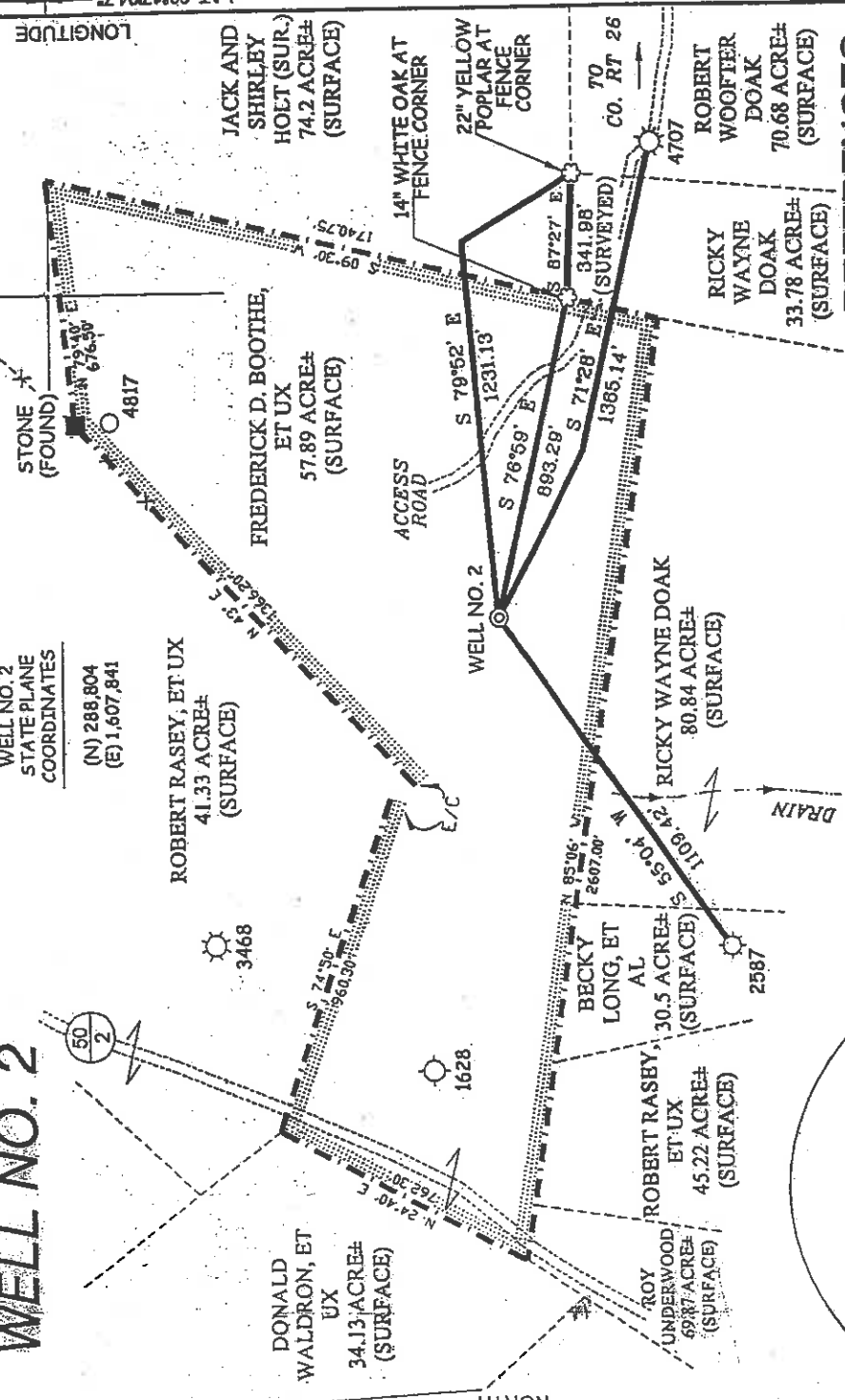


LONG. 80°53'07.7" LATITUDE 39°17'30"

BOOTHE LEASE 59 ACRES± WELL NO. 2

LONGITUDE 80°52'30" LAT. 39°17'04.7"

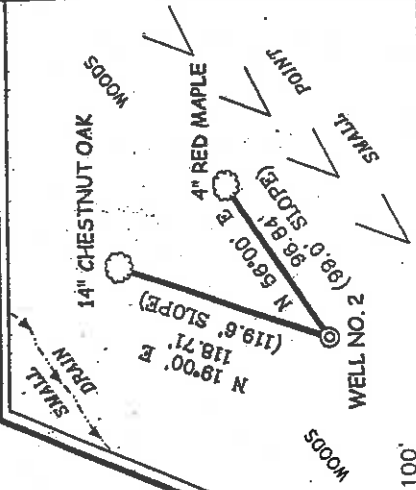
WELL NO. 2
STATE PLANE
COORDINATES
(N) 288,804
(E) 1,607,841



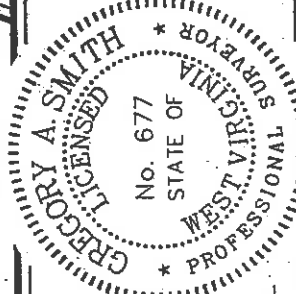
NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 05/11/04.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM: DEED BOOK 199 AT PAGE 779.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN FEBRUARY, 2004.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).

REFERENCES



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 DIVISION OF ENVIRONMENTAL PROTECTION.



