

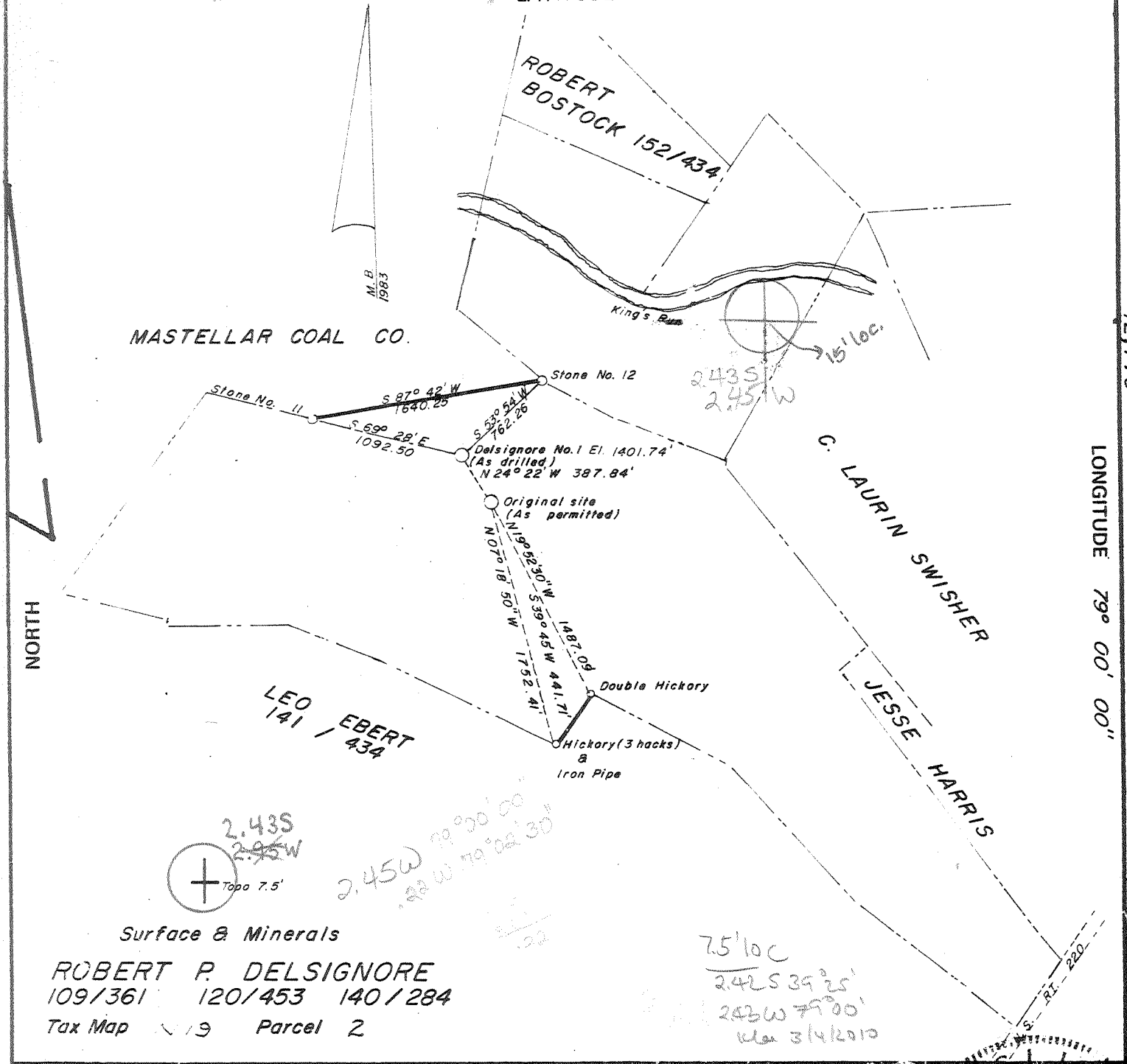
12,775'

Plot Card

LATITUDE 39° 25'

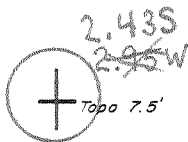
12,775'

LONGITUDE 79° 00' 00"



Surface & Minerals

ROBERT P. DELSIGNORE  
 109/361 120/453 140/284  
 Tax Map 19 Parcel 2

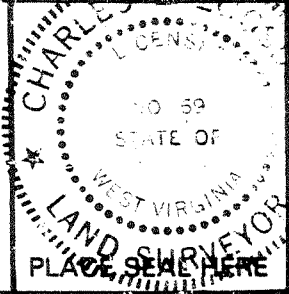


2.43S  
2.45W  
79° 00' 00"  
79° 02' 30"  
79° 02' 30"

