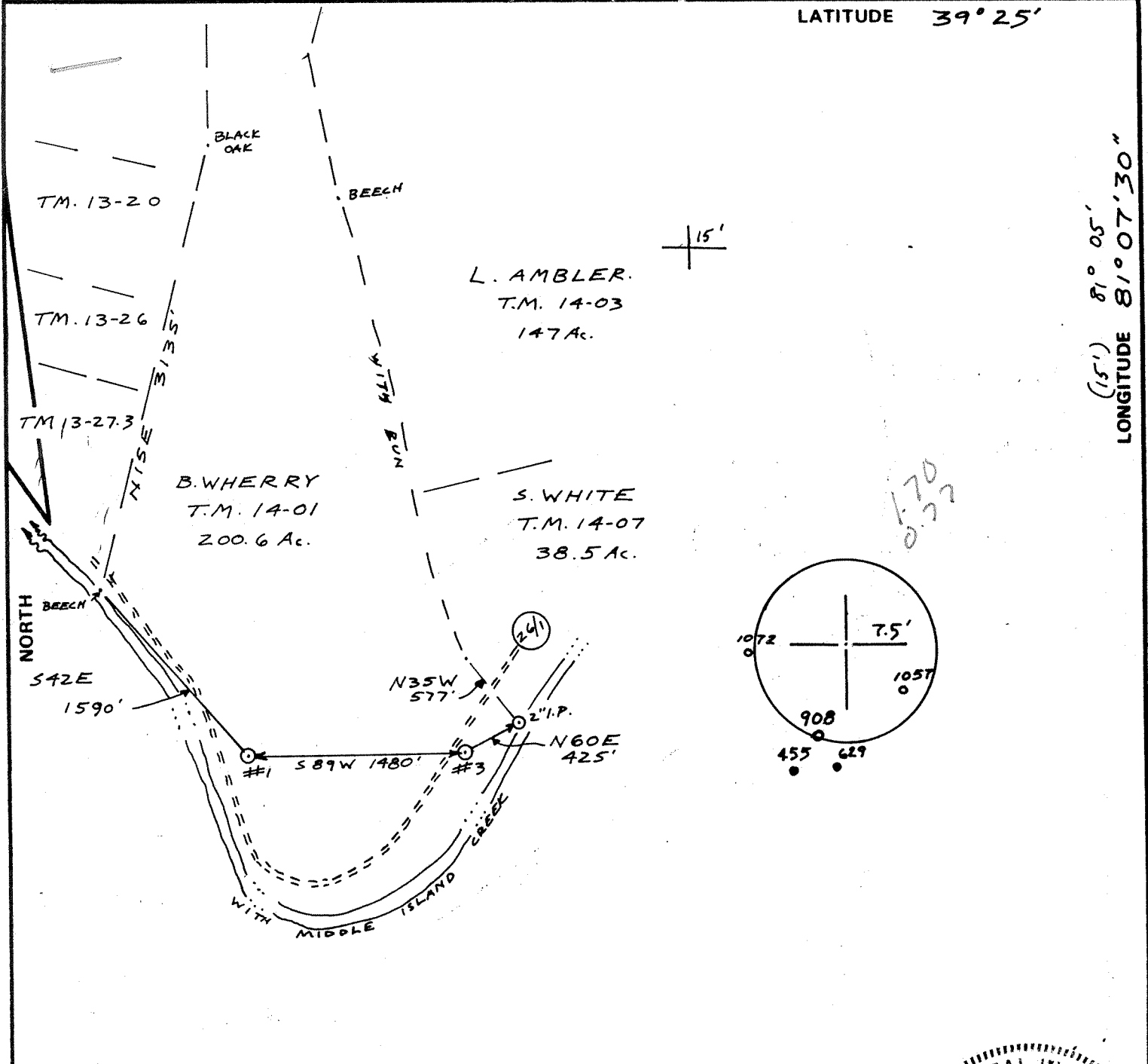


LATITUDE 39° 25'

