

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

Source of Elevation DRY HOLE, A-309; ELV. 1143.5'

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: Alamco, Inc. 010
 Address: Box 1740, Clarksburg, WV. 26302
 Farm: S.A. & C.M. HALL
 Tract _____ Acres 257.5 Lease No. _____
 Well (Farm) No. _____ Serial No. 11-457
 Elevation (Spirit Level) 1146'
 Quadrangle VADIS SE 2¹/₂ 15/Comden 7.5
 County LEWIS District FREEMANS, CK. 3
 Engineer P. S. Williams
 Engineer's Registration No. 105 L. L. S.
 File No. 221/102 Drawing No. _____
 Date 10-14-72 Scale 1" = 500'

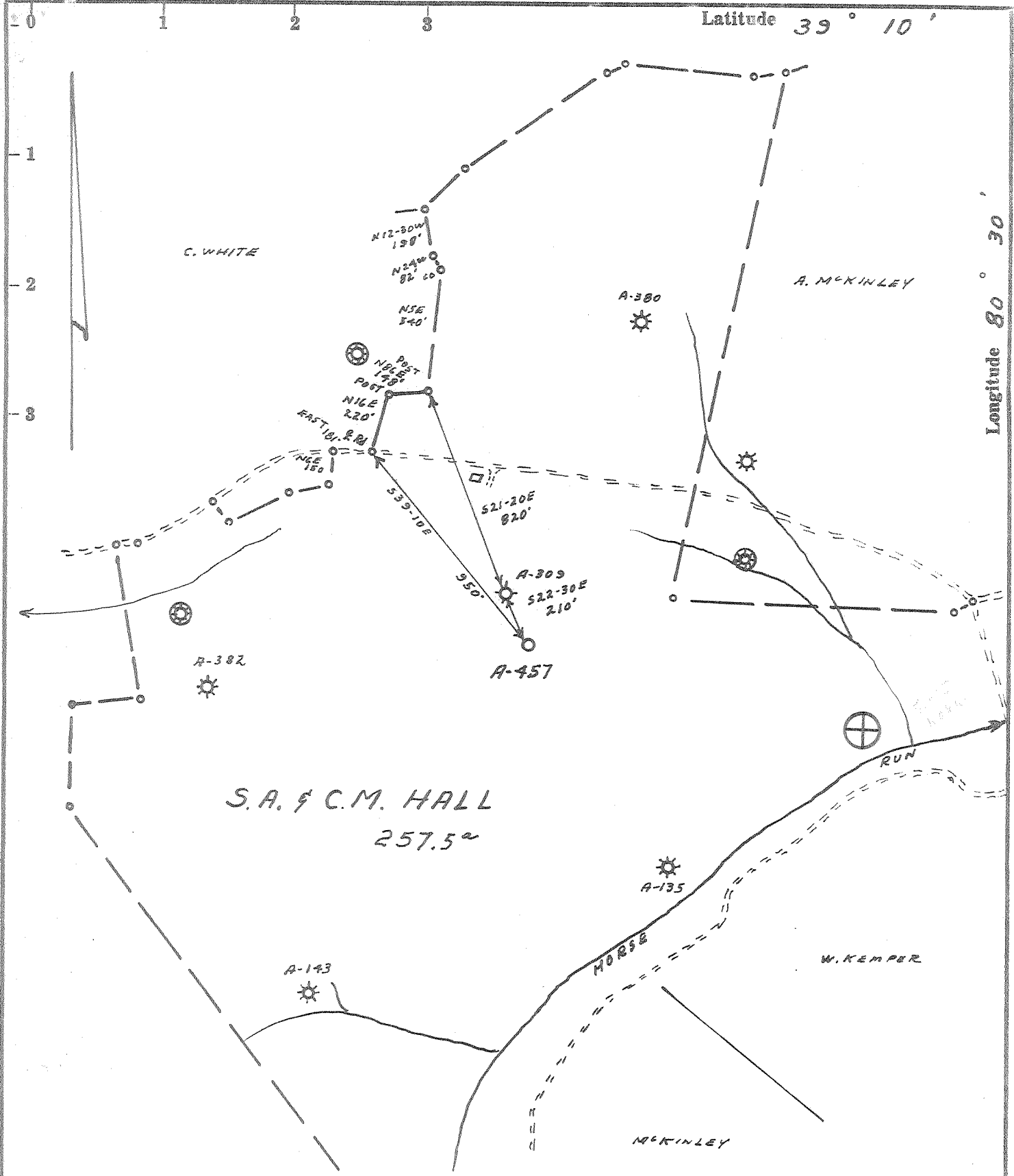
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 App Well No. 47-041-01889-7

