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	(SURE)
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CONVERT TO SWD	CERTIFICATE
NEW LOCATION f. the undersigned, hereby certify the	nat this map is correct to the best of my knowledge and belief and
RECONDITION Shows all the information required by	paragraph 6 of the rules and regulations of the oil and gas section
ORILL DEEPER of the mining laws of West Virginia." Minimum degree of accuracy is one p	
ABANDONMENT'	Signed Donald & Bay has = 247
COMPANY CITIES SERVICE OIL COMPANY	
ADDRESS BOX 873 CHARLESTON, W.VA.	STATE OF WEST VIRGINIA
FARM S.T. SHERWOOD	DEPARTMENT OF MINES OIL AND GAS DIVISION
MAPACRES 162 LEASE NO CFWV 39	CHARLESTON
WELL (FARM) NO. 3 SERIAL NO GW-27	WELL LOCATION MAP
3/6	
QUANDRANGLE THE SMITH BURG; Center point 15' COUNTY DODORIOGE DISTRICT NEW MILTON	FILE NO. DOD - 1793
	+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC
POINT OF PROVEN ELEVATION	
FILE NO DRAWING NO	MAPS SCALE 1 TO 24,000 LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN $47-017$
FILE NO DRAWING NO _W · 7 - 75 DATE _OCTOBER 8, 1975 SCALE _/"= 1320'	DENUTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING
Marie Harris A. T.	The state of the s

Smithton-Flint-Sedalia (99)



STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

Oil and Gas Division WELL RECORD 3

OIL & GASAN AND DEFT. OF NIME

Rotary Cable X Gas X Recycling Character Flore Cable AVD

Feet _

Quadrangle Smithburg

Permit No. DODD-1793

(OVER)

Coal was encountered at Fresh water 57', 640'

190'-195'

			A	*
Company Cities Service Company Address Box 873, Charleston, WV 25323 Farm S. T. Sherwood Acres 162	Casing and Tubing	Used in Drilling	Left in Well -	Cement fill up Cu. ft. (Sks.)
Location (waters) Meathouse Fork Well No. West Union County Doddridge	Size 20-16 *** Cond.	16'	16'	
The surface of tract is owned in fee by Robert Gabbert, West Union, W. Va.	13-10" 9 5/8		***	
Address	8 5/8		1000	
Mineral rights are owned by S. T. Sherwood Heirs	-7 6-5/8°°	1436'	1436' 💃	
Address	5 1/2			
Drilling Commenced 5-25-76	4 1/2 11.16#	N-80 1609'	1609'	33 Sx RFC Cement
Drilling Completed 9-13-76	3			
Initial open flow cu. ft bbls.	2-3/8"	1563	1563	
Final production $\frac{57}{144}$ cu. ft. per day $\frac{0}{81\#}$ bbls. Well open $\frac{144}{144}$ hrs. before test $\frac{81}{144}$ RP.	Liners Used Packer Set			@ 1446'
Well treatment details: salt water disposal	Attach copy of c	ementing recor	d.	
Convert gas weil to SWD (5-25-76) Cement	I bbl. 6% gel	, 250 gal.	mud aci	d (6 bbls.) 33 🛝
RFC Cement (12 bbls.) Flush with 500 gal.	. 10% acid wit	h 4 gal. i	nhibitor	cement density
14.2#/gal. Displacing pressure 200# Bumpe	ed plug with l	L000# Ran M	lcCulloug	h cement bond log
to 1600'. Top of cement at 1163' (446 fil	llup) cement b	ond pipe t	o cement	bond fair to

ducing Sand Big Injun			1526-1620	Feet
Formation Color Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Coal	190	195	F. Water 57'	
Little Dunkard Sand	639	655	F. Water 640'	
Big Dunkard Sand	726	787		
lst Salt Sand	940	1006		
2nd Salt Sand	1069	1086		
3rd Salt Sand	1113	1148		
Red Rock	1383	1395		
Little Lime	1400	1430		
Pencil Cave	1430	1438		
Blue Monday	1438	1468		
Big Lime	1 468	1529		Gas
Big Injun	1526	1620	1620 PBTD	Gas

good; cement to formation bond indicator. Perf 1590-1560'; 1550-1538'

Feet

Feet

Salt Water_

(over)

^{*} Indicates Electric Log tops in the remarks section.

