



FILE NO. 306
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200
 PROVEN SOURCE OF ELEVATION A.L. AND M. Co. WELL #A-810 ELEVATION 974'

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Daniel L. Wheeler
 R.P.E. _____ L.L.S. 530

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE SEPTEMBER 21st 19 79
 OPERATOR'S WELL NO. A-851
 API WELL NO. 47-017-2493
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS,") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1083' WATER SHED SUGAR RUN
 DISTRICT SOUTHWEST COUNTY DODDRIDGE
 QUADRANGLE DYFORD 7.5', HOLBROOK 15' NC
 SURFACE OWNER RICHARD C. CROFFORD ACREAGE 94 Ac.
 OIL & GAS ROYALTY OWNER CLED C. GRAY LEASE ACREAGE 318.23 Ac.
 LEASE NO. 26
 PROPOSED WORK: DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

OCT 12 1979

PLUG AND ABANDON CLEAN OUT AND REPLUG
 TARGET FORMATION WEIR ESTIMATED DEPTH 2450'
 WELL OPERATOR ALLEGHENY LAND & MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND & MINERAL CO.
 ADDRESS SCHRATH BUILDING - P.O. BOX 1740 ADDRESS SCHRATH BUILDING - P.O. BOX 1740
66 CLARKSBURG, WEST VIRGINIA 26301 STRAIGH FK CLARKSBURG, WEST VIRGINIA 26301 133

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

Date November 21, 1979

FORM IV-35
(Obverse)

Operator's
Well No. A-851

[08-78]

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

API Well No. 47 - 017 - 2493
State County Permit

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
(If "Gas", Production / Underground storage / Deep / Shallow /)
LOCATION: Elevation: 1083' Watershed: Sugar Run
District: Southwest County: Doddridge Quadrangle: Oxford 7.5'

WELL OPERATOR ALLEGHENY LAND & MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND & MINERAL CO.
Address P. O. BOX 1740 Address P. O. BOX 1740
CLARKSBURG, W. VA. 26301 CLARKSBURG, W. VA. 26301

PERMITTED WORK: Drill / Convert / Drill deeper / Redrill / Fracture or stimulate
Plug off old formation / Perforate new formation /
Other physical change in well (specify) _____
RECEIVED
DEC - 3 1979

PERMIT ISSUED ON September 27, 1979 OIL & GAS INSPECTOR FOR THE WORK DEPT. OF MINES
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Paul Garrett
Address 321 Beech Street
Clarksburg, WV 26301

GEOLOGICAL TARGET FORMATION: Weir Depth 2450' feet
Depth of completed well, 2578 feet Rotary / Cable Tools
Water strata depth: Fresh, 980 feet; salt, _____ feet.
Coal seam depths: _____ Is coal being mined in the area? _____
Work was commenced October 11, 19 79, and completed October 24, 19 79

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS				FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling		
Conductor								Kinds
Fresh water	<u>8-5/8"</u>			<input checked="" type="checkbox"/>		<u>490'</u>	<u>490'</u>	<u>Cemented to surface</u>
Coal								Sizes
Intermediate								
Production	<u>1 1/2"</u>			<input checked="" type="checkbox"/>		<u>2408'</u>	<u>2408'</u>	<u>" Best 1658'</u>
Tubing								
Liners								Perforations:
								Top Bottom

OPEN FLOW DATA

Producing formation Injun Pay zone depth 1970-2040 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 24 Mcf/d Final open flow, _____ Bbl/d
199MCF Time of open flow between initial and final tests, _____ hours
Static rock pressure, 425# psig (surface measurement) after 48 hours shut in.

[If applicable due to multiple completion--]

Second producing formation Weir Pay zone depth 2212-2338 feet
Gas: Initial open flow, _____ Mcf/d Oil: Initial open flow, _____ Bbl/d
Final open flow, 175 Mcf/d Final open flow, _____ Bbl/d
Time of open flow between initial and final tests, _____ hours
Static rock pressure, 725# psig (surface measurement) after 48 hours shut in.

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:

ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) UNION DRILLING COMPANY
 Address P.O. BOX 40
BUCKHANNON, WEST VIRGINIA 26201

GEOLOGICAL TARGET FORMATION, Weir
 Estimated depth of completed well, 2450 feet Rotary XX / Cable tools ___/
 Approximate water strata depths: Fresh, 110 feet; salt, ___ feet.
 Approximate coal seam depths: 175 is coal being mined in the area?
 Yes ___ / No XX /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SIZE	SPECIFICATIONS			FOOTAGE INTERVALS		CEMENT FILL UP		
		GRADE	Weight Per ft.	New	Used	For drilling	left in well	OR SACKS (cubic ft.)	Packers
Conductor	16"				X	20'	20'	cement to surface	kinds
Fresh Water	8-5/8"								
Coal	8-5/8"		20#	X		600'	600'	cement to surface	sizes
Intermediate									
Production	4 1/2"		J 55 10.50#	X		2450'	2450'	cement to 300' above producing horizon	depths set
Tubing									
Liners									perfor- ations: Top bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code S 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code S 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code S 22-4-12a, and (v) if applicable, the consent required by Code S 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

The Following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code S 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

W A I V E R

The undersigned coal operator ___ / owner ___ / lessee ___ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: 19