



Surface owner:
Caldwell J. Hutson
 Box 14, Moyock, N.C.
 27958

Minimum Error of Closure 1 in 200'
 Sources of Elevation U.S.G.S. B.M. (shown) = 986

- Fracture
- New Location
- Drill Deeper
- Abandonment

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.

Signed: [Signature]
 Squares: N S E W

Map No. _____

Company PACE PIPELINE COMPANY

Address MAWER B, DELMONT, PA. 15626

Farm W.L. Slusser, GLADWELL J. HUTSON

Tract _____ Acres 23.87 Lease No. _____

Well (Farm) No. One Serial No. _____

Elevation (Spirit Level) 1017

Quadrangle Big Isaac T 1/2, VAQIS 15' NE

County Doddridge District Greenbrier

Engineer [Signature]

Engineer's Registration No. 1227 LLS 200

File No. _____ Drawing No. _____

Date October 23, 1978 Scale 1" = 500'

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

WELL LOCATION MAP
 FILE NO. DODD-2307

+ Denotes location of well on United States Topographic Maps, scale 1 to 25,000, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.

47-017 NOV 21 1978



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED

DEC 2 1978

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Big Isaac 7 1/2

Permit No. Dodd 2307 (47-017)

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

Company Pace Pipe Line Company
Address Drawer B, Delmont, Pa. 15626
Farm W. L. Slussar Acres 83 +
Location (waters) Laurel Run of Big Isaac
Well No. 1 Elev. 1017
District Greenbrier County Doddridge
The surface of tract is owned in fee by Caldwell J. Hutson
Address Box 14, Myock, N. C. 27958
Mineral rights are owned by W. L. Slusser Heirs
Address Salem, W. Va.
Drilling Commenced 11/18/78
Drilling Completed 11/27/78
Initial open flow _____ cu. ft. _____ bbls.
Final production 750, 366 cu. ft. per day bbls.
Well open 48 hrs. before test 1750 RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8		799	165 sk w/3% cal. 50 sk neet w/cal.
7			
5 1/2			
4 1/2		5427	338 sk cement
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

#1 Water frac 517 bbl 45000# J-266 250#, F-78 15 gal, W-22 10 gal, L-53 20 g-l.
#2 Water frac 520 bbl 45000# J-266 250#, Acid 500 gal, F-78 10 gal, W-22 10 gal, L-53 40 gal.
#3 Water frac 502 bbl 45000# J-266 200#, Acid 500 gal, W-22 14 gal, L-53 20 gal, F-78 15 gal.
Baffle 5126 perf 5050 to 5060 16 perf. Baffle 4785 perf 4692 to 4710 16 perf.
Perf 5378. to 5384 14 perf.

Coal was encountered at 65 Feet 24 Inches & 400' --6'
Fresh water 65 Feet 1/2 Salt Water _____ Feet _____
Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Fill			0	12		
Sand			12	45		
Sandy shale			45	65		
Coal			65	67		
Sand			67	130		
Sandy shale & Redrock			130	165		
Sand			165	200		
Sandy shale			200	400		
Coal			400	406		
Sandy shale			406	745		
Sand & shale			745	1460		Increase in amount of water
Sand			1460	1495		
Sandy shale			1495	1740		
Little Lime			-1740	1755		
Sandy shale			1755	1775		
Big Lime			-1775	1850		
Sand			1850	1925		
Sandy shale			1925	4385		
Sandy shale			4385	4970		Chk gas 10 jts dn 4/10-1" H 2/0
Sand BENSON			-4970	4990		
Sandy shale			4990	5040		
Sand			5040	5065		
Sandy shale LEP E&K			5065	5437		TD gas 10 jts dn 10/10 of 2" H/2

(over)

* Indicates Electric Log tops in the remarks section.

5437
4990

JAN 4 1979

