

LATITUDE 39° 02' 30"

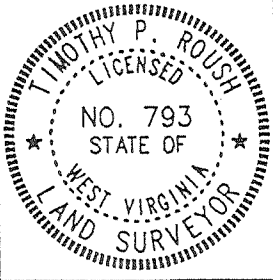
LONGITUDE 81° 35' 00"

12,300'

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

FILE NO. 106-28  
 MAP NO. 21W N S29E W54  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 in 200  
 PROVEN SOURCE OF ELEVATION Road Intersection  
4000' NE = 685'

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



STATE OF WEST VIRGINIA  
 DIVISION OF ENERGY  
 OIL AND GAS SECTION



DATE May 5, 19 98  
 FARM John Crouser No. 346  
 API WELL NO. 47-035-02449

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL   
 (IF "GAS") PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION: ELEVATION 879' WATERSHED Left Fork of Sandy Creek  
 DISTRICT Grant COUNTY Jackson  
 QUADRANGLE Rockport 7.5'

SURFACE OWNER John A. Crouser ACREAGE 69.5 Ac.  
 OIL & GAS ROYALTY OWNER John A. Crouser LEASE ACREAGE 75 Ac.

PROPOSED WORK: DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  OTHER PHYSICAL CHANGE IN WELL (SPECIFY) 6-6279

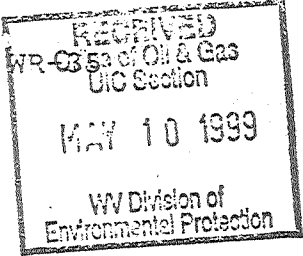
PLUG AND ABANDON  CLEAN OUT AND REPLUG   
 TARGET FORMATION Oriskany ESTIMATED DEPTH 5400'  
 WELL OPERATOR Carl E. Smith Petroleum, Inc. DESIGNATED AGENT Robert Pryce  
 ADDRESS P.O. Box 4 ADDRESS P.O. Box 4  
Sandyville, W.Va. 25275 Sandyville, W.Va. 25275

DEEP WELL

SEP 21 1998

FORM IV-6

JAC 24/98



18-Sep-98  
API # 47- 35-02449

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

Well Operator's Report of Well Work

Reviewed *SH*

Farm name: CROUSER, JOHN A.

Operator Well No.: 346

LOCATION: Elevation: 879.00      Quadrangle: ROCKPORT

District: GRANT      County: JACKSON  
Latitude: 12300 Feet South of 39 Deg. 2 Min. 30 Sec.  
Longitude 1300 Feet West of 81 Deg. 35 Min. 0 Sec.

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

Agent: LARRY D. SMITH

Inspector: HOMER DOUGHERTY  
Permit Issued: 09/18/98  
Well work Commenced: 11/30/98  
Well work Completed: 12/12/98  
Verbal Plugging  
Permission granted on: N/A  
Rotary X Cable Rig  
Total Depth (feet) 5103  
Fresh water depths (ft) 750±

Casing & Tubing	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
9 5/8"	9 5/8"-279'	279	Back To Surface
7" - 23#	2184'	2184	Back To Surface 236 sks
4 1/2" - 11.5#	5046	5046	150 sks Pos 50 sks A 2% gell 10% calcuim

Salt water depths (ft) 1200±

Is coal being mined in area (Y/N)? N  
Coal Depths (ft): n/a

OPEN FLOW DATA

Producing formation Oriskany Pay zone depth (ft) 5071-5080  
Gas: Initial open flow 1.2 MM MCF/d Oil: Initial open flow \_\_\_\_\_ Bbl/d  
Final open flow 400 mcf MCF/d Final open flow \_\_\_\_\_ Bbl/d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock Pressure 1790 psig (surface pressure) after 24 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.

*R.A.P.*  
For: SMITH, CARL E., PETROLEUM, INC.

By: R. A. Pryce, Geologist  
Date: 12/16/98

MAY 17 1999

JAC 2449

Well drilled out from under 4 1/2" casing set at 5046. Drilled approximately 57' of new hole. Gas flare at top of Oriskany at 5071' Tested 2.5 MMCF

Depth all KB measurements      No Electric Logs Run

Driller Tops

Big Lime      1835

Ononadaga Limestone    4952 - 5071

Oriskany Sandstone    5071 - 5103      Gas at 5071 - 5080

TD                      5103