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State of Mest Virginia

OIL AND GAS DIVISION WY DEPARTMENT OF MINES

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Date	August	t 9.]	1932				
Date August 9, 1932 Operator's							
Well No12761							
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Farm	A. U.	Gayno	r		-		
APT NO	1.7 -	017	COME:	3085			

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

ADDRESS MAS W. Main St., Clarksburg, WV DESIGNATED AGENT Thomas A. Kuhn ADDRESS MS W. Kain St., Clarksburg, WV SIZE 20-16 ADDRESS MS W. Kain St., Clarksburg, WV SIZE 20-16 ADDRESS Rt. 3. Salem, WV MINERAL RIGHTS CHARE Glenna Gavnor ADDRESS P. 0. Box 23. Lost Greek, WV 26395 OIL AND GAS INSPECTOR FOR THIS WORK Stephen Cassy ADDRESS Mr. 2. Box 232-73 FERRITI ISSUED March 21. 1092 DEFILLING COMMENCED June 18. 1092 DEFILLING COMMENCED June 25. 1092 DEFILLING COMMENCESSION FROM DRILLING OR REMORKING. VERBAL PERMISSION OFFAN DRILLING OR EMPORKING. VERBAL PERMISSION OFFAN DRILLING OR Depth of completed well 5195 feet Rotary X / Cable Tools Water strata depth: Presh215-755 feet; Salt feet Coal seam depths: 130-182 & 758-760 DEEN FLOW DATA Producing formation Benson Pay zone depth 5050-5075 feet Gas: Initial open flow between initial and final tests 1. Hours shut in (If applicable due to multiple completion—) Second producing formation Page (Surface measurement) after 1. hours shut in MSE 2 3. Initial open flow Bb1/6 Final open flow Msf/d Oil: Initial open flow Bb1/6 Final open flow Msf/d Oil: Initial open flow Bb1/6 Final open flow Msf/d Oil: Initial open flow Bb1/6 Final open flow Msf/d Oil: Initial open flow Bb1/6 Final open flow Msf/d Oil: Initial open flow Bb1/6 Final open flow Msf/d Oil: Initial open flow Bb1/6 Final open flow Msf/d Oil: Initial open flow Bb1/6 Final open flow Msf/d Oil: Final open flow Bb1/6 Final open flow Msf/d Oil: Initial open flow Bb1/6 Final open flow Msf/d Oil: Final open flow Bb1/6 Final open flow Scale Rcccccccccccccccccccccccccccccccccccc	WEIL TYPE: Oil / Gas x / Liquid I (If "Gas," Production x / U	injection/ Inderground S	Waste Disposa torage/ Dee	l/ p/ Sha	llow/)
District: Greenbrier County Doddridge Quadrangle Rig Isaac CMPANY Consolidated Gas Suprly Corp. ADDRESS Mis W. Main St., Clarksburg, WV DESIGNATED ACENT Thomas A. Kuhn ADDRESS Mis W. Main St., Clarksburg, WV DESIGNATED ACENT Thomas A. Kuhn ADDRESS Mis W. Main St., Clarksburg, WV Size SURFACE CONNER James Ross ADDRESS Mis W. Main St., Clarksburg, WV Size SURFACE CONNER James Ross ADDRESS Mis W. W. W. 26375 ADDRESS Rt. 3. Salem, WV 26375 ADDRESS P. O. Rox 23, Lost Creek, WV 26375 ADDRESS P. O. Rox 23, Lost Creek, WV 26375 ADDRESS P. O. Rox 23, Lost Creek, WV 26378 FERROTT ISSUED March 2h. 1932 DENILING COMPENCED June 18, 1932 DENIL	LOCATION: Elevation: 1201: Water	shed Big Isa	ac Creek		
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DESIGNATED AGENT Thomas A. Kuhn ADDRESS hts W. Main St. Clarksburg. WV Size 20-16 Cond. ADDRESS Rt. 3. Salem. WV MINERAL RIGHTS OWNER Glenna Cavnor ADDRESS P. 0. Box 23. Lost Creek. WV 26385 OIL AND GAS INSPECTOR FOR THIS WORK Stephen Tassey ADDRESS P. 0. Box 23. Lost Creek. WV 26385 OIL AND GAS INSPECTOR FOR THIS WORK Stephen Tassey ADDRESS Jane Lew. WW 263378 PERMIT ISSUED March 21. 1982 DEPLILING COMMENCED June 18. 1982 DEPLILING COMMENCED June 18. 1982 DEPLILING COMMENCED June 25. 