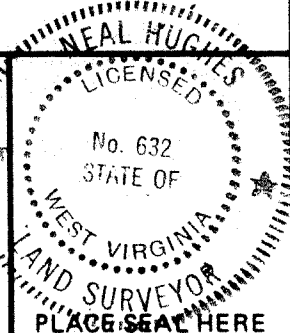
4,100

LONGITUDE 81° 07' 30"



FILE NO. L+M
 DRAWING NO. 3
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION BM 615

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) Neal Hughes
 R.P.E. _____ L.L.S. 632



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



DATE NOV. 2, 19 81
 OPERATOR'S WELL NO. 3
 API WELL NO. 47 - 073 - 1373-1374
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

Fracture Cancelled

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW _____
 LOCATION: ELEVATION 758' WATER SHED MIDDLE ISLAND CREEK
 DISTRICT UNION 5 COUNTY PLEASANTS
 QUADRANGLE RAVEN ROCK 7.5'
 SURFACE OWNER BERNARD WHERRY ACREAGE 200.6
 OIL & GAS ROYALTY OWNER SHULTZ LEASE ACREAGE 250
 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 Upper Dev. Monksline ESTIMATED DEPTH 4500'
 WI _____ DESIGNATED AGENT. Denny Harton, Agent
 Al Beacon Resources Corporation ADDRESS #1 17th. Street
P.O. Box 5370 _____ Vienna, WVa. 26105
 STEP Vienna, W.Va. 26105

MAY 10 1991

RECEIVED

FEB 24 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES



IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date 2-16-82
Operator's
Well No. # 3
Farm Arlington Shultz
API No. 47 - 073 - 1373

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: 758 GL Watershed Middle Island Creek
District: Union County Pleasants Quadrangle Raven Rock

COMPANY L&M Petroleum Co.
ADDRESS P.O. Box 89, Reno, OH 45773
DESIGNATED AGENT David Clovis
ADDRESS Box 288, Parkersburg, WV 26101
SURFACE OWNER B. Wherry
ADDRESS St. Marys, WV 26170
MINERAL RIGHTS OWNER Arlington Shultz
ADDRESS Rt#1, St. Marys, WV 26170
OIL AND GAS INSPECTOR FOR THIS WORK Phil Tracy
ADDRESS Rt 23, Alma, W.V. 26320
PERMIT ISSUED 12-7-81
DRILLING COMMENCED 1-5-82
DRILLING COMPLETED 1-14-82
IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

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	932'	932'	290 Sx.
7			
5 1/2			
4 1/2	4495'	4495'	350 Sx.
3			
2			
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 4500 + feet
Depth of completed well 4519 feet Rotary X / Cable Tools
Water strata depth: Fresh feet; Salt feet
Coal seam depths: Is coal being mined in the area?

OPEN FLOW DATA
Producing formation Devonian Shale Pay zone depth 1916 - 4519 feet
Gas: Initial open flow 200 Mcf/d Oil: Initial open flow 2 Bbl/d
Final open flow 180 Mcf/d Final open flow 2 Bbl/d
Time of open flow between initial and final tests 6 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

(Continue on reverse side)

MAR 9 1982

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

Perforated: 2702' to 2912' *Fluon*
 Frac'd: Broke @ Natural Fracture, Ave. Pressure 2650, Ave. Rate 30 MSCF/Min.
 ISI 1700 (5min. N/A) Nitro - 600,000 SCF .

*2702
1916
786*

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
Clay			0	13	
Blue Rock			12	35	
Red Rock			35	80	
Lime			80	90	
Sand Rock			90	100	
Slate			100	115	
Lime & Shells			115	125	
Slate			125	140	
Lime Shells			140	145	
Slate			145	167	
Red Rock			167	195	
Slate			210	295	
Slate			308	320	
Red Rock			320	350	
Lime			350	375	
Red Rock			375	400	
Lime			400	408	
Red Rock			408	435	
Slate			435	455	
Red Rock			455	470	
Blue Lime			470	490	
Shale			490	503	
Lime			503	513	
Slate			513	539	
Lime			555	558	
Slate			558	575	
Shale			575	585	
Red Rock			585	615	
Shells			615	617	
Shale			617	638	
Lime			638	648	
Slate			648	665	
2nd Cow Run			665	669	
Slate			669	680	
Shale			680	690	
Slate			690	710	
Pink Rock			710	715	
Slate			715	720	

(Attach separate sheets as necessary)

L&M Petroleum Co.

