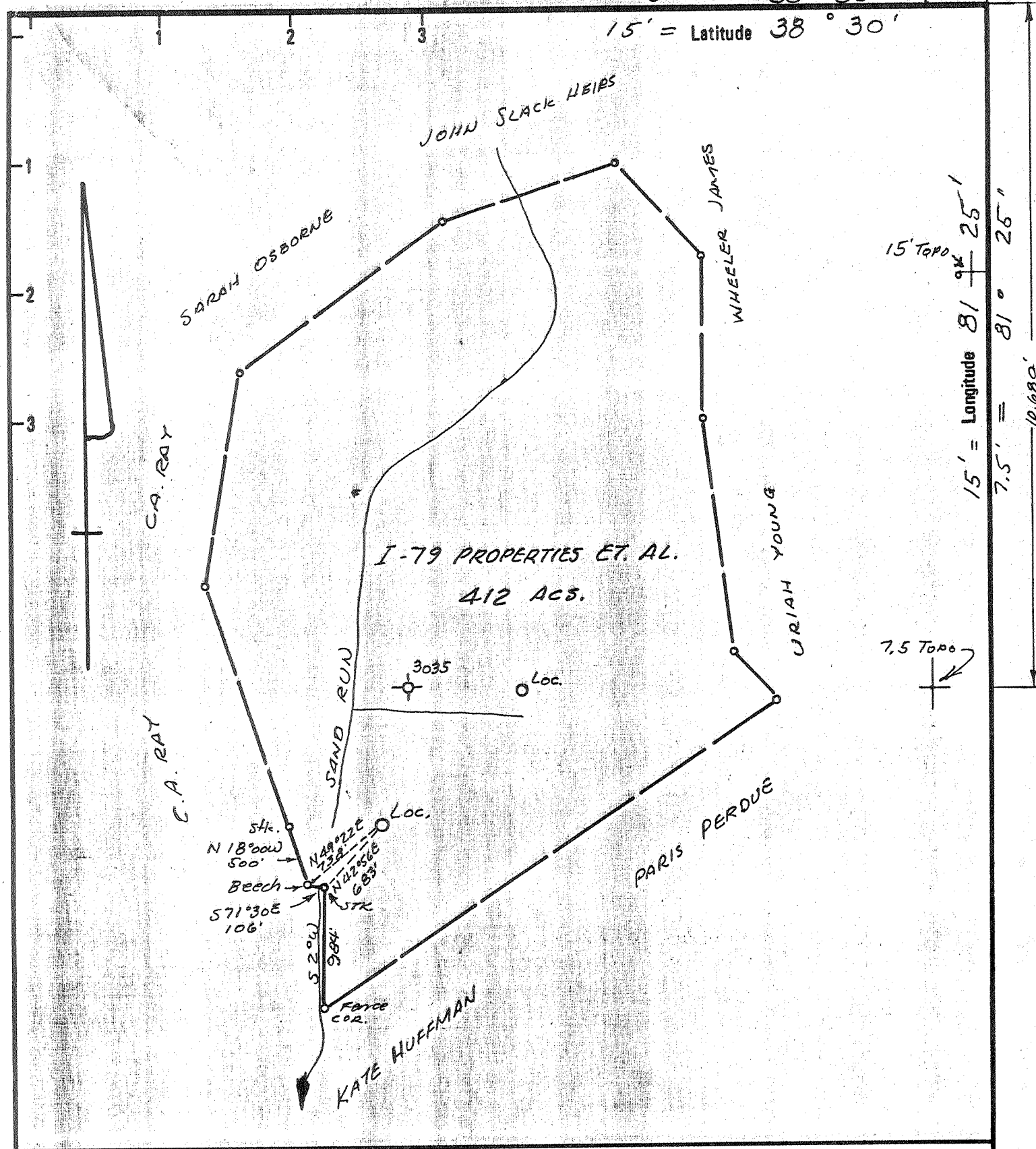


6/25/79 B
 7.5' = 38° 30' 1905
 15' = Latitude 38° 30'



15' TOPO 81° 25'
 7.5' TOPO 81° 25'
 10,680'

New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation U.S.G.S. Elev. BM 621 FALLING ROCK

"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 laws of West Virginia."

Company: Ensource, Inc. - P.O. Box 1738
 Address: Clarksburg, wVa. 26301
 Attn: Michael W. Nugen, Agent

Farm: I-79 PROPERTIES ET. AL.

