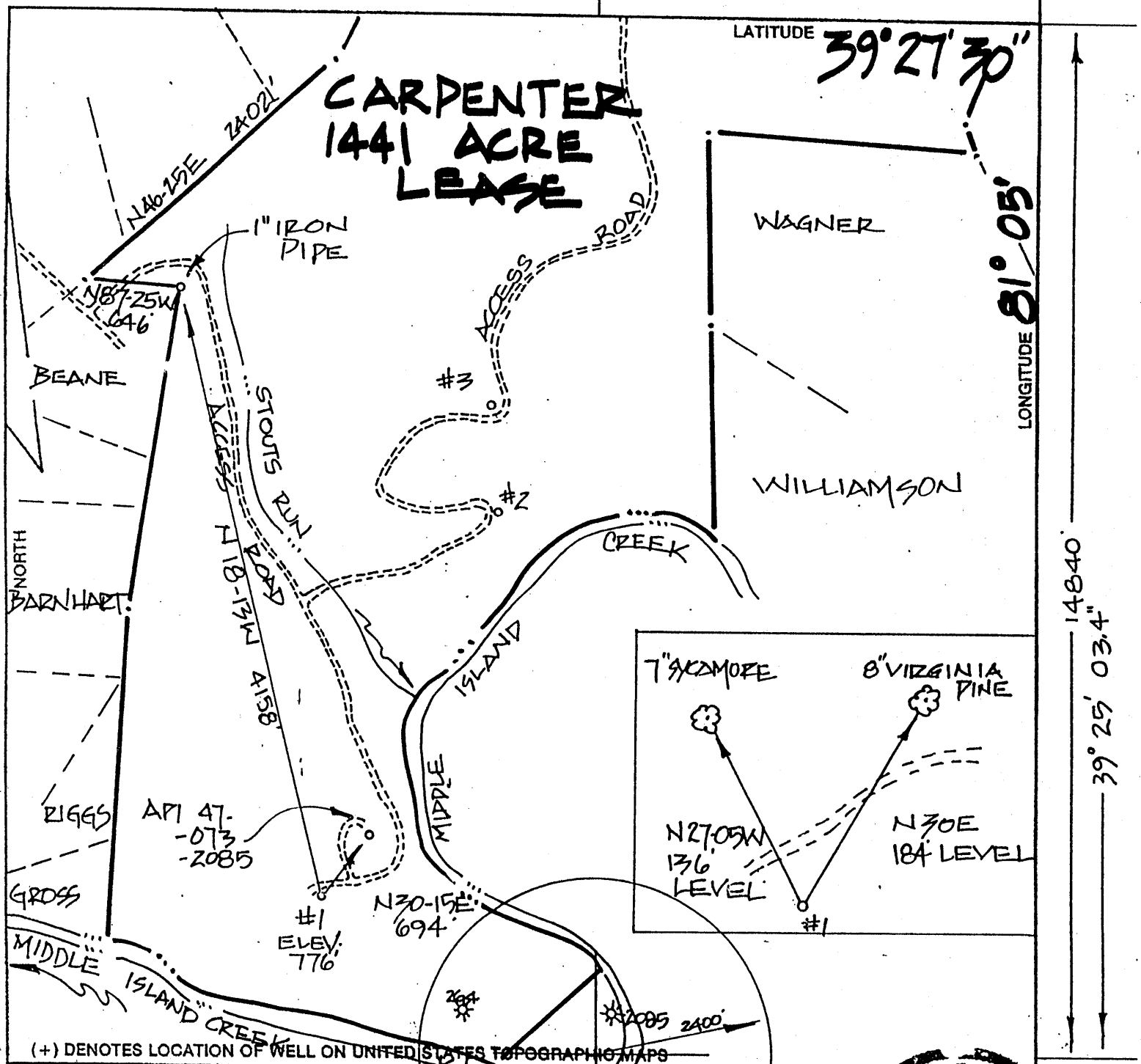


81° 06' 18.9"
6190'

LATITUDE 39° 27' 30"

LONGITUDE 81° 05'

CARPENTER 1441 ACRE LEASE

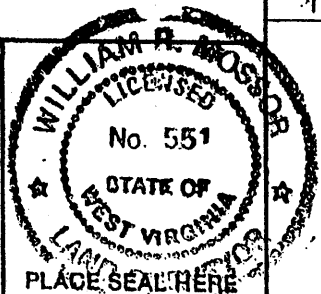


14840
39° 25' 03.4"

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

FILE NO. _____
DRAWING NO. _____
SCALE 1" = 1000'
MINIMUM DEGREE OF ACCURACY 1:200
PROVEN SOURCE OF ELEVATION 47-073-2085
ELEV. 811

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 ENERGY (SIGNATURE) _____ R.P.E. _____ P.S. 551



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



DATE 10 MAY 20 04
OPERATOR'S WELL NO. #1
API WELL NO.