Well Operator

By: Jean Kettering *Jean Kettering*

Date: 2-16-82

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

February 16, 1982

ARLINGTON SHULTZ # 3 Well

WELL LOG

FORMATION	TOP FEET	BOTTOM FEET	REMARKS
Blue Lime	720	750	
Slate	750	755	
Lime	755	760	
Gas Sand	760	795	Oil (show) 768 Ver Ligh
Lime	760	795	
Sand	805	910	
Black Slate	910	922	
Lime	922	930	
Slate	930	1055	
Lime Shells	1055	1060	
Slate	1060	1075	
Shale	1075	1080	
Slate	1080	1120	
1st Salt	1120	1165	
Slate	1165	1175	
2nd Salt	1175	1220	
Slate	1220	1240	
Lime Shells	1240	1245	
Sand	1245	1260	
Slate & Shells	1260	1272	
Lime	1272	1275	
Sand	1275	1335	
Black Lime	1335	1340	
Shale	1340	1350	
Maxon Sand	1350	1380	
Big Injun	1438	1526	
Squaw	1530	1566	
Weir	1840		
Berea	1914	1916	
Gordon	2304	2700	
<u>Devonian Shale</u>	Base of Berea	4519	OIL/GAS

1914
2605

MAR 9 1982

FILE COPY

MAILED
MAR 03 1987



1) Date: FEBRUARY 12, 1987
2) Operator's Well No. ARLINGTON SCHULTZ #3
3) API Well No. 47 - 073-1373 -FRAC.
State County Permit

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

RE-FRAC

DIVISION OF OIL & GAS
DEPARTMENT OF ENERGY

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage / Deep / Shallow)
- 5) LOCATION: Elevation: 758' Watershed: MIDDLE ISLAND CREEK
 District: UNION 5 County: PLEASANTS Quadrangle: RAVEN ROCK 568
- 6) WELL OPERATOR BEACON RESOURCES CODE: 3975 7) DESIGNATED AGENT DENNY HARTON
 Address P.O. BOX 5370 Address #1 17th STREET
VIENNA, WV 26105 VIENNA, WV 26105
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name ROBERT LOWTHER Name BEACON RESOURCES
 Address GENERAL DELIVERY Address P.O. BOX 5370
MIDDLEBOURNE, WV 26149 VIENNA, WV 26105
- 10) PROPOSED WELL WORK: Drill / Drill deeper / Redrill / Stimulate
 Plug off old formation / Perforate new formation
 Other physical change in well (specify) SET ALPHA PLUG
- 11) GEOLOGICAL TARGET FORMATION, DEVONIAN SHALE
 12) Estimated depth of completed well, 4519 feet
 13) Approximate trata depths: Fresh, _____ feet; salt, _____ feet.
 14) Approximate coal seam depths: _____ Is coal being mined in the area? Yes / No

15) CASING AND TUBING PROGRAM

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		Kinds	Sizes
Conductor										
Fresh water										
Coal										
Intermediate	8 5/8						932'	290 sks		
Production	4 1/2						4495'	350 sks		Depths set
Tubing										
Linings										Perforations:
										Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-073-1373-FRAC

March 3

19 87

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 March 3, 1989 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee <u>6978</u>	WPCP	S&E	Other
-------	--------	-------	--------	--------------------	------	-----	-------

181

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

[Signature]
Director, Division of Oil and Gas

File

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

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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL
GEOPHYSICAL LOGS DIRECTLY TO:

WEST VIRGINIA OIL AND GAS
CONSERVATION COMMISSION
1613 WASHINGTON ST., E.
CHARLESTON, WV 25311
Telephone - 304/348-3092

L&M Petroleum Co.

Well Operator

Joanne Cogan
Joanne Cogan

Its: Vice President

BLANKET BOND: