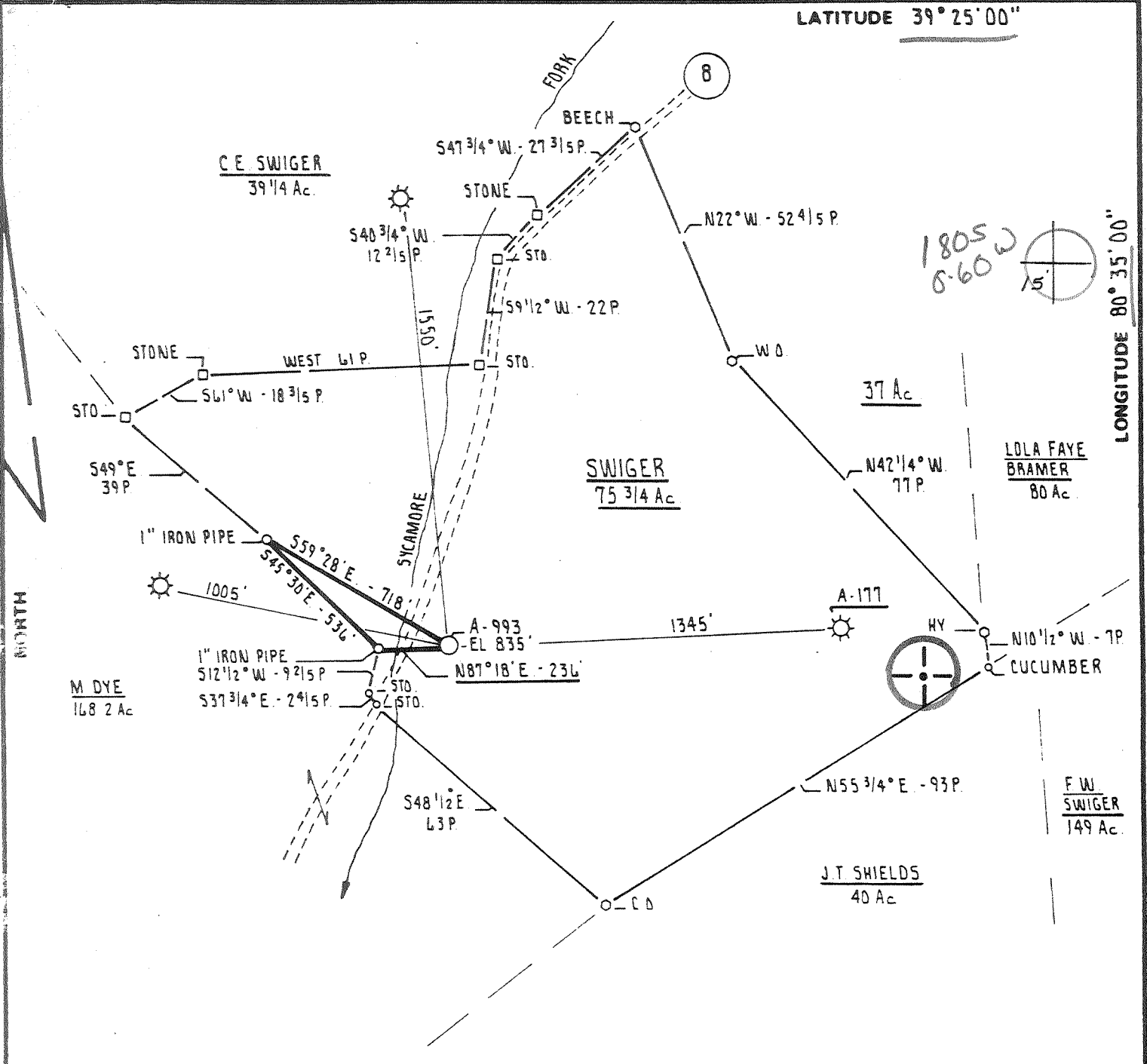


NORTH



FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 PART IN 200  
 PROVEN SOURCE OF ELEVATION U.S. COAST AND GEODETIC SURVEY B.M. R-137 ELEV. 832'

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) Cecil R. Main  
 R.P.E. \_\_\_\_\_ L.L.S. 711

PLACE SEAL HERE

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



DATE MAY 26, 19 81  
 OPERATOR'S WELL NO. A-993  
 API WELL NO. \_\_\_\_\_  
47 - 017 - 3034  
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