1982 IF APPLICABLE: FLUXGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REMORKING. VERBAL PERMISSION OBTAINED ON CEDIOGICAL TARGET FORMATION Alexander Depth 5190-51.00 fee Depth of completed well 5195 feet Rotary X / Cable Tools Water strata depth: Fresh215-755 feet; Salt feet Coal seam depths: 120-182 & 759-760 Time of open flow 58 Mcf/d Oil: Initial open flow Bbl/c Final open flow 218.6 Mcf/d Final open flow Bbl/c Time of open flow between initial and final tests 2 hours Cays Static rock pressure 1760 psig (surface measurement) after 11 hours shut in (If applicable due to multiple completion-) Second producing formation Pay zone depth feet Gas: Initial open flow 156/d Oil: Initial open flow Bbl/c Time of open flow 156/d Oil: Initial open flow Bbl/c Final open flow 156/d Oil: Initial open flow Bbl/c Time of open flow 156/d Oil: Initial open flow Bbl/c Final open flow 156/d Oil: Initial open flow Bbl/c Final open flow 156/d Oil: Initial open flow Bbl/c Final open flow 156/d Oil: Initial open flow Bbl/c Time of open flow between initial and final tests hours shut in AUG 2 3 1 AUG 2 3 1					
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Time of open flow between initial and final tests 2 hours Static rock pressure 1760 psig(surface measurement) after 11/4 hours shut in (If applicable due to multiple completion) Second producing formation Pay zone depth feet Gas: Initial open flow Laf/d Oil: Initial open flow Bbl/d Final open flow Maf/d Oil: 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 AUG 2 3 16	Final open flow 218.6 M	4cf/d	Final open fl	OW	Bb1/d
Static rock pressure 1760 psig(surface measurement) after 11 hours shut in (If applicable due to multiple completion) Second producing formation Pay zone depth feet Gas: Initial open flow 12f/d Oil: Initial open flow Bbl/d Final open flow Mcf/d Oil: 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 AUG 2 3 second producing formation Pay zone depth feet Feet Gas: Initial open flow Bbl/d Final open flow pen flow between initial and final tests hours					
(If applicable due to multiple completion) Second producing formation Pay zone depth feet Gas: Initial open flow 12f/d Oil: Initial open flow Bbl/d Final open flow Muf/d Oil: 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 AUG 2 3 16	Static rock pressure 1760 psig	(surface meas	urement) after	day	s s-shut in
Second producing formation Pay zone depth feet Gas: Initial open flow 12f/d Oil: Initial open flow Bbl/d Final open flow Mcf/d Oil: 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 AUG 2.3 to	(If applicable due to multiple comp	oletion)			
Gas: Initial open flow			Pay zone depti	h	feet
Final open flow Mcf/d Oil: 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 AUG 2.3 se	Gas: Initial open flow :	æf/d Oil:	Initial open	flow	Bb1/d
Time of open flow between initial and final tests hours Static rock pressure psig(surface measurement) after hours shut in AUG 2.3 s	Final open flow N	wf/d Oil:	Final open flo	OW O	Bbl/d
Static rock pressurepsig(surface measurement) afterhours shut in AUG 2.3 s	Time of open flow between	en initial and	final tests	hou	rs
AUG 2 3 1	Static rock pressurepsig(s	surface measu	rement) after	hour	s shut in
(Continue on reverse side		•			AUG 23 300

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

Well fractured in Benson with 50,000# sand, 800 bbls. of water & 500 gals. 15% HCL Perforations: 5051 - 5063' with 14 holes.

