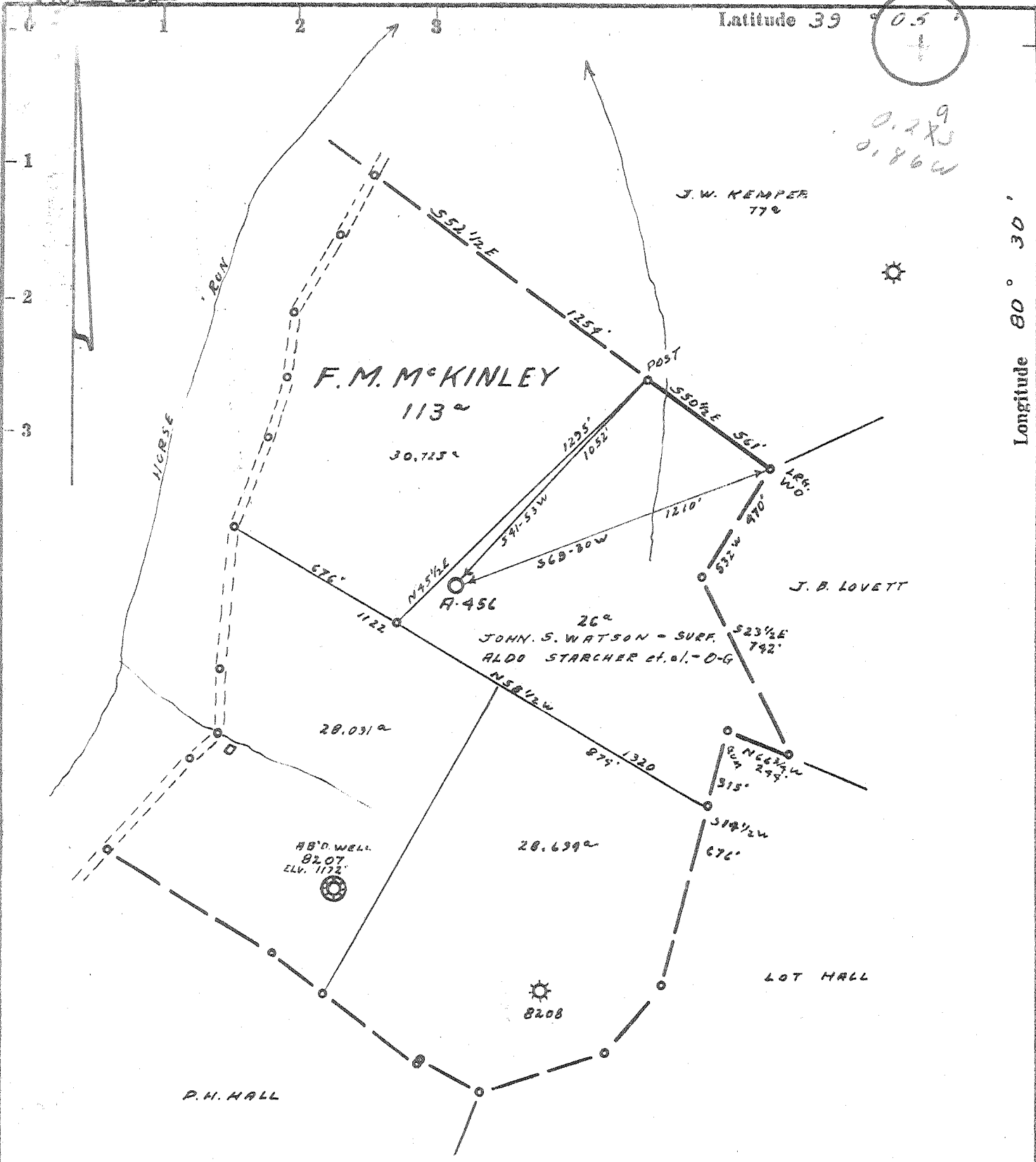


Latitude 39 <sup>0.5</sup>

0.2 X 3  
0.86 W

Longitude 80° 30'



- Fracture
- Redrill
- New Location
- Drill Deeper
- Abandonment

Source of Elevation AB'D. WELL NR 8207, ELV. 1172'  
 I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.  
 Minimum accuracy, one part in 200

Company: ALLEGHENY LAND & MINERAL CO.  
 Address: CLARKSBURG, W.VA. 26301  
 Farm: F.M. MCKINLEY  
 Tract: 26 ~ Acres: 113 Lease No. \_\_\_\_\_  
 Well (Farm) No. 3 Serial No. A-456  
 Elevation (Spirit Level): 1375'  
 Quadrangle: VADIS SE 24  
 County: LEWIS District: FREEMANS CK.  
 Engineer: R. J. McWilliam  
 Engineer's Registration No. 105 L.L.S.  
 File No. 221/44 Drawing No. \_\_\_\_\_  
 Date: 7-4-72 Scale: 1" = 500'