WELL TYPE: OIL \_\_\_ GAS X LIQUID INJECTION \_\_\_ WASTE DISPOSAL \_\_\_  
 (IF "GAS,") PRODUCTION X STORAGE \_\_\_ DEEP \_\_\_ SHALLOW X  
 LOCATION: ELEVATION 835' WATER SHED SYCAMORE FORK  
 DISTRICT McCLELLAN COUNTY DODDRIDGE  
 QUADRANGLE FOLSOM T.5' Centerpoint C  
 SURFACE OWNER DALLAS C. SWIGER ACREAGE 75 3/4 Ac.  
 OIL & GAS ROYALTY OWNER SWIGER LEASE ACREAGE 75 3/4 Ac.  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL X CONVERT \_\_\_ DRILL DEEPER \_\_\_ REDRILL \_\_\_ FRACTURE OR STIMULATE \_\_\_ PLUG OFF OLD FORMATION \_\_\_ PERFORATE NEW FORMATION \_\_\_ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_  
 PLUG AND ABANDON \_\_\_ CLEAN OUT AND REPLUG \_\_\_  
 TARGET FORMATION 5<sup>th</sup> SAND ESTIMATED DEPTH 3500 Smithton-Flint-Sedalia (99)  
 WELL OPERATOR ALLEGHENY LAND AND MINERAL CO. DESIGNATED AGENT ALLEGHENY LAND AND MINERAL CO.  
 ADDRESS P.O. BOX 1740 ADDRESS P.O. BOX 1740  
CLARKSBURG, WEST VIRGINIA 26301 CLARKSBURG, WEST VIRGINIA 26301

AUG 11 1981



Date November 29, 1983  
 Operator's                       
 Well No. A-993  
 Farm Swiger  
 API No. 47 - 017 - 3034

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
**OIL and GAS DIVISION**  
 WELL OPERATOR'S REPORT  
 OF

**RECEIVED**  
 NOV 30 1983

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE OIL & GAS DIVISION

DEPT. OF MINES

WELL TYPE: OIL    / GAS X / LIQUID INJECTION    / WASTE DISPOSAL     
 (If "Gas", Production    / Underground Storage    / Deep    / Shallow XX /)

LOCATION: Elevation: 835' Watershed Sycamore Fork  
 District: McClellan County: Doddridge Quadrangle: Folsom 7.5'

COMPANY ALAMCO, Inc.  
 ADDRESS 200 West Main Street  
Clarksburg, West Virginia 26301

DESIGNATED AGENT ALAMCO, Inc.  
 ADDRESS 200 West Main Street  
Clarksburg, West Virginia 26301

SURFACE OWNER Dallas C. Swiger  
 ADDRESS Rt 2 Salem, W. Va.

MINERAL RIGHTS OWNER same as above  
 ADDRESS                                     

OIL AND GAS INSPECTOR FOR THIS WORK Stephen  
Casey ADDRESS Rt 2 Box 232-D, Jane Lew

PERMIT ISSUED July 27, 1981

DRILLING COMMENCED August 19, 1981

DRILLING COMPLETED August 26, 1981

IF APPLICABLE: PLUGGING OF DRY HOLE ON  
 CONTINUOUS PROGRESSION FROM DRILLING OR  
 REWORKING. VERBAL PERMISSION OBTAINED  
 ON                                     

Casing & Tubing Size	Used in Drilling	Left in Well	Cement fill up Cu. Ft.
20-16 Cond.			
13-10"			
9 5/8"			
8 5/8"	1326'	1326'	to surface
7"			
5 1/2"			
4 1/2"	2691'	2691'	w/250 sks. 1550'
3			
2			
Liners used			

GEOLOGICAL TARGET FORMAION Fifth DEPTH 3500 FEET

Depth of completed well 2755 feet Rotary xx / Cable Tools             
 Water Strata depth: Fresh 55' feet Salt            feet  
 Coal seam depth: 1300-1326 Is coal being mined in this area?           

OPEN FLOW DATA

Producing formation Injun, Pocono & Fourth Pay zone depth (see back)            feet  
 Gas: Initial open flow none Mcf/d Oil: Initial open flow            Bbl/d  
 Final open flow 198 Mcf/d Final open flow            Bbl/d  
 Time of open flow between initial and final tests 8 hours  
 Static rock pressure 50 psig ( surface measurement after 4 hours shut-in  
 (If applicable due to multiple completion--)  
 Second producing formaton            Pay zone dpeth            feet  
 Gas: Initial open flow            Mcf/d Oil: Initial open flow            Bbl/d  
 Final open flow            Mcf/d Final open flow            Bbl/d  
 Time of open flow between initial and final tests            hours  
 Static rock pressure            psig (surface measurement) after            hours shut-in  
 (continue on reverse side)

