	
	Pulled 1863'9" of 2-3/8" tubing-left	300'	Coal		125	
	409' and packer set at 2061' in hole, also	---	Coal		230	
	100' of old liner.	400'	Coal		460	
		---	Hard Sand		683 to 697	
	Ran 1631' of 2-3/8" 4.6# tubing-	500'	8 1/2" Casing		720	
	1 Parmaco Special Gas Anchor packer	---	Dunkard Sand		745 to 892	
	w/ swabbing attachments-btm. joint	600'	Sand		1000 1030	
	perforated - 1 Parmaco stuffing box	---	Sand		1060 1140	
	casing head 2"x7" O. D.	700'	Sand		1245 1285	
		---	Gas		1270	
	Fished out old tubing. Plugged back to	800'	Hard Sand		1384 to 1414	
	Bottom of Big Injun Sand-Birdwell survey	---	Little Lime		1440 1460	
	showed gas 1590-94' bottom of Injun	900'	Pencil Cave		1460 1463	
	Sand 1600'.	---	Blue Monday		1463 1488	
		1000'	6 5/8" Casing		1488	
	3-31 Ran tubing and set packer at 1540'	---	Big Line		1488 to 1566	
	Injun gas gauged 14,900 cu. ft. -1 hour	1100'	Big Injun		1566 1600	
	pickup 55# - 18 hours 210#. Braden	---	Gas		1579 1588	
	head gas 3MCF.	1200'	Sand		1608 1658	
		---	Sand		1810 1848	
	4-1-58 Fractured with 2,000 gallons	1300'	Sand		1866 1908	
	kerosene. Maximum break down pressure	---	Gordon Stray		2229 2239	
	1900# - 10 gal. Morflo, 60 bbls. crude	1400'	Gas		2253 2259	
	kerosene, 300# Nuogel mixed with	---	Slate		2259 2247	
	kerosene. Maximum pressure 1800#-	1500'	Gordon Sand		2247 2258	
	minimum 1100#. Flushed with 3,050	---	Gas		2253 2258	
	gallons-injection rate 339 gpm. -used	1600'	Slate		2258 2269	
	2,500# sand.	---				
		1700'	Total depth		2275'	
	4-2-58 opened well-would not flow.	---				
	Swabbed down to packer-very little gas	1800'	100 ft. 5 3/16" liner.			
	Swabbed all day-gas gauged 8/10 W. 2"	---				
	119 MCF - recovered 35 bbls. -shut in	1900'				
	2 hours 230#.	---				
		2000'				
	4-3-58 too much oil to gauge gas. Pulled	---				
	tubing and found 12' of sand in hole.	2100'				
	Cleaned out to total depth-	---				
	gas gauged 49/10 W. 2" 295 MCF	2200'				
		---				
	4-9 Re-ran tubing and packer. Gas gauged	2300'				
	29/10 W 2" 227MCF	---				
	4-10 shut in - final open flow 227M	2400'				
	turned into line 4-13-58	---				
		2500'				
		---				
		2600'				
		---				
		2700'				
		---				
		2800'				
		---				
		2900'				
		---				
		3000'				
		---				
		3100'				
		---				
		3200'				
		---				
		3300'				
		---				
		3400'				

*Dodd 45B-A*

*Prod. Sheet in front of book*

CODE No. G. W. 16 NAME E. B. Jones well #1. LEASE No. C-174  
 COUNTY Doddridge  
 WATERS YEARS  
 COMMENCED Jan. 25, 1909 COMPLETED March 16, 1909  
 DATE SPUDDED DATE SHUT IN  
 RIG Contractor - R. E. L. Frymire  
 DRILLERS  
 W. O. NO. I. R. NO.  
 COST COMPLETE \$ Set up at 1994.00  
 COST PER FOOT \$ .88  
 DATE CONNECTED  
 DATE PLUGGED DATE AB'D.  
 TOTAL DEPTH 2273'  
 C. H. ELEVATION 792' HOW OBTAINED  
 Producing Sand - Gordon.

RECORD OF WELL USE

DISTRICT Smithburg 2-DL-4 N. 291.41 E. 325.9

DATE	LINE PRES.	MINUTES						TIME SHUT IN	ROCK	VOLUME	SAND	REMARKS			
		1	2	3	4	5	10								
7-1-22	22							20	55	54	60	8	63	67,392	
12-31-22	25							21	32	56		2	65	67,392	
6-28-19	1							55	65	80	87	2	87	115,968	
1-1-20	5							50	65	84	85	2	85	115,968	
1-31-20	1							29	45	73		2	90	105,792	
6-30-20												1	110		
6-30-20	75							34	45	71	75	2	75	115,968	
1-21-21								15	22	45		2	75	67,392	
6-30-21	20							33	51	74	80	2	83	134,400	
12-31-21	47							30	51	75	81	2	82	134,400	
6-30-22	18							12	26	48		1	54	67,392	
6-30-23	18							00	10	35		1	55	37,680	Braden Head
12-20-23	19							58	55	79	85	1	85	126,240	
12-23-23	19							8	16	46	80	1	80	67,392	Injun Sand
3-30-24	60							30	40	60				63,040	
1-1-25	4							6	12	34		1	63	48,000	
12-1-24	4							4	8	20		1	32	67,392	
7-1-25	4							9	18	50		1	67	48,000	
12-31-25	4							4	9	26		1	48	67,392	
6-1-26	2 1/2							0	0	2 1/2		1	4	12,000	
6-1-26	2 1/2							7	13	33		1	58	48,000	
12-31-26	3							20	37	43	45	1	45	48,000	
6-30-27	3							22	38	40	44			48,000	
12-31-27	7							10	15	32		1	50	44,040	
6-30-28	3							2	5	13	19	1	19	16,848	
4-30-28	3							3	12	33	34	1	54	33,600	Braden Head

