

STEPHENS BLUEP



IV-35 (Rev 8-81)

State of Mest Nirginia

Bepartment of Mines Gil und Gas Division

Date Mar	y 21	. 198	4					
Date <u>May 21, 1984</u> Operator's								
Well No.	1_							
Farm R	onnir	1g						
API No.		•	- 1207					

WELL OPERATOR'S REPORT OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas X / Liquid Injection (If "Gas," Production / Undergrou	/ Wast nd Storag	e Disposal e/ Deep	/ / Sha	llow <u>X</u> /)
LOCATION: Elevation: 610' Watershed_	Ohio Ri	ver		
District: Williams County Wood		Quadrangle	Valley	y Mills
CCMPANY Energex Oil and Gas Corp.				
ADDRESS Box 905 Marietta, OH 45750	Casing	Used in	Left	Cement fill up
DESIGNATED AGENT Sherry Barker	Tubing	Drilling	in Well	Cu. ft.
ADDRESS Box 905 Marietta, OH 45750	Size			
SURFACE OWNER Lawrence Ronning, etal	20-16 Cond.			
ADDRESS 4002 River Road, Vienna, WV 26105	13-10"			
MINERAL RIGHTS OWNER Lawrence Ronning, etal	9 5/8			
ADDRESS 4002 River Road, Vienna, WV 26105	8 5/8	230'	230'	Surface
OTT AND GAS INSPECTIOR FOR THIS WORK Deo		250		
Mace ADDRESS Rt. #1, Box 65 Sand Ric	ge / 5 1/2			
PERMIT ISSUED February 5, 1982	4 1/2		2300'	500' from
DRILLING COMMENCED February 15, 1982	3			
DRILLING COMPLETED February 20, 1982	2			
IF APPLICABLE: PLUGGING OF DRY HOLE ON				
CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED	Liners used			
ON			<u> </u>	
GEOLOGICAL TARGET FORMATION Devonian Shale		Dep	th 4000	feet
Depth of completed well 2300 feet I	Rotary	Cabl	e T∞ls_	•
Water strata depth: Fresh 18 feet;				
Coal seam depths: None	Is coal	being min	ed in the	e area?No
OPEN FLOW DATA				•
	Pa	y zone dep	th 2178	feet
Gas: Initial open flow 14 Mcf/d	Oil: In	itial oper	flow No	ne Bbl/d
Final open flow (2) Mcf/d				
Time of open flow between init				
Static rock pressure 520 psig(surfac	e measure	ment) afte	<u>72</u> ho	urs shut in
(If applicable due to multiple completion)			
Second producing formation	Pa	ay zone deg	oth	feet
Gas: Initial open flowMcf/d	Oil: Ir	itial oper	n.flow	Bbl/d
Final open flowMcf/d				
Time of open flow between init				
Static rock pressurepsig(surface	measure	ment) after	rho	urs shut in

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

12 SHOTS

2178'-2180' 4 SHOTS 2184'-2186' 4 SHOTS 2190'-2192' 4 SHOTS

Hydraulically Fractured with 22,000 lbs. of sand.

WELL LOG

			REMARKS Including indication of all fresh
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	and salt water, coal, oil and gas
	 	250	and said water, cour, our use gus
Sand and Shale	0 250	320	
Shale	320	336	
Sand		386	
Shale	336	434	·
Sand	386		
Shale	434	582	
Sand	582	600	
Shale	600	700	
Sand	700	720	
Shale	720	754	
Sand	754	842	
Shale	842	868	
Sand	868	910	
Shale	910	970	
Sand	970	1000	
Shale	1000	1042	
Sand	1042	1138	
Shale	1138	1212	
Sand	1212	1254	
Shale	1254	1298	
Sand	1298	1330	
Shale	1330	1352	
Big Injun	1352	1482	
Gray Shale	1482	1814	
Coffee Shale	1814	1862	
• Berea	1862	1868	Gas
Upper Devonian Shale	1868	2300	Gas
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•			•
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(Attach separate sheets as necessary)

Energex Oil and Gas Corp.
Woll Operator
By: Robert & Zirkbrick President
By: KARRY C Kulbrick Mes, Clay
2 100/
Date: May 21, 1984

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 coal, encountered in the drilling of a well."

FORM IV-2 (Obverse) (12-81)



