

1)	Date:	, 19
2)	Operator's	

-,		Ctata	::.	C		D
3)	API Well No.	47	_	87	-	3828
	Well No	340-				

RILLING CONT	TRACTOR:					Room Lifeti	5, 711 1	State	County Permit
Unknown				- A - D-T		ATE OF WEST VIR			
			Di			OF MINES, OIL A	,		1 No. 1
	· · · · ·	.		OIL A	ND G	AS WELL PERMIT	APPLICATION		
		v		v					. **
) WELL TYPE									V 0
						Underground sto Watershed:			/ Shallow X/)
) LOCATION							Roane	Quadrangle:	Walton 7½'
) WELL OPE	RATOR	Key Oi	1, Inc				DESIGNATED	GENT Joe M	cLaughlin
Address	P.0	. Box	709				Address _	P.O. Box 70	9
34.	Spe	ncer,	W.Va.	252	76		_	Spencer, W.	Va. 25276
OIL & GAS									
ROYALTY) COAL OPERAT	OR None	
Address			Marke cer,				Address _		
•		-	5				COAL OWNER	S) WITH DECLAR	ATION ON RECORD:
Acreage SURFACE O	WNFR							None	
Address	, W. I. L.	Rt.	2 Box	19			Address _	×	,
Addiess		Gand	eevi1	1e,	W.V	25243			
Acreage		144.	5			uur anaanta kanka miika ka k	Name		1.35
FIELD SALI	E (IF MAD	E) TO:		100			Address		
Address							_		
						14)	2012	WITH DECLARAT None	
OIL & GAS							Name		
Name	Line						Address _		
Address			Le, WV				-		
PPOPOSED						Redrill_	/ Fracti	re or stimulate	JEJUV 151N
, FROI OSLD	WORLE					/ Perforate ne			5
		_	ysical char						- July
GEOLOGIC	AL TARGE	T FORMA	TION, _	M	arce	llus Shale		JUA	- 8 1983
17) Estimate	d depth of c	ompleted	well,		570	00 feet	700		, 170
				No:	200		alt,700	feet.	GAS DIVISION
19) Approxi	mate coal se	am depths	:		, ,		being mined in the a	firms bean beard residen	OF MINES
CASING AN	D TUBINO	PROGR.	AM						, LIF IVIII VILLE
CASING OR	II	SPI	CIFICATIO	NS .		FOOTAGE	INTERVALS	CEMENT FILLUP	PACKERS
TUBING TYPE	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well	OR SACKS (Cubic feet)	
Conductor	1	-				Manager and there are	M of		Kinds
Fresh water	9 5/8	H-40	32.3	X.		300 500	300 600	To surface	by K4K 5-05
Coal							0.0001		Sizes
Intermediate	1 /	J-55	23 .	X		2,200	2,200'	To surface	
Production	41/2	J-55	10.5	X		5,700'	5,700'	As needed	Depths set
Tubing	-			1					
Liners	-								Perforations:
	-		-						Top Bottom
	1	-							
EXTRACTIO	N PIGHT		100	-					
Check and pr			wing:						
				contin	uing co	ntract or contracts b	y which I hold the	ight to extract oil or	gas.
	-		-4-1-(c) (1)	throu	gh (4).	(See reverse side for	specifics.)		
ROYALTY F				••					f f 111
									ng for flat well royalty or any ne of oil or gas so extracted
produced or i				inci Oi	anc on	o. gas in place with	is not innerently	related to the volum	ic of on of gas so extracted
the answer above	ve is No, no	thing addi	itional is n	eeded.	If the a	inswer is Yes, you m	ay use Affidavit Fo	rm IV-60.	
Required Cop	pies (See rev	erse side.)			-1-1	d	ana hara mattad tar	registered mell or d	diversed by hand to the above
Copies of thi	is Permit Ap	pplication	and the en	closed	on or	a reciamation plan h	ave been mailed by mailing or delivery	of this Permit Appl	livered by hand to the above ication to the Department o
Mines at Cha					11	/o			00.
Notary:	harle	- Le	wis	11	an	ref.	Signed: Jac	Im: Ma	ughla
My Commissio	n Expires	Novemb	er 9.	1992			Its:	President	
My Commissio	" Expires_								
	4	7-087-	3828			OFFICE USE O			August 10, 1983
W. L. WAR		- 本集公司	21 - 45			DRILLING PER	TIME	A STATE OF THE STATE OF	09/15/2023