WELL LOG

			REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh and salt water, coal, oil and gas
Shale	0	35	A. C.
Shale & Sand	35	95	,
Red Rock	95	100	
Sand	100	180	
Coal	130	182	
Shale	182	220	Woton 11 street 6 075
Red Rock & Shale	220	250	Water ½" stream @ 215
Sand & Shale	250	270	
Red Rock & Shale	270		
Sand & Shale	375	375	= * · · * · · · · · · · · · · · · · · ·
Red Rock	505	505	5.70
Sand & Shale	545	545	
Red Rock & Shale		650	
Sand & Shale	11111650	670	
Coal	670	758	Water ½" stream @ 755
Sand ·	758	760	
ReddRock & Shale	760	830	
Sand	830	870	
Red Rock & Shale	870	890	-
Sand & Shale	890	1105	
Little Lime	1105	214,5	the state of the s
Blue Monday	- 2145	2155	
Big Lime	2155	2175	
	2175	2275	A Company
Sand & Shale Shale	2275	3080	
Shale & Sand	3080	3270	
Sand	3270	3760	
	3760	4010	
Sand & Shale	4010	5020	
Brown Sand	5020	5030	
Shale	5030	5230 -	
Light Brown Sand	5230	5250	
Shale	5250	5290	•
Oark Shale	5290	5380	MRIED in the quickers in marginal countries and different and the second of the second
Brown Sand OUK	5380	5664	T.D.
KBM 10' above G. L.		-	week of the second of the seco
Bottom hole plugged-off by floa	t shoe set at	5195	
	4		
•			
may be a few and	w	\$	1. The Control of the

(Attach separate sheets as necessary)

Gas Supply Corp

Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including wal, encountered in the drilling of a well." Note:

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

WELL LOG Well No. 12761

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fres and salt water, coal, oil and ga				
Gamma Ray Tops Big Lime Big Injun Gantz Fifty Foot Gordon Stray Gordon Fourth Warren Upper Speechley Speechley Balltown Bradford Riley Benson Total Depth	- 2124 2190 2535 2636 2728 2867 3407 3603 3739 3384 4322 4810 5050	2187 2282 2570 2680 2847 2890 3446 3657 3757 4078 4515 5003 5076 5195					

(Attach separate sheets as necessary)

Consolidated Gas Supply Corp.	
Well Operator	
And the second	
By: A Manager of Production	
Date: August 9. 1982	***************************************
11000 16 1/12/	12

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 that, encountered in the drilling of a well."



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fara 4. U. Garmor	
017 = 3085	•
Data March 23 1982	

OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: OII / Gas X- /	
(If "Gas", Production	n X / Underground storage / Deep / Shallow /
LOCATION: Elevation: 1201:	Watershed: Big Isaac Creek
	County: Doddridge Quadrangle: Big Tsaac
WELL OPERATOR Consolidated Gas Sur	oply Corp. DESIGNATED AGENT Thomas A. Kuhn
Add : 1.15 West Main Street	Address 1/15 W. Main St.
Clarksburg, West Vi	
OIL AND GAS	,
ROYALTY GWNER Glenna Caynor	COAL OPERATOR None Address
Address P. O. Box 23	
Acreage 30	
	COAL OWNER(S) WITH DECLARATION ON RECORD:
SURFACE OWNER James Ross	NAME None
Address Rt. 3	Address
Salem, WV Acreage 21	NAME
	Address
FIELD SALE (IF MADE) TO:	
NAME	COAL LECCEE WITH DECLARATION ON DECOAD
Address	COAL LESSEE WITH DECLARATION ON RECORD:
	Address None
OIL AND GAS INSPECTOR TO BE NOT!	
ALGARG	
NAME Stephen Casey	MAR 2 4 1982
Address Rt. 2, Box 232-D Jane Lew, WV 26378	OIL AND GAS DIVISION
Telephone 881,-71,70	OIL AND GAS DIVISION WV DEPARTMENT OF MINES
	or is entitled to operate for oil or gas purposes at the / lease x / other contract / dated Jan. 1, 1973, from Artie U. Caynor et al .
(If said deed, lease, or other c	
Recorded on April 12, , 1974	, in the office of the Clerk of County Commission of
<u>Doddridge</u> County, West Virequested as follows:	rginia, in 98 Book at page 472. A permit is
PROPOSED WORK: Drill X / D	rill Deeper/ Redrill/ Fracture or stimulate/
Plug off old	formation / Perforate new formation /
Uther physica	l change in well (specify)
planned as	shown on the work order on the reverse side hereof.
	oal owner(s), and coal lessee are hereby notified that any
objection they wish to make or a	re required to make by Code \$22-4-3 must be filed with the
Department of Mines within fifte	en (15) days after receipt of this Application by the Dept
copies of this Permit Application	n and the enclosed plat and reclamation plan have been
er(s), and coal lessees on or be	ivered by hand to the above named coal operator, coal own- fore the day of the mailing or delivery of this Applicatio
to the Department of Mines at Ch	arleston, West Virginia.
PLEASE SUBMIT COPIES OF ALL	
GEOPHYSICAL LOUS DIRECTLY ITO:	Consolidated Con Consolidated
	Consolidated Gas Supply Corp. Well Operator
WEST VIRGINIA OIL AND GAS	
CONSERVATION COMMISSION	By: JE Dayre
1613 WASHINGTON ST., E. CHARLESTON. WV 25311	I try Lot
Telephone - 304/348-3092	Its: Manager of Production