Date:	Feb.	5	_,	1982
Operator's Well No	Ron	nning	_	1

API Well No. 47 107 1207 State County

Permit

STATE OF WEST VIRGINIA DEPARTMENT OF MINES. OIL AND GAS DIVISION OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE:	Oil_X	Gas X							
	(If "Gas", Prod	luction/	Undergroun	d storage		Deep	/ Shr	illow X)
LOCATION:	Elevation:6	10'	Watershed:	Ohio	River	N.			
	District: Wil	liams	County:	Wood		_Quadrang	le: Val	ley Mills	
WELL OPERAT	OR Energex	l & Gas Corp.		DESIGNATI	ED AGEN	Walt Walt	er H. A	llen	
Address	P. O. Box 530)6		Addres	ss P. 0	. Box 53	06		
	Vienna, WV 2	6105			Vien	na, WV	26105		
OIL & GAS ROYALTY OW	NER Lawrence F	lonning	,	COAL OPE	RATOR			` .	
Address		Road							
		26105							
•	5 acres								
Acreage			•			ITH DECL	ARATION	ON RECORI):
SURFACE OW		Ronning		Name	·····				
Address	4002 River		ing and the same of the same o	Addres	ss	RE	CER	WPD.	
	Vienna, WV	26105			-			- 30	
Acreage	5 acres			Name		F	EB8-	1982	···
FIELD SALE (IF MADE) TO:			Addre	ss	- OIL	AND GAS	DIVISION IT OF MINES	
Address_									
				COAL LESS	SEE WITI	H DECLAR	LATION O	N RECORD:	
OIL & GAS IN	SPECTOR TO BE	NOTIFIED	••	Name		i			
Name Dee	Mace			Addre	85				
Address	Rt. #1, Box	65							
and Betty	Pierce	igust 5 , 19		he undersigne	ed well op	erator from	Lawrence	e Ronning	
		81 , in the office of	•	the County C	Commissio	n of	Wood	County, \	Nesi
		64 at page		-					
		Drill deeper							
1 KOI OJED V							/	_	
		formation/		ew formation		./			
	Other physic	al change in well (s	pecify)						
	-1						***		
:		shown on the work							
		l owner(s), and coal le						-	
	22-4-3 must be filed	with the Department	of Mines wit	hin fifteen (15	5) days af	ter the rece	ipt of this	Application by	the
Department.	Dia A1iai	4.4							
		d the enclosed plat an						-	
	of Mines at Charles	wner(s), and coal less	see on or deto	re the day of t	the mailin	g or deliver	y of this Pe	rmit Applicatio	n to
		ton, west virginiz.	•						
	T COPIES OF ALL LOGS DIRECTLY								
TO:				** 	ENERGE:			PORATION	
	A OIL AND GAS		•	1)	Well O	perator	.	
CONSERVA SION		•		By 🕰	Jan	ell;	RI	Soice	-
1615 WASHINGT CHA <mark>RLESTON,</mark>	TON STREET EAST WV 25311			lts	Agent	·			
relephone: (3		DLAMIN_ I	Iden						

(12-81)

PROPOSED WORK ORDER

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

DRILLING CO	ONTRAC	TOR (IE	KNOW	۷) _	PAUL	DRILLING	CORPORATIO)N	
Address P. O. Box 1841									
						Parkersbu	irg, WV 26	101	
GEOLOGICAL	LTARGE	T FOR	MATION,	. <u>M</u> a	rcel	lus Shale			
Estimate	d depth	of comp	leted wel	l,	4	000 fe	et Rotary	/ X / Cab	le tools/
Approxi	mate wat	er strata	depths:	Fres	h,	200 feet	; salt,6	000 feet.	
Approxi	mate coa	l seam d	epths:	None	<u> </u>	Is coa	being mined	in the area? Yes	/ No/
CASING AND	TUBIN	G PROG	RAM				•		
CASING OR TUBING TYPE	SPE	CIFICAT Grade	IONS Weight per ft	New	Used	FOOTAGE	INTERVALS	CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	8 5/8	C+4a	24	Х.		250	250	To Surface	Minds
Conductor	0 3/0	υr ≇ €	24			230	230	To Surface	Kindş
Fresh Water									Sizes
Intermediate		<u> </u>							31263
			0.1/0				/	500 FROM	
Production	4 1/2	Stec	9 1/2	X	-		4000	125 sks. Surfac	Depths set
Tubing		ļ							
Liners	ļ		ļ.,	<u> </u>				25	Perforations:
									Top Bottom
	ļ				<u> </u>				
					<u> </u>				
the D presc "Rec previ Code	epartmentribed by lamation ously paid \$22-4-8; separate F	it, accom Regulati Plan'', a i on the s a from tl orm lv-2	panied by on 12, or applicable same well ne owner shall not l	(i) a in li to the to the of an	plat in leu the reclare required function to the plant of	the form presence of the other amation require uired by Code for well or dwell for fracturing or	cribed by Regur security allowed by Code \$ 22-4-12a, and (lling within 200) a stimulating a	ur copies of Form IV-2 lation 11, (ii) a bond i wed by Code § 22-4-22-4-12b and Regulati (v) if applicable, the colored feet of the proposed well where fracturing a Form IV-2 filed in cor	n one of the forms (), (iii) Form IV-9, () on 23, (iv) unless () onsent required by () well. () or stimulating is to
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HIS PERMIT A									
d provisi on s t f the W. Va.							e e e e e e e e e e e e e e e e e e e	÷ +	
or drilling			s permit	•			14 - *	·	*
perations have				0-9-	•				
The]m_	//	•					
Deputy Dire	ctor - Oil	& Gas	Division	=					•
						· ·			
The decl	following aration u	waiver m	ust be co le 22-4-	mplete 20, if	d by the	he coal operator ermit is to be	r and by any coa issued within	il owner or coal lessee lifteen (15) days of re	who has recorded a eccipt thereof.
			1		E	WAI	VER		
The undersign	location. led has n	It a mine o objecti	map exis	ts whi work	ch cov propos	/ lesseers the area of sed to be done	e/ of	n, the well location ha	vell location has examined this is been added to the mine map, operator has complied with all
		i es							
Date		i i	. 19			. •	Ву		
Date:			, 17_		-		-		