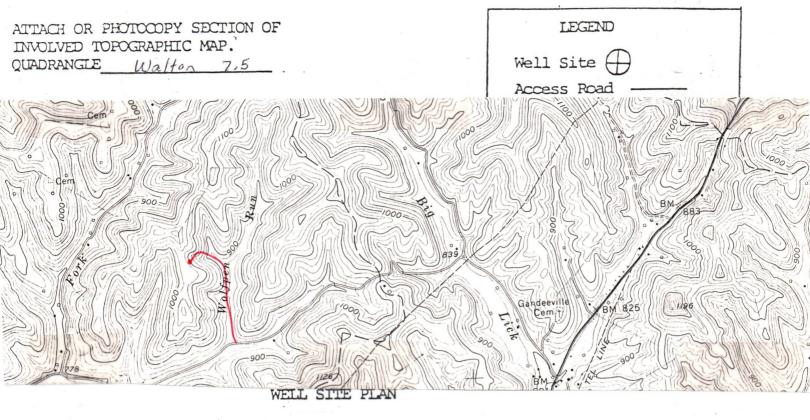
Permit number of the second se Date This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector.

(Refer to No. 10) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)										
er	mit expire	s		April 10	0, 1984	unless dr	rilling is commenced prior to that date and prosecuted with due diligence.			
	Bond:	1	Agent:	Plat:	Casing	Fee	Musica & Jours			
١		10	1	000	0.0	958	Administrator, Office of Gil and Gas			

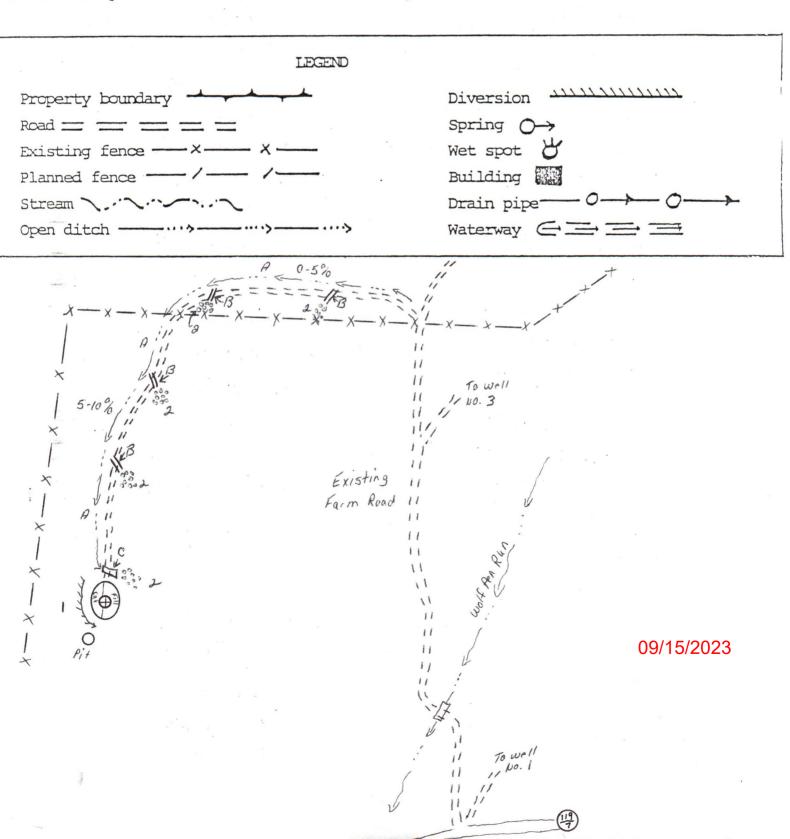
Line Item Explanation

- Date of Application 1)
- 2) Your well name and number
- To be filled out by office of oil & gas 3)
- "Oil" means natural crude oil or petroleum and other hydrocarbons, regardless of gravity, which are produced 4A) 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.
- "Shallow well" means any well drilled and completed in a formation above the top of the uppermost member of 4B) 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
- Before a permit can be issued in a corporation, company partnership, or fictitious name, the name must be 6) registered with the Secretary of State Office
- Use separate sheet if necessary 7)
- Present surface owner at time application is filed. 8)
- Optional 9)
- See Reg. 7.01 relating to code §22-4-1k 11)
- "Coal Operator" means any persons, firm, partnership, partnership association or corporation that proposes to 12) 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 15) where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the oousyville, . 27250 Form IV-2 filed in connection therewith.
 - Anticipated formation for which well will be completed
 - Self explanatory 17)
 - Depth to deepest freshwater, and shallowest salt water, taken from nearby wells corrected for differences in 18) elevation 0000
 - 19) All coal seam depths
 - 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, 20) 15.02, 15.03, 15.04, 25.01, 25.02, 25.03, 25.04
 - Code 22-4-11(c) In lieu of filing the lease or leases or other continuing contract or contracts, the applicant for a 21) 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.
 - Code 22-4-11(d) and 22-4-11(e). 22)
 - Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be fil-23) ed 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.

