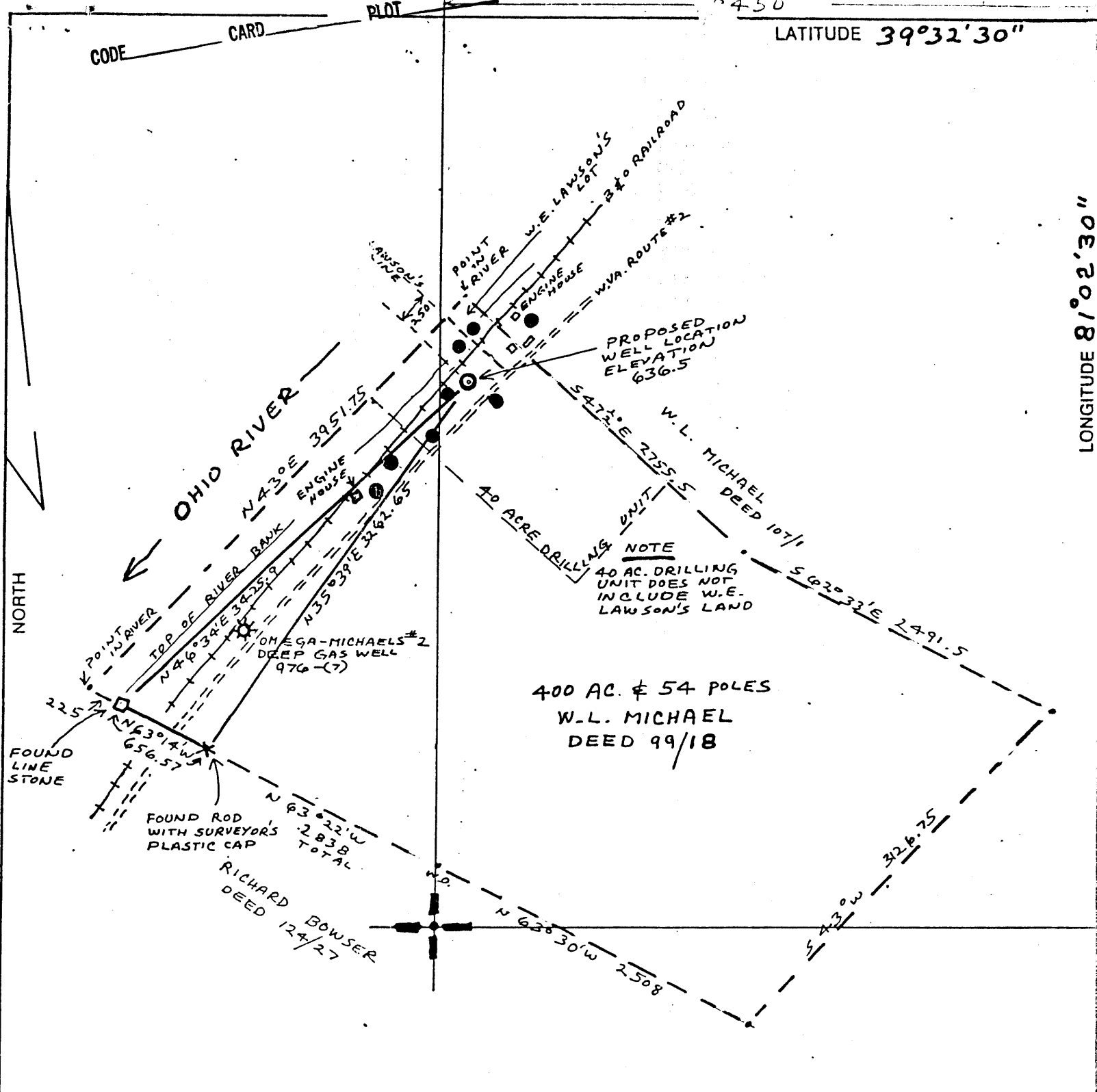


CODE

PLOT

LATITUDE 39°32'30"

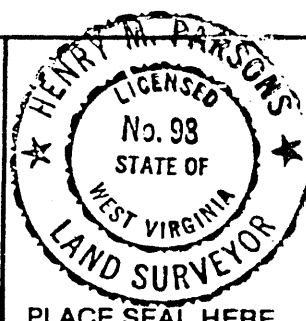
LONGITUDE 81°02'30"



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 83-6348  
 DRAWING NO. 83-6348-A  
 SCALE 1" = 1000'  
 MINIMUM DEGREE OF ACCURACY 1 IN 2500  
 PROVEN SOURCE OF ELEVATION B.M. #M34 WITH ELEVATION OF 618 ON BENS RUN TOPO

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) Henry M. Parsons  
 R.P.E. L.L.S. #98



STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE DECEMBER 27, 1983  
 OPERATOR'S WELL NO. Lee #1  
 API WELL NO: 47-095-1041-P  
 STATE COUNTY PERMIT

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 636.5 WATERSHED OHIO RIVER  
 DISTRICT UNION COUNTY TYLER  
 QUADRANGLE NEW MATAMORAS

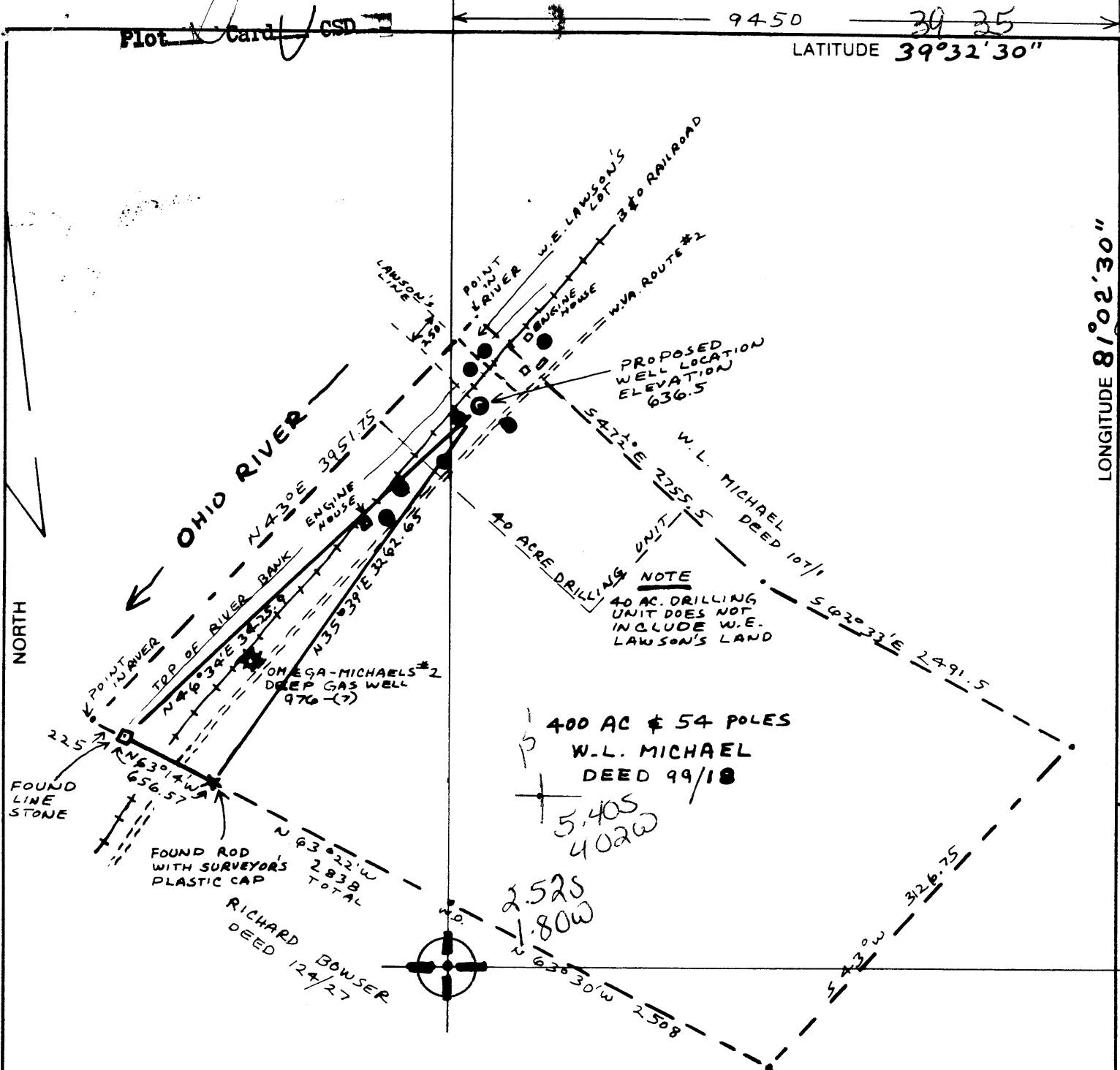
SURFACE OWNER ALDEN MICHAELS ACREAGE 400 AC. 40AC  
 OIL & GAS ROYALTY OWNER ALDEN MICHAELS ET AL LEASE ACREAGE 400 DRILLING UNIT