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

Well was fractured September 11, 1981  
 Perforations: 1792 - 1800 B. Injun  
                   1846 - 1852  
                   1858 - 1866 Pocono  
                   2562 - 2568 Fourth

WELL LOG

FORMATION COLOR HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Fill	0	40	Water @ 55'
Sand	40	165	Gas @ 1870' show
Shale	165	170	
Lime	170	190	
Shale	190	195	
Lime	195	210	
Sand & Shale	210	710	
Red Rock	710	750	
Sand & Shale	750	1024	
Salt Sand	1024	1200	
Sand & Shale	1200	1300	
Coal	1300	1326	
Sand & Shale	1326	1675	
L. Lime	1675	1718	
B. Lime	1718	1860	
Sand & Shale	1860	2040	
Sand	2040	2060	
Shale	2060	2080	
Sand & Shale	2080	2276	
Shale	2276	2300	
Sand & Shale	2300	2755 T.D.	

410 @ T.D.

(Attach separate sheets as necessary)

ALAMCO, Inc.

Well Operator

By: Raymond J. [Signature]  
 Vice President Oil & Gas Operations

Date: November 29, 1983

Note: Regulation 2.02 (i) provides as follows  
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."



RECEIVED  
JUL 10 1981  
DEPT. OF MINES

//u//  
Form IV-2  
(Obverse)  
(08-78)

DATE June 10, 1981

STATE OF WEST VIRGINIA  
DEPARTMENT OF MINES, OIL and GAS DIVISION  
OIL and GAS WELL PERMIT

Operator's Well No. A-993  
API Well No. 47 - 017 - 3034  
State County Permit

WELL TYPE: Oil        / Gas XXX /  
If "Gas", Production        / Underground storage        / Deep        / Shallow XXX / )  
LOCATION: Elevation: 835' Watershed: Sycamore Fork  
District: McClellan County: Doddridge Quadrangle: Folsom 7.5'

WELL OPERATOR Allegheny Land and Mineral Company  
Address P. O. Drawer 1740  
Clarksburg, West Virginia 26301

DESIGNATED AGENT Allegheny Land & Mineral Company  
Address P. O. Drawer 1740  
Clarksburg, West Virginia 26301

OIL & GAS  
ROYALTY OWNER Dallas C. Swiger  
Address Route 2  
Salem, West Virginia 26426

COAL OPERATOR None  
Address       

SURFACE OWNER Dallas C. Swiger  
Address Route 2  
Salem, West Virginia 26426  
Acreage 75.75

COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name W. G. Tetrick, Jr., etal  
Address c/o Union Nat'l Bank, Trustee  
Clarksburg, West Virginia 26301  
Name Consolidation Coal Company  
Address P. O. Box 266  
Bluefield, West Virginia 24701

FIELD SALE (IF MADE) TO: Consolidated Gas Supply  
Address 445 West Main Street  
Clarksburg, West Virginia 26301

COAL LESSEE WITH DECLARATION ON RECORD:  
Name None  
Address       

OIL AND GAS INSPECTION TO BE NOTIFIED  
Name Stephen Casey  
Address Route 2, Box 232-D  
Jane Lew, West Virginia 26378

The undersigned well operator is entitled to operate for oil or gas purposes as the above location under a deed  
       / lease XXX / other contract        / dated August 25, 1960, to the undersigned well operator from         
Delphia M. Swiger, etal  
(If said deed, lease, or other contract has been recorded:)

Recorded on December 19, 1960, in the office of the Clerk of the County Commission of Doddridge County, West  
Virginia in Lease Book 67 at page 69. A permit is requested as follows:

PROPOSED WORK: Drill XXX / Drill deeper        / Redrill        / Fracture or stimulate        /  
Plug off old formation        / Perforate new formation        /  
Other physical change in well (specify)       

-planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish  
to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days  
after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail  
or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the  
mailing or delivery of this Permit Application to the Department of Mines at Charleston, West(Virginia).

PLEASE SUBMIT COPIES OF ALL  
GEOPHYSICAL LOGS DIRECTLY TO  
  
WEST VIRGINIA OIL AND GAS  
CONVERSATION COMMISSION  
1615 WASHINGTON STREET, EAST  
CHARLESTON, WV 25311  
  
Telephone (304) 348-3092

BLANKET BOND

ALLEGHENY LAND AND MINERAL COMPANY

BY: Daniel L. Wheeler  
Daniel L. Wheeler, Vice President  
P. O. Drawer 1740  
Clarksburg, West Virginia 26301