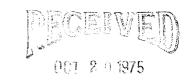
							MINISTER STREET, F.
rmation Colo	r Hard	l or Soft	Top Feet 3	Bottom Feet	Oil, Gas or Water	* Remarks	
Treated Big Sand in 22, Max. treati in pressure No pressure Log indicat	Injun 050 gal ng pres increa increa es top	Perfs 153 . fluid. I sure 2000 sed from sed TL&T to bottom	8-90'. Displ lush with 3 # Avg. 1650# 1600 to 1700 605 bbls. on perfs open.	aced 500 gal 0 bbls. sand AIR 31 B/M #. Dropped 1 vac 7 min. Breakdown p	concentration dropped 10 perion perf balls at after shut down	Frac with 22,0 1/4 to 2-1/4# p balls at 250 b 315 bbls. in, n. Ran GR log to Pump 1500 gal. 2	oer gal obls. at 170 o 1590'
Ran 50 jts 3' below to of fluid in 6-10-76	p of Bi hole.	g Injun. Swabbing	Perfs and 26	offbottom.	Perf tubing j	Tubing is at 1516' to 1547 Volume 37 MCFD	1563' ', 800'
Packing hel 6/11-13/76	d.				d 25 gal. S.I.		
6-29-76 Pressure bu	ildup l line l	44 hrs. 8 1 a.m. 6-	l# SIPSIG 30-76 stabil			ill drop from re	eport
9-13-76	•			ate Inspecto	r		
•							
		·					
				·			
				1			

Date December 16, 19 77
Cities Service Company
APPROVED Sam J. Matthews

By Region Production Manager
(Title)







