



IV-35 CIL & GAS DIVISION (Rev DEPT. OF MINES



State of West Virginia

Bepartment of Mines
moieinies and ben lid

		ember 27	7, 19	983
Opera	tor's No	159		
Farm	JOHN	MILLS,	JR.	
API N	0. 47	- 103		1284

WELL OPERATOR'S REPORT

	103		284	_
	RE	CE	TI:	PE
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	William Or III	OF			JN.	
•	DRILLING, FRACTURING AND/OR	STIMUI	ATING,	OR PHYSICAL	CHANGE	FEB 2 - 108
					C	NL & GAS DIVE
WELL TYPE:	Oil XX / Gas / Liquid Injection / Under	ection_ ergrour	/ Was rd Stora	te Disposal ge/ Deep	/ QE	FIT, OF, IVII
LOCATION:	Elevation: 1487 Watersh	ed	Piney	/ Fork		
	District: Grant County				oine Gr	rove 7.5'
•						
	UAKER STATE OIL REFG. CORP.					
ADDRESS	P.O.Box 1327, Parkersburg, WV 261	<u>02</u> -132	Casing	Used in	Left	Cement fill up
	AGENT Carl J. Carlson		Tubing		in Well	Cu. ft.
ADDRESS	same as above		Size			
	NNER Lewis Wetzel Hunting Ground		20-16 Cond.			
ADDRESS_D	NR, Charleston, WV 25305	·	13-10"			
MINERAL R	IGHTS OWNER Mills Wetzel Lands.	Inc.	9 5/8			
ADDRESS_E	lston Bank & Trust Co. Crawfordsville, Ind. 47933		8 5/8	562	562.	cts
	AS INSPECTOR FOR THIS WORK		7		\	
B. Lowther	ADDRESS Middlebourne, WV 2	6149	5 1/2	3312	3312	400 sx
PERMIT IS	SUED		4 1/2	3312	JJIE	7111
DRILLING	COMMENCED 7/17/83		3			
DRILLING	COMPLETED 7/23/83		2			
CONTINUOU REWORKING	ABLE: PLUGGING OF DRY HOLE ON S PROGRESSION FROM DRILLING OR VERBAL PERMISSION OBTAINED		Liners used			
ON			<u> </u>		<u> </u>	•
	L TARGET FORMATION Gordon					- 3368 feet
	h of completed well 3454					
	r strata depth: Fresh na					
Coal	seam depths: na		Is coa	l being mir	ed in the	e area? no
OPEN FLOW	DATA					
Prod	ducing formation Gordon		P	ay zone deg	oth 3312 -	3368 feet
Gas:	Initial open flow M	cf/d	oil: I	nitial oper	flow	Bbl/d
	Final open flow 8 M	cf/d	F	'inal open	flow	Bb1/d
	Time of open flow between	n init	ial and	final tests	sh	ours
Stat	ric rock pressurepsig(surfac	e measur	ement) afte	er ho	urs shut in
(If	applicable due to multiple comp	letion)			•
Seco	ond producing formation		I	eay zone de	pth	feet
	: Initial open flow N					
	Final open flow N	∕cf/d	Oil: I	Final open	flow	Bbl/d
	Time of open flow between					

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

Frac'd open hole with 174 gal. water and 134 sx of 12/20 sand.

Fm. broke down at 2210 psi

Avg. treating pressure - 3450 psi at 40 BPM

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Shale & Sandstone Sandsotne Shale & Siltstone Sandstone Shale Sandstone Shale & Sandstone Sandstone Shale Little Lime Pencil Cave Big Lime Big Injun Shale & Siltstone Siltstone Shale Gordon Stray Shale Gordon Shale Siltstone Shale Siltstone Shale Siltstone Shale	0 939 1132 1748 1803 1818 1943 2125 2185 2446 2461 2475 2540 2736 3098 3125 3304 3308 3312 3368 3400 3412	939 1132 1748 1803 1818 1943 2125 2185 2446 2461 2475 2540 2736 3098 3125 3304 3308 3312 3368 3400 3412 3454 LTD	

(Attach separate sheets as necessary)

QUAKER STATE OIL REFG. CORP.	
Well Operator Michael C. Brannock - Sr. Geol	
Well Operator Michael C. Brannock - Sr. Geol. By:	
Date: December 27, 1983	

Note: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic

FORM IV-2 (Obverse) (6-82)

DRILLING CONTRACTOR:



1) Date:	2424 4 4 3 24 3		, 19	<u> </u>
Operator's Well No.	john MILLS,			
3) API Well I	No. <u>47</u>	· ***	138%	