• 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 2 1992



- Fracture
- Redrill
- New Location
- Drill Deeper
- Abandonment 12-16-74

Source of Elevation DRY HOLE, A-309; ELEV. 1143.5'

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	S.A. & C.M. HALL		
Tract	Acres	257.5	Lease No.
Well (Farm) No.			Serial No. A-457
Elevation (Spirit Level)	1146'		
Quadrangle	VADIS SE 2 ^d EC		
County	LEWIS District FREEMANS CK.		
Engineer	R. J. McMillan		
Engineer's Registration No.	105 L.L.S.		
File No.	221/102	Drawing No.	
Date	10-14-72	Scale	1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

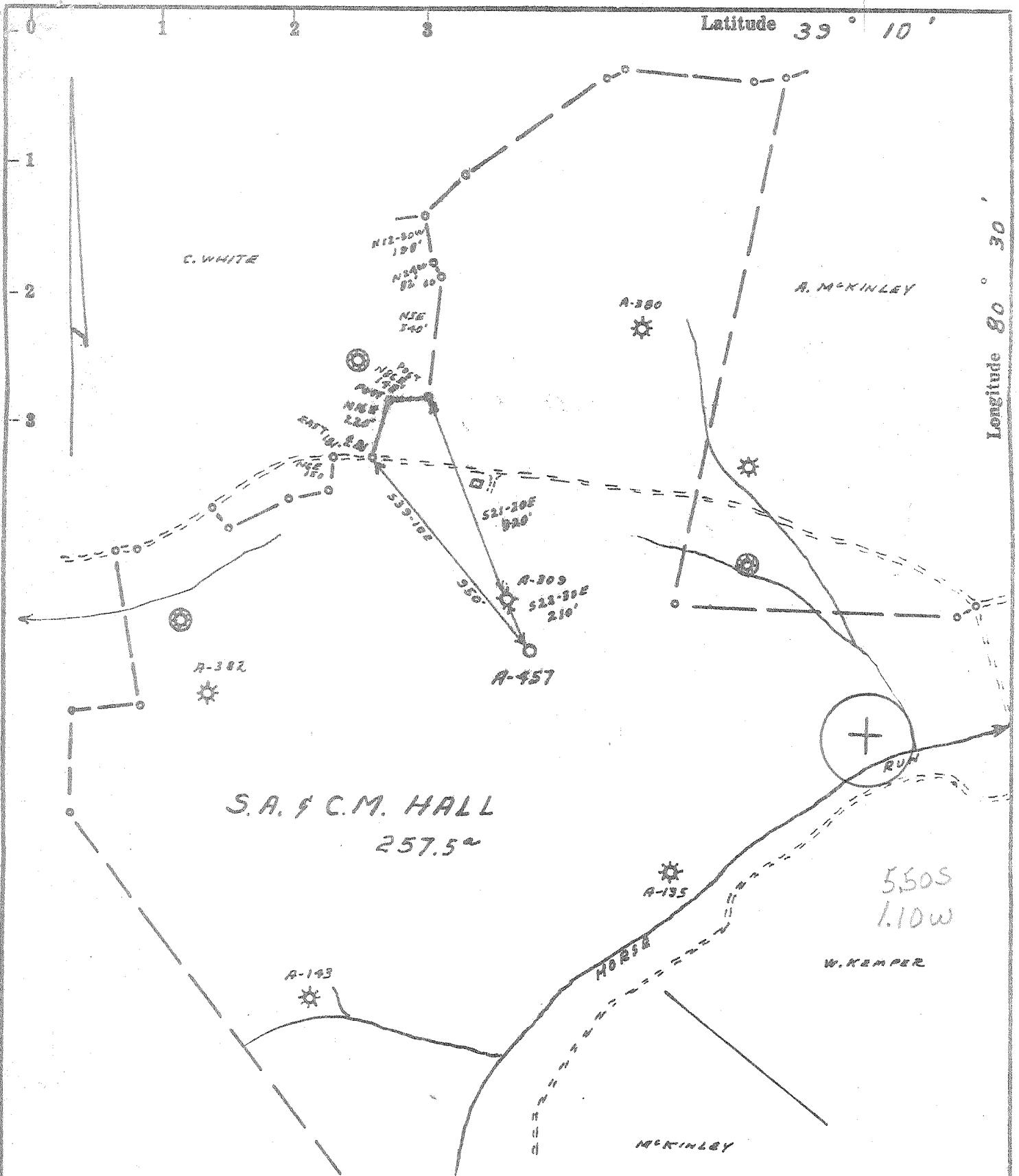
WELL LOCATION MAP
 FILE NO. Lew-1889-P

+ 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.

47-041 JAN 13 1975

Deep Well (orig.)



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

Source of Elevation DRY HOLE, A-309; ELY. 1143.5'

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	S.A. & C.M. HALL		
Tract	Acres	257.5	Lease No.
Well (Farm) No.			Serial No. A-457
Elevation (Spirit Level)	1146'		
Quadrangle	VADIS SE 2 nd EC		
County	LEWIS District FREEMANS CK.		
Engineer	R. J. McMillan		
Engineer's Registration No.	105 L.L.S.		
File No.	221/102	Drawing No.	
Date	10-14-72	Scale	1" = 500'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. Law-1889

+ 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



RECEIVED

JUN 18 1973

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL & GAS
DEPT. OF MINES

Oil and Gas Division

WELL RECORD

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

Quadrangle Vadis
