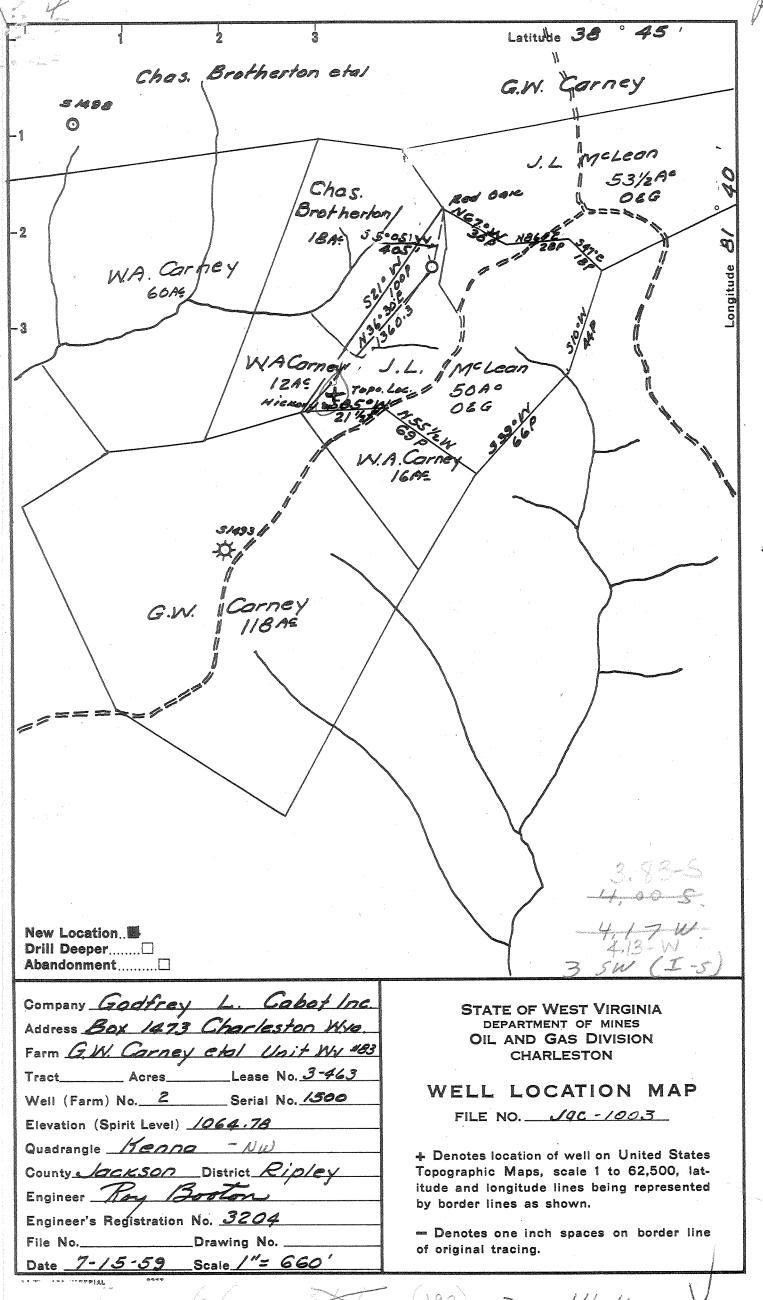


K-E 1SO IMPERIAL POCA (Sissonville) (192)



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75 (19)

DeepWell

MAY 2 0 1980 OIL & GAS DIVISION

T:-35

(Rev 8-61)

DEPT. OF MINES

State of Mest Hirginia Well No.