Tract: _____ Acres: 412 Lease No. _____

Well (Farm) No. 1 Serial No. _____

Elevation (Spirit Level): 808'

Quadrangle: 15' CLENDENIN
 7.5' BLUE CREEK

County: KANAWHA District: BIG SANDY

Engineer: N. L. Defton

Engineer's Registration No. 1832

File No. _____ Drawing No. _____

Date: 6-9-79 Scale: 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. 47-039-3456-P
 PL. CANCELLED

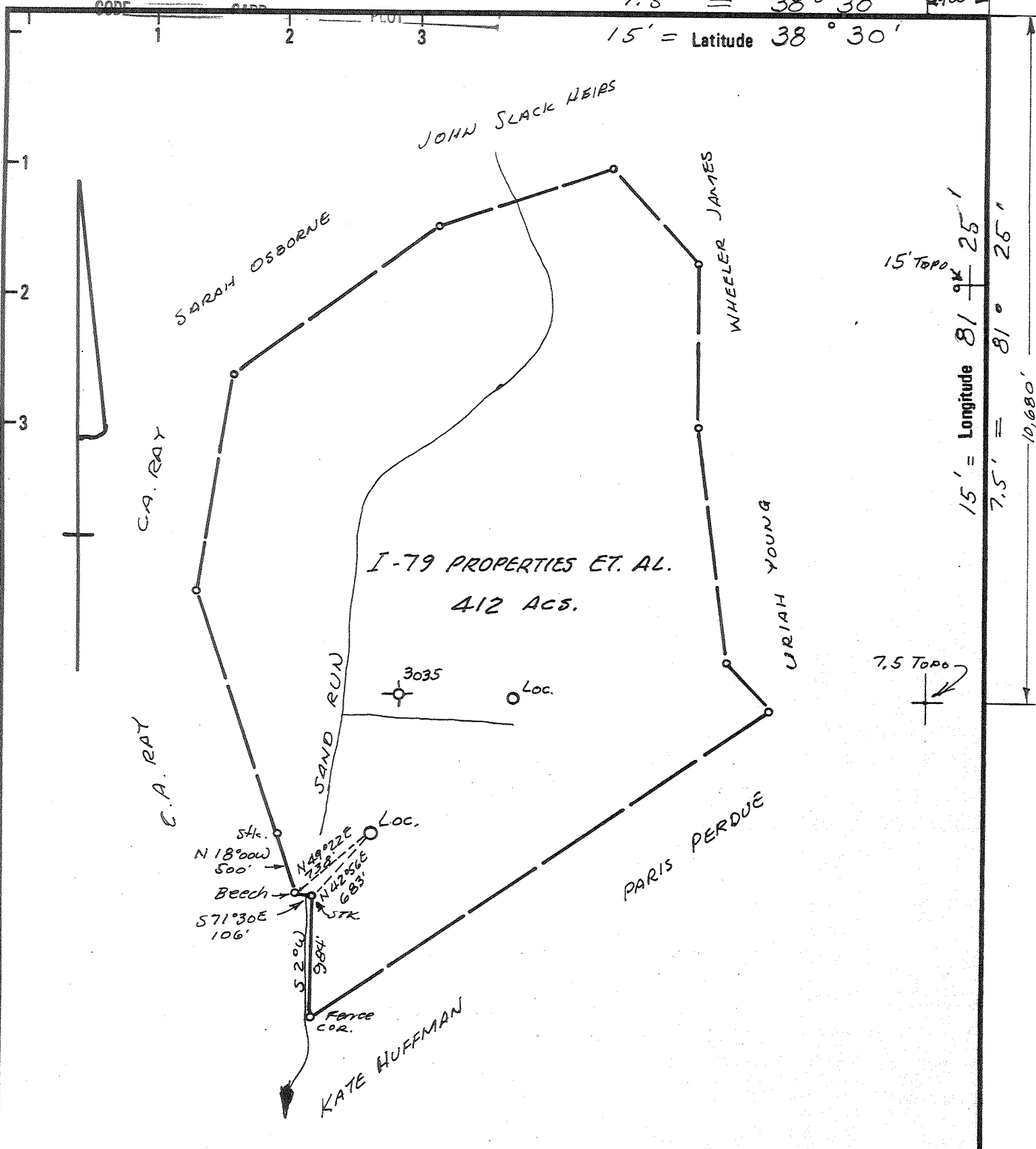
+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500 latitude and longitude lines being represented by border lines as shown.

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

AUG 20 1988

KAN 3456-P

Shale 3500'



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 in 200
 Source of Elevation U.S.G.S. Elev. BM 621 FALLING ROCK

"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 laws of West Virginia."