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION  
 CHARLESTON  
**WELL LOCATION MAP**  
 FILE NO. LEW-1866

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

+ Denotes one inch spaces on border line of original tracing  
Deep Well (Ant)



39° 05'  
80° 30'

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD 3

Quadrangle Vadis SE 2 4

Permit No. Lew-1866

Rotary  Oil \_\_\_\_\_  
Cable \_\_\_\_\_ Gas  \_\_\_\_\_  
Recycling \_\_\_\_\_ Comb. \_\_\_\_\_  
Water Flood \_\_\_\_\_ Storage \_\_\_\_\_  
Disposal \_\_\_\_\_ (Kind) \_\_\_\_\_

Company Allegheny Land & Mineral Co.  
Address Clarksburg, W. Va.  
Farm F. M. McKinley Acres 113  
Location (waters) \_\_\_\_\_  
Well No. A-456 Elev. 1375  
District Freemans Creek County Lewis  
The surface of tract is owned in fee by \_\_\_\_\_  
John S. Watson et ux  
Address 210 E 2nd St. Weston, W. Va.  
Mineral rights are owned by Aldo Starcher et al  
Route 3 Address Weston, W. Va.  
Drilling Commenced Aug. 24, 1972  
Drilling Completed Sept. 12, 1972  
Initial open flow \_\_\_\_\_ cu. ft. \_\_\_\_\_ bbls.  
Final production \_\_\_\_\_ cu. ft. per day \_\_\_\_\_ bbls.  
Well open \_\_\_\_\_ hrs. before test \_\_\_\_\_ RP.  
Well treatment details:

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size 20-16			
Cond. 20"	20'	20'	Cement to surf.
13-10"	13-3/8	391'	391'
9 5/8		1829'	1829'
8 5/8			
7			
5 1/2			
4 1/2	7237'	7237'	Cement to 837 from bottom
3			
2			210 bags cement
Liners Used			

Attach copy of cementing record.

Fractured by Halliburton 9-20-72  
Initial test after fracturing 1700 Mcf Rock Pres. 2100% 2 1/2 Hr.

Coal was encountered at 646 to 650 feet Feet \_\_\_\_\_ Inches \_\_\_\_\_  
Fresh water \_\_\_\_\_ Feet \_\_\_\_\_ Salt Water \_\_\_\_\_ Feet \_\_\_\_\_  
Producing Sand Shale - Huntersville Depth \_\_\_\_\_

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Soil			0	18		
Sand			18	108		
Sand & shale			108	646		
COAL	*****		646	650		
Sand & shale			650	1500		
Shale			1500	1532		
Big Lime			1532	1699		
Injun sand			1699	1806		
Shale			1806	1855		
Sand & shale			1855	2101		
Gordon sand			2101	2130		
Sand & shale			2130	2390		
5th sand			2390	2414		
Sand & shale			2414	3569		
Shale			3569	3668		
Sand & shale			3668	4376		
Benson Sand			4376	4384		
Shale			4384	4417		
Sand & shale			4417	4755		
Shale			4755	4903		
Sand & shale			4903	5060		
Shale			5060	5375		
Sand & shale			5375	5540		
Sand	rown		5540	5560		

Huntersville  
4 1/2" casing perforated:  
{ 6895 to 6981 -- 20 holes  
7003 to 7053 -- 16 "

RECEIVED  
OCT 13 1972

OIL & GAS DIVISION  
DEPT. OF MINES

(over)

\* Indicates Electric Log tops in the remarks section.

OCT 23 1972

Formation	Color	Hard or Soft	Top Feet <sup>3</sup>	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & shale		-	5560	5658		
Shale		-	5658	5948		
Sand & shale		-	5948	6058		
Shale		-	6058	6222		
Sand & shale		-	6222	6635		
Tully Lime		-	6635	6673		
Marcellus Shale		-	6673	6845		
Onondaga Lime		-	6845	6875		
Chert - <i>Huntersville</i>		-	6875	7095		
Oriskany sand		-	7095	7192		
Helderberg Lime		-	7192	7325		
Total depth		-	<del>7325</del>	7325		

~~7325~~  
~~4384~~  
~~294~~

*Exp. footage*  
*extends deep prod.*  
*disc. by Lev-1864*

Date September 21, 19 72

APPROVED Allegheny Land & Mineral Co. Owner

By Claron Dawson, Supt.  
(Title)



STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES

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JUL 7 1972

OIL & GAS DIVISION  
DEPT. OF MINES

Oil and Gas Division

OIL AND GAS WELL PERMIT APPLICATION

TO THE DEPARTMENT OF MINES,  
Charleston, W. Va.

DATE July 6th, 1972

Surface Owner John S. Watson, et ux.

Company Allegheny Land and Mineral Company

Address 240 E 2nd. St., Weston, WV. 26452

Address Box 1479, Clarksburg, WV. 26301

Mineral Owner Aldo Starcher, et al.

Farm F. M. McKinley Acres 113

Address Route # 3, Weston, WV. 26452

Location (waters) Horse Run of Freemans Creek

Coal Owner Aldo Starcher, et al.

