





## Sinds of Mest Mirginia Well No. Bepartment of Mines Farm Cl

Date March 25, 1983
Operator's
Well No. 721-1
Farm Clifton Valentine

API No. 47 - 085 - 6189

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OIL & GAS DIVISION
DEPT, OF MINES

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

OCATION: Elevation: 922' Watershed_	Addis Run			
District: Grant County			e <u>Harris</u>	<u>sville 7.</u> 5'
•				
COMPANY KEY OIL INC		1		Cement
ADDRESS P.O. Box 709, Spencer, WV	Caging	Used in		fill up
DESIGNATED AGENT Joe McLaughlin	Tubing	Drilling	in Well	Cu. ft.
ADDRESS P. O. Box 709, Spencer, WV	Size 20-16		sele-conceptions	
SURFACE OWNER Clellie Rexroad	Cond.			
ADDRESS RFD 1, Cairo, WV	13-10"			
MINERAL RIGHTS OWNER Clifton Valentine	9 5/8			
ADDRESS 3524 Imperial, Lakeland, FL	8 5/8	1081 -	1081	300 SK
OIL AND GAS INSPECTOR FOR THIS WORK	7			
S.N. Hersman ADDRESS Box 66, Smithville, WV	5 1/2			
PERMIT ISSUED 1-17-83	4 1/2	4532	4532	425 SK
DRILLING COMMENCED 1-23-83	3			
DRILLING COMPLETED 1-28-83	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR	Liners			
REWORKING. VERBAL PERMISSION OBTAINED .	used			
ON				
GEOLOGICAL TARGET FORMATION Devonian Shale		Dep	oth 590	0feet
Depth of completed well 4634 feet	Rotary X	/ Cab]	le T∞ls_	
Water strata depth: Fresh 210 feet;				
Ccal seam depths: N/A	_ Is coal	being mir	ned in the	e area?
OPEN FLOW DATA				
Producing formation Devonian Shale	Pa	y zone dej	oth 2945-	4485 feet
Gas: Initial open flow Show Mcf/d			Billion and a second	· · · · · · · · · · · · · · · · · · ·
Final open flow 325 Mcf/d	Fi	nal open :	flow (35)	Bbl/d
Time of open flow between in				
Static rock pressure 375 psig(surf				
(If applicable due to multiple completi				
	Pa			fee
Gas: Initial open flow Mcf/d			•	Bb1/
Final open flow Mcf/d				
Time of open flow between in				
Static rock pressurepsig(surfa	ce maasure	ment) afte	r ho	ryrs shut of

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

Top Stage

Up Dev. 2945-3620 29 - 0.39" holes

Bottom Stage

Huron 3972-4485

30 - 0.39" holes

1000 gal. MOD 202 Acid, 130 gal. Paracheck, 825 gal. Toluene, 770 gal. Kerosene, 1.796 mm scf N<sub>2</sub>

FOR	MATION COLOR HARD OR SÓFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
	Siltstone/Shale	1100	1340	
	Sand	1340	1488	
	Shale	1488	1648	
	Lime	1648	1668	
	Shale	1668	1713	
	Sand	1713	1940	
	Shale	1940	1973	
	Sand	1973	2013	
	Shale	2013	2113	-
	Siltstone	2113	2188	
	Shale	2188	2343	
	Siltstone/Shale	2343	2750	
	Sand	2750	2762	
	Shale	2762	3608	
	Shale/Siltstone	3608	3768	
	Siltstone	3768	3773	
	Shale/Siltstone	3773	4526	
			4634	T.D. Heron@ T.D.

(Attach separate sheets as recessary)

	KEY OIL, INC.	
Well Of	erator	
By:	any & Say Barry K. Lay	
Date:	March 25, 1983	

Regulation 2.02(i) provides as folicus:

"The term 'log' or 'well log' shall mean a systematic istailed geological record of all formations, including

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B	A.	55	
128		. De	) S
14	(=	S	/*/
1	September 1	MPER CIN	CONTROL OF THE PARTY OF THE PAR

1)	Date:	19 · 19	
- 2)	Opera	ALOT S	
	Well I	No.	
		. <del></del>	
21	ADIT	Wall No. 47	

State

County

Permit :

