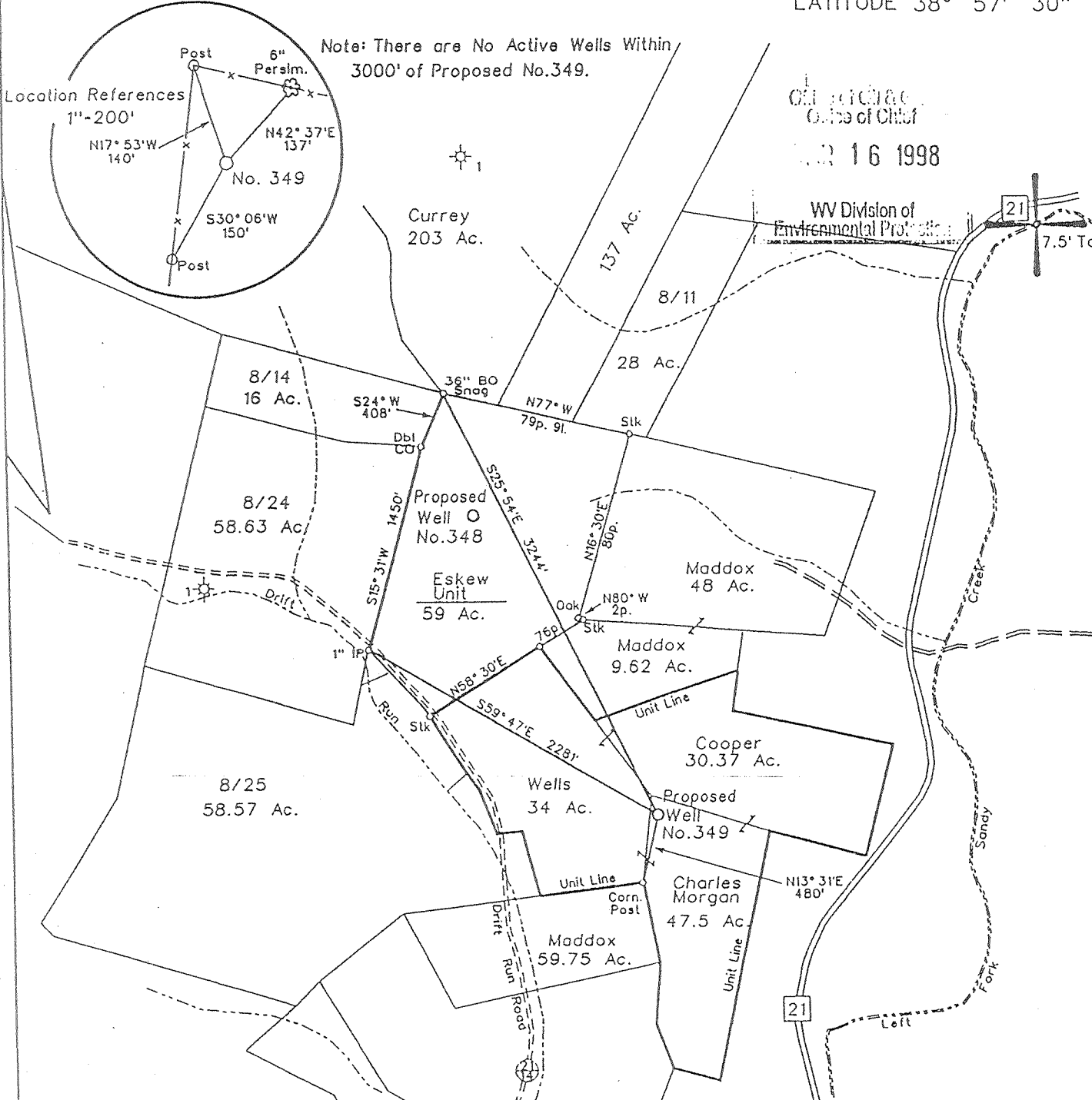


-1,430'

LATITUDE 38° 57' 30"

3,250'

LONGITUDE 81° 37' 30"

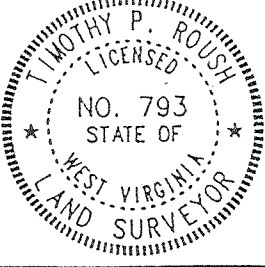


(H) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 106-14
 MAP NO. 21W N S32E W57
 SCALE 1"-1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road Intersection 3500' South = 611'

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) Timothy P. Roush
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil and Gas
 *10 McJunkin Road
 Nitro, West Virginia 25143-2506



DATE February 28, 19 98
 FARM Charles Morgan NO. 349
 API WELL NO. 47-035-02410P

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION X STORAGE DEEP X SHALLOW
 LOCATION: ELEVATION 910' WATERSHED Left Fork of Sandy Creek
 DISTRICT Ravenswood COUNTY Jackson
 QUADRANGLE Sandyville 7.5'
 SURFACE OWNER Charles Morgan ACREAGE 47.5 Ac.
 OIL & GAS ROYALTY OWNER Charles Morgan LEASE ACREAGE 47.5 Ac.
 LEASE NO.
 PROPOSED WORK: DRILL X CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE X 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 5100'
 WELL OPERATOR Carl E. Smith Petroleum, Inc. DESIGNATED AGENT Robert Pryce
 ADDRESS P.O. Box 4 Sandyville, W.Va. 25275 ADDRESS P.O. Box 4 Sandyville, W.Va. 25275

MAR 29 1998

FORM IV-6

JAC 2410 P

Sandyville, W.Va.

1,430'

LATITUDE 38° 57' 30"

3,250'

LONGITUDE 81° 37' 30"

Note: There are No Active Wells Within 3000' of Proposed No.349.

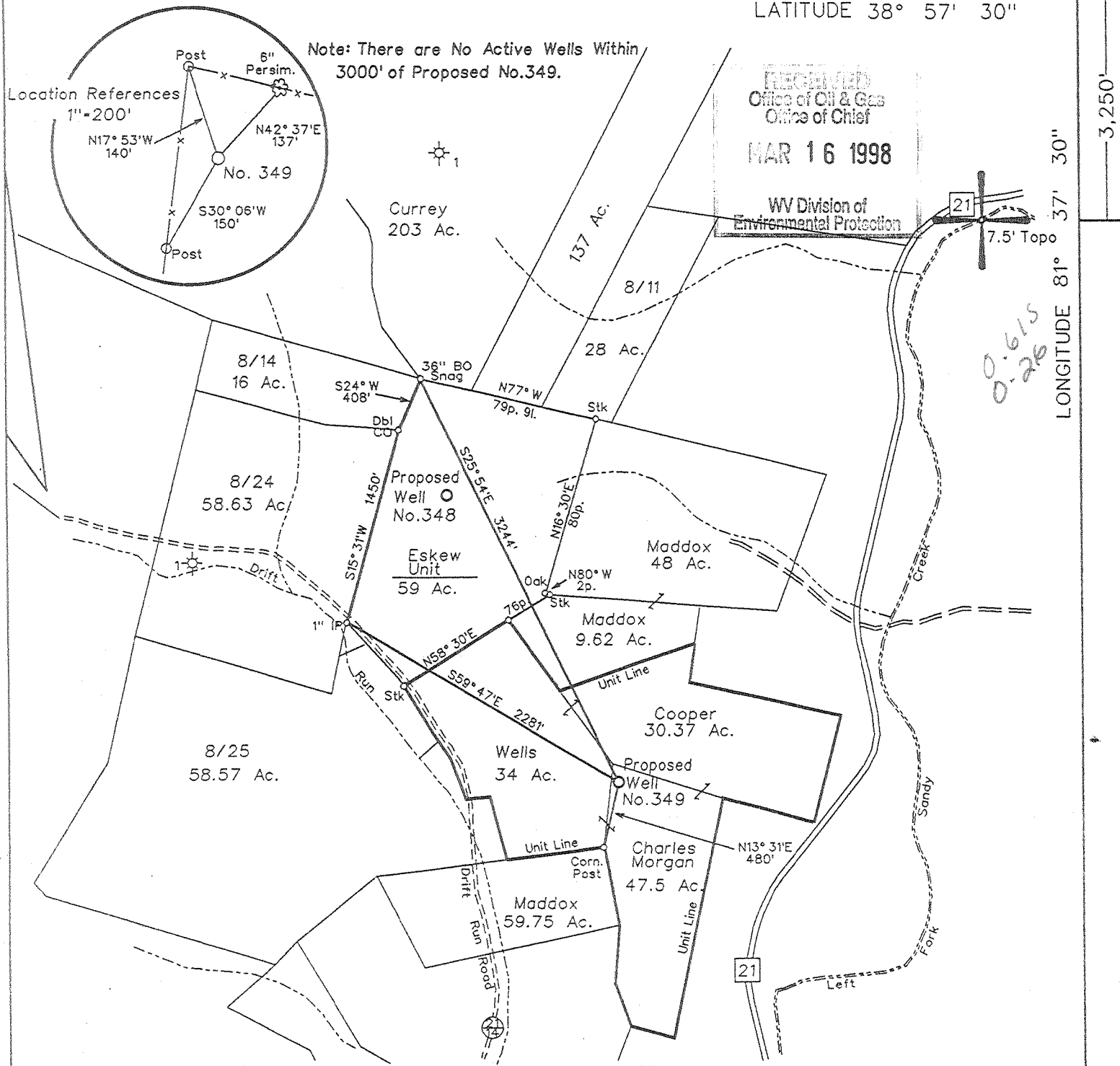
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Office of Chief