PROPOSED WORK: DRILL  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 MARCELLUS SHALE ESTIMATED DEPTH 5800'  
 WELL OPERATOR REED ENERGY CORP DESIGNATED AGENT LEE GARDNER  
 ADDRESS 425 METRO PLACE NORTH ADDRESS 102 MORNINGSIDE CIRCLE

MAY 12 1986

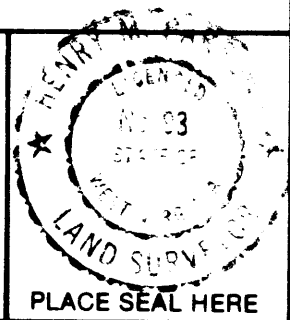
COUNTY NAME  
PERMIT



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 83-6348  
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 SCALE 1" = 1000'  
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 R.P.E. \_\_\_\_\_ L.L.S. # 98



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



DATE DECEMBER 27, 1983  
 OPERATOR'S WELL NO. Lee #1  
 API WELL NO. \_\_\_\_\_

WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW   
 LOCATION: ELEVATION 636.5 WATER SHED OHIO RIVER  
 DISTRICT UNION COUNTY TYLER  
 QUADRANGLE NEW MATAMORAS N15' SE  
 SURFACE OWNER ALDEN MICHAELS ACREAGE 400 AC. 40AC  
 OIL & GAS ROYALTY OWNER ALDEN MICHAELS ET AL LEASE ACREAGE 400 DRILLING UNIT  
 LEASE NO. \_\_\_\_\_  
 PROPOSED WORK: DRILL  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 MARCELLUS SHALE ESTIMATED DEPTH 5800' JAN 30 1984  
 WELL OPERATOR REED ENERGY CORP DESIGNATED AGENT LEE GARDNER  
 ADDRESS 425 METRO PLACE NORTH ADDRESS 102 MORNINGSIDE CIRCLE  
DUBLIN, OH 43017 PARKERSBURG WY JOB NO. 83-6348

FORM IV-6 (8-78)  
 H.T. HALL

COUNTY NAME  
 PERMIT



Date Sept. 30, 1985

Operator's Well No. One

Farm Lee

API No. 47 - 095 - 1041

State of West Virginia

Department of Mines  
Oil and Gas Division

WELL OPERATOR'S REPORT  
OF

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 632 Watershed Ohio River  
District: Union County Tyler Quadrangle New Matamoras