## STATE OF WEST VIRGINIA

and the second s				OIL AND		WELL PERMIT A	•	)N	
				OED THIND	0120	VV BARA A ARRIVER 2	AT I AZECZKIE		
4) WELL TYPE:	A Oil	- 1. 1.	√ Gas _	<u> </u>					
	B (If "	Gas'', Proc	luction _	X	/	Underground stor	•		/ Shallow/)
5) LOCATION:						Watershed:			
		t: <u> </u>						Quadrangle:	
) WELL OPERA		10 y 10 44. 	g 46,4443 p. 0,65			11)		ED AGENT	5.45°0;07.05.3, 05.20
Address		COT V.	2				Address	<u> 244. Fox 779</u> Beersear. <b>1</b> .7	<u>. 26276 - 16</u>
OIL & GAS				7					* 202222 125 188
ROYALTY OW	VNER		n Vala	esto Alexa		12)	COAL OPE	RATOR	
Address		laşayıra	1 Lane	-			Address		in the second second
	1.4070453.	adol Ya	orida.	33903					
Acreage						13)	COAL OW	NER(S) WITH DECLAR	ATION ON RECORD:
SURFACE OW	NER	4641.16	F 632270				Name	<u> </u>	
Address		THE SECTION AND THE SECTION AN	1957 A 1977 A 1978				Address	***************************************	
Acreage			9			•	Name		
) FIELD SALE (	(IF MADE	E) TO:					Address		
Address		·····					0041.150		1011 011 DECORD
OII & CAS IN	ICDECTO	P TO PE	NOTIFIE	<u> </u>		14)		SEE WITH DECLARAT	ION ON RECORD:
OIL & GAS IN Name	SI ECIU	N I O BE	. OHELE				Name Address		<u>and the state of </u>
Address		330K . 146					Addi CSS		
	Sand Green	11110		-26176					
) PROPOSED W	VORK:	Drill		Drill deeper		/ Redrill	/ 1	Fracture or stimulate	
		Plug off	old form	ation		_/ Perforate nev	formation_		
		Other phy	sical chan	ge in well (s	speci	fy)			
) GEOLOGICAI									
17) Estimated						feet	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
18) Approxima	ate water s	trata depth	is: Fresh	<b>.</b>			t,	feet.	
19) Approxima	ate coal sea	am depths:		W. C. C.		Is coal b	eing mined in	the area? Yes	/ No
) CASING AND	TUBING	PROGRA	M						
casing or		CDE	CIFICATION	ire	- 11	FOOTAGE I	NTERMALE	CEMENT FILL-UP	PACKERS
TUBING TYPE			Weight	1				OR SACKS	PACKERS
Conductor	Size	Grade	per ft.	New Use	1	For drilling	Left in well	(Cubic feet)	
Fresh water	. 42 Japan 184	0.000			+	La Salaria Marana		Tarian ( 1964 - 1964 - 1965) Tarian ( 1964 - 1964)	Kinds
Coal	<u>na katalan t</u>			<del>                                     </del>	+				Sizes
Intermediate	4 17 2	1000	45.43		+		5,380		Sizes
Production					$\parallel$				Depths set
Tubing					$\parallel$				
Liners					$\parallel$				Perforations:
									Top Bottom
		医缺乏缺陷							
) EXTRACTION	RIGHTS	3							
Check and prov			•						
								the right to extract oil or	r gas.
I ne request.  2) ROYALTY PR			-4-1-(c) (1	) through (4	). (:	See reverse side for	specifics.)		
			arket the o	oil or gas has	ed m	non a lease or other	continuing co	ntract or contracts providi	ng for flat well royalty or a
									ne of oil or gas so extracte
produced or ma	and the law that I have								
the answer above  Required Copie				eeded. If th	e an	swer is Yes, you ma	y use Affida	vit Form 1V-60.	
				closed plat	and	reclamation plan ha	ve been mail	ed by registered mail or d	elivered by hand to the abo
named coal op	erator, co	al owner(s)	), and coa	l lessee on c	r be	fore the day of the	mailing or de	elivery of this Permit App	lication to the Department
Mines at Charl	•								
Notary:					543	····	Signed:		
My Commission	Expires	rija programa (1918). Tanana marangan marangan mengan pengan p					Its:		
<u>ar ja sita ili susul juest suta le lit</u>		100000000000000000000000000000000000000	100 Mark probably and sadden		ex .	FFICE USE ON	(0.000,000,000		
					D	RILLING PER	MIT	100	
ermit number							-	The state of the s	19
ermit number	g the well	Operator	and well b	ocation show	vn 1-	elow is evidence of	nermission o	Dated to drill in accordan	te
This permit covering uirements subject	to the con	ditions cor	ntained he	rein and on	the	reverse hereof. Not	ification mus	ranted to drill in accordar t be given to the District (	te ace with the pertinent legal Dil and Gas Inspector.
his permit covering uirements subject to Refer to No. 10) Pr	to the con ior to the	ditions cor constructio	ntained he	rein and on s, locations a	the and p	reverse hereof. Not pits for any permitte	fication mus d work. In ad	ranted to drill in accordar t be given to the District (	te ace with the pertinent legal Dil and Gas Inspector.
his permit covering uirements subject to Refer to No. 10) Pr	to the con for to the on to gas ins	ditions cor constructio	ntained he	rein and on s, locations a	the and p	reverse hereof. Not olds for any permitte ted work has comm	fication mus d work. In ad enced.)	ranted to drill in accordar t be given to the District ( dition, the well operator of	te ace with the pertinent legal

Administrator, Office of Oil and Gas