Operator's 2

Bepariment of Mines

Farm_ G. W. Carney

Gil und Cas Zivision

035 - 1003 FRAC API No. 47 -_

WELL OPERATOR'S REPORT OF

DRILLING,	FRACTURING	AND/OR	STIMULATING,	OR	PHYSICAL	CHANGE

LOCATION: Elevation: 1064.78' Watershed Eighteen Mile Creek District: Ripley County Jackson Quadrangle Kenna 7½'	
District: Ripley County Jackson Quadrangle Kenna 73'	*
WAS NO ALLOWS	the state of the s
	NACAS CONTRACTOR CONTRACTOR
COMPANY Cabot Oil & Gas of W.V.	
ADDRESS P.O. Box 454, Glasgow, W.V. 25086 Casing Used in Left fill	l eè.
DESIGNATED AGENT Robert E. Horrell Tubing Drilling in Well Cu.	
ADDRESS P.O. Box 454, Glasgow, W.V. 25086 Size	
SURFACE OWNER R. L. Bush Cond.	
ADDRESS Rt. 1, Box 263, Given, W.V. 25245 13-10"	
MINERAL RIGHTS OWNER see Attached Sheet 9 5/8	
ADDRESS 8 5/8	
OIL AND GAS INSPECTOR FOR THIS WORK Jerry 7	
Tephabock ADDRESS Rt. 1, Box 101-A Fipley, W.V. 252/1 5 1/2 Squeeze Cemented 4560-	4240'
PERMIT ISSUED 4 1/2	
WORKOVER COMMENCED 5/6/85	ing nippl
	1487 111 1
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Used Used	
GEOLOGICAL TARGET FORMATION Huron Shale Depth 4290 - 4502	_feet
Depth of completed wellPBTD=4545 feet Rotary / Cable Tools	
Water strata depth: Fresh feet; Salt feet	•
Coal seam depths: Is coal being mined in the area	a?
OPEN FLOW DATA	
Producing formation Huron Shale Pay zone depth 4292-4501	
	Bbl/d
4 hr Final open flow 223 Mcf/d Final open flow	_RDT\G
Time of open flow between initial and final tests hours	-landa da
Static rock pressure 725 psig(surface measurement) after 72 hours s	וחת דוו
(If applicable due to multiple completion)	*
Second producing formation Pay zone depth	Jeet 1991
Gas: Initial open flow Mcf/d Oil: Initial open flow	
Final open flow Mcf/d Oil: Final open flow Time of open flow between initial and final tests hours	•

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DETAILS OF PERFCRATED INTEXTALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, EIC. 5/06/85 - MIRU Pool Well Service. Set Baker Model S BP @ 4598'. Dumped 2 sks Cal-seal. Ran Howco 5 1/2" cmt retainer to 4545'. R/U Dowell, squeezed 5 1/2" w/100 sks 50/50 poz. 10% salt & friction reducer. TOC 4240' 100% bond. Perf Huron shale 4292', 4309', 4311', 4330', 4337', 4379', 4391', 4408', 4412', 4420', 4426', 4432', 4440', 4454', 4467', 4472', 4493', & 4501', (18 holes). Ran Howco RITS pkr on 2 7/8" EUE tbg. R/U Dowell, pumped 500 gal 15% HCL. BD Huron @ 3350 psi & pumped 1,000,000 Scf/N2 @ 28,000 Scf/min. ATP 3400 psi. ISIP 1550 psi. Pumped 4000 gal foam pad, treated w/30,000# 20/50 sand, max 1 1/2#/gal, 1.5 BPM H2O, 9000 Scf/min N2. AIR 15 BPM 90 Q foam. ATP 3100 psi, TF 64 bbls, SL 55 bbls, 400,000 Scf/N2. ISIP 1750 psi, 15 min 1600 psi, released thru 1/8" choke. POOH w/2 7/8" EUE tbg & RITS pkr. Ran 133 jts 1 1/2" lORD tbg, seating nipple @ 4487' & perf'd jt. Total tbg 4516'. Tested 5/16/85. SICP & SITP 725 psi (Shale). 4 hr O/F. 28/10 H2O thru 2", 223 Mcf/d.

WELL LOG

		WE					
FORMATION COLOR HARD OR S	soft	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas			
Plugged back Oriskany	e generalisa este este este este este este este es	PBID	4545				
See attached original well record.				•			
•		•					
•							
3							

(Attach separate sheets as necessary)

14, 14	Cabot	Oil & Gas	of W.V.		
Well	Operator				
By:	Robert	EHO	nell		
Date:	May 20,	1985			\$
dissentine and s		The state of the s	- ,	• •	7%

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."



STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION 4

KENNA Quadrangle -WELL RECORD JAC-1003 GAS Permit No ... Oil or Gas Well_ Godfrey L. Cabot, Inc. Company. Casing and Tubing Used in Drilling Left in Well Packers Charleston, W. Va. Address G. W. Carney Unit Size Location (waters)_ 2, Serial 1500 Elev. 1065 19 19 Kind of Packer_ 8 5/8" B.H. Packer Ripley __County_ Jackson 313 The surface of tract is owned XXXX by C.H.Brotherton 1108 1108 XICKNEE Address Given, W. Va. 7" B.H. Packer 1884 1426 Mineral rights are owned by J.L.McLean Hrs. 2384 2384 Depth set _Address Charleston, W. Va. 1<u>710 Kanawha Blvd.,E</u> 5216 5216 November 11, 1959 Drilling commenced_ Perf. top_ March 4, 1960 Drilling completed___ Perf. bottom_ Date Shot_ Liners Used. Perf. top_ With_ Perf. bottom_ /10ths Water in_ Inch Open Flow ./10ths Merc. in_ CASING CEMENTED 52" Inch SIZE 300 No. Ft _Cu. Ft. Volume_ Rock Pressure. _hrs. COAL WAS ENCOUNTERED AT_ FEET INCHES bbls., 1st 24 hrs. _ FEET___INCHES_ FEET. WELL ACIDIZED. FEET FEET. _INCHES_ INCHES WELL FRACTURED 3-15-60 with 14,000 gallons of water and 25,000# of sand.

RESULT AFTER TREATMENT Produced 400 Mcf against 80# line pressure.

ROCK PRESSURE AFTER TREATMENT

Fresh Water		Feet		Salt Water		Feet	
Formation	Color	Hard or Soft	Тор	Bottom	Oil, Gas or Water	Depth	Remarks
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and			30 50	50		5	
ed Rock			50	145			
and		!	145	160		1	
ed Rock		1 1	160	205			
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ed Rock			265	285			
and			285	314			
ed Rock			314	362			
ınd	-		362	383	Bern -	ABINESI A	
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nale			740	771			
	26.60		771	790			
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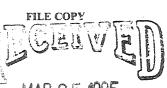
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1/10.9

Formation	Color	Hard or Soft	Top 4	Bottom	Oil, Gas or Water	Depth Found	Remarks
			من سام من	and love on			
Shale Sand			1535 1545	1545 1668	et despetitous de la estada de la constitución de la constitución de la constitución de la constitución de la c	and the annual constant solves	a dispersion and commence of the control of the con
Lime			1668	1684			
Shale Shale	Brown		1684	1726		:	
Shale	Brown		1726 1775	1775 1878	-		
SALT SAND			1878	2091	Water	1898	Hole full.
BIG LIME INJUN		:	2091 2289	2289 2384	·	<u>.</u>	
Slate & Shell			2384	2747			
BEREA		:	2747	2759	Gas	2753	Show only.
Slate & Shell Shale	Brown 44		3960	3960 3997	Gas	3459	Show.
Slate & Shell	•		3997	4233			
Shale Slate & Shell	Brown		և233 14 3 47	4347 4362		1 2	
Shale Shell	Brown		4362	4535	Gas	4420-30	15 Mcf
Slate & Shell	}	anage I	4535	4940		- Andreaded-Andreaded-Andreaded-Andreaded-Andreaded-Andreaded-Andreaded-Andreaded-Andreaded-Andreaded-Andreade	
Shale CORNIFEROUS	Brown		11940 5158	5158 5251			
ORISKANY	- jiệ sata, wates		5251	5278	Gas	5262-84	9 Mcf
Lime Sand	l Antonia		5278	5279 5302	·		1 - 76
Sand Lime	S. A. C. C.	- ·	5279 5302	5302			
TOTAL DEPTH				5303	CEMENTED B	ACK TO 5286	
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	Partir Partir de la compa				entrus value en resultino.		de de 18 de 20 augusto de 18 agusto de 18 agusto de 18. Esta de 18
				n engose	n.c.	vr 97	19 60
					DatePla	y 27	19_00

Date May 27 , 19 60 APPROVED GODFREY L. CABOT, INC. , Owner

By H.J. Simmons, Jr. (Title) Gen. Supt.





