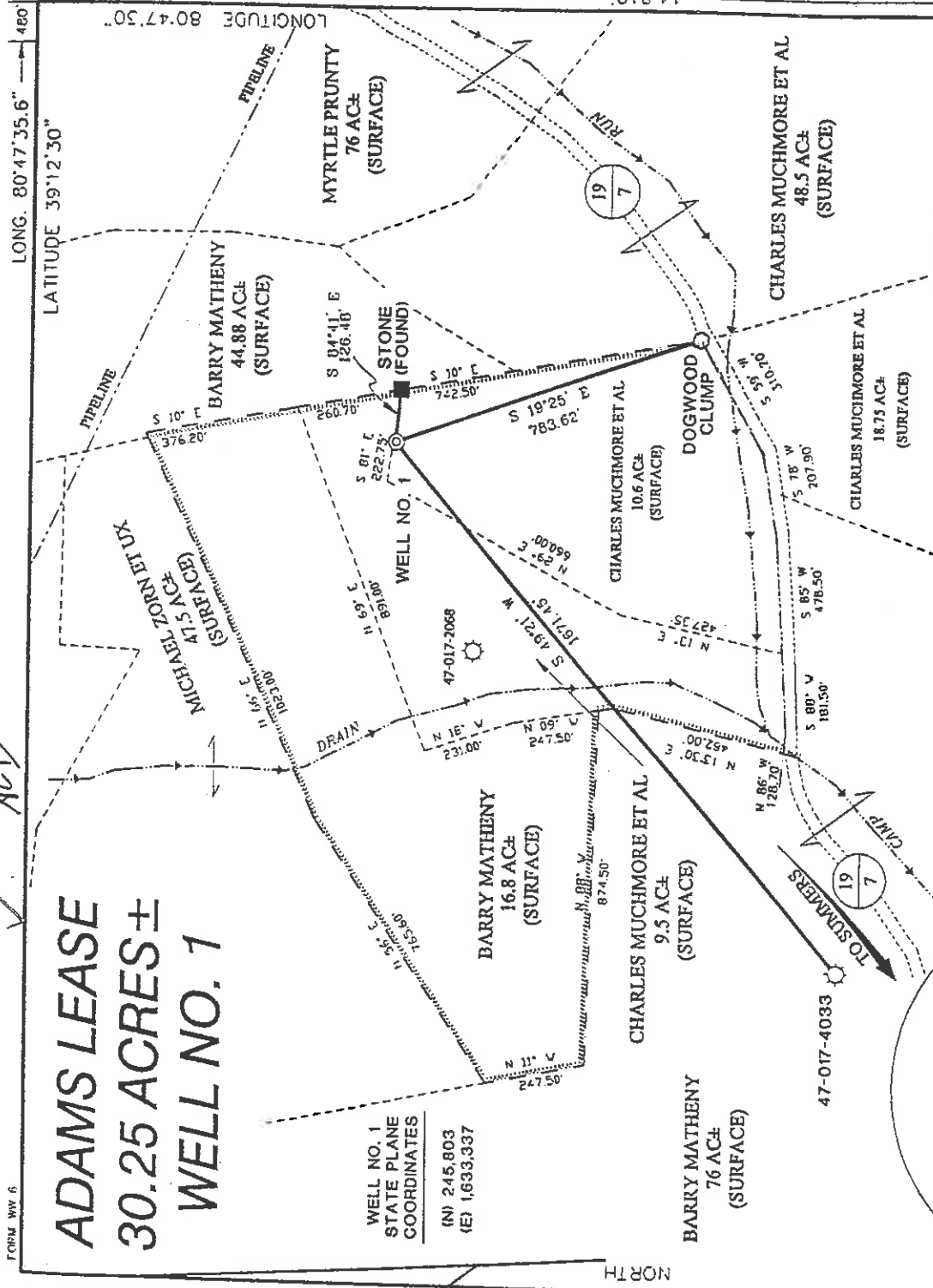


ADAMS LEASE 30.25 ACRES ± WELL NO. 1

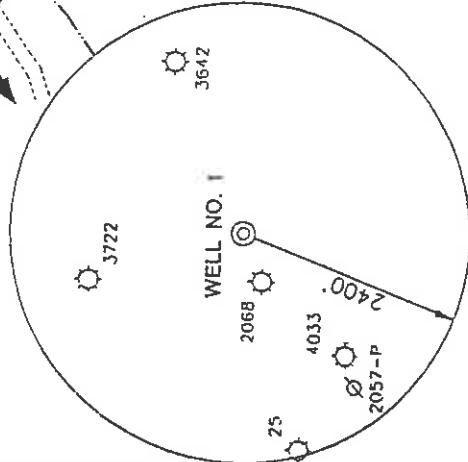
WELL NO. 1
STATE PLANE
COORDINATES

(N) 245,803
(E) 1,633,337



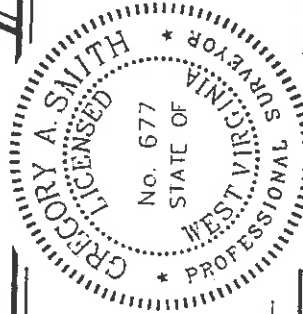
NOTES ON SURVEY

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 10-29-01.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 204 PAGE 449 AND DEED BOOK 144 PAGE 466.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN OCTOBER, 2001.
5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).



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. *Gregory A. Smith*
677



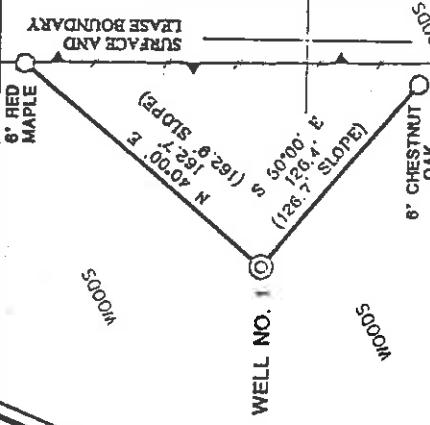
MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4903P1 (114-21)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 840' SCALE 1"=400'

WELL TYPE : OIL GAS INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW
LOCATION : ELEVATION 1206' WATERSHED CAMP RUN OF MIDDLE FORK

DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
SURFACE OWNER CHARLES MUCHMORE, ET AL ACREAGE 10.6±
ROYALTY OWNER SARAH A. SPRINGSTON HEIRS, ET AL LEASE ACREAGE 30.25±
PROPOSED WORK : LEASE NO. _____
DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD
FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION ALEXANDER
ESTIMATED DEPTH 5600'