	oal owner(s), and coal lessee are nereby notified that any objection they we Code \$22-4-3 must be filed with the Department of Mines within fifteen (ication by the Department.	
The following waiver must be co	appleted by the coal operator and by any coal owner or coal lessee	
	der Code 22-4-20, if the permit is to be issued within fifteen (15)	
-	WAIVER	
amined this proposed well location. If a mine added to the mine map. The undersigned has	owner	been
Date:, 19	Ву	
	Its	
•	• • •	



ketch to include well location, existing access road, roads to be constructed, wellsite, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.



IV-9 (Rev 8-81)



DATE	Sept. 21.	1982
WELL	NO. 340-2	

State of Mest Mirginia API NO. 47 - 87 - 3828

Bepartment of Mines Bil and Gas Zivision

CONSTRUCTION AND RECLAMATION PLAN

	DE	CTCNDIED ACTAIN	
COMPANY NAME Key Oil, Inc.		SIGNATED AGENT Joe McLaughlin	
Address P.O. Box 709 Spencer, W.V.		Address P.O. Box 709 Spencer, W.V. 25	2
Telephone 927-5490		Telephone 927-5490	-
LANDOWNER Betty F. Hopkins		SOIL CONS. DISTRICT Little Kanawha	
		, Inc (Agent	.)
This plan has been reviewed by	ttle 1	Kahawha SCD. All corrections	
and additions become a part of this pla	in:	5-3-83	
	0	(Date)	
	Jar	(SCD Agent)	
ACCESS ROAD		LOCATION	
Structure Drainage Ditch	(A)	Structure Diversion Ditch (1)
Spacing		Material Soil	
Page Ref. Manual 2-12		Page Ref. Manual 2-12	
Structure Cross Drains	(B)	Structure Rip-Rap	(2
Spacing 80' - 400'		Material Stone	
Page Ref. Manual 2-1		Page Ref. Manual 2-9	
Structure Culvert	(C)	Structure	(3
Spacing (15*)		Material	
Page Ref. Manual 2-7		Page Ref. Manual	
All structures should be inspected commercial timber is to be cut and s cut and removed from the site before	tacked and	all brush and small timber to be	
R	EVEGETATIO	DEPT OIL & GAS DIVISION	
Treatment Area I & II	_		~
or correct to pH 6.5		LimeTons/acr	E
Fertilizer 500 lbs/acre		Fertilizerlbs/acre	
(10-20-20 or equivalent)		(10-20-20 or equivalent)	
Mulch Hay or Straw Tons/acr		MulchTons/acr	
Seed* Orchardgrass 12 lbs/acre		Seed*lbs/acre	
Ladino Clover 3 lbs/acre		lbs/acre	
lbs/acre		lbs/acre	,
*Inoculate all legumes such as vetch Inoculate with 3% recommended amount.	, trefoil	and clovers with the proper bacterium.	
	FILLY PRE	FARED BY Doug McDonald	_
NOTES: Please request laufounces.		ADDRESS P.O. Box 709	_
seedling for one growing season.		Spencer, W.V. 25276	_
Attach separate sheets as necessary for comments.	FS	ONE NO. (304)927-5490	_



State of Mest Birginia

Bepartment of Mines Gil und Gas Division

THEODORE M. STREIT ADMINISTRATOR

47-087-3828

Charleston 25305

February 19. 1985

In Re: Permit No:

said bond in your behalf, in order that they may give you credit on their

Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above captioned well

will remain under bond coverage for life of the well.

Key Oil Company P. O. Box 709 Spencer, WV 25276

records.

BARTON B. LAY, JR.

DIRECTOR

				Farm:	Betty F. Hop	kins
				Well No:	340-2	
				District:	Harper	
				County:	Roane	
		*, *		Issued:	8-10-83	
÷ ;:						
Gentlem	en:					
			EPORT for the	•	ned well has be	en received
XXXXX			y the above ca		it number has b EVER DRILLED)	een release
				•	i which covered	

