

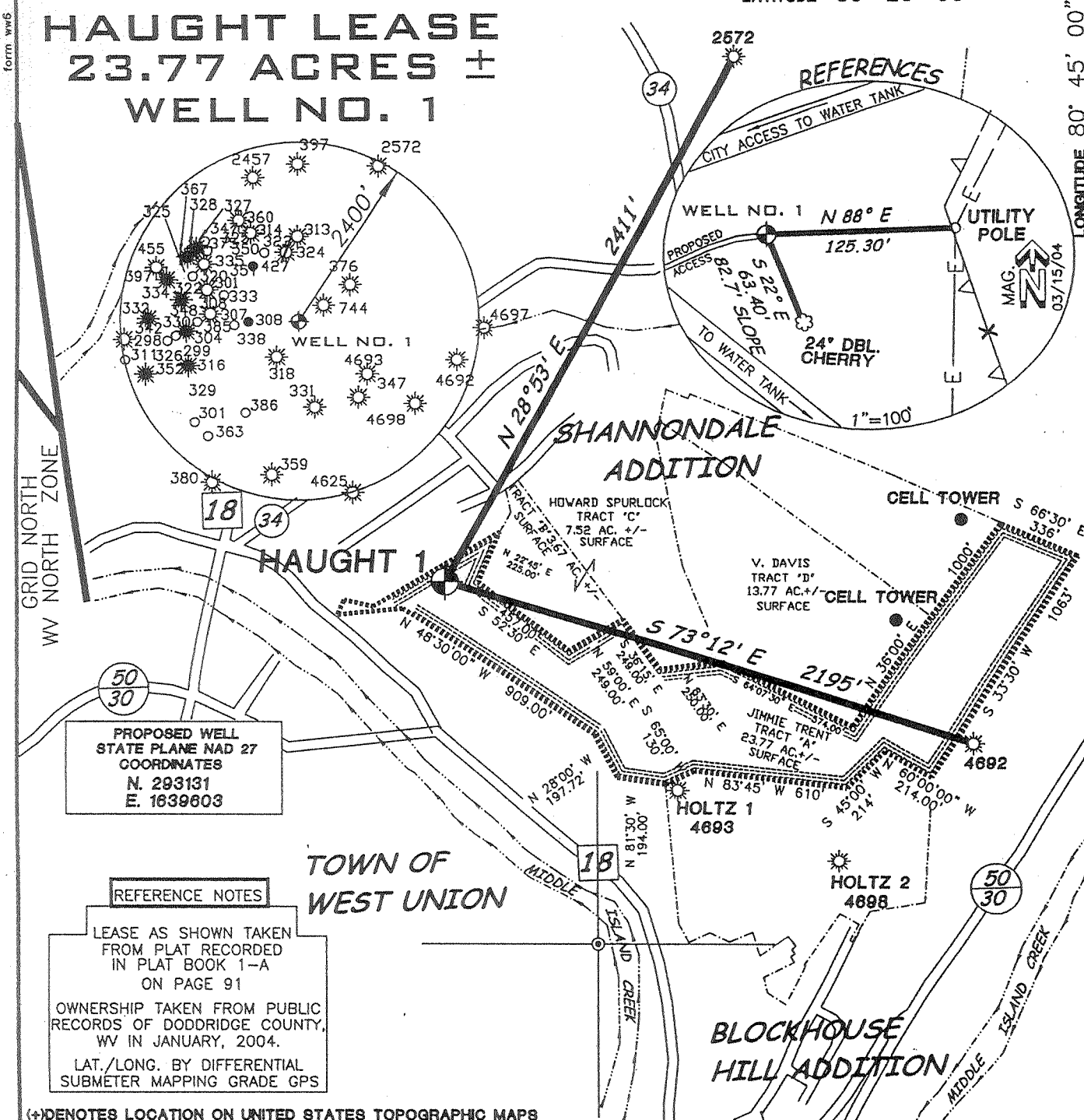
SURVEYED LONG.
80° 46' 24.6"

6650'

LATITUDE 39° 20' 00"

LONGITUDE 80° 45' 00"

HAUGHT LEASE 23.77 ACRES ± WELL NO. 1



PROPOSED WELL
STATE PLANE NAD 27
COORDINATES
N. 293131
E. 1639603

REFERENCE NOTES

LEASE AS SHOWN TAKEN FROM PLAT RECORDED IN PLAT BOOK 1-A ON PAGE 91

OWNERSHIP TAKEN FROM PUBLIC RECORDS OF DODDRIDGE COUNTY, WV IN JANUARY, 2004.

LAT./LONG. BY DIFFERENTIAL SUBMETER MAPPING GRADE GPS

(X) DENOTES LOCATION ON UNITED STATES TOPOGRAPHIC MAPS

FILE NUMBER 040062

DRAWING NUMBER WP1(W2-05)

SCALE 1"=600'

MINIMUM DEGREE OF ACCURACY 1/200

PROVEN SOURCE OF ELEVATION TOP OF KNOB
ELEVATION 1235'

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. 1006 *Terry A. Shreve*



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

DATE: APRIL 21, 2004

OPERATORS WELL NO. HAUGHT No. 1

API WELL NO. 47-017 04840

STATE COUNTY PERMIT

WELL TYPE: OIL GAS X LIQUID INJECTION WASTE DISPOSAL

(IF "GAS") PRODUCTION STORAGE DEEP SHALLOW X

LOCATION ELEVATION 961' WATERSHED MIDDLE ISLAND CREEK

DISTRICT WEST UNION COUNTY DODDRIDGE

QUADRANGLE WEST UNION 7.5 LEASE NUMBER

SURFACE OWNER JIMMIE R. TRENT Jr. ACREAGE 23.77±

OIL & GAS ROYALTY OWNER VERNA HAUGHT ET.AL. LEASE ACREAGE 24.0±

PROPOSED WORK: DRILL CONVERT X DRILL DEEPER REDRILL FRACTURE OR STIMULATE X PLUG OFF OLD FORMATION

PERFORATE NEW FORMATION OTHER PHYSICAL CHANGE (SPECIFY)

PLUG ABANDON CLEAN OUT & REPLUG

TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5600'

WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JAN CHAPMAN

ADDRESS 22 GARTON PLAZA WESTON, WV 26452 ADDRESS 22 GARTON PLAZA WESTON, WV 26452

SURVEYED LAT. 39° 17' 52.1"

COUNTY NAME PERMIT

0000 4840

6-6 (99)

JUN 11 2004

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

Mr B

Well Operator's Report of Well Work

Farm Name: JIMMIE R. TRENT, JR.

Operator Well No. : HAUGHT NO. 1

LOCATION: Elevation: 961'

Quadrangle: WEST UNION

District: WEST UNION County: DODDRIDGE
Latitude: 12940 Feet South of 39 Deg. 20 Min. 00 Sec.
Longitude: 6650 Feet West of 80 Deg. 45 Min. 00 Sec.

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

Agent: JAN CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 06/04/04
Well Work Commenced: 07/23/04
Well Work Completed: 07/26/04
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5314'
Fresh water depths (ft) 452'
Salt water depths (ft) NONE

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
8 5/8"	983'	983'	220 sks To Surface
4 1/2"	5280'	5280'	480 sks.

Is coal being mined in area (Y / N)? N
Coal Depths (ft): 20' (2)

OPEN FLOW DATA

Warren	3190' - 3242'
Speechley	3259' - 3354'
Balltown	3554' - 4304'
Rileys	4350' - 4771'
Benson	4824' - 4836'
Producing formation <u>Alexander</u>	Pay zone depth (ft) <u>5060' - 5157'</u>
Gas: Initial open flow <u>60</u> MCF / d	Oil: Initial open flow <u>0</u> Bbl / d
Final open flow <u>2,144</u> MCF / d	Oil: Final open flow <u>show</u> Bbl / d
Time of open flow between initial and final tests <u>N/A</u>	Hours
Static rock pressure <u>1680</u> psig (surface pressure)	after <u>96</u> Hours

Second producing formation _____ Pay zone depth (ft) _____
 Gas: Initial open flow Commingled MCF / d Oil: Initial open flow _____ Bbl / d
 Final open flow Commingled MCF / 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

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: KEY OIL COMPANY

By: Jan Chapman
Date: February 5, 2005

MAY 27 2005

RECEIVED
Office of Oil & Gas
Office of Chief
FEB 14 2005
PRESIDENT
WV Department of
Environmental Protection

Dodd 4840

MAY 27 2005

Haight #1 (47-017-4840)
Four Stage Foam Frac – Universal Well Services

1 st Stage:	Alexander (14 holes) (5088.75' to 5150.25')	60 Quality Foam. 500 gal. 15% HCL., 60,000# 20/40 sand, 565,000 SCF N2, 814 bbls foam
2 nd Stage:	Benson (7 holes) (4828.75' to 4830.25') Third Riley (6holes) (4745.75' to 4763.75')	60 Quality Foam, 750 gal 15% HCl, 30,000# 20/40 sand, 359,000 SCF N2, 524bbls foam
3 rd Stage:	Riley (12 holes) (5380.50' ^{4380.50'} to 4414.50') Balltown (1 hole) (4286.25')	60 Quality Foam, 750 gal 15% HCl 5,000# 80/100 sand, 35,000# 20/40 sand, 448,000 SCF N2, 649 bbls foam
4 th Stage:	Speechley (6 holes) (3301' to 3344.75') Warren (7 holes) (3198' to 3231.50')	60 Quality Foam, 1,000 gal 15% HCl 5,000# 80/100 sand, 45,000# 20/40 sand, 517,000 SCF N2, 729 bbls foam

WELL LOG

KB	0	10
Fill	10	14
Sand	14	20
Coal	20	22
Sand & Shale	22	80
Shale & Red Rock	80	143
Sand & Shale	143	369
Shale & Red Rock	369	500
Sand	500	541
Red Rock	541	560
Sand & Shale	560	625
Red Rock	625	655
Sand & Shale	655	769
Sand	769	780
Sand & Shale	780	823
Red Rock	823	854
Sand & Shale	854	918
Red Rock	918	959
Sand & Shale	959	1818
Little Lime	1818	1823
Big Lime	1823	1872
Keener	1872	1923
Big Injun	1923	1989
Shale	1989	2126
Weir	2126	2233
Shale	2233	2526
Gordon	2526	2579
Shale	2579	3190
Warren	3190	3242
Shale	3242	3259
Speechley	3259	3354
Shale	3354	3554
Balltown	3554	4304
Shale	4304	4350
Riley	4350	4419
Shale	4419	4712
Third Riley	4712	4771
Shale	4771	4824
Benson	4824	4836
Shale	4836	5060
Alexander	5060	5157
Shale	5157	5314
TD	5314	

Hole damp @ 452'

Gas Checks

1762' – No Show
2014' - Odor
3176' - Odor
3712- 2/10^{ths} 2"/water
4312' - 2/10^{ths} 2"/water
4810' - 2/10^{ths} 2"/water
5063' - 2/10^{ths} 2"/water