LLING CONTRA	ACTOR:					SENAL SENALS	and a		State	County	Permi
<u>lint part à Associates</u>		DE	STATE OF WEST VIRGINIA DEPARTMENT OF MINES, OIL AND GAS DIVISION					N			
a Box 246								APPLICATION			
Vieta, in	2507			<u> </u>	TID GIR	WELL TER	VARA 7	MI DICATION			
WELL TYPE:	A Oil	23	_/ Gas _						•		
								age	_/ Deep	_/ Shallow	/)
LOCATION:	Elevat	ion:	<u> </u>			Watershed:		<u> They Fort</u>		San a Cameron	
WELL OPERA		x:	races Tate c	11 //		County:			Quadrangle: AGENT		
Address		062.1	127		159 X 101	***************************************	11)	Address	AGENT		
	Perel	ersbur	<u> 77/ 18</u>	2.41	02-13	2 <u>7_</u>		-	· · · · · · · · · · · · · · · · · · ·		
OIL & GAS	NED	8477	s Wetz	s1 1		Trans.	10)	COAL OPERAT	ror		
ROYALTY OW Address	C/O	. 18 1.00	Daile.	A Tr			12)	Address	OK		
114 - 111 - 1 114.	uras	fordsv	ille,	indi	ana -	<u> 179</u> 30					
Acreage .	25 68 ²		olas Se os as P	S.Fa.con	do of our ex		13)	COAL OWNER	(S) WITH DECLAR	RATION ON REC	ORD:
SURFACE OWI Address	NER	10 12 1 10 10 10 10 10 10 10 10 10 10 10 10 1		i i i i i i i i i i i i i i i i i i i	ownes.			Name	o Elston Dao	<u> 1942 y Arrayan</u> Ar A Twinston	
Address	Char	leston	1.19.0	2.330	96	***		Audi Coo	awfords v 111 c		
Acreage	la j							Name		13.4	
FIELD SALE (•						Address			
Address							1.4	COAL LEGGEE	WITH DECLARAT	TION ON BECOR	
OIL & GAS IN	SPECTO	R TO BE	NOTIFIE	D		held a mark a management of the second of th	14)		WITH DECLARAT		
Name	ert A					*************		Address			
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	<u> </u>	<u> </u>	<u> </u>		49 1						
ROPOSED W	ORK:								ure or stimulate		
		-									
		Other phy	sical char	ige in v	vell (spec	ify)				and a second se	
GEOLOGICAL	TARGE	T FORMA	TION, _	200	607.00	<u> </u>					
) Estimated d	lepth of c	ompleted v	vell,	54		fe					
8) Approxima	te water s	trata depth	ıs: Fresh	,	487	feet;	sa	lt,	feet.		
9) Approxima	te coal se	am depths:		1 6.79		Is	coal b	eing mined in the	area? Yes	/ No	
CASING AND	TUBINO	PROGRA	M								
CASING OR		SPE	CIFICATIO	NS	. 1	FOO	TAGE I	NTERVALS	CEMENT FILL-UP	PACKERS	
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling		Left in well	OR SACKS (Cubic feet)		
nductor										Kinds	
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										Тор	Bottom
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XTRACTION	PICUT	There is a second									
Check and prov			wing:								
			•	contin	uing cont	ract or contra	cts by	which I hold the	right to extract oil o	or gas.	
원래 화가 하게 되는 것이 없다.			-4-1-(c) (1) throu	gh (4). (See reverse sid	e for	specifics.)			
ROYALTY PRO			arkat tha a	.il a= aa	n basad	 - lass	atha-			ing for flot wall ra	.alen as
									ct or contracts provid related to the volui		
roduced or ma	rketed?	Yes 🗌	No 🔲			MATERIA SANTA DARA Materia					
			tional is n	eeded.	If the an	swer is Yes, y	ou ma	iy use Affidavit F	orm IV-60.		
Required Copies Copies of this F			and the en	closed	plat and	reclamation p	lan ha	ive been mailed by	registered mail or d	lelivered by hand t	o the al
named coal ope	rator, co	al owner(s), and coa	l lessee	on or be	fore the day o	of the	mailing or deliver	y of this Permit App	lication to the De	oartmen
Mines at Charle					in a second second						
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it number											19
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r to No. 10) Pri	or to the	constructio	n of road	s, locati	ons and p	oits for any per	mitte	d work. In additio	n, the well operator o		
r district oil an					al permi	tted work has	comn	nenced.)			
it expires	ar think	ember 1	851 g . 2 W	W 4		unle	ss dril	ling is commenced	prior to that date and	d prosecuted with d	ue dilige

re	ermit expires				uniess a	mining is commenced prior to that date and prosecuted with due dingence.
	Bond:	Agent:	Plat:	Casing	Fee	
					w.*	Administrator, Office of Oil and Gas

Line Item Explanation

- 1) Date of Application
- 2) Your well name and number
- 3) To be filled out by office of oil & gas
- 4A) "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced at the well in liquid form by ordinary production methods and which are not the result of condensation of gas after it leaves underground reservoirs: "Gas" means all natural gas and all other fluid hydrocarbons not defined as oil.
- 4B) "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of the "Onondaga Group" or a depth less than six thousand feet, whichever is shallower.
 - "Deep well" means any well drilled and completed in a formation at or below the top of the uppermost member of the "Onondaga Group" or at a depth less then six thousand feet, whatever is shallower.
- 5) Where well is located
- 6) Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be registered with the Secretary of State Office
- 7) Use separate sheet if necessary
- 8) Present surface owner at time application is filed.
- 9) Optional
- 11) See Reg. 7.01 relating to code §22-4-1k
- 12) "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine. See Note 24
- 13 & 14) As per §22-4-20; See Note 24
 - Work that will be attempted—A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.
 - 16) Anticipated formation for which well will be completed
 - 17) Self explanatory
 - 18) Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in elevation
 - 19) All coal seam depths
 - 20) Proposed casing program and cementing refer to Code 22-4-5, 22-4-6, 22-4-7, 22-4-8, 22-4-8a Reg 9.01, 15.01, 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
 - 21) Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a permit described herein may file the following:
 - (1)A brief description of the tract of land including the district and county wherein the tract is located;
 - (2) The identification of all parties to all leases or other continuing contractual agreements by which the right to extract, produce or market the oil or gas is claimed;
 - (3) The book and page number wherein each such lease or contract by which the right to extract, produce or market the oil or gas is recorded;
 - (4)A brief description of the royalty provisions of each such lease or contract.
 - 22) Code 22-4-11(d) and 22-4-11(e).
 - 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.
- The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

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.

WAIVER

amined this proposed well location. If a mine	e map exists which covers the area on objection to the work proposed	/of the coal under this well location has exoff the well location, the well location has been to be done at this location, provided, the well code and the governing regulations.
Date:, 19	By	