





IV-35 (Rev 8-81)



Gil und Cas Bivision

State of Mest Airginia Bepartment of Mines NOV 2 1 1983

Date November 17. Operator's Well No. 20779

FarmEugene C. Jack, Sr. API No. 47 - 069 **_**0038

069.0038

OIL & GAS DIVISION

DEPT. OF MINESELL OPERATOR'S REPORT

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas x / Liquid Injectio (If "Gas," Production X / Undergro	n/ Wast und Storag	e Disposa e/ Dee	1/ p/ Sha	illow/)
LOCATION: Elevation: 1300 Watershed !	Marlow Run	1		
District: Triadelphia County Ohio	0	Quadrangl	e Valley	Grove
			•	
COMPANY Columbia Gas Transmission Corp.		•		
ADDRESS P. O. Box 1273, Charleston, WV	Casing	Used in	Left	Cement
DESIGNATED AGENT J. W. Weekley	Tubing	Drilling		fill up Cu. ft.
ADDRESS P. O. Box 1273, Charleston, WV	Size			1
SURFACE OWNER Eugene C. Jack Sr.	20-16 Cond.	60'	60'	75 sac
ADDRESS R. D. 1 Box 237, Triadelphia, WV	11-3/4" XXXXX "	785'	785'	300 sacl
MINERAL RIGHTS CWNER same as surface owner	9 5/8	, , ,	, 03	1 300 340
ADDRESS	8 5/8	2510'	2510'	600 saci
OIL AND GAS INSPECTOR FOR THIS WORK Robert	7	2310		
Lowther ADDRESS	5 1/2			
PERMIT ISSUED 12/16/81	4 1/2	6858	6858	290 sac
DRILLING COMMENCED 3/29/82	3	0030	0030	
DRILLING COMPLETED 4/8/82	2 /			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON	Liners used			
GEOLOGICAL TARGET FORMATION Oriskany Sandsto	ne	Dep	<u>th</u> 676	i ² fee
Depth of completed well 7140 feet				
Water strata depth: Fresh feet;				
Coal seam depths:	-		ed in the	area? No
OPEN FLOW DATA				
Producing formation Oriskany Sandstone	e Pav	zone deni	-h 67	762 fee
Gas: Initial open flow Mcf/d				
Final open flow Mcf/d		-	*****	
Time of open flow between init				
Static rock pressure 1300 psig(surface		_		
(If applicable due to multiple completion		·		
Second producing formation Huntersville		zone dept	-h_6581-6	ين
Gas: Initial open flow Mcf/d				
Final open flow 47 Mcf/d				
Time of open flow between init				
Static rock pressure 550 psig(surface	measureme	nt) after	120 hou	rs shut :

Set Bridge Plug in 4-1/2" casing @6700'

Perforate 4-1 casing: 6581' - 6584' - 4 holes 6600' - 6605' - 6 holes 6637' - 6646' - 5 holes

Fracture w/32,500 gals. gelled 5% HCL water & 25,000# of 20/40 mesh sand w/83,000 SCF nitrogen.

WELL LOG

·	W	ELL LOG	
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of a and salt water, coal, oil
Subsurface'	0	800	
Shale	800	820	
Sandy Shale	820	1020	·
Shale	1020	1116	
Sand	1116	1160	•
Shale	1160	1190	•
Sand & Shale	1190	1360	
Sand	1360	1400	
Shale	1400	1564	
Maxton	1564	1747	
Big Lime '	1747	1807	
Big Injun	1807	2009	
Shale	2009	2370	٠.
Berea	2370	2412 •	•
Shale	2412	3298	46
Warren	3298	3330	
Sandstone	3330	6533	
Onondaga	6533	6576	
Huntersville Chert	6576	6742	• • • • • • • • • • • • • • • • • • •
Needmore	6742	6758	
Oriskany	6758	6848	•
Helderberg	6848	7002	•
Corrigan ville	7002	7046	
Keyser	7046	7140	T.D.
The state of the s			
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(Attach separate sheets as necessary)

Columbia Gas Transmission Corporation

1983 vember

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." Note:

FORM IV-2 (Obverse) (0E-78)

TELEPHONE: (304) 348-3092



•	State	County	Permit
API Well No.	47	- 069	- 0038
Operator's Well No			
Date: <u>Decei</u>	mber	3 , 19	81

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

OIL AND GAS WELL PERMIT

WELL TYPE:	Oil/	Gas XX			/ Challenn	D
	(If "Gas", Produ	ction XX /	Undergroun	d storage	/ Deep/ Shallow	/)
LOCATION:	Elevation:	1300'	•			
	District: Triad	elphia	County:		Quadrangle: Valley Grov	
WELL OPERATO	OR <u>Appalachian</u>	Energy, Inc.			AGENT Mr. Charles Stimelin	g
Address	200 Roessle		·	Address_	P. O. Box 179	
	Pittsburgh,	PA 15220	·		Bridgeport, WV 26330	
OIL & GAS				CO II ODED A	TOP Valley Camp Coal Compa	nv
ROYALTY OWN	ER Eugene C.				ATOR Valley Camp Coal Compa	119
Address		ox 237		Address	P. O. Box 218	
	Triadelphia	, WV 26059		_	Triadelphia, WV 26059	
Acreage	74			COAL OWNE	R(S) WITH DECLARATION ON REC	ORD:
_	ER Eugene C. J	ack, Sr. et u	х	Name	same as above	
Address	R. D. #1, B			Address		
Address						
	Triadelphia			Name		
,	74			Address		•
FIELD SALE (I				,,,,	•	-
Address	N/A			COAL LESSE	E WITH DECLARATION ON RECO	RD:
** ·				Name		a Ion
OIL & GAS IN	SPECTOR TO BE N	OTIFIED				CIAD VINCE
	lip Lee Tracy			Addiess	——————————————————————————————————————	
Address	Rt. 23				OIL AND GAS DIVIS WY DEPARTMENT OF W	
٠	Alma, WV 26	320			-	
The undersign	ed well operator is ent	itled to operate for	oil or gas purp	oses at the above	e location under a deed/ lease	, XX
other contract	/ dated Sept	ember 20,19	79, to	the undersigned	well operator from Eugene C. Jack	. Sr.
(IF said deed, le	ease, or other contra	of has been record	ea:) of the Clerk c	of the County Co	mmission of <u>Ohio</u> Cou	nty, West
	Book					
PROPOSED W					acture or stimulate/	
		formation	•			
	Other physics	al change in well ((specify)			
	=	shown on the wor				
The above nan	ned coal operator, coa	lowner(s), and coal	lessee are her	eby notified that	any objection they wish to make or are re	equired to
make by Code \$	22-4-3 must be filed	with the Departmen	nt of Mines wi	thin fifteen (15)	days after the receipt of this Applicati	on by the
Department.						_
Copies of this I	Permit Application an	d the enclosed plat a	and reclamatio	n plan have been	mailed by registered mail or delivered b	y hand to
the above named	i coal operator, coal o	wner(s), and coal le	essee on or bef	ore the day of th	e mailing or delivery of this Permit App	ication to
the Department	of Mines at Charles	ton, West Virginia	·•			
PLEASE SUBMI GEOPHYSICAL TO:	T COPIES OF ALL LOGS DIRECTLY					
	A OIL AND GAS			By D	male Y. Laughlin	· •
SION	ION STREET EAST			lts		

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CO	ONTRAC	TOR (IF	KNOW	4)		Unknown		•		
				Ad	dress .					
								-		
GEOLOGICAL	. TARGE	T FORM	ATION,		C	riskany Ss				
Estimate	d depth	of compl	leted wel	11,	6700) fee	et Rotary	xx/ Cal	ole tools	/
							; salt, <u>190</u>			
Approxi	mate coal	l seam de	epths:	6.	50	Is coal	being mined i	n the area? Yes	/ No	
CASING AND	TUBING	G PROGI	RAM				-			
CASING OR TUBING TYPE	SPE Size	CIFICATI Grade	ONS Weight	New	Used		INTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	11 2/	11 40	65	x		100'	100'	100'	Kinds	
Conductor	11 3/	н-40	- 65			100	100	200		
Fresh Water Coal									Sizes	
Intermediate	0 5/0		0,	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		2500 '	2500'	2500'		
Production	8 5/8			X		6650'	6650'	2500	Depths set	
	4 ½	J-55	11.0	^		0030	0050	1000		
Tubing									Perforations:	**
Liners				İ					Тор	Bottom
		<u> </u>								
									,	
NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well. A separate Form Iv-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to										
be pa	irt of the	work for v	which a p	ermit i	s soug	nt and is noted	25 Such on the I	Form IV-2 filed in co	milection therewit	
THIS PERMIT		•								
All provisions of the W. Vo	being in	accorda ho locati	nce with	Chap	for 22 oprove	2, d				
for drill	ling		is permit	shall e	expire	if				
operations have	ve not co	mmenced	by8-1	6-82		m4				
Deputy Di	PA	mey						- January		
Deputy Di	rector - O	il/36/56 did	Division			**		B		
•••••	•••••	•••••			••••	••••••	• • • • • • • • • • • • • • • •	!	••••••	
The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.										
			,			WAI				
The undersigned coal operator/ owner/ lessee/ of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.										
					•		7500	y Rugy	Camp	oacto
Date:	12-7		. 19	81			By	mes Jetn	ran).	
Date	/		• • •		-		lts/	Reside	70	· · · · · · · · · · · · · · · · · · ·