



IV-35 (Rev 8-81)

State of Mest Nirginia

Department of Mines
Oil and Gas Division

Date 05/27/85	
Operator's	
Well No. K-4	
Farm Grafton Loan #1	
XDT No. 47 - 01 - 0	`

OCT 15 1985

WELL OPERATOR'S REPORT

OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

District Roothscreek County Taylor Quadrangle East Fairment 7. COMPANY Keelex Corporation ADDRESS P.O. Box 2564 Clarksburg, WV26301 DESIGNATED AGENT Robert E. Fox ADDRESS Glenville, WV 26351 SUSPECT OWNER Bernard G. Sampson, Et. Al. ADDRESS Glenville, WV 26351 ADDRESS Glenville, WV 26351 ADDRESS MINERAL RIGHTS OWNER Grafton Loan Company ADDRESS OIL NID GAS INSPECTOR FOR THIS WORK Don Ellis ADDRESS Fairment, WV 26354 FERMIT ISSUED 03/05/85 DRILLING COMMENCED 03/26/85 DRILLING COMMENCED 03/26/85 DRILLING COMPETED 04/04/85 If APPLICABLE: PLUGSING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REPORKING. VERBAL PERMISSION OSTAINED CECLOGICAL TARGET FORMATION Oriskany Sand Depth 7478' feet Depth of completed well 7610' feet Rotary x / Cable Tools Water strata depth: Fresh x feet; Salt feet Coal seam depths: Is coal being mined in the area? No OPEN FLOW DATA Producing formation Huntersville Chert Pay zone depth(7203'-7242 feet Gas: Initial open flow Show Mof/d Oil: Initial open flow Bbl/d Final open flow 1280 Mcf/d Pour Final open flow Bbl/d Time of open flow between initial and final tests hours Static rock pressure psig(surface measurement) after hours shut in (If applicable due to multiple completion) Second producing formation Pay zone depth feet Gas: Initial open flow Mof/d Oil: Initial open flow Ebl/d Final open flow Mof/d Oil: Final open flow Ebl/d Final open flow Mof/d Oil: Final open flow Ebl/d Final open flow Mof/d Oil: Final open flow Ebl/d Final open flow Mof/d Oil: Final open flow Ebl/d Final open flow Mof/d Oil: Final open flow Ebl/d Final open flow Mof/d Oil: Final open flow Ebl/d	LOCATION: Elevation: 1283' Watershed_	Lost R	<u>un</u>		<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
ADDRESS P.O. Box 2564 Clarksburg, WV26301 DESIGNATED AGENT Robert E. Fox ADDRESS Glenville, WV 26351 SURFACE OWNER Bernard G. Sampson, Et. Al. ADDRESS UNITED AGENT CONNER Grafton Loan Company ADDRESS OIL AND GAS INSPECTOR FOR THIS WORK Don Ellis ADDRESS Fairmont, WV 26554 PERMIT ISSUED 03/05/85 DRILLING COMPENEED 04/04/85 IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REMORKING. VERBAL PERMISSION OBTAINED ON CEDIOGICAL TARGET FORMATION Oriskany Sand Depth 7478' feet Depth of completed well 7610' feet Rotary X / Cable Tools Water strata depth: Fresh X feet; Salt feet Coal seam depths: Is coal being mined in the area? No OPEN FLOW DATA Producing formation Huntersville Chert Pay zone depth(7220'-7242 feet Gas: Initial open flow Show Mcf/d Four Final open flow Bbl/d Time of open flow between initial and final tests hours Static rock pressure psig (surface measurement) after hours shut in (If applicable due to multiple completion) Second producing formation Pay zone depth feet Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d Final open flow 1280 Mcf/d Oil: Initial open flow Bbl/d Feet Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d Feet Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d Feet Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d Feet Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d	District Boothscreek County Tay	lor	Quadrangle	East F	'airmont 7.
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Time of open flow between initial and final tests hours					
	Static rock pressurepsig(surface	e measurem	ent) after	hou	urs shut in

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

Perforations (7290'-98') 8 holes (7306'-14') 8 holes, (7320'-28') 8 holes, (7336'-42') 6 holes; 30 holes total. .49"

Well fractured by Halliburton Services 04/24/85

Breakdown: 3600#, 1720 BBls. sand laden fluid, average rate 32 BPM, average pressure 5500#, H.H.P. 4313, 10,000 lbs. 80/100 sand, 79500 lbs. 20/40 sand, 2000 gallons 20% Hcl, 10500 gallons 31.5% Hcl acid.

WELL LOG

	T	1	REMARKS
FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	Including indication of all fresh and salt water, coal, oil and gas
	-		
· · · · · · · · · · · · · · · · · · ·			'.' Gas Test
	eller rectioned		
		enecopposition in the second	1968' Flair 2631' 20/10-1/4"-W
			2830 24/10-1/2"-W 3074 24/10-1/2"-W
	PARTILIMAN TO THE PARTILIMAN T		3200' 24/10-1/2"-W 4029' 38/10-1/2"-W
		Table and the second control of the second c	5000' 30/10-1/2"-W
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(Attach separate sheets as necessary)

Keelex Corporation
Well Operator
By: () Salatin
Date: May 27, 1985

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 country and the drilling of a well."