Company Ensource, Inc. - P.O. Box 1738
Clarksburg, wVa. 26301
 Address Attn: Michael W. Nugen, Agent
 Farm I-79 PROPERTIES ET. AL.
 Tract _____ Acres 412 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 808'
 Quadrangle 15' CLENDEVIN
7.5 BLUE CREEK
 County KANAWHA District BIG SANDY
 Engineer N. J. Shelton
 Engineer's Registration No. 1832
 File No. _____ Drawing No. _____
 Date 6-9-79 Scale 1" = 1000'

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

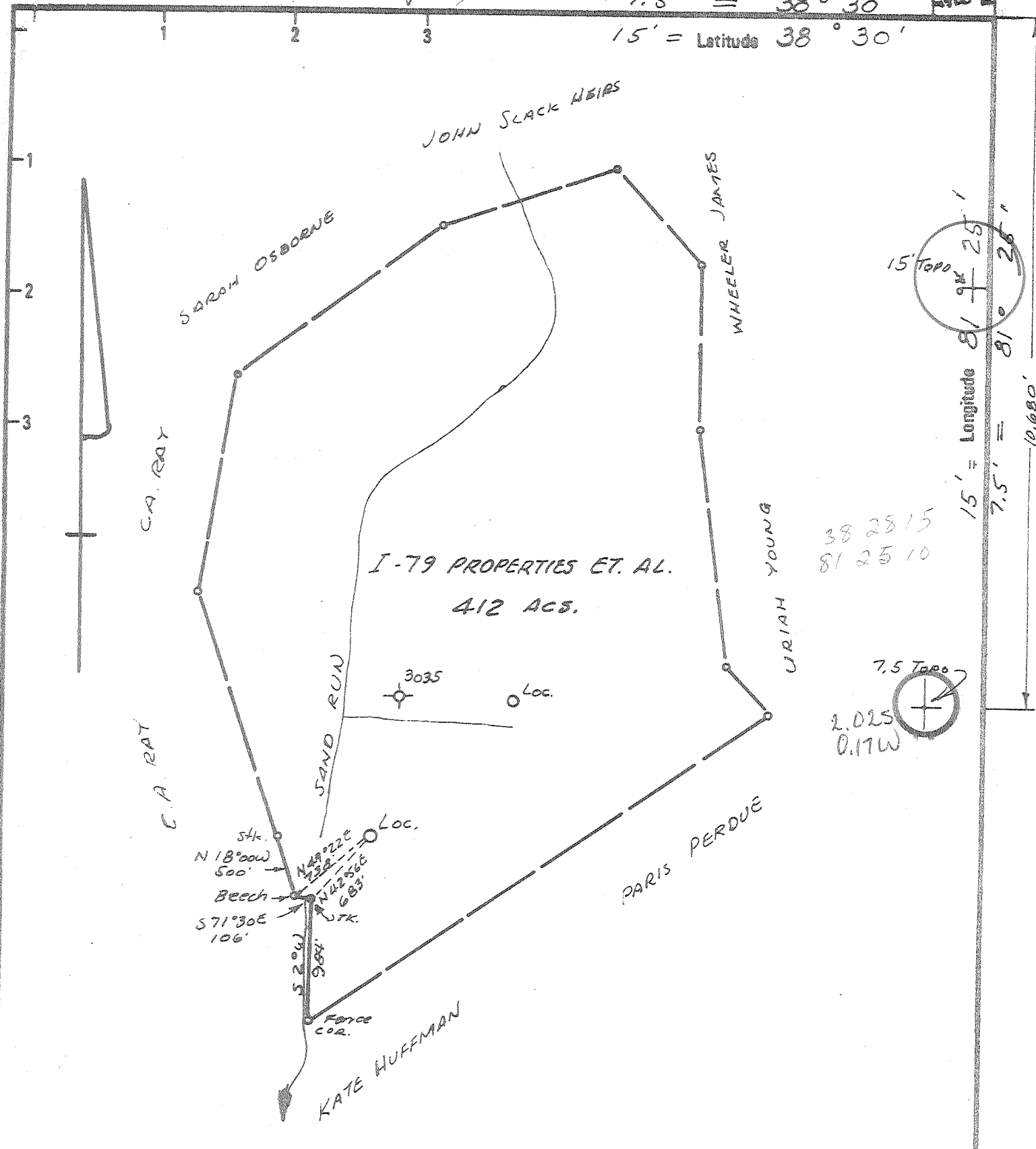
WELL LOCATION MAP
 FILE NO. 47-039-3456-P

+ 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.

MAR 10 1986

Shale 3500'

7.5' = 38° 30' 1907
 15' = Longitude 38° 30'



New Location
 Drill Deeper
 Abandonment

Minimum Error of Closure 1 IN 200
 Source of Elevation U S G S Elev BM 621 FALLING ROCK
 "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."

Company D.G. MALCOLM INC.
 Address 1006 Commerce Sq. CHARLESTON W.VA.
 Farm I-79 PROPERTIES ET. AL.
 Tract _____ Acres 412 Lease No. _____
 Well (Farm) No. 1 Serial No. _____
 Elevation (Spirit Level) 808'
 Quadrangle 15' CLDENWIN NW1
T.S. BLUECREEK
 County KANAWHA District BIG SANDY
 Engineer W. J. Defton
 Engineer's Registration No. 1832
 Date 6-9-79 Scale 1" = 1000'

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

WELL LOCATION MAP
 FILE NO. 47-039-3456

+ 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.

