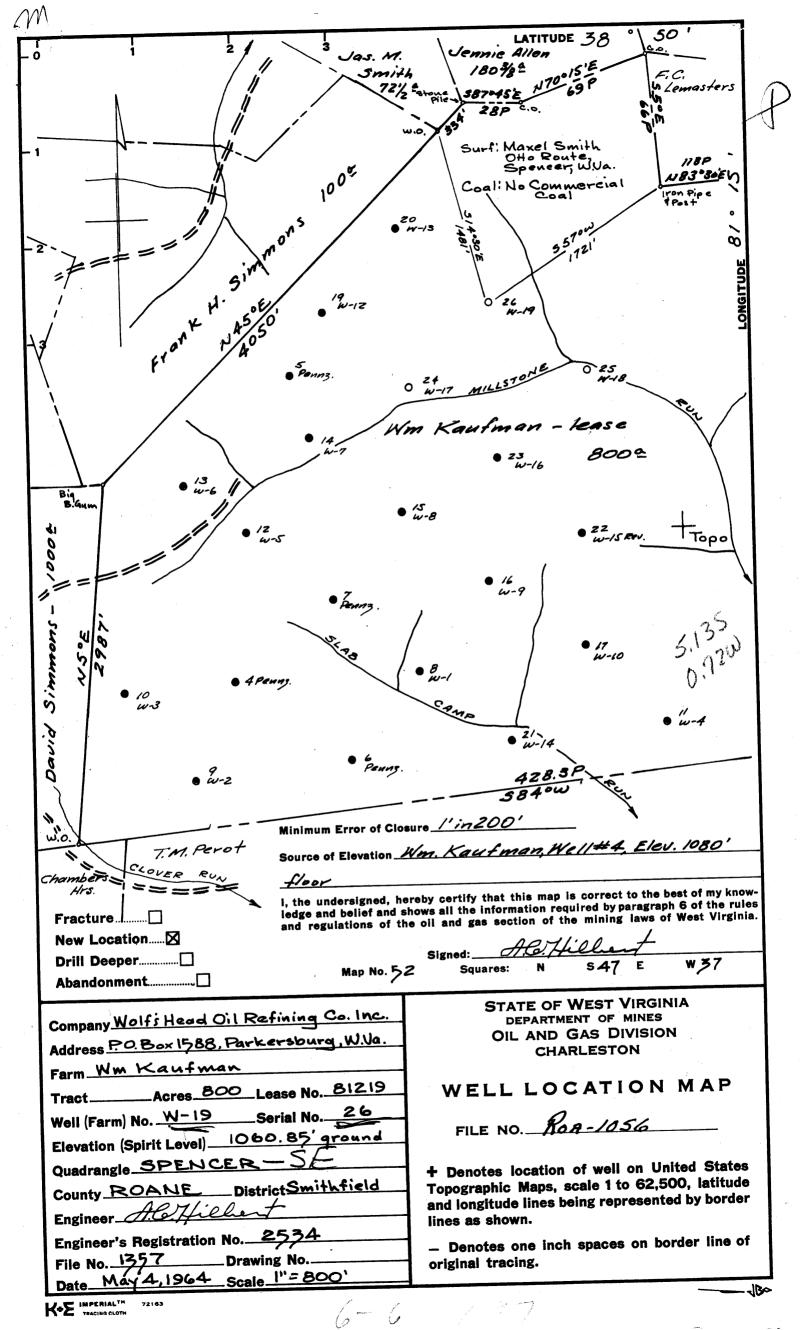


(197)