Well No. 3-A-456 Elevation 1375'

Address Route # 3, Weston, WV. 26452

District Freemans Creek County Lewis

Coal Operator \_\_\_\_\_

Quadrangle VADIS SE

Address \_\_\_\_\_

INSPECTOR TO BE NOTIFIED

My Paul Thomas  
Box 12 PH: 772-6418  
Buckhannon  
W. Va. 26201

THIS PERMIT MUST BE POSTED AT THE WELL SITE

All provisions being in accordance with Chapter 22, of the W. Va. Code, the location is hereby approved for Drilling. This permit shall expire if operations have not commenced by 11-7-72.

Robert L. Fode  
Deputy Director - Oil & Gas Division

GENTLEMEN:

The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated see attached sheets by \_\_\_\_\_ made to \_\_\_\_\_ and recorded on the \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_ in \_\_\_\_\_ County, Book \_\_\_\_\_ Page \_\_\_\_\_

XX NEW WELL \_\_\_\_\_ DRILL DEEPER \_\_\_\_\_ REDRILL \_\_\_\_\_ FRACTURE OR STIMULATE \_\_\_\_\_ OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969.

The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date.

The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. \*

Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address \_\_\_\_\_ day \_\_\_\_\_ before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia.

Very truly yours, ALLEGHENY LAND AND MINERAL CO.  
(Sign Name) By: John S. Watson  
Well Operator  
Manager - Land, Lease and R/W  
Box 1479  
Street  
Clarksburg  
City or Town  
West Virginia - 26301  
State

Address of Well Operator

\*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.

BLANKET BOND

Law-1866 PERMIT NUMBER

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

PROPOSED WORK ORDER TO XX DRILL \_\_\_\_\_ DEEPEN \_\_\_\_\_ FRACTURE-STIMULATE \_\_\_\_\_  
 DRILLING CONTRACTOR: (If Known) \_\_\_\_\_ RESPONSIBLE AGENT: \_\_\_\_\_  
 NAME Burner-Morgan-Stephens NAME Allegheny Land and Mineral Company  
 ADDRESS \_\_\_\_\_ ADDRESS Box 1479, Clarksburg, WV, 26301  
 TELEPHONE \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
 ESTIMATED DEPTH OF COMPLETED WELL: 7400' ROTARY XX CABLE TOOLS \_\_\_\_\_  
 PROPOSED GEOLOGICAL FORMATION: Oriskany  
 TYPE OF WELL: OIL \_\_\_\_\_ GAS XX COMB. \_\_\_\_\_ STORAGE \_\_\_\_\_ DISPOSAL \_\_\_\_\_  
 RECYCLING \_\_\_\_\_ WATER FLOOD \_\_\_\_\_ OTHER \_\_\_\_\_

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LIFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16	20'	20'	Cement to surface
13 - 10 13 3/8"	400'	400'	Cement to surface
9 - 5 8	1800'	1800'	Cement to surface
8 - 5 8			
7			
5 1/2			Cement to 100' above
4 1/2	7400'	7400'	the Oriskany sand
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100' and possibly 700' from old records FEET \_\_\_\_\_ SALT WATER \_\_\_\_\_ FEET \_\_\_\_\_  
 APPROXIMATE COAL DEPTHS This location is below the workable coal beds in this area.  
 IS COAL BEING MINED IN THE AREA? No BY WHOM? \_\_\_\_\_

TO DRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, \$100.00 PERMIT FEE, PERFORMANCE BOND AND PERMANENT COPY OF PLAT.

TO DRILL DEEPER OR REDRILL:

SUBMIT FIVE (5) COPIES OF OG - 1, SHOWING ORIGINAL PERMIT NUMBER AND PERFORMANCE BOND. ON WELLS DRILLED PRIOR TO 1929, A PERMANENT COPY OF THE PLAT AND THE ORIGINAL WELL RECORD MUST ALSO BE SUBMITTED.

TO FRACTURE - STIMULATE:

OIL AND/OR GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1929, FIVE (5) COPIES OG - 1, PERFORMANCE BOND, PERMANENT PLAT AND ORIGINAL WELL RECORD.

OIL AND/OR GAS WELL ORIGINALLY DRILLED ON AND/OR AFTER JUNE 5, 1929, FIVE COPIES OG - 1, SHOWING ORIGINAL PERMIT NUMBER, AND PERFORMANCE BOND.

Required forms must be filed within ninety (90) days of completion for bond release. Inspector to be notified twenty-four (24) hours in advance.

The following waiver must be completed by the coal operator if the permit is to be issued within ten days of receipt thereof.

WAIVER: I the undersigned, Agent for \_\_\_\_\_ Coal Company, Owner or Operator of the coal under this lease have examined and place on our mine maps this proposed well location.

We the \_\_\_\_\_ Coal Company have no objections to said well being drilled at this location, providing operator has complied with all rules and regulations in Articles 4, 5, and 7, Chapter 22 of the West Virginia Code.

For Coal Company

Official Title