P.S. 677
Gregory A. Smith

(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JUNE 11 20 04
OPERATORS WELL NO. BOOTHE NO. 2
ARI WELL NO. 2 04863 PERMIT
STATE COUNTY



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

MINIMUM DEGREE OF ACCURACY 1/200
FILE NO. 1322AP2 (147-70)
SCALE 1" = 500'
PROVEN SOURCE OF ELEVATION DGPS (SUBMETER MAPPING GRADE)

WELL TYPE: OIL GAS INJECTION WASTE DISPOSAL IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION: ELEVATION 1,061' WATERSHED TRIBUTARY OF LONG RUN
DISTRICT CENTRAL COUNTY DODDRIDGE
SURFACE OWNER: FREDERICK D. BOOTHE, ET UX
ROYALTY OWNER: FREDERICK D. BOOTHE, ET AL

PROPOSED WORK:
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER ALEXANDER
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION _____ ESTIMATED DEPTH 5,600'

LEASE NO. _____
ACREAGE 57.89±
LEASE ACRES 59±

WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JAN CHAPMAN
ADDRESS 22 GARTON PLAZA WESTON, WV 26452
ADDRESS 22 GARTON PLAZA WESTON, WV 26452

0000 COUNTY NAME 4863 PERMIT

6-6(89)

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

Well Operator's Report of Well Work

Farm Name: FREDERICK D. BOOTHE, ET. UX.

Operator Well No. : BOOTHE NO. 2

LOCATION: Elevation: 1061'

Quadrangle: PENNSBORO

District: CENTRAL
Latitude: 2550 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 3100 Feet West of 80 Deg. 52 Min. 30 Sec.

County: DODDRIDGE

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

Agent: JAN CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 08/09/04
Well Work Commenced: 01/14/05
Well Work Completed: 01/19/05

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5371'
Fresh water depths (ft) NONE
Salt water depths (ft) 452', 1165'

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	132'	132'	55 sks To Surface
8 5/8"	1945'	1945'	445 sks To Surface
4 1/2"	5315'	5315'	460 sks.

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

OPEN FLOW DATA

Warren
Balltown
Rileys
Benson
Producing formation Alexander
Gas: Initial open flow No Show MCF / d
Final open flow 2,398 MCF / d
Time of open flow between initial and final tests N/A
Static rock pressure 1900 psig (surface pressure) after 96 Hours
Second producing formation _____
Gas: Initial open flow Commingled MCF / d
Final open flow Commingled MCF / d
Time of open flow between initial and final tests _____
Static rock pressure _____ psig (surface pressure) after _____ Hours

3334' - 3412'
3596' - 4435'
4481' - 4873'
4910' - 4920'
5156' - 5242'
0 Bbl / d
show Bbl / d
Hours
96 Hours

RECEIVED
Office of Oil & Gas
Office of Chief
JUN 03 2005
WV Department of Environmental Protection

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.

0000 4863

For: KEY OIL COMPANY

By:
Date: May 31, 2005

PRESIDENT

JUN 24 2005

Booth #2 (47-017-4863)
Four-Stage Foam Frac - Universal Well Services

1 st Stage:	Alexander (13 holes) (5193.50' to 5231.25')	60 Quality Foam, 500 gal. 15% HCl., 60,000# 20/40 sand, 565,000 SCF N ₂ , 815 bbls foam
2 nd Stage:	Benson (7 holes) (4913.75' to 4915.25') Third Riley (6 holes) (4736' to 4841.50')	60 Quality Foam, 750 gal 15% HCl, 30,000# 20/40 sand, 359,000 SCF N ₂ , 526 bbls foam
3 rd Stage:	Riley (8 holes) (4503' to 4530.25') Balltown (5 holes) (4071.50' to 4420')	60 Quality Foam, 750 gal 15% HCl 5,000# 80/100 sand, 35,000# 20/40 sand, 448,000 SCF N ₂ , 652bbls foam
4 th Stage:	Balltown (7 holes) (3554.25' to 3905.75') Warren (7 holes) (3373.75' to 3407.50')	60 Quality Foam, 1000gal 15% HCl 5,000# 80/100 sand, 45,000# 20/40 sand, 517,000 SCF N ₂ , 738bbls foam

WELL LOG

KB	0	10	
Fill	10	12	
Shale & Red Rock	12	60	
Shale	60	115	
Sand & Shale	115	203	
Red Rock	203	230	
Sand & Shale	230	320	
Red Rock	320	360	
Sand & Shale	360	483	
Shale & Red Rock	483	650	
Sand & Shale	650	1000	
Sand	1000	1017	
Sand & Shale	1017	1420	
Sand	1420	1517	
Sand & Shale	1517	1812	
Sand	1812	1900	
Little Lime	1900	1930	
Big Lime	1930	1980	
Big Injun	1980	2076	
Shale	2076	2260	
Weir	2260	2385	
Shale	2385	3334	
Warren	3334	3412	
Shale	3412	3596	
Balltown	3596	4435	
Shale	4435	4481	
Riley	4481	4547	
Shale	4547	4724	
Second Riley	4724	4754	
Shale	4754	4822	
Third Riley	4822	4873	
Shale	4873	4910	
Benson	4910	4920	
Shale	4920	5156	
Alexander	5156	5242	
Shale	5242	5371	
TD	5371		

Damp @ 452'

1/2" water 1165'

Gas Checks

- 2115' - Odor
- 3303' - No Show
- 3707' - No Show
- 4490' - No Show
- 4931' - No Show
- 5184' - No Show

JUN 24 2005