COMPANY Reed Energy Corp c/o Sancho Oil and Gas Corporation

ADDRESS 210 Second St. P.O. Box 179, St. Marys WV 26170

DESIGNATED AGENT Ronald H. Woodburn

ADDRESS Route 1 Box 113 Middlebourne WV 26149

SURFACE OWNER Alden Michaels

ADDRESS Sistersville, WV

MINERAL RIGHTS OWNER Alden Michaels

ADDRESS Sistersville, WV

OIL AND GAS INSPECTOR FOR THIS WORK  
Robert General Delivery  
ADDRESS Middlebourne, WV

PERMIT ISSUED 1-20-84

DRILLING COMMENCED 2-3-84

DRILLING COMPLETED 2-8-84

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8	915	915	surface
7			
5 1/2			
4 1/2			
3	3816	3816	550 cu. ft.
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2050-3869 feet

Depth of completed well 3816 feet Rotary x / Cable Tools

Water strata depth: Fresh n/a feet; Salt n/a feet

Coal seam depths: Information N/A Is coal being mined in the area? Information N/A

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 3704-59 feet

Gas: Initial open flow 100 Mcf/d Oil: Initial open flow trace Bbl/d

Final open flow 50 Mcf/d Final open flow 0 Bbl/d

Time of open flow between initial and final tests n/a hours

Static rock pressure n/a psig (surface measurement) after n/a hours shut in  
(if applicable due to multiple completion--)

Second producing formation Injun Pay zone depth 1515-1535 feet

Gas: Initial open flow 50 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow n/a Mcf/d Oil: Final open flow 0 Bbl/d

Time of open flow between initial and final tests n/a hours

Static rock pressure n/a psig (surface measurement) after n/a hours shut in

\*Natural

NOV 12 1985

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

Perforated w/.38" shots - 12 holes @ 3704', 3709', 3721', 3723', 3723', 3725', 3733', 3750'-52', 3765', 3767' & 3769'. Frac w/12 bbl. acid and 1.5 MSCF of N<sub>2</sub> @ 40 MSCF/Min. 3/23/84

Injun

Perforated w/.38" shots - 9 holes from 1515' - 1535'. No fracturing or stimulation treatment Allowed to produce naturally. 6/24/84

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fractures and salt water, coal, oil and gas
Sand & Shale			surface	762	n/a
Lower Freeport Coal			762	766	n/a
Sand & Shale			766	822	n/a
Middle Kittanning Coal			822	826	n/a
Shale			826	882	n/a
Clarion Coal			882	886	n/a
Sand & Shale			886	992	n/a
Homewood Sand			992	1006	n/a
Shale			1006	1030	n/a
Tionesta Coal			1030	1034	n/a
Shale			1034	1133	n/a
Mercer Sand			1133	1156	n/a
Shale			1156	1173	n/a
Quaker Town Coal			1173	1176	n/a
Shale			1176	1264	n/a
Maxton			1264	1330	n/a
Big Lime			1336	1498	n/a
Keener			1498	1508	n/a
Injun <i>GRB &amp; P</i>			1512	1535	show gas
Squaw			1538	1548	n/a
Berea			2039	2050	n/a
Gordon			2316	2364	n/a
Devonian Shale			2050	3869 (T.D.)	n/a

Huron@JD

From nearby well  
Top Devonian 2050  
Low Devonian 3150

(Attach separate sheets as necessary)

Reed Energy Corp c/o Sancho Oil and Gas Corporation  
Well Operator  
*Ronald H. Woodburn*  
By: Ronald H. Woodburn, Agent  
Date: 10/30/85

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."