MAR 16 1998

WV Division of
Environmental Protection

21

7.5' Topo

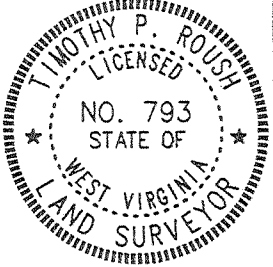


(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FILE NO. 106-14
 MAP NO. 21W N S32 E W57
 SCALE 1"=1000'
 MINIMUM DEGREE OF ACCURACY 1 in 200
 PROVEN SOURCE OF ELEVATION Road Intersection
3500' South = 611'

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) *Timothy P. Roush*
 TIMOTHY P. ROUSH PS 793



WEST VIRGINIA
 Division of Environmental Protection
 Office of Oil and Gas
 *10 McJunkin Road
 Nitro, West Virginia 25143-2506



DATE February 28, 19 98
 FARM Charles Morgan NO. 349
 API WELL NO. 47-035-02410

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL
 (IF "GAS") PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 910' WATERSHED Left Fork of Sandy Creek
 DISTRICT Ravenswood COUNTY Jackson
 QUADRANGLE Sandyville 7.5'
 SURFACE OWNER Charles Morgan ACREAGE 47.5 Ac.
 OIL & GAS ROYALTY OWNER Charles Morgan LEASE ACREAGE 47.5 Ac.
 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 Oriskany ESTIMATED DEPTH 5200'
 WELL OPERATOR Carl E. Smith Petroleum, Inc. DESIGNATED AGENT Robert Pryce
 ADDRESS P.O. Box 4 ADDRESS P.O. Box 4
Sandyville, W.Va. 25275 Sandyville, W.Va. 25275

APR 21 1998

6-6 192

DEEP WELL

JAC 2410

FORM IV-6

WR-35

15-Apr-98
API # 47- 35-02410

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas

Well Operator's Report of Well Work

Farm name: MORGAN, CHARLES Operator Well No.: 349

LOCATION: Elevation: 910.00 Quadrangle: SANDYVILLE

District: RAVENSWOOD County: JACKSON
Latitude: 3250 Feet South of 38 Deg. 57Min. 30 Sec.
Longitude 1430 Feet West of 81 Deg. 37 Min. 30 Sec.

Company: SMITH, CARL E., PETROLEUM
P. O. BOX 4
SANDYVILLE, WV 25275-0000

Agent: LARRY D. SMITH

Inspector: HOMER DOUGHERTY
Permit Issued: 04/15/98
Well work Commenced: 12/16/98
Well work Completed: 12/30/98
Verbal Plugging
Permission granted on: 1/5/99
Rotary X Cable _____ Rig
Total Depth (feet) 5338'
Fresh water depths (ft) 480'

Salt water depths (ft) 1380±

Is coal being mined in area (Y/N)? N
Coal Depths (ft): none

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"	268'	268'	To Surface
7"	2303'	2303'	283 sks. To Surface
4 1/2"	5262'	2654'	250 sks.

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Office of Oil & Gas
Permitting

FEB 05 1999

WV Division of
Environmental Protection

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 5286-5338
Gas: Initial open flow 20 MCF/d Oil: Initial open flow -0- Bbl/d
Final open flow 20 MCF/d Final open flow -0- Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure 810 psig (surface pressure) after 256 Hours

Second producing formation _____ Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF/d Oil: Initial open flow _____ Bbl/d
Final open flow _____ MCF/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests _____ Hours
Static rock Pressure _____ psig (surface pressure) after _____ Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC. 2). THE WELL LOG WHICH IS A SYSTEMATIC DETAILED GEOLOGICAL RECORD OF ALL FORMATIONS, INCLUDING COAL ENCOUNTERED BY THE WELLBORE.

For: SMITH, CARL E., PETROLEUM, INC.

By: R.A.P. R.A. PRYCE, Geologist
Date: 2/2/99

FEB 19 1999

JAC 2410

Morgan Formation Tops KB

0 - 455	Silt & Shale
455 - 480	Sandstone
480 - 665	Silt & Shale
665 - 680	Sandstone
680 - 785	Silt & Shale
785 - 860	Sandstone
860 - 940	Silts & Shale
940 - 947	Sandstone
947 - 1340	Silts & Shale
1340 - 1458	Sandstone
1458 - 1530	Silt & Shale
1530 - 1600	Sand
1600 - 1625	Shale
1625 - 1660	Sand
1660 - 1725	Shale
1725 - 1805	Sand
1805 - 1925	Shale
1925 - 2300	Salt Sands
2300 - 2618	Shales
2618 - 2641	Coffee Shale
2641 - 2642	Berea Horizon
2642 - 4990	Shale
4990 - 5163	Marcellus Shale
5163 - 5286	Ononadaga Lime
5286 - 5338	Oriskany s/g only 350# R.P. - 120 hr. TD show of gas & salt water 810# R.P. - 256 hr.