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
(IF "GAS,") PRODUCTION STORAGE _____ DEEP _____ SHALLOW
LOCATION: ELEVATION 776.85 WATER SHED MIDDLE ISLAND CREEK
DISTRICT UNION COUNTY PLEASANTS
QUADRANGLE BENS RUN
SURFACE OWNER HEARTWOOD FORESTLAND FUND IV ACREAGE 710
OIL & GAS ROYALTY OWNER PETHTEL-SHIMER LEASE ACREAGE 1441
PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____

COUNTY NAME PLE
PERMIT 2347

PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5999'
WELL OPERATOR E & S OIL & GAS DESIGNATED AGENT JOHN GRIM
ADDRESS 402 PARMACO ST. ADDRESS 402 PARMACO ST.
PARKERSBURG, WV 26101 PARKERSBURG, WV 26101

MP

State of West Virginia
Department of Environmental Protection
Office of Oil and Gas

Well Operator's Report of Well Work

Farm name: _____ Carpenter _____ Operator Well No.: _____ # 1

LOCATION: Elevation: _____ 805 _____ Quadrangle: _____ Bens Run, W. Va.

District: _____ Union _____ County: _____ Pleasants

Latitude: _____ 14840 _____ Feet South of _____ 39 _____ Deg. _____ 27 _____ Min. _____ 30 _____ Sec.

Longitude _____ 6190 _____ Feet West of _____ 81 _____ Deg. _____ 05 _____ Min. _____ 00 _____ Sec.

Company: _____ G & S Drilling

	Casing & Tubing	Used in drilling	Left in well	Cement fill up Cu. Ft.
Address: 402 Parmaco Street	9-5/8"	302'	302'	CTS 148 cu ft
Parkersburg, WV 26101	7"	1536'	1536'	CTS 224 cu ft
Agent: John Grim	4-1/2"		5031'	265 cu ft
Inspector: Larry Parrish				
Date Permit Issued: 5/20/04				
Date Well Work Commenced: 6/1/04				
Date Well Work Completed: 6/30/04				
Verbal Plugging: N/A				
Date Permission granted on:				
Rotary <input checked="" type="checkbox"/> Cable <input type="checkbox"/> Rig				
Total Depth (feet): 5031'				
Fresh Water Depth (ft.): 560'				
Salt Water Depth (ft.): None				
Is coal being mined in area (N/Y)? No				
Coal Depths (ft.): _____ No coal				

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Office of Oil & Gas

JUL 12 2004

WV Department of
Environmental Protection

OPEN FLOW DATA

Producing formation _____ Devonian Shale _____ Pay zone depth (ft) _____ 3620'-5000' _____

Gas: Initial open flow _____ 250 _____ MCF/d Oil: Initial open flow _____ 0 _____ Bbl/d

Final open flow _____ 35 _____ MCF/d Final open flow _____ 0 _____ Bbl/d

Time of open flow between initial and final tests _____ 24 _____ Hours

Static rock Pressure _____ 1100 _____ psig (surface pressure) after _____ 24 _____ Hours

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.

Signed: _____

By: John S Grim, VP G+S Oil and Gas Inc.

Date: 7/7/2004

PLE 2347

409 1 8 2004

Perforated 1st Stage: 4884'-4995', 16 shots
Fractured 1st Stage: 60 Quality Foam, 313 bbl water, 40,000# 20/40 Sand
Break: 2980 psi, Average 3037 psi

Perforated 2nd Stage: 4333'-4452', 16 shots
Fractured 2nd Stage: 60 Quality Foam, 281 bbl water, 40,000# 20/40 Sand
Break: 3160 psi, Average 2895 psi

Perforated 3rd Stage: 3621'-3744', 18 shots
Fractured 3rd Stage: 60 Quality Foam, 247 bbl water, 40,000# 20/40 Sand
Break: 2860 psi, Average 2806 psi

Permian Sands/Shales	Surface		
Pennsylvanian Sands/Shales	500'		
Greenbrier	1590	Keener Sand	1590'-1664'
Pocono	1670'	Big Injun Sand	1670'-1750'
Missippian Sands		Lower Weir Sand	2060'-2070'
		Berea Sand	2102'-2104'
Devonian Sands		Fifty Foot	2218'-2222'
		Thirty Foot	2378'-2390'
		Gordon	2498'-2506'
Devonian Shale		Speechley	3570'-3302'
		Balltown	3618'-3752'
		1 st Riley	4332'-4350'
		2 nd Riley	4409'-4452'
		Benson	4652'-4656'
		Alexander	4880'-4996'
			5048'

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WV Department of
Environmental Protection