DEPARTMENT OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

•	DATE OR COLOR 20	975
Surface Owner Robert Cabbert	Company_Cities Service	e Cil Company
Address West Union, W. Vo.		-
Mineral Owner S. T. Sherwood Heirs		
Address	Location (waters)	se Fork
Coal Owner Not Leased	Well No3	Elevation
Address	District West Union	County
Coal Operator	Quadrangle Saithbura	
Address		
THIS PERMIT MUST BE POSTED AT THE WELL SITE		
'All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved	CONVERSION TO PROD	DUCTION_BRINE_WELL
for <u>conversion</u> . This permit shall expire if		
operations have not commenced by 2-21-75		
Theut Block INSPEC	TOR TO BE NOTIFIED Paul	Garrett
Deputy Director - Oil & Gas Division DH. 62	22-3871 ADDRESS Clark	sburg. W. Va.
GENTLEMEN:	ADDRESS ADDRESS	
	said well on the above named form or tract of l	production brine
title thereto, (or as the case may be) under grant or least		Coll and the stand has been a standard and the standard of the
Sherwood Heirs made to Cities Service 01		
made to	Faild recorded on the	
10 in County Book	•	· ·
19, in County, Book	Page	
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NEW WELLDRILL DEEPEROIL AND GAS WELL ORIGINALLY DRIL	PageREDRILLF	
NEW WELLDRILL DEEPER _	PageF REDRILLF LED BEFORE JUNE 5, 1969.	FRACTURE OR STIMULATE
NEW WELLDRILL DEEPEROIL AND GAS WELL ORIGINALLY DRIL Convert for disposal of Production Brine The enclosed plat was prepared by a registered engine	Page FEDRILL FEDRILL FEDRILL FEDRICAL FEDRE JUNE 5, 1969. The property of the pr	FRACTURE OR STIMULATE I coal owners and/or operator wish to make, or are require
NEW WELL	Page REDRILL F LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all by notified that any objection they for filed with the Department of Min by registered mail, or delivered to the day day	FRACTURE OR STIMULATE I coal owners and/or operator wish to make, or are require nes within ten (10) days. * the above named coal operator before, or on th
NEW WELL	Page REDRILL F LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all by notified that any objection they for filed with the Department of Min by registered mail, or delivered to the day day	FRACTURE OR STIMULATE I coal owners and/or operator wish to make, or are require nes within ten (10) days. * the above named coal operator before, or on th West Virginia.
NEW WELL	REDRILL REDRILL F LED BEFORE JUNE 5, 1969. F Ser or licensed land surveyor and all surveyor and all surveyor and all surveyor filed with the Department of Mine surveyor filed with the Department of Mines at Charleston, very truly yours, CITIES 321	FRACTURE OR STIMULATE I coal owners and/or operator wish to make, or are require nes within ten (10) days. * the above named coal operator before, or on th West Virginia.
OIL AND GAS WELL ORIGINALLY DRIL Convert for disposal of Production Brine The enclosed plat was prepared by a registered engine have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the SE SUBMIT COPIES OF ALL HYSICAL LOGS DIRECTLY TO:	REDRILL REDRILL F LED BEFORE JUNE 5, 1969. The provided that any objection they for filed with the Department of Mine day Department of Mines at Charleston, Very truly yours, CITIES 321 (Sign Name)	FRACTURE OR STIMULATE I coal owners and/or operator wish to make, or are require nes within ten (10) days. * the above named coal operator before, or on the West Virginia.
NEW WELL	REDRILL REDRILL BEFORE JUNE 5, 1969. The provided that any objection they for filed with the Department of Mines at Charleston, when the provided with the Department of Mines at Charleston, when the provided with the Department of Mines at Charleston, when the provided with the Department of Mines at Charleston, when the provided with the Department of Mines at Charleston, when the provided with the Department of Mines at Charleston, when the provided with the Department of Mines at Charleston, when the provided with the Department of Mines at Charleston, when the provided with the Department of Mines at Charleston, when the provided with the Department of Mines at Charleston, when the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston, which is the provided with the Department of Mines at Charleston wi	FRACTURE OR STIMULATE I coal owners and/or operator wish to make, or are required ness within ten (10) days. * the above named coal operator before, or on the West Virginia.
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OIL AND GAS WELL ORIGINALLY DRIL Convert for disposal of Production Brine The enclosed plat was prepared by a registered engine have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the SE SUBMIT COPIES OF ALL HYSICAL LOGS DIRECTLY TO: Virginia Geological and Economic Survey Box 879 antown, W. Va. 26505	REDRILL REDRILL BEFORE JUNE 5, 1969. The provided that any objection they for filed with the Department of Mine day Department of Mines at Charleston, Very truly yours, CITIES 322 (Sign Name) Well On the provided that any objection they or filed with the Department of Mines at Charleston, Wery truly yours, CITIES 322 On the provided that any objection they or filed with the Department of Mines at Charleston, Very truly yours, CITIES 322 On the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed that any objection they object	rest virginia.
OIL AND GAS WELL ORIGINALLY DRIL Convert for disposal of Production Brine The enclosed plat was prepared by a registered engine have been notified as of the above date. The above named coal owners and/or operator are here to make by Section 3 of the Code, must be received by, Copies of this notice and the enclosed plat were mailed or coal owners at their above shown respective address same day with the mailing or delivery of this copy to the SE SUBMIT COPIES OF ALL HYSICAL LOGS DIRECTLY TO: Virginia Geological and Economic Survey Box 879 antown, W. Va. 26505	REDRILL REDRILL BEFORE JUNE 5, 1969. The provided that any objection they for filed with the Department of Mine day Department of Mines at Charleston, Very truly yours, CITIES 322 (Sign Name) Well On the provided that any objection they or filed with the Department of Mines at Charleston, Wery truly yours, CITIES 322 On the provided that any objection they or filed with the Department of Mines at Charleston, Very truly yours, CITIES 322 On the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed with the Department of Mines at Charleston, Street, Company of the provided that any objection they or filed that any objection they object	reacture or stimulated coal owners and/or operators wish to make, or are requires within ten (10) days. * the above named coal operators before, or on the west Virginia. RVICE OIL COMPANY Derators and the second coal operators are second coal operators.
NEW WELL	REDRILL LED BEFORE JUNE 5, 1969. er or licensed land surveyor and all by notified that any objection they or filed with the Department of Mine day Department of Mines at Charleston, Very truly yours, CITIES 322 City or Telegraph	reacture or stimulated coal owners and/or operators wish to make, or are requires within ten (10) days. * the above named coal operators before, or on the west Virginia. RVICE OIL COMPANY Derators and the second coal operators are second coal operators.

*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

DODD-1793

_PERMIT NUMBER

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER	Production Brine Well TO DRILL	DEEPEN	FRACTURE-STIMULATE										
DRILLING CONTRACTOR:		RESPONSIBLE AGE											
NAME */A		NAME Sam J. Matthews											
***			3, Charleston, W. Va. 2532										
			4-8383										
	MPLETED WELL: 1615		CABLE TOOLS										
	ORMATION: Big Lime-Big I												
			ACE DISPOSAL OFFICE										
TYPE OF WELL: OI			AGE DISPOSAL FLOOD OTHER										
TENTATIVE CASING PROGE		NO WAILK	Thoop Official										
CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.										
20 - 161	16'	16'											
13 - 10	-												
9 - 5/8													
8 - 5/8													
d 6-5/8"	1436*	1436'	Top 456' squeesed w/20										
5 ½	****	\$ 10 th 150 th	56 cm 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2										
4 ½ 9.5# J-55	1619'	1019'	Parf Ton										
2 - 3/8 ¹² 4.60		1480'	Perf. Top Perf. Bottom										
Liners			Perf. Top										
Packer set ()		1450'	Perf. Bottom										
IS COAL BEING MINED IN TO DRILL: SUBMIT FIVE (5) COPOOF PLAT. TO DRILL DEEPER OR RED SUBMIT FIVE (5) COPION WELLS DRILLED PRION MUST ALSO BE SUBMIT FOR FRACTURE - STIMULAT OIL AND/OR GAS WELL BOND, PERMANENT PROBLEM OF THE PROBLEM	THE AREA? IES OF OG - 1, \$100.00 PERM ORILL: ES OF OG - 1, SHOWING ORIC OR TO 1929, A PERMANENT OF TTED. E: L ORIGINALLY DRILLED BEFORM LAT AND ORIGINAL WELL RE L ORIGINALLY DRILLED ON A NUMBER, AND PERFORMANCE filed within ninety (90) days of	BY WHOM IT FEE, PERFORMANC INAL PERMIT NUMBER COPY OF THE PLAT A ORE JUNE 5, 1929, FIVE CORD. AND/OR AFTER JUNE 5 E BOND.	E BOND AND PERMANENT COPY R AND PERFORMANCE BOND. ON ND THE ORIGINAL WELL RECORD E (5) COPIES OG - 1, PERFORMANCE , 1929, FIVE COPIES OG - 1, SHOW- ease. Inspector to be notified twenty-										
thereof. WAIVER: I the undersigned, this lease have example the way of the w	Agent for Coal Company	Coal Company, Coaps this proposed well	Owner or Operator of the coal under location. aid well being drilled at this location, and 7, Chapter 22 of the West Virginia										
			Official Title										
			Official Title										

EKTE LPOINT CODE No. G. W. 27 CASING AND TUBING GAS. WATER AND OIL RECORD PUT IN --57 640 Sater 5/8= 1439 Tubed with 2" Tubing. 1535 Gas 1540 Cas 31" and 10" Casting pulled. 2210 2 Million - estimated blew down to RECORD OF SHOT 140 Hg-2" 128 how TYPE OF EXPLOSIVE PRODUCTION PRODUCTION BEFORE SHOT AFTER SHOT 31142 Not shot DEPLETION CALCULATION GRAPHIC Record. 2-5-58 to 3-19-58 Had hole in 7" casing -water 10" Casing drowned out Big Injun Gas.
Gas gauged 11MCF- 3 hr. press
14#. Pulled 2, 29' of 2" tubing. 195 655 Big Dunkerd 726 786 Re-ran 1630'6" of 2-3/8% 4# tubing with Parmaco Special Gas Andrer lat. Salt Sand 940 1006 packer set at 1500'. 2nd. Salt Sand 1069 1113 3086 1148 Cemented hole in 7" at 472' with 200 sacks and at 641' with 25 sacks Red Rock 1383 1395 Little Lime 1430 1434 1400 Fished out tubing - T. D. 2219' Pencil Cave 800 Blue Monday R n Birdwell Survey- bottom of 6 5/8# Casine pipe 1436' - Blue Monday sand 907 1438-1450' Pencil Cave 1450-54'- Big Lime 1454-1478' Gas 1458-62'1007 Big Lime Big Injun 1478-1610' Gas show 1571'. Big Injun 1 56 1 540 1630 Squaw Bridged Gordon off at 2190' filled 1200' to 2170' - dumped 2 sacks cement at 2100' - set upper bridge at 1850 Cents Sand Pensil Cave 2135 2159 2181 Gordon Stray 2193 1689'. Filled to 1595' - 2 sacks C Iceal at 1585'. Gas 2183 1400 Slate 2193 2207 2807 Co 170 00 0 2214 Ran 3 tubing with Baker Packer 2210 set at 1526' would not hold. Reset 2219 at 1500- held O. K. Gas would not gauge in 1". Fractured with 2,000 TOTAL DEPTH 2219 gallons kerosene and 2400# sand. 1700 30 bbls. to breakdown and 30 bbls. to flush. 1800 Pulled tubing and cleaned out. Ran 2-3/8" tubing with packer and 2000 112'6" of 3" anchor. Perforated joint 16' off bottom. 2190 2200 2300 2400 2500 2800

E. 325,41		PENAPES			15				-						(), NW	, T	- ''		- ×		, , , , , , , , , , , , , , , , , , ,	,	-	ڼ	' '	**	,,,	• 1/.	. 1/	/2.	. "	. 7.			•	,
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LEASE NO. C-	RECORD OF WELL USE										20-20 A.			- •		REMARKS			No Vol. through				Broden Read									Breden Head				
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S. T. SDSFWOOD WOLL #9.		COMPLETED JULY 14, 1911	NI E		Iner		2000.00			Ġ		AINED	Condon. + &c. B. I		VOLUME AND PRESSURE TESTS	.	Ro 125 144	34 3			7 89 7 81	3	۶. د	25	X :	23	35 55				12 25	3 S			31 46	2
NAME		COMPLET	DATE SHUT IN		i.i	I. R. NO.				DATE AB'D.		HOW OBTAINED	ordon.		VO		\$	3			2,1	2	οι <u>;</u>	R	۱,۶	~	8,	-			•	• •			25 3	9
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7	Doddri dge	WATERS COMMENCED JUBO 9, 1911			Contractor - J. I. Trainer		` &	90			2219	816.	Producing Sand														•									
,		ceo Ju	DATE SPUDDED				COST COMPLETE \$	COST PER FOOT \$	DATE CONNECTED	DATE PLUGGED	TOTAL DEPTH	C. H. ELEVATION	Pre		LINE	- FEE		20 22			32 32		8 E		-	· ·	^ v	•	2 8	◄ .	, v	· ~	. •	4	ر د	
CODE NO.	COUNTY	WATERS	SP		DRILLERS	W. O. NO.	S	FE	8	PL	u D	E			1	1-1-30	6-20-20	12-31-20	16-30-21	12-71-21	12-31-22	-3-23	6-30-23	12-20-23	5.30-24	12-1-24	12-1-84 7-1-25	7-1-29	12-31-25	6-1-26	12-11-X	12-37-26	6-30-27	6-30-27	12-31-27	12-21-87