Permit No. Lew-1889

Company Allegheny Land & Mineral Co.
Address Box P.O. Box 1479
Clarksburg, W. Va.
Farm S.A. & C.M. Hall Acres 257.5
Location (waters) Horse Run of Freemans
Creek
Well No. A-457 Elev. 1146
District Freemans Creek County Lewis
The surface of tract is owned in fee by Boyle Hall
Address RFD 1, Weston, W. Va. 26452
Mineral rights are owned by S.A. Hall et al
W. Va.
Address 216 State St. Weston,
Drilling Commenced April 12, 1973
Drilling Completed May 1, 1973
Initial open flow _____ cu. ft. _____ bbls.
Final production 208 M 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'	13'	
13-10"	238'	None	
9 5/8	1428'	1428'	Cemented to surface
8 5/8			690 Bags
7			
5 1/2			
4 1/2	7121'	7121'	Cemented 900'
3			300 bags
2			
Liners Used			

Attach copy of cementing record.

Fractured 5-29-73 By Dowell
Unable to get accurate test of flow of well or rock pressure

Coal was encountered at None Feet _____ Inches
Fresh water 80 Show Feet 80 Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Clay			0	12		
Shale			12	71		
Sand & shale			71	157	Fresh water	80 Show
Red Rock			157	167		
Shale & sand			167	196		
Shale			196	212		
Sandy shale			212	234		
Shale			234	250		
Sandy shale			250	430		
Sand			430	445		
Sand & shale			445	691		
Sand			691	777	Oil	740 Show
Shale			777	810		
Sand			810	842		
Sandy shale			842	875		
Sand			875	904		
Sandy shale			904	1203		
Sand			1203	1238		
Red Rock			1238	1244		
Sand & shale			1244	1300		
Sand			1300	1338		
Sand & shale			1338	1370		
Sand			1370	1400		

(over)

* Indicates Electric Log tops in the remarks section.