(Revised 3-81)

PROPOSED WORK ORDER

AC	TUAL II	FORMAT	ON MUST			TED ON FO		UPON COMPLET	ION
DRILLING CO	NTRACTO	OR (IF)	(NOWN)	Littl	e Swis	s Drillin	ng Co.	AND THE RESIDENCE OF THE PARTY	
		Ac	ddress	P. O.	Box F			-	
			-	<u>Buckh</u>	annon,	WV 2620	2]		
Approxima Approxima Is coal I	d depth ate wat ate coa being m	n of conter strand in the seam of the seam	npleted ata dept depths:	well_ hs: Unkn	5650 Fresh own	, 120	feet;	ry x / Cab	le tools/ feet.
CASING AND CASING OR	TUBING I		i Dificati	ONS		 FOOTAGE	INTERVALS	CEMENT FILL	PACKER'S
TUBING TYPE			Weight		•	For Dril		UP OR SACKS	IACKERS
<u></u>			per ft		Used	1		Cubic ft.	
Conductor Fresh water		H-710	778	X	-	350	350	To surface	Kinds
Coal		K-55	را2	Y	 	1350	3240	To surface	Sizes
Intermed.	0.3/1	V-55				- پېچوکل	طلولالم	To surface	
Production	1 1/2	K - 55	10.5	Х		5650	5650	250 Sks.	Depths set
Tubing Liners									
Liners					 				Perforations: Top Bottom
No. of the last of				 	 				Unknown at
				1					this time.
822-4- requir 822-4- posed A sepo where	-12b arred by -8a frowell. arate F fracti t and i MUST BE ONS BEN F THE W	nd Regult Code \$2 m the of Form IV- uring or is noted POSTED A	lation 2 22-4-12a nuner of -2 shall r stimul d as suc AT THE WE CORDANC DE, THE LO	3, (if and any not ating h on EWITH EWITH	v) unit (v) i water be red is to the Fo	less previf application well or application of the part or TV-2 application of the part of	iously parable, the dwelling refracture of the wo	consent requirithin 200 fe ing or stimul	ne well, the fee wired by Code eet of the pro- lating a well a permit is
or cod is to The undersig location has area of the signed has n	ned comexaming well loo object	see who sued with all operation to complied larions	thas received in fifteen to the wear to the week of the with a second to the with a second to the with a second to the week to the with a second to the with a second to the week to the with a second to the with a second to the with a second to the week to th	orded teen owr ed we ell lo ork pr	$\frac{\text{W A L}}{\text{mer}}$	claration lays of real $\frac{V}{I} = \frac{R}{R}$ lessee cation. In has been do to be defined.	under Codeceipt the / of If a mine n added tone at the	de \$22-4-20, ereof: the coal und map exists o the mine m is location,	any coal owner if the permit er this well which covers the ap. The underprovided the irginia Code and
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