planned



1) Date: Jan. 10, 1984  
 2) Operator's Well No. Lee #1  
 3) API Well No. 47 - 095 - 1041  
 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: 636.5 Watershed: Ohio River  
 District: Union County: Tyler Quadrangle: New Matamoras
- 6) WELL OPERATOR Reed Energy Corp. 7) DESIGNATED AGENT Lee Gardner  
 Address 425 Metro Place North Address 102 Morningside Circle  
Dublin, Ohio 43017 Parkersburg W.V. 26101
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Robert Lowther Name J. D. Parsons & Co. Inc.  
 Address General Delivery Address P.O. Box 94  
Middlebourne, W.V. 26149 Williamstown W.V. 26187
- 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, Devonian Shale (BRANTON) MARCELLUS
- 12) Estimated depth of completed well, 500' 5800' feet  
 13) Approximate trata depths: Fresh, 50' feet; salt, 1600' feet.  
 14) Approximate coal seam depths: \_\_\_\_\_ Is coal being mined in the area? Yes \_\_\_\_\_
- 15) CASING AND TUBING PROGRAM

**RECEIVED**  
 JAN 12 1984  
 OIL & GAS DIVISION  
 DEPT. OF MINES

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	9 5/8"				X	80'	80'	CTS	Kinds
Fresh water	7"						1200'	CTS	Sizes
Coal									Depths set
Intermediate									Perforations:
Production	4 1/2					<u>T.D. IP 5800</u>	<u>500 SX OR</u>		Top Bottom
Tubing								<u>AS REQ. BY RULE 15.01</u>	
Liners									

OFFICE USE ONLY  
**DRILLING PERMIT**

Permit number 47-095-1041 January 20, 19 84  
 Date

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 January 20, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>SB</u>	Agent: <u>L</u>	Plat: <u>MH</u>	Casing: <u>MH</u>	Fee: <u>634</u>
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Margaret J. Passe  
 Administrator, Office of Oil and Gas

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

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

FORM WR-38  
(Affidavit of Plugging)

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS WELLS DIVISION

JUN 25 1986

AFFIDAVIT OF PLUGGING AND FILLING WELL

AFFIDAVIT SHOULD BE MADE IN TRIPLICATE, one copy mailed to the Division, one copy to be retained by the Well Operator and the third copy (and extra copies if required) should be mailed to each coal operator at their respective addresses.

N/A  
Coal Operator or Owner  
Address

N/A  
Coal Operator or Owner  
Address  
Alden Michaels  
Lease or Property Owner  
Sistersville, WV 26175  
Address

Reed Energy  
Name of Well Operator  
P. O. Box 179, St. Marys, WV 26170-0179  
Complete Address

19  
WELL AND LOCATION  
Union District  
Tyler County

WELL NO. Lee #1 API Well No. 47-095-1041-P  
Michaels Farm

STATE INSPECTOR SUPERVISING PLUGGING Robert Lowther

AFFIDAVIT

STATE OF WEST VIRGINIA,  
County of Tyler

ss:

Kyle Perkins and Roy B. Garner

being first duly sworn according to law depose and say that they are experienced in the work of plugging and filling oil and gas wells and were employed by Sancho Oil and Gas Corporation, well operator, and participated in the work of plugging and filling the above well, that said work was commenced on the 12 day of May, 19 86, and that the well was plugged and filled in the following manner:

Sand or Zone Record Formation	Filling Material	Plugs Used Size & Kind	Casing	
			CSG PULLED	CSG LEFT IN
3816-3700	Gel			
3700-3340	Cement			
3340-1770	Gel	8"		915
1770-1670	Cement			
1670-1400	Gel	3"	1800	2016
1400-1300	Cement			
1300-935	Gel			
935-850	Cement			
850-65	Gel			
65-0	Cement			
Coal Seams				
(Name) None				
(Name)		8" pipe 30" above		
(Name)		the ground.		
(Name)				

*[Signature]* 6/25/86

and that the work of plugging and filling said well was completed on the 21 day of MAY, 19 86.

And further deponents saith not.

*Kyle D Perkins*  
*Roy B Garner*

Sworn to and subscribed before me this 13 day of June, 19 86.

*Donald L. Peltz*  
Notary Public

My commission expires:  
April 10, 1994

30 1986  
Permit No. 47-095-1041-P