OCT 3 0 1972





# DEPARTMENT OF MINES OIL AND GAS DIVISION /6

Quadrangle SPENCER

Permit No. ROA-1056

#### WELL RECORD

Oil or Cas Wall Oil & Gas

QUOT P	IS HRAD OTI	PRETNING CO	MPANY, INC.				(KIAD)
• •		Parkersburg		Casing and Tubing	Used in Drilling	Left in Well	Packers
					Dilling	AA 611	· · · · · · · · · · · · · · · · · · ·
		ne Run		Size			
•	•		Elev.1060,85				
				16			Kind of Packer Steel Shoe
District Smithfield County Roane				13	0.		Guide Shoe
The surface of tract is owned in fee by Maxel Smith  Otto Route Address Spencer, W. Va.				10_ <b>3/4"OD</b>	91	91	\$12e of
				8 <b>% 5/8"OD</b>	4661	4661	44"OD
			nheimer, II,	65%	Talley.		44 OD Depth set
* *	=		irgh 8, Pa.	S.L.M.	D/ 2286 1 2272 1	2286 ' 2272 '	2248
_			64	<b>L</b>	22/2	22/2	22.72 top
Drilling complete	<b>x</b> d	June 19, 19	164	2 3/8"OD	2251.83'	2251.83	Perf. bottom
Date Shot	Fron	To	)	Liners Used			Perf. top
							Perf. bottom
Open Flow	/10ths Water i	n	Inch				
	/10ths Merc. i	n	Inch		Sur	ace te;	- (112/6/
Volume Dril	led w/Rotar	y (Show Only	Cu. Ft.	CASING CEMI			No. Ft. 6/13/64 Date
·			hrs.		43"	2272	6/20/64
		and the second s	_bbls., 1st 24 hrs.	COAL WAS E	NCOUNTERED	AT	FEETINCHES
				FEET	INC	HES	_FEETINCHES
4 Contract (1997)							_FEETINCHES
							BDA Acid, 175# J-98
		erger and 35	Gal. Freflo				
RESULT AFTER		- KPP	_50_000_Cu.	Ft.			
			400 Lbs.				
			-				
Fresh Water		reet		Salt Water		Fee	et
Formation	Color	Hard or	Тор	Bottom	Oil, Gas	Depth	Remarks
		Soft			or Water		
			_				
Top Soil			0	10		İ	
Conductor			10	9			
Red Rock Slate			10 20	20 85			
Sand			85	200		1	
Slate	,		200	230		•	
Red Rock			230	265		1	
Slate			265	295			
Sand			295	395			
Slate		}	395	420			
Red Rock			420	430			
Sand		1	430	470			·
Slate Red Rock			470	485			
Slate			485 495	495 515			
Red Rock			515	525		1	
Slate			525	675			
Red Rock			675	735		02021222	
Sand			735	765		William C	7273
Red Rock	7		765	815		1 . 9 .	
Slate			815	840	1		Mines 292 [3]
Sand			840	905	(S. N		. cf Mil.
Red Rock	:		905	925	\ <u>-</u> `	13,02	5 ( <u>E</u> E)
Slate Red Rock			925	965	1.0	1 828	
Slate		}	965 985	985 1245	13	1, ~ 0	~7. <b>Y</b>
Sand	*		1245	1350		12697	
Slate	,	1	1350	1375			
	1 : 1		. [ ] [ ]	7727		1	·

Formation	Color	Hard or Soft	Top /0	Bottom	Oil, Gas or Water	Depth Found	Remarks
Slate Sand Slate Sand Slate Sand Slate Sand Little Lime Pencil Cave			1400 1570 1620 1730 1760 1805 1920 1990 2027 2062	1570 1620 1730 1760 1805 1920 1990 2027 2062 2078		Found	Water
Big Lime Keener Big Injun Pay Slate 4½" Casing			2078 2193 2202 2206 2235	2193 2202 2235 2216 2277 2272	Oil & Gas	2115-2120	Show Only
TOTAL D	рертн			<b>2277</b>			
			n sie flær				
						::"	

July 13 , 19 64 APPROVED WOLF'S HEAD OIL REFINING COMPANY, INGWINE George/W. Wilsman, (Title) Agent





#### Oil and Gas Division

ou a e

### OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  Charleston, W. Va.	DATE Oct	ober 13, 19	72
a a Maria I Cristal	7	nzoil Compa	
O++ D + O TT TT			est Virginia 2610:
Address Otto Route, Spencer, W. Va.  Mineral Owner Alfred M. Dppenheimer II			
300 S. Lang Ave.	Farm Wm. Kaut		Acres800
Pittsburgh, Pa. 15200	Location (waters)		
Coal Owner			Elevation 1060.85
AddressNO_COMMEDITAL COAL			County Roane
Coal Operator NO COMMERCIAL COAL	_ Quadrangle Spe	encer	
Address	-		
			•
are or gave drive with Gripter	<b>3</b> 5	•	
one ja same, anno i a un e ripuer. Ti el de la la non is nersuy a, re			
fracturing This permit shall engine			
operations have not commer on by February 18,			
Fotul Loda			STUDED Frod Pundot
Deputy Director - Oil & Gas Division	***		OTHED Fred Burdet
	Sisson	nville, WV.	984-9263
ENTLEMEN:			
et al made to Carter Oil Co.	, , ,	on the	
			day of
9, in County, Book28	Page268		
	Page268		
9, in County, Book28		X KRAKA	
Ounty, Book 28	PageREDRILL D BEFORE JUNE 5,	X KRAXA 1969.	URE OR STIMULATE
9, inCounty, Book	PageREDRILL D BEFORE JUNE 5,	X KRAXA 1969.	URE OR STIMULATE
OLL AND GAS WELL ORIGINALLY DRILLER  The enclosed plat was prepared by a registered engineer of the been notified as of the above date.	Page 268 REDRILL DEFORE JUNE 5, or licensed land survey	X RRXXIII	OWNER OR STIMULATE
9, in County, Book 28  NEW WELL DRILL DEEPER OIL AND GAS WELL ORIGINALLY DRILLED  The enclosed plat was prepared by a registered engineer cave been notified as of the above date.  The above named coal owners and/or operator are hereby	Page 268  REDRILL D BEFORE JUNE 5, or licensed land survey	X RRXXXIII 1969.  or and all coal of the c	OWNER OR STIMULATE  Downers and/or operators  o make, or are required
9	Page 268  REDRILL D BEFORE JUNE 5, or licensed land survey notified that any objective with the Department	X FRACE 1969.  or and all coal of they wish the tof Mines with	owners and/or operators o make, or are required ain ten (10) days. *
NEW WELL DRILL DEEPER OIL AND GAS WELL ORIGINALLY DRILLER The enclosed plat was prepared by a registered engineer of the above date.  The above named coal owners and/or operator are hereby make by Section 3 of the Code, must be received by, or for the code of this notice and the enclosed plat were mailed by coal owners at their above shown respective address	Page 268  REDRILL D BEFORE JUNE 5, or licensed land survey notified that any objective with the Department of the d	X FRANCE 1969.  or and all coal of the wish the tent of Mines with the total about the second to the about the second to the about the second to the second to the second to the second the second to the second	owners and/or operators o make, or are required ain ten (10) days. * ve named coal operators before, or on the
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NEW WELL DRILL DEEPER OIL AND GAS WELL ORIGINALLY DRILLER  The enclosed plat was prepared by a registered engineer of ave been notified as of the above date.  The above named coal owners and/or operator are hereby make by Section 3 of the Code, must be received by, or for the Copies of this notice and the enclosed plat were mailed by coal owners at their above shown respective address me day with the mailing or delivery of this copy to the Department of the company of the copy to the Department of the copy to the copy to the Department of the copy to the copy to the Copy to the Department of the copy to the Copy to the Copy to the Department of the copy to t	Page 268	X FRANCE  1969.  or and all coal of the state of Mines with the state of the about the state of	owners and/or operators o make, or are required nin ten (10) days. * ve named coal operators before, or on the Virginia.
9	Page 268	X KRAXY  1969.  or and all coal of the street of Mines with sivered to the about the street of the s	owners and/or operators o make, or are required nin ten (10) days. * ve named coal operators before, or on the Virginia.  NY Curtis A. Lucas, Sur
9	Page 268	X FRANCE  1969.  or and all coal of the state of Mines with the state of the about the state of	owners and/or operators o make, or are required nin ten (10) days. * ve named coal operators before, or on the Virginia.

\*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

ROA-1056-FRAC.

BLANKET BOND

## THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSE	ED WORK ORDER TO	DRILL	DEEPEN X	ANKKORUNK-STIMULATE			
DRILLING	G-CONTRACTOR: (I	f Known)	RESPONSIBLE AGEN	RESPONSIBLE AGENT: NAME PENNZOIL COMPANY			
NAME	Hank Pence		NAMEPENNZO				
ADDRESS	3		ADDRESS Parker	sburg, West Virginia 26101			
				565			
ESTIMATI	ED DEPTH OF COMP	LETED WELL: 2277	ROTARY	_ CABLE TOOLS X			
PROPOSE	D GEOLOGICAL FOR	RMATION: Big Injun	_				
TYPE OF	WELL: OIL	X GAS	COMB STORAG	GE DISPOSAL			
		RECYC	LING WATER F	LOODOTHER			
mpsm s mx			•				
TENTATI	VE CASING PROGRA	M:					
CASING AND TUBING USED FOR		· · LEFT IN	CEMENT FILL UP				
	SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.			
20 - 16							
$\frac{13 - 10}{9 - 5/8}$	10-3/4	9	9 .				
8 - 5/8			466				
7			700				
5 ½							
4 1/2		2272	2272				
				Perf. Top			
2 Liners				Perf. Bottom			
Luiers				Perf. Top Perf. Bottom			
OF F TO DRILL SUBI WEL	PLAT. L DEEPER OR REDRI MIT FIVE (5) COPIES	LL: OF OG - 1, SHOWING OR TO 1929, A PERMANENT	IGINAL PERMIT NUMBER A	BOND AND PERMANENT COPY  AND PERFORMANCE BOND. ON  THE ORIGINAL WELL RECORD			
TO FRAC	TURE - STIMULATE:						
OIL . BON	AND/OR GAS WELL ( D, PERMANENT PLA	DRIGINALLY DRILLED BEF F AND ORIGINAL WELL R	FORE JUNE 5, 1929, FIVE (5 ECORD.	o) COPIES OG - 1, PERFORMANCE			
OIL . . ING (	AND/OR GAS WELL O ORIGINAL PERMIT N	ORIGINALLY DRILLED ON UMBER,AND PERFORMAN	AND/OR AFTER JUNE 5, 19 CE BOND.	929, FIVE COPIES OG - 1, SHOW-			
Requ four	ired forms must be file (24) hours in advance.	ed within ninety (90) days o	f completion for bond release	e. Inspector to be notified twenty-			
	•			•			
•		•					
The thereof.	following waiver must	be completed by the coal of	operator if the permit is to b	e issued within ten days of receipt			
WAIVER:	I the undersigned, Ag	ent for	Coal Company, Own	ner or Operator of the coal under			
•			maps this proposed well loc				
				well being drilled at this location,			
				d 7, Chapter 22 of the West Virginia			
			***************************************	For Coal Coa			
				For Coal Company			

Official Title