

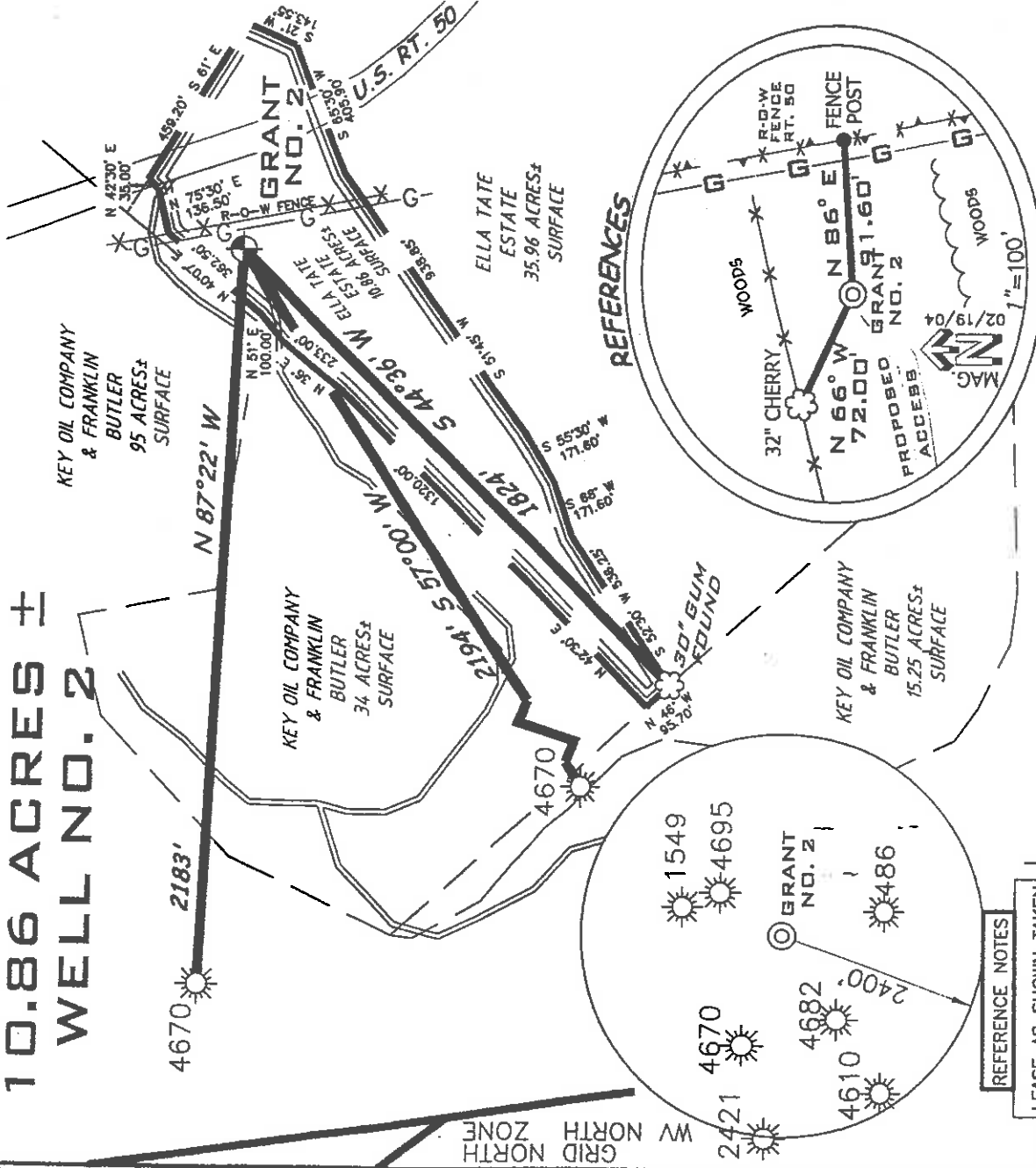
SURVEYED LONG.
80' 44' 48.0"

10840'

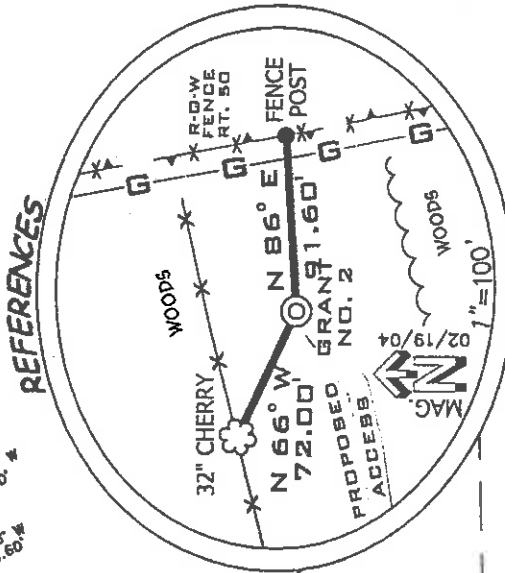
GRANT LEASE ± 10.86 ACRES ± WELL NO. 2

LATITUDE 39° 20' 00"

GRID NORTH
WV NORTH ZONE



REFERENCES



REFERENCE NOTES

LEASE AS SHOWN TAKEN FROM DEED BOOK 82 PAGE 247

OWNERSHIP TAKEN FROM PUBLIC RECORDS OF DODDRIDGE COUNTY, WV IN JANUARY, 2004.
LAT./LONG. BY DIFFERENTIAL SUBMETER MAPPING GRADE GPS