7.5' loc  
2.42S 39° 25'  
2.43W 79° 00'  
Mar 3/4/2010

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION B.M. int. US 2208 US 50

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) Robert P. Delsignore  
 R.P.E. \_\_\_\_\_ L.L.S. 69



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

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

DATE February 24, 1984  
 OPERATOR'S WELL NO. Delsignore No. 1  
 API WELL NO. REV.  
47 - 057 - 0085  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS" PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_)

LOCATION: ELEVATION 1401.74' WATERSHED New Creek  
 DISTRICT New Creek COUNTY Mineral  
 QUADRANGLE W. 10' / A. 10' 003 Elk garden 15' EC

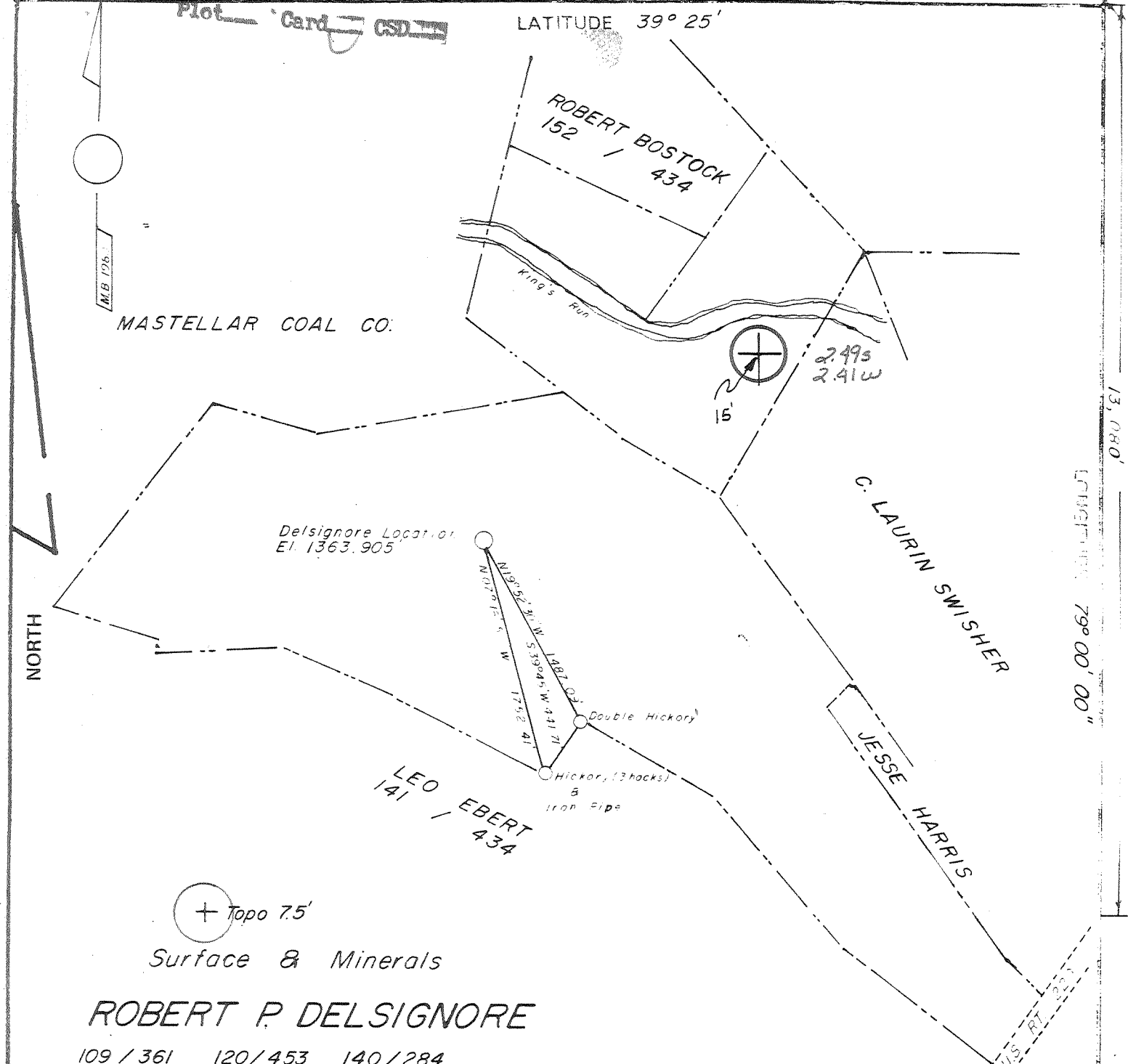
SURFACE OWNER Robert P. Delsignore ACREAGE 324.2  
 OIL & GAS ROYALTY OWNER Robert P. Delsignore LEASE ACREAGE 359  
 LEASE NO. 232 / 349