JUN 29 1973

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Shale		-	1400	1417		
Lime		Hard	1417	1444		
Lime		Med	1444	1480		
Sand		-	1480	1588		
Sand & shale		-	1588	1707		
Shale		-	1707	1765		
Sandy shale		-	1765	1855		
Shale		-	1855	1970		
Sand		-	1970	2137		
Sand & shale		-	2137	2345		
5th Sand		-	2345	2360	Gas	2355
Sandy shale		-	2360	2572		
Sand		-	2572	2869		
Sand & shale		-	2869	3350		
Shale		-	3350	3670		
Sand & shale		-	3670	4250		
Shale		-	4250	4280		
Benson Sand		-	4280	4301		
Shale		-	4301	4507		
Sand & shale		-	4507	5815		
Shale		-	5815	6050		
Sand & shale		-	6050	6488		
Tulley Lime		-	6488	6528		
Shale & Lime		-	6528	6704		
Onondaga Lime		-	6704	6735		
Huntersville Chert - Sand		-	6735	6964		
Oriskany Sand		-	6964	7046		
Helderberg Lime		-	7046	7140		
Total Depth		-		7140		

4 1/2" casing perforated:

6771	-	1	hole	} Huntersville chert
6774	-	1	"	
6794	-	1	"	
6821	-	1	"	
6833	-	1	"	
6843	-	1	"	
6846	-	1	"	
6866	-	1	"	
6877	-	1	"	
6887	-	1	"	
6910	-	1	"	} Oriskany
6964	-	1	"	
6966	-	1	"	
6970	-	1	"	
6998	-	1	"	
7001	-	1	"	
7003	-	1	"	
7007	-	1	"	
7008	-	1	"	

Date May 16, 19 73

APPROVED Allegheny Land & Mineral Co. Owner

By Claron Dawson, Supt.
(Title)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

RECEIVED

JAN 16 1973

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 January 11th, 1973

Surface Owner Doyle Hall Company Allegheny Land and Mineral Co.
Address RFD 1, Weston, WV 26452 Address Clarksburg, WV 26301
Mineral Owner S. A. Hall, et al. Farm SA & CM Hall Acres 257.5
Address 216 State St. Weston, WV 26452 Location (waters) Horse Run of Freemans Creek
Coal Owner same Well No. A-457 Elevation 1146'
Address same District Freemans Creek County Lewis
Coal Operator NONE Quadrangle VADIS SE
Address _____

INSPECTOR TO BE NOTIFIED Mr. Paul Thomas
Box 12 PH: 472-0418
Buckhannon

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 5-17-73

Robert S. Hall
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 17th. of August 1959 by S. A. Hall, et al. made to Allegheny Land and Mineral Co. and recorded on the 25th. day of August 1959 in Lewis County, Book 258 Page 541

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: [Signature]
Manager, Land Lease and R/W

Address
of
Well Operator

P. O. Box 1740
Street
Clarksburg,
City or Town
West Virginia 26301
State

*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

Lew-1889 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 Burtner-Morgan-Stephens NAME Allegheny Land and Mineral Co.
 ADDRESS Wooster, Ohio. ADDRESS Clarksburg, WV 26301
 TELEPHONE _____ TELEPHONE 624-7659
 ESTIMATED DEPTH OF COMPLETED WELL: 7000' ROTARY XX CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Oriskany Sand
 TYPE OF WELL: OIL _____ GAS XX COMB. _____ STORAGE _____ DISPOSAL _____
 RECYCLING _____ WATER FLOOD _____ OTHER _____

TENTATIVE CASING PROGRAM:

CASING AND TUBING SIZE	USED FOR DRILLING	LEFT IN WELL	CEMENT FILL UP OR SACKS - CUBIC FT.
20 - 16	20'	20'	cement to surface
13 - 10	400'	400'	cement to surface
9 - 5/8	1800'	1800'	cement to surface
8 - 5/8			
7			
5 1/2			
4 1/2	7000'	7000'	cement to 100' above Oriskany sand.
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS 100 and 700 FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS 417' _____
 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