PROPOSED WELL
STATE PLANE NAD 27
COORDINATES
N) 291038
E) 1647170

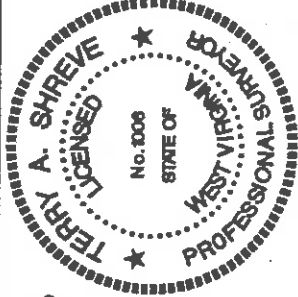
(+) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER 040057
DRAWING NUMBER WP2(W1-61)
SCALE 1"=500'
MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1295'

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 ENVIRONMENTAL PROTECTION

P.S.
1008

Terry A. Shreve



STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF 'GAS') PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW

LOCATION ELEVATION 916' WATERSHED TRIBUTARY OF MIDDLE ISLAND CREEK

DISTRICT WEST UNION COUNTY

QUADRANGLE SMITHBURG 7.5'

SURFACE OWNER ELLA ROSE TATE ESTATE

OIL & GAS ROYALTY OWNER ELLA ROSE TATE ESTATE

PROPOSED WORK: DRILL CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE PLUG OFF OLD FORMATION
PERFORATE NEW FORMATION ___ OTHER PHYSICAL CHANGE (SPECIFY)

TARGET FORMATION GORDON

WELL OPERATOR KEY OIL COMPANY

ADDRESS 22 GARTON PLAZA WESTON, WV 26452

DESIGNATED AGENT JAN CHAPMAN

ADDRESS 22 GARTON PLAZA WESTON, WV 26452

DATE: MARCH 4, 2004

OPERATORS WELL NO. GRANT NO. 2

API WELL NO.

47-017 04814

STATE COUNTY PERMIT

COUNTY NAME

PERMIT

LEASE NUMBER

ACREAGE 10.86±

LEASE ACREAGE 10.86±

PLUG ABANDON ___ CLEAN OUT & REPLUG ___

ESTIMATED DEPTH 3000'

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

M13

Well Operator's Report of Well Work

Farm Name: ELLA ROSE TATE ESTATE

Operator Well No. : GRANT NO. 2

LOCATION: Elevation: 916'

Quadrangle: SMITHBURG

District: WEST UNION
Latitude: 14915 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude: 10840 Feet West of 80 Deg. 42 Min. 30 Sec.

County: DODDRIDGE

Company: KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452-0000

Agent: JAN CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 05/24/04
Well Work Commenced: 08/03/04
Well Work Completed: 08/05/04

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 2607'
Fresh water depths (ft) 203'
Salt water depths (ft) NONE

Is coal being mined in area (Y / N) ? N
Coal Depths (ft) : 50' (4')

OPEN FLOW DATA

Keener
Big Injun
Gordon
Producing formation _____
Gas: Initial open flow _____ MCF / d
Final open flow 2,398 MCF / d
Time of open flow between initial and final tests _____ N/A _____ Hours
Static rock pressure 25 psig (surface pressure) after 96 _____ Hours

1728' - 1785'
1785' - 1851'
2400' - 2458'
Pay zone depth (ft) _____
Oil: Initial open flow _____ Bbl / d
Oil: Final open flow _____ Bbl / d
Oil: Final open flow _____ Bbl / d
Time of open flow between initial and final tests _____ Hours
Static rock pressure _____ psig (surface pressure) after _____ Hours

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

RECEIVED BY THE
Office of Oil & Gas
Office of Chief
FEB 22 2005
WV Department of
Environmental Protection
PRESIDENT

For: KEY OIL COMPANY

By: *Jan Chapman*
Date: February 22, 2005

MAY 27 2005

D000 4814

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.

Grant #2 (47-017-4814)
Three Stage Foam Frac - Universal Well Services

1 st Stage:	Gordon (14 holes) (2445' to 2465')	60 Quality Foam, 500 gal. 15% HCl., 25,000# 20/40 sand, 217,000 SCF N2, 255 bbls foam
2 nd Stage:	Big Injun (15 holes) (1803' to 1891')	60 Quality Foam, 500 gal 15% HCl, 30,000# 20/40 sand, 295,000 SCF N2, 330 bbls foam
3 rd Stage:	Keener (15 holes) (1745' to 1751')	60 Quality Foam, 500 gal 15% HCl 25,000# 20/40 sand, 235,000 SCF N2, 310 bbls foam

WELL LOG

KB	0	10
Sand	10	38
Sand & Shale	38	50
Coal	50	54
Shale & Red Rock	54	335
Sand & Shale	335	455
Red Rock	455	468
Sand & Shale	468	645
Red Rock	645	708
Sand	708	721
Sand & Shale	721	926
Sand	926	1018
Sand & Shale	1018	1630
Little Lime	1630	1695
Big Lime	1695	1728
Keener	1728	1785
Big Injun	1785	1851
Shale	1851	1998
Weir	1998	2092
Shale	2092	2202
Berea	2202	2220
Shale	2220	2400
Gordon	2400	2458
Sand & Shale	2458	2607
TD	2607	

1/2" water @ 203'

Gas Checks

1603' - No Show
1916' - Odor
2418' - Odor

MAY 27 2005