JUL 17 1979

Shale 3500' 6-6 Blue Creek (217)



RECEIVED

MAY - 1 1980

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

WELL RECORD

Quadrangle Blue Creek
Permit No. 039-kan 3456

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

Company D. C. Malcolm, Inc.
Address 1006 Commerce Sq., Charleston, W. Va.
Farm I-79 Properties Acres 412
Location (waters) Sand Run
Well No. 1 Elev. 826 KB
District Big Sandy County Kanawha
The surface of tract is owned in fee by I-79 Properties
Address Atlanta, Ga.
Mineral rights are owned by I-79 Properties et al Address _____
Drilling Commenced 6-29-79
Drilling Completed 7-12-79
Initial open flow S/G cu. ft. _____ bbls.
Final production _____ cu. ft. per day 10 bbls.
Well open _____ hrs. before test _____ 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	197	197	to surface
8 5/8			
7	1950	1950	75 SX
5 1/2			
4 1/2			
3			
2	1865	1865	
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforate Weir 1871-1775 w/13 holes. Frac through 4 1/2' on RTTS packer.
Frac w/563 bbls water, 500 gals HCl, 25,000# sand.
Bridge plug set at 1930.

10 BOPD

Coal was encountered at _____ Feet _____ Inches
Fresh water _____ Feet _____ Salt Water _____ Feet _____
Producing Sand Weir Depth 1867-1881

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	* Remarks
Sand & Shale			0	156		
Sand			156	456		
Sand & Shale			456	1004		
Sand			1004	1160		
Shale			1160	1204		
Sand			1204	1412		
Shale			1412	1506		
Sand			1506	1525		
Shale			1525	1606		
Lime (Big Lime)			1606	1732		
Injun Sand			1732	1770		
Shale			1770	1867		
Sand (Weir)			1867	1881		
Shale			1881	2168		
Sand (Berea)			2168	2172		
Shale			2172	4397		
					Total depth	
				<u>Dev. Sh.</u>		

(over)

* Indicates Electric Log tops in the remarks section.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

JUN 25 1979

Oil and Gas Division

OIL & GAS DIVISION
DEPT. OF MINES

OIL AND GAS WELL PERMIT APPLICATION

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

Surface Owner 1-79 Properties
Atlanta, Georgia
Address 1-79 Properties, et al
Mineral Owner Atlanta, Georgia
Address _____
Coal Owner _____
Address _____
Coal Operator not operated
Address _____

DATE June 22, 1979
Company D. C. Malcolm, Inc.
Address 1006 Commerce Sq., Charleston
Farm 1-79 Properties Acres 412
Location (waters) Sand Run
Well No. 1 Elevation _____
District Big Sandy County Kanawha
Quadrangle Blue Creek

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 2-25-80.

INSPECTOR
TO BE NOTIFIED Martin Nichols
ADDRESS Clendenin, W. Va.
PHONE 548-6993

Tobert & [Signature]
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 _____ 19____ by _____ made to _____ and recorded on the _____ day of _____ 19____, in _____ County, Book _____ Page _____

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.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA GEOLOGICAL AND
ECONOMIC SURVEY
P. O. BOX 879
MORGANTOWN, WEST VIRGINIA 26505
AC-304 - 292-6331

Address
of
Well Operator

Very truly yours,
(Sign Name) [Signature]
Well Operator
1006 Commerce Sq.
Street
Charleston, W. Va.
City or Town
West Virginia
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.

47-039-3456 PERMIT NUMBER

"I have read and understand the reclamation requirements as set forth in Chapter 22, Article 4, Section 12-b and will carry out the specified requirements."

Signed by [Signature]

BLANKET BOND

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 Union Drilling NAME D. C. Malcolm
 ADDRESS Buckhannon, W. Va. ADDRESS 1006 Commerce Sq., Charleston
 TELEPHONE 472-4610 TELEPHONE 343-9593
 ESTIMATED DEPTH OF COMPLETED WELL: 3500 ROTARY X CABLE TOOLS _____
 PROPOSED GEOLOGICAL FORMATION: Shale
 TYPE OF WELL: OIL _____ GAS X 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			
13 - 10			
9 - 5/8	250'	250'	surface
8 - 5/8			
7	1550	1550	25sx
5 1/2			
4 1/2	3500	3500	100sx
3			Perf. Top
2			Perf. Bottom
Liners			Perf. Top
			Perf. Bottom

APPROXIMATE FRESH WATER DEPTHS _____ FEET _____ SALT WATER _____ FEET _____
 APPROXIMATE COAL DEPTHS _____
 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