Very truly yours,

Theodore M. Streit, Administrator Dept. Mines-Office of Oil & Gas

B-12

STATE OF WEST VIRGINIA DEPARTMENT OF MINES OIL AND GAS DIVISION

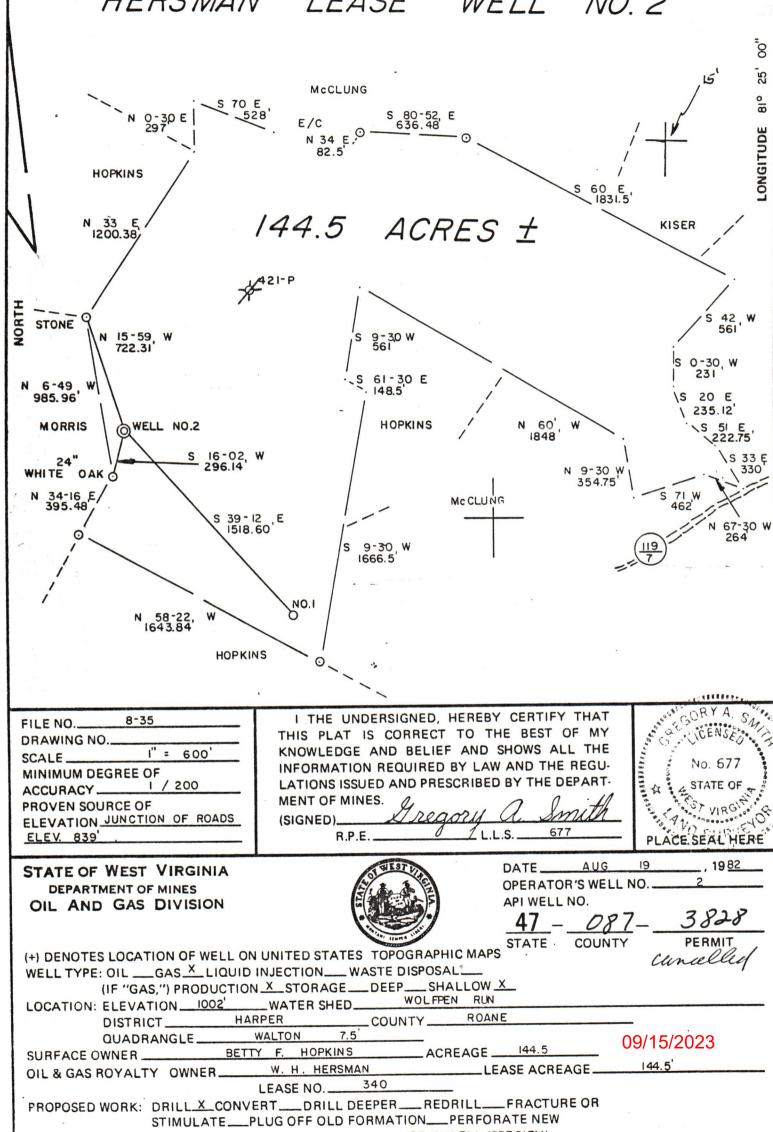
STATUS INSPECTION REQUEST INSPECTOR S COMPLIANCE REPORT

Permit No	•087-3828	County	Roane					
Company.	Key Oil, Inc.	Farm.	Betty F. Ho	pkins				
Inspector	• Homer Dougherty	Well No.	340-2					
Date.	September 20, 1984	Issued.	8-10-8	3				
RULE	DESCRIPTION			N COMPL ES	IANCE NO			
23.06	Notification Prior to starting World	k	_					
25.04	Prepared before Drilling to preven	t Waste	<u> </u>					
25.03	High-Pressure Drilling		_		-			
16.01	Required Permits at Wellsite							
15.03	Adequate Fresh Water Casing		DE	CE	WEM			
15.02	Adequate Coal Casing			550.4				
15.01	Adequate Production Casing		0#	FEB 1				
15.04	Adequate Cement Strength				MINES			
23.02	Maintained Access Roads							
25.01	Necessary Equipment to prevent Wast	te						
23.03	Reclaimed Drilling Site							
23.04	Reclaimed Drilling Pits							
23.05	No Surface or Underground Pollution	i						
7.03	Identification Markings							
COMMENTS:	Please issue final on cancellation	on if loca	tion is oka	y. Per	mit			
exp	expired on 4-10-84 and company says well was not drilled.							

09/15/2023

I have inspected the above well and (Have/Have Net) found it to be in compliance with all of the rules and regulations of the Office of Oil and Gas-Department of Mines of the State of West Virginia.

HERSMAN LEASE WELL NO. 2



FORMATION ___OTHER PHYSICAL CHANGE IN WELL (SPECIFY)

ESTIMATED DEPTH.

ADDRESS.

5100

P. O.

DESIGNATED AGENT JOE MCLAUGHLIN

CLEAN OUT AND REPLUG

PLUG AND ABANDON

TARGET FORMATION_

WELL OPERATOR_

ADDRESS.

MARCELLUS

INC

709

KEY OIL.

P. O. BOX