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	THAT THIS PLAT IS CORRECT	TTOTAL			
DRAWING NO.	MERL OF MA KNOW! EDGE WW	0 851188 445			
BCALE /= 300'	SHOWS ALL THE INFORMATI	ON REQUIRED			
MINIMUM DEGREE OF	DV LAW AND THE REGULATIONS ISSUED				
ACCURACY -05"	AND PRESCRIBED BY THE DEPARTMENT OF				
PROVEN BOURCE OF	(SIGNED) WKerin Snie				
ELEVATION	The state of the s				
(4)0500000	R.P.E. L.L.S		PLACE BEAL HORE		
(+) DENOTES LOCATION OF WELL ON UNITED STATES	15 1 57	DATE FEBRUAR	10 79		
TOPOGRAPHIC MAPS	ETUR SON	OPERATOR'S WE	11 100 27		
FORM IV-6	17.37	API WELL NO.			
(0-70		47 085	- 4621		
		STATE COUNTY	PERMIT		
	STATE OF WEST VIRGINIA		a doe a de antes de de		
WELL TYPE: OIL _ GAS _ LIQUE	OIL AND GAS DIVISION INJECTION WASTE DISPOSAL				
	WATER SHED OUNDELL RU	A /			
DIMINICY _ CAMY		VE			
SURFACE OWNER	TION AND		PRODUCTOR		
	ACREA	8E			
OIL & GAS ROYALTY OWNER	LEASE NO.	-LEASE ACRE	AGE 47		
PROPOSED WORK: DRILLCO	MVPRY DALL DEFE				
PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR FOR MATION PERFORATE NEW					
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ABORESS BOX 545 PENNSBARD	APORES				
PENNSESPO	WVH JGAN				
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DEPARTMENT OF MINES, OIL AND GAS DIVISION FORM IV-35 (Obverse) Operator's Well No. McCullough H WELL OPERATOR'S REPORT [08-78] CHANGE State County Perm: DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE WELL TYPE: 011 \_\_/ Gas \_\_/ Liquid Injection \_\_/ Waste Disposal \_\_/ (If "Gas", Production / / Underground storage / Deep / Shallow /) Elevation: Watershed: BUNNELL RUN LOCATION: District: CLAY County: RITCHIE Quadrangle: HARRISVILLE WELL OPERATOR PALMER HILL DESIGNATED AGENT NONE Address Box 545 Address \_\_\_\_ PENNSBORO, WIVA 26415 PERMITTED:WORK: Drill \_\_/ Convert \_\_/ Drill deeper \_\_/ Redrill \_\_/ Practure or stimulate \_\_\_ Plug off old formation / Perforate new formation / Other physical change in well (specify) \_\_\_ STRIPPER GAS CLASSIFICATION PERMIT ISSUED ON OIL & GAS INSPECTOR FOR THIS WORK: (IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED Address GEOLOGICAL TARGET FORMATION: \_\_\_ Depth \_\_\_\_\_\_ Fee\* Depth of completed well, \_\_\_\_\_\_ feet Rotary\_\_\_/ Cable Tools \_\_\_\_ Water strata depth: Fresh, \_\_\_\_feet; salt, \_\_\_\_feet. Coal seam depths: \_\_\_\_\_\_ Is coal being mined in the area?  $N_{\mathcal{O}}$ Work was commenced \_\_\_\_\_\_, 19\_\_\_\_\_, and completed \_\_\_\_\_ CASING AND TUBING PROGRAM CASING OR TUBING TYPE SPECIFICATIONS FOOTAGE INTERVALS Size Grade per ft New Used For drilling Left in well CEMENT FILL-UF PACKERS OR SACKS (Cubic feet) Canquator anchor Kinds Fresh water Coal · 2×65/8 Sizes Intermediate 638 Production 1786 1786 Depths set Tuting Liners Perforations: Top Bottom OPEN FLOW DATA Producing formation \_\_\_ Pay zone depth 1925 fee: Gas: Initial open flow, \_\_\_\_\_Mcf/d Oil: Initial open flow, \_\_\_\_\_Bbl/d Final open flow, Mcf/d Final open flow, \_\_\_\_\_Bb1/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 God: Initial open flow, \_\_\_\_\_\_ Mcf/d Oil: Initial open flow, \_\_\_\_\_ Bbl/d Final open flow, \_\_\_\_\_Mcf/d Final open flow, \_\_\_\_\_Bb1/d Time of open flow between initial and final tests, \_\_\_\_\_ hours Static rock pressure, \_\_\_\_\_ psig (surface measurement) after \_\_\_\_\_ hours shut in

STATE OF WEST VIRGINIA

Date FEB. 17, 197

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

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085-4681

ELL LOG

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FORMATION	Color	llard or Soft	Top Feet	Bottom Feet	Bemarks Including indication of all fresh and salt water, coal, cil and gas
Big Lime	STATE OF THE STATE	THE CONTRACTOR OF THE CONTRACT	17 76	1847	
Big Lime Keener	Source and a state of the state	· · · · · · · · · · · · · · · · · · ·	1851	1878	
Big Injun		Titalian de la companya de la compan	1878	19\$5	gas at 1925
Big Injun Total Depth		On the following the second sec		/ 930	
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(Attach separate sheets to complete as necessary)

Palmer Hill
Well Operator

By Almer Eleke

NOTE: Regulation 2.02(i) provides as follows:

"The term 'log' or 'well log' shall mean a systematic, detailed geologial record of all formations, including coal, encountered in the drilling of a well."