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 Oriskany ESTIMATED DEPTH 9600'  
 WELL OPERATOR Tiara, Inc. DESIGNATED AGENT Michael Raber  
 ADDRESS 120 East 38th Street ADDRESS P.O. Box 4021  
New York, NY 10016 Parkersburg, W.Va. 26101

DEEP WELL 6-7 Kuser (365)

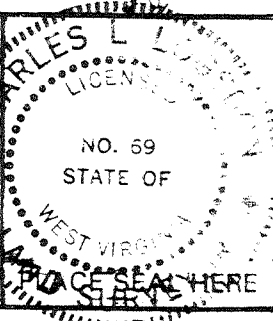


**ROBERT P. DELSIGNORE**

109 / 361 120 / 453 140 / 284

FILE NO. \_\_\_\_\_  
 DRAWING NO. \_\_\_\_\_  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION B.M. int. U.S. 220 & 50

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) [Signature]  
 R.P.E. \_\_\_\_\_ L.L.S. 69



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

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION

REVISED DATE September 6, 1983  
 OPERATOR'S WELL NO. Delsignore No 1  
 API WELL NO. 47-057-0085  
 STATE COUNTY PERMIT

WELL TYPE: OIL \_\_\_\_\_ GAS X LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS" PRODUCTION X STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1363.905' WATERSHED New Creek  
 DISTRICT New Creek COUNTY Mineral  
 QUADRANGLE Westernport / Antioch EIK Garden 15' EC  
 SURFACE OWNER Robert P. Delsignore ACREAGE 324.2  
 OIL & GAS ROYALTY OWNER Robert P. Delsignore LEASE ACREAGE 359  
 LEASE NO. 232 / 349

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 Oriskany ESTIMATED DEPTH 9600'  
 WELL OPERATOR Tiara, Inc. DESIGNATED AGENT Michael Raber  
 ADDRESS 120 East 38th Street ADDRESS P.O. Box 4021  
New York, NY 10016 Parkersburg, W.Va. 26101

SEP 26 1983



1) Date: August 15, 19 83  
 2) Operator's Well No: One (1)  
 3) API Well No. 47 - 057 - 0085  
 State County Permit

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

- 4) WELL TYPE: A Oil  / Gas   
 B (If "Gas", Production \_\_\_\_\_ / Underground storage \_\_\_\_\_ / Deep  / Shallow \_\_\_\_\_ /)
- 5) LOCATION: Elevation: 1363.9 Watershed: New Creek  
 District: New Creek County: Mineral Quadrangle: Westport/Antioch
- 6) WELL OPERATOR Tiara, Inc. 7) DESIGNATED AGENT Michael Raber  
 Address 120 East 38th Street Address P. O. Box 4021  
New York, New York 10016 Parkersburg, W. Va. 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Phillip Tracy Name Delta Drilling Co.  
 Address General Delivery Address Route 4, Box 132 A  
Ellamore, W. Va. 26267 Indiana, Pa. 15701
- 10) PROPOSED WELL WORK: Drill \_\_\_\_\_ / Drill deeper \_\_\_\_\_ / Redrill \_\_\_\_\_ / ~~Stimulate~~ \_\_\_\_\_  
 Plug off old formation \_\_\_\_\_ / Perforate new formation \_\_\_\_\_  
 Other physical change in well (specify) \_\_\_\_\_
- 11) GEOLOGICAL TARGET FORMATION, Oriskany / Helderberg
- 12) Estimated depth of completed well, 9000 feet  
 13) Approximate strata depths: Fresh, 100 feet; salt, \_\_\_\_\_ feet.  
 14) Approximate coal seam depths: No coal Is coal being mined in the area? Yes \_\_\_\_\_ / No
- 15) CASING AND TUBING PROGRAM

RECEIVED  
 SEP 12 1983

OIL & GAS DIVISION  
 DEPT. OF MINES  
 CEMENT FILL UP OR SACKS (Cubic feet) PACKERS

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		
Conductor	20"			X		75'	75'	110 sks	Kinds
Fresh water	13"	H	48	X		500'	500'	375 sks	
Coal									Sizes
Intermediate	9 5/8	J	36	X		2500'	2500'	1200 sks	
Production	5 1/2	N-80	17	X			9000	900 sks or	Depths set
Tubing									to the regms
Liners									of rule 15.01
									Perforations:
									Top Bottom

OFFICE USE ONLY  
 DRILLING PERMIT

Permit number 47-057-0085 Date: September 23, 19 83

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.  
 Permit expires September 23, 1985 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>single</u>	Agent: <u>OK</u>	Plat: <u>[Signature]</u>	Casing: <u>[Signature]</u>	Fee: <u>1807</u>
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[Signature]  
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

RECEIVED  
NOV 2 1985



DIVISION OF OIL & GAS  
DEPT. OF ENERGY

IV-35  
(Rev 8-81)

State of West Virginia

Department of Mines  
Oil and Gas Division

Date 15 NOV 85  
Operator's  
Well No. Delsignore #1  
Farm \_\_\_\_\_  
API No 047 - 057 - 0085-00

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

WELL TYPE: Oil \_\_\_ / Gas x / Liquid Injection \_\_\_ / Waste Disposal \_\_\_ /  
(If "Gas," Production \_\_\_ / Underground Storage \_\_\_ / Deep x / Shallow \_\_\_ /)

LOCATION: Elevation: 1402 ft Watershed New Creek  
District: New Creek County Mineral Quadrangle Westernport 7.5'

COMPANY TIARA, INC.

ADDRESS New York, NY 10016

DESIGNATED AGENT Roy Sites

ADDRESS Parkersburg, WV 26101

SURFACE OWNER Robert P. Delsignore

ADDRESS New Creek, WV 26743

MINERAL RIGHTS OWNER Robert Delsignore

ADDRESS New Creek, WV 26743

OIL AND GAS INSPECTOR FOR THIS WORK Donald

Ellis ADDRESS Fairmont, WV 26554

PERMIT ISSUED 23 Sept 83

DRILLING COMMENCED 20 NOV 83

DRILLING COMPLETED 2 FEB 84

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.		42'	50 sks
13-10"		487'	364 sks
9 5/8		2908'	650 sks
8 5/8			
7			
5 1/2		9914'	400 sks
4 1/2			
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Oriskany Sandstone Depth 9600 feet

Depth of completed well 9965 feet Rotary x / Cable Tools \_\_\_\_\_

Water strata depth: Fresh 100 feet; Salt \_\_\_\_\_ feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Oriskany Sandstone Pay zone depth 9862-68 feet  
8924-54

Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow TSTNG 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

(If applicable due to multiple completion--)

Second producing formation \_\_\_\_\_ Pay zone depth \_\_\_\_\_ feet

Gas: Initial open flow \_\_\_\_\_ Mcf/d Oil: Initial open flow \_\_\_\_\_ Bbl/d

Final open flow \_\_\_\_\_ Mcf/d Oil: 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

accord to Rick for after free - 0

DEC 9 1985

(Continue on reverse side)

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

Perforated 33 holes from 9668 to 9862 ft; acidized

Perforated 32 holes from 8946 to 8954 ft; not treated

Perforated 40 holes from 8924 to 8934 ft; not treated

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand and Siltstone			0	490	
Brailier Shale			490	1650	
Harrell Shale			1650	1840	
Mahantango Shale			1840	2625	
Marcellus Shale			2625	2930	
Needmore Shale			2930	3120	
Oriskany Ss			3120	3400	
Helderberg Ls			3400	4875	small gas shows
Tonoloway Ls			4875	5640	
Helderberg Ls			5640	6260	
Tonoloway Ls			6260	6810	
Helderberg Ls			6810	7380	
Tonoloway Ls			7380	7675	
Helderberg Ls			7675	8710	Gas shows
Oriskany Ss			8710	9125	Gas show
Needmore Shale			9125	9365	
Marcellus Shale			9365	9480	
Needmore Shale			9480	9666	
Oriskany Ss			9666	9882	Gas show
Helderberg Ls			9882	9965	
TD			9965		

(Attach separate sheets as necessary)

TIARA, INC  
Well Operator  
By: Kay S. Sites  
Date: 15 NOV 85

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."