Division	5.0 9 # 4	- 1	B	RIAND AN	D ALLEG Comp			COM			-		Ī					
Record of	well No.	on James F. Hamilton					Farm 350					Acres						
Buckhannon Field				# 8	District	SHARW				Maryland		S	State					
Rig Commenced January, 3							completed February.						1955					
Drilling C	ommenced					Completed May						1955	-					
	r Union I						ldress		Was				sylv	ani	9			
				d Kahlba	ugh				- H SASS	The state of	- Care	1 5111	MJ TE	GILL.				
				CASING	G AND TUB		IG RECOF	RD										
	Conductor	13"	10"	8 1/4"	7"		6 5/8"	5 3/16" 4"		**	3"							
Used in Drlg.	-	921 101	508 16#	179618#	369418#						Th		Thr	eads	On			
Left in well	eft in well - 92 10" 5		50816#	179618# 369418#		R										Ħ		
PACK	ER RECOR	None				,	sнос	TING	RECO									
Size	Depth Set	Type Packer	Date	SCHOOL	XXXXXX		Amount	DEPTH Top Bottom			ttom	Volume Before Cu. Pt.				olume er Cu. Ft.		
			6-9-55	Hydrafra	AC	(S	ee Rema	rks)										
				V	DLUME A	ND	PRESSUE	SE.										
Date	Reading in Inches	Liquid	Size Orifice	Volume		S	and	PRESS		URE IN	30	60	24 Ho R. P	1.0	Max. R. P.	Hours		
6/20/55	40/10	М	<u>Jı</u> m	4.425.2	200 02	ris	kany	60	210						710	48		
TOTAL IN	TIAL OPEN	FLOW	4.425.20	0				CL	JBIC F	EETP	ER 2	4 HOL	JRS					
FORMATION			TOP	воттом	THICKNE	HICKNESS												
Clay			0	20	20	Water at 501. 3 Bailers per. hr.												
Slate			20	150	130													
Slate & Bhells			150	409 259														
Gritty Lime			409	459 50														
Slate & Shells			459	625	166		Ran 50	41911	of :	10" 0	Casin	100						
Lime			625	801	186													
Slate	& Shells	801	1612	811														
Lime			1612	1650 3														
Slate & Shells			1650	1710	1710 60													
Lime			1710	1725	15													
Slate & Shells			1725	2120	405		Ran 1782'5" of 8 5/8" Casing.											
Lime 2			2120	2200	80	80												
Slate & Shells			2200	2471	271		Gas Pays 3759-3789.											
Brown Shale			2471	2540	69		Gamma Ray Ran 4/26/55. Shows feet at 3803.											
Slate & Shells			2540	2672	132		Casing at 3674. Bottom Drille back to 3802'. Derrick floor											
Brown Shale			2672	2705	33	3 Well F			ured	5/18	3/55.	1600	O ga	1.Ke	eroser	18.		
Slate & Shells			2705	3063	358		38/10 W-3" before fracture. Form											
Broken Lime			3063	3080	17		at 3500#.											
Slate & Shells			3080	3152	72		Well acidized 6/9/55 W/2000 gal. HCL. acid. Preceeded by he bbl. of Kerosene. Packer se						id.					
Tulley Lime			3152	3165	13		at 363											

Used in Drig	-	921 101	508 16#	1796'8*	369418=							T	Threads	on			
Left in well		92' 10"		1796'8"									11	n			
PACE	KER RECOR				3022	5НО	OTING	3 REC	ORD								
Ser	Depth Set	Type Packer	Date	KEKREKEK	XXXXXX	Amount	T	DE	ЕРТН Во	Bottom	1 50	Volume fore Cu. Ft.		Volume After Cu. Ft.			
			6-9-55	Hydrafra		(See Rema	The same		T	Him		Ure s.		er oc.			
			0.7.77		DLUME AND												
Date	Reading	Liquid	Size Orifice	Volume		Sand	PRESSURE IN MIN 24 Hour Sand 1 5 10 30 60 R P.						IMBY R P	P. Hours			
6/20/55	ho/10	м	Orifice J1#	4.425.2	00 000	skany	777			30	0.0	JA.	710	48			
U/EV/	40/40			Halle Jan		Skary	100	Cu					144				
TOTAL IN	ITIAL OPEN	NFLOW	4.425.20	20			CI	UBIC	FEET	PER 2	24 HO	URS	1				
	www.acaza																
	FORMATION	N	TOP	воттом	THICKNESS	SS REMARKS											
Clay			0	20	20	Water at 50'. 3 Bailers per. hr.											
Slate			20	150	130	Ran 9	Ran 92'10" of 13" Casing.										
Slate	& Bhells		150	409	259												
Gritty			409	459	50												
	& Shells		459	625	166	Ran 50	04191	of	10"	Casi	ng.						
Lime			625	801	186												
	& Shells		801	1612	811												
Lime			1612	1650	38												
	& Shells		1650	1710	60												
Lime			1710	1725	15												
	& Shells		1725	2120	405	Ran 17	78215	5n of	8 5	/8"	Casir	ng.					
Iime			2120	2200	80												
	& Shells		2200	2471	271	Gas Pa	ays ?	3759-	-3789								
Brown S			2471	2540	69	Gamma	Ray	Ran	4/26	5/55.			t at 38				
Slate	& Shells		2540	2672	132	Casing	g at	3674	4. Bot	ttom	Dril	11ed 38	820. Fi	lled			
Brown			2672	2705	33	Well F	Fract	tured	1 5/18	8/55.	. 1996	er gal	above g	ne.			
	& Shells	,	2705	3063	358	38/10	W-3"	" bef	fore i	fract	ture.	Form	broke a	at			
Broken			3063	3080	17	at 350	00#.				CO. Line		frac in	•			
Slate	& Shells		3080	3152	72								HCL. ac				
Tulley	Lime		3152	3165	13	at 363	391.	Tail	1 pipe	e 121	41 00	puttin	ng botte	om of			
Slate	& Shells		3165	3527	_362 _	Tubing	g at	3755	51 . To	look a	acid.	from	300#-10	000#4			
Lime			3527	3570	43	flow.	Ran	swab	b to	12001	, me	et acid	d. On 2				
Slate	& Shells		3570	3639	69	run me	et ac	id a	it 50	0 . F	Begar	n flowi	ing.				
Brown	Break		3639	3641	2												
Onedas	zo Lime		3641	3669	28	Ran 3	6681	of '	7# Ca	sing	st	eel li	ne not	run.			
Chert			3669	3740	71	100	Set at top of Chert.										
	(Break)		3740	3658	18												
	any Sand		3758	3802	lih	TOTAL	חקקת	pu.	2820	hof	ano /	estitin	ng back	+- 38			

OTE—The above blank must be filled out carefully by the contractor, with a complete and accurate record of the well, and accompany, when presented for payment of the valid of drilling. All formations and known sands must be given by their proper name, with steel line measurements, and under the head of "Remarks" must be recorded in sand and at what depth Oil, Gas or water was found, the quantity of same, the quality of the sand, and thickness of pay.

## State of Maryland DEPARTMENT OF GEOLOGY, MINES AND WATER RESOURCES The Johns Hopkins University Baltimore 18, Maryland

Jas. Hamilton

APPLICATION FOR PERMIT TO DRILL OIL OR GAS WELL (Applications must be submitted in triplicate)

OWNER James F. Hamilton	LOCATION OF WELL								
STREET or R.F.D. Route 2	COUNTY Garrett								
POST OFFICE Oakland, Maryland	NEAREST POSTOFFICE Oakland								
	Distance from Post Office 7½ miles								
PERMIT TO DRILL WEIL	Direction from Post Office Southwest								
NOT TO BE FILLED IN BY APPLICANT	APPROXIMATE DEPTH OF WELL (feet) 3860  METHOD OF DRILLING Cable Tools  DEEPEST GEOLOGIC FORMATION WELL WILL BE DRILLED Oriskany								
PERMIT NO. // (Eleven)									
The permit is herewith granted subject to the conditions stipulated.									
Date January 6, 1955	DISTANCE OF WELL LOCATION 2200' (Adjoining pre-mises) TO NEAREST BUILDING (feet) 3650' (On leased premises)								
Date family 6, 1955  Special conditions that may apply:	NUMBER OF SHIFTS PER DAY  LICENSED DRILLER IN CREW OF EACH SHIFT  NAME  ADDRESS								
The names and post office addresses of the	These names may be supplied later but before drilling begins  owners of the tracts of land included on								

the plat or map accompanying the application are to be given below. Albert W. Snyder, R. D. #2, Oakland, Md.

Harvey W. Wolf, R. D. #2, Oakland, Md. James F. Hamilton, R. D. #2, Oakland, Md.

Delia I. Wolfe, R. D. #2, Oakland, Md.

H. C. Selders, R. D. #2, Oakland, Md.

Amos C. Martin, R. D. #2, Oakland, Md.

L. B. Shaffer, R. D. #2, Oakland, Md.

Adam J. Lucas, R. D. #2, Oakland, Md.

Ray C. Arnold, R. D. #2, Oakland, Md.

NOTE

A BOND FOR \$2,500 PAYABLE TO THE STATE OF MARYLAND MUST ACCOMPANY THE APPLICATION THIS APPLICATION FORM MUST BE FILLED OUT WITH TYPEWRITER OR IN BLOCK LETTERS