DATE	LINE PRES.	MINUTES						TIME SHUT IN	ROCK	VOLUME	SAND	REMARKS			
		1	2	3	4	5	10								
12-31-28	5							1	5			1	10	16,848	
12-31-28	5							7	12	28		1	54	37,680	Braden Head
6-15-29	3							0	10	35	48			16,848	
6-15-29	3							7	10	32	48			33,600	Braden Head
12-1-29	5							6	10	26	50			37,680	
6-30-30	2							6	12	25	43			37,680	
12-1-30	4							23	29	34	38			37,680	
6-30-31								27	33	43				37,680	
12-30-31	6							18	25	34		1	40	42,240	Shut in
6- -32	4							18	33	44	47			37,680	
12-31-32	13	0	0	2	4	6	10	26	50					31,560	
6- -33	26	4	5	6	7	8	13	32	62					28,992	B.I.&Gdn.
12-1-33	4	0	0	0	0	2	8	26	50					28,992	" "
6-1-34	4	6	10	12	14	17	28	44	50					28,992	" "
12-1-34	4	0	0	0	0	4	24	46						26,448	" " BLOWN 1/2 HR
6-15-34	4	0	2	4	6	11	30	50						33,600	" " 1/2 HR
12-15-35	4	0	0	0	4	8	25	50						28,992	" " 1/2 "
6-25-36	3			2	4	6	10	26	46					28,992	" " 1/2 "
12-15-36	2		2	4	5	6	8	22	38					26,448	" " 1/2 "
6-15-37	3		2	4	6	10	16	39	40					16,848	" " 1/2 "
12-1-37	7		2	4	6	10	16	32	42					23,640	" " 1/2 "
6-1-38	5	2	4	6	7	12	20	40	46					16,848	" " 1/2 "
12-1-38	3			2	2	4	20	40						14,900	" " 1/2 "
6-1-39	5				2	5	8	20	40					15,900	" " 1/2 "
12-1-39	4					4	8	20	42					14,900	" " 1/2 "
6-1-40	4					4	7	24	42					14,900	" " 1/2 "
12-1-40	3	2	4	6	8	10	16	32	40					10,530	" " 1/2 "
6-1-41	3					4	22	42						10,530	" " 1/2 "
12-1-41	6					4	6	21	40					14,900	" " 1/2 "
6-1-42	5					4	8	24	42					14,900	" " 1/2 "
12-1-42	5		3	6	8	10	21	36	46					25,830	" " 1/2 "
6-1-43	4					4	10	24	40					18,260	" " 1/2 "
12-1-43	4					4	8	24	40					18,260	" " 1/2 "
6-1-44	3					4	8	20	28					18,260	" " 1/2 "
12-1-44	5							4	8					14,900	" " 1/2 "
6-1-45	4					2	10	18						14,900	" " 1/2 "
12-1-45	4							4	8					18,260	" " 1/2 "
6-1-46	2					2	6	11	23					10,530	" " 1/2 "
12-1-46	4					2	8	14	26					10,530	" " 1/2 "

COLUMBIAN CARBON COMPANY

RECORD OF FACTORY WELL E. B. JONES

Contractor R. E. L. Frymire  
Commenced Jan. 25, 1909  
Completed March 16, 1909  
Total Depth 2273 ft.  
Producing gas from

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<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>
Conductor	16	
Water	60	
10" Casing	110	
Coal	125	
Coal	230	
Coal	280	
Hard Sand	697	697
8 $\frac{1}{2}$ " Casing	720	892
Dunkard Sand	725	892
Sand	1030	1030
Sand	1090	1140
Sand	1215	1285
Gas	1270	
Hard Sand	1414	1414
Little Lime	1420	1460
Pencil Cave	1460	1468
Blue Monday	1463	1488
6-5/8" Casing	1466	
Big Lime	1488	1566
Big Injun	1566	1600
Gas	1579	1586
Sand	1710	1846
Sand	1866	1908
Gordon Stray	2229	2239
Gas	2253	2239
Slate	2239	2247
Gordon Sand	2247	2258
Gas	2253	2256
Slate	2258	2269
Total Depth	2273	

100 ft. 5-3/16" Liner

Tubed with 2" tubing.

017-2122