041 1889 Frac
 Issued 6/30/92
 Expires 6/30/94

RECEIVED
 Office of Oil
 Permitting
 JUN 25 1992
 WV Division of
 Environmental Protection

FORM WW-2B

STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
 WELL WORK PERMIT APPLICATION
 Page 3 of 10
 47-041-01889 F

- 1) Well Operator: ALAMCO, INC. 975 (3) 646
- 2) Operator's Well Number A-457 (HALL) 3) Elevation: 1146'
- 4) Well type: (a) OIL / or GAS XX /
 (b) If Gas: Production XX / Underground Storage /
 Deep / Shallow XX /
- 5) Proposed Target Formation(s): Pocahontas, 30', Gordon Stray, Gordon, 5th & Bayard
- 6) Proposed Total Depth: ~~2121'~~ 2650' feet
- 7) Approximate fresh water strata depths: 80'
- 8) Approximate salt water depths: ----
- 9) Approximate coal seam depths: ----
- 10) Does land contain coal seams tributary to active mine? Yes / No XX /
- 11) Proposed Well Work: SEE ATTACHED
- 12) CASING AND TUBING PROGRAM

This well was previously plugged back. See plugging affidavit 12/27/77.

TYPE SPECIFICATIONS FOOTAGE INTERVALS CEMENT

TYPE	SPECIFICATIONS	FOOTAGE INTERVALS	CEMENT			
	SIZE	GRADE	WEIGHT PER FT.	FOR DRILLING	LEFT IN WELL	FILL-UP (Cu. Ft.)
Conductor	20"			20'	13'	
Fresh Water	13"-10"			238'	0'	
Coal						
Intermediate	9-5/8"			1428'	1428'	TO SURFACE
Production	4-1/2"		J.55 10.50#	2121'	2121'	TO 2170'
Tubing		<i>Plugged</i>	<i>6100' of Pipe</i>	2650'	2650'	<i>TOP 1900'</i>
Liners				3376'	3376'	

PACKERS: Kind NONE
 Sizes ----
 Depths Set ----

Checked back to 2650'

23 For Division of Oil and Gas Use Only

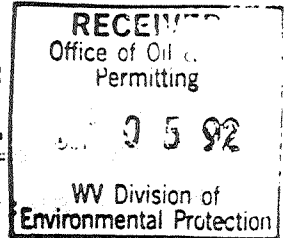
Fee(s) paid: Well Work Permit Reclamation Fund WPCP

Plat WW-9 WW-2B Bond Agent

Blanket Order

1) Date: June 2, 1992
2) Operator's well number
A-457 (HALL)
3) API Well No: 47 - 041 - 01889
State - County - Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS
NOTICE AND APPLICATION FOR A WELL WORK PERMIT



4) Surface Owner(s) to be served:
(a) Name Robert D. Hall
Address RD #1, Box 82-B
Waynesburg, PA 25370
(b) Name Alice J. Fisher
Address RT. 1, Box 281
Weston, WV 26452
(c) Name Lena H. Hall
Address RT. 1, Box 275
Weston, WV 26452
6) Inspector Tim Bennett
Address 737 Karl Street
Weston, WV 26452
Telephone (304)- 269-6167

5) (a) Coal Operator
Name N/A
Address _____
(b) Coal Owner(s) with Declaration
Name SAME AS SURFACE OWNERS
Address _____
Name _____
Address _____
(c) Coal Lessee with Declaration
Name N/A
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
XX Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)
I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 9 on the above named parties, by:
Personal Service (Affidavit attached)
XX Certified Mail (Postmarked postal receipt attached)
Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.
I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator ALAMCO, INC.
By: Marty Ben
Its: Manager, Land
Address P. O. Box 1740
Clarksburg, WV 26302
Telephone 304 623-6671

Subscribed and sworn before me this 2nd day of June, 1992
Elmer A. Cox
My commission expires February 21, 1999
COMMISSIONER