Sand Shale Sand Sandy Shale	0' 201' 379' 425'	201' 379' 425' 470'
Sand	470"	573 *
Red Rock	573'	638 '
Sandy Shale	638'	665'
Sand	665	890'
Shale Little Lime	890'	910'
Red Rock	910' 920'	920'
Big Lime	930'	9301
Sand Gee on with	1020'	1020' 1110'
Shale	1110'	1440'
Gantz Sand	1440 '	1455'
Shale	1455'	1499'
50' Sand	1499'	1506'
Sandy Shale	1506'	1854'
Gordon	1854'	1874'
Sandy Shale	1874 °	1909'
4th. Sand	1909'	1988'
Shale	1988 '	2037'
5th Sand	2037'	2084 1
Shale	2084'	2730'
Speechley	2730'	2742'
Shale	2742'	3054'
Balltown	3054'	3058'
Shale Riley	3058	3926'
Shale	3926'	3937
Benson	3937 ' 4080 '	4080
Shale	4088	4088
lst. Elk	4267"	4267 1
Shale	4222'	4 22 ' 4 4 5 9 '
2nd. Elk	4459	4464'
Shale	4464	4738
3rd. Elk	4738 '	4751'
Shale	4751'	6219'
Sycamore Grit	6219'	6556'
Shale	6556 '	6898'
Tulley Lime	6898 *	6962'
Shale	6962'	7160'
Marcellus Shale	7160 '	7266'
Onondaga Lime	7266'	7276'
Huntersville Cher		7478
Oriskany Sand	7478	7489'
Helderberg Lime	7489	7610'
TOTAL DEPTH	(DKILLEKO)	7610



NOTE: Keep one copy of this permit posted at the drilling location.



1)	Date: February	13	•	_, 19_85
2)	Operator's	.c	T	

3) API Well No. 47 -091 - 0471 State County

Administrator, Office of Oil and Gas

File

Permit

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

			IVISION		PPLICA	TION FOR A WE	LL WORK PERMIT	r		
4) WELL TYP	EPT PE: A C	oil	MIN G							
		f "Gas",	Production	n	XX			/ Deep <u>XX</u>	_/ Shallow _	/)
5) LOCATIO							Lost Run		N - 1	
			Booth C			County:T	aylor	Quadrangle: F	alrmont Ea	ist /.5
6) WELL OPI				Co.	Inc	18000		DAGENT Robert	120	
Address		O.Box	129 .e, W.\	7 26	351	**************************************	Address	Glenville, W.		***************************************
8) OIL & GAS					<u> </u>	**************************************	9) DRILLING C		V. 2000.	
Name DO	nald E	llis					Name Fox	Drilling Co.	Inc.	
Address						The state of the s	Address F	2.0.Box 129	77 00054	ATTANIA
			W.V. 2					Glenville,W.	-	
0) PROPOSE	D WELL	WORK:						/ Stimulate/	X /	
							orate new formation			
(1) GEOLOGI				•						
12) Estima	-	•				feet; sa	-	•		
13) Appro-		_				·	lt,		/ No}	XX .
(4) Appro				,,,		1S C	oal being mined in th	e area? Yes	/ No	
CASING OR			CIFICATION	e		# FOOTACE	INTERVALS	I CEMENT FILL-UP	li nearm	n a
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	PACKE	45
Conductor	11 3/	4	1	X		40'	40'	To Surface	Kinds	
Fresh water		-	-		-					****
Coal	II .		_	ļ					Sizes	
Intermediate	II .	J55	23.0	X	-	1500'	1500'	To Surface	1	
Production	4½	N80	11.6	X	<u> </u>		8000'	60CSKS	Depths set	
Tubing			1	-						
Liners		-	-	 	-	1	<u> </u>		Perforations:	
	ll .	l .		-		1			Тор	Bottom
			-							
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						OFFICE USE	ONLY			
					***************************************	DRILLING P				
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Permit number_		47-09	1-0471				***************************************		ch 5,	19 85
m3.*		.,						Da		
i nis permit cove quirements subie	ring the w ect to the c	ell operat onditions	or and we contained	ll location a	on snow and on t	n below is evidence he reverse hereof. A	of permission grant	ted to drill in accordar given to the District Oi	ce with the pertin	nent legal re-
No. 8) Prior to the	he constru	ction of re	oads, locat	ions and	d pits fo	r any permitted wor	k. In addition, the v	vell operator or his cor	tractor shall noti	fy the proper
district oil and g	as inspecto	or 24 hour	s before a	ctual pe	rmitted	work has commend	ed.)			1.7
The permitted we reverse hereof.				ce and A	Applicati	on, plat, and reclar	nation plan, subject	to any modifications a	nd conditions spe	cified on the
Permit expires _	Mar	ch 5,	1987			unless we	ll work is commence	d prior to that date and	prosecuted with o	lue diligence.
Bond:	Agen	nt:	Plat:	Casir	ng	Fee			1	
1-7	M	1/1/2	2/1	bo	11/	2016	11/	, ,	1//	
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See the reverse side of the APPLICANT'S COPY for instructions to the well operator.