1)	Date:	Mar	<u>ch</u>	21	 1985
2)	Operator's				

G.W. Carney #2 Well No._

035 3) API Well No. County State Permit

MAR 25 1985

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

	OIL & G	AS DIV	ISION	AF	PLICAT	TION FOR A WEL	L WORK PERMIT			
4) WELLTYP				5 x	,					
4) WELE-PFF	E A OI	"Gae" P	roduction	S—	/	/ Linderground s	storage	/ Deep	/ Shallow	/)
5) LOCATION	ıı. V: Elev	ation:	1064	.781		Watershed:		Mile Creek		
by Ecchilor	Dist	rict:	Ripley			County	Jackson	Quadrangle	Kenna 7½'	
6) WELL OPE						of WV	7) DESIGNATED	AGENT Robert	E. Horrell	
Address		Box 6				8150	Address	P.O. Box 62	.8	
						<u>25</u> 322		<u>Charleston</u> ,	West Virgi	<u>nia 25</u> 32
8) OIL & GAS					3		9) DRILLING CO			
NameJe	erry Te	<u>ephaboo</u>	ck				Name UNKNO	DWN		
Address		ite 1.					Address			
	Rip	oley, l	<u>NV 25</u>	<u> 271 </u>						
10) PROPOSEI	D WELL V	VORK:	Drill		_/ Drill	deeper	/ Redrill	/ Stimulate	_X/	
,			Plug of	f old f	ormation	/ Perfor	ate new formation_	X X X X X		
			Other pl	hysical	change i	n well (specify)	PLUG BACK OR	12KANA		
11) GEOLOGI	CAL TARG	GET FORM	MATION,		HUKUN	2HALE				
12) Estima	ted depth o	f complete	ed well,	PBTD	<u>4540</u>	feet			•	
13) Approx	ximate trata	a depths:	Fresh,		NR_	feet; salt)			
14) Approx	ximate coal	seam dept	hs:		_NR	Is co	al being mined in the	area? Yes	/ No	
15) CASING A	ND TUBII	NG PROC	RAM	WORK	OVER					
CASING OR		SPECI	FICATIONS	5		FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS	PACKERS	
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	(Cubic feet)		
Conductor	16		65			EXISTING	19'		Kinds	
Fresh water	13		48			313				
Coal	10		32.75			EXISTING	1108'	ON SHOE	Sizes	
Intermediate	88		24			EXISTING	1884'	ON PACKER		
Production_	7		28			EXISTING	2384	000	Depths set	
Twins Prod.	5-1/2		17			EXISTING	5216	300		
Liners							45001		Perforations:	
Tubing	1-1/2		2.75	X		PROPOSED	4500'	-	Тор	Bottom
							ļ			HANCEMAN TO THE REAL PROPERTY OF THE PARTY O
				<u> </u>		<u> </u>				
(1) Set br	idge p	lug @	4650'	and	2 sks	. cal seal	E 7/01 oc	~ 4EEO 4100	8	
<u>(2) Set ce</u>	<u>ment r</u>	<u>etaine</u>	r @ 45	540°	and s	queeze ceme	nt 5-1/2" cs	g. 4560-4100	•	
						OFFICE USE		· · · · · · · · · · · · · · · · · · ·		
						DRILLING PI	LKMII			٥٣
Permit number_	47-035	-1003 ~	Frac					April 23		1985
								Da	te	
This permit cove	ering the we	ell operato	or and wel	ll locati	on show	n below is evidence	of permission grant	ed to drill in accorda	nce with the pertin	ent legal re-
quirements subje	ect to the co	onditions of	contained	herein	and on the	he reverse hereof. N	otification must be g	iven to the District Oirell operator or his con	il and Gas Inspecto	r, (Refer to
No. 8) Prior to the	ne construc as inspecto	riion or roi	aus, iocau s before a	ctual p	rmitted	work has commence	ed.)	en operator or mis co.	and detail shall make	, proper
							*	to any modifications a	and conditions spec	ified on the
reverse hereof.	ork is as ut	escribed iii	me none	e and i	тррисан	on, piat, and recian	iation plan, subject	o any mounications	ine conditions spec	
Permit expires _	April	23 19	87			unless we	ll work is commenced	l prior to that date and	d prosecuted with d	ue diligence.
·										
Dd.	A		Diet	Casi	20	Fee				
Bond:	Agen	1.	Plat:	Casi	ng .	1850	5 00		- 1	
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Bernand Control of Con			,				1 1 /W	rgarete	1. HU	ISC_
							Adm	inistrator, Office of	Oil and Gas	
NOTE: Keep o	ne copy of	this perm	it posted	at the	drilling lo	ocation.	/			

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File