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

REFERENCES



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

DATE NOVEMBER 13 20 01
OPERATOR'S WELL NO. 1
API WELL NO. 47-17-04710
STATE COUNTY PERMIT

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

Dodd 4710

6-6 Straightfork - Bluestone Creek (133)

Adams #1 (47-017 - 4710)

Four Stage Foam Frac – BJ Services

1st Stage:

Alexander (13 holes) (5092.25' to 5173.50') 60 Quality Foam. 500 gal. 15% HCL.
 Elk (3 holes) (4953.50' to 4984.50') 60,000# 20/40 sand, 550,000 SCF N2,
 814 bbls foam.

2nd Stage:

Benson (7 holes) (4834' to 4835.50') 60 Quality Foam. 750 gal 15% HCL.
 Third Riley (8 holes) (4750.75' to 4752.50') 30,000# 20/40 sand, 370,000 SCF N2,
 524 bbls foam.

3rd Stage:

Riley (10 holes) (4408.25' to 4431.25') 60 Quality Foam 1,000 gal 15% HCL.
 Balltown (5 holes) (3988' to 3999.') 5,000# 80/100 sand, 30,000# 20/40 sand,
 426,000 SCF N2, 602 bbls foam.

4th Stage:

Speechley (9 holes) (3282.50' to 3352.75') 60 Quality Foam. 750 gal 15% HCL.
 Warren (6 holes) (3229.50' to 3254') 5,000# 80/100 sand, 35,000# 20/40 sand,
 464,000 SCF N2, 593 bbls foam.

WELL LOG

| KB-GL | 0 | 10 | 10 |
|-------------------------|------|------|------|
| Clay | 10 | 14 | 14 |
| Sand & Shale | 14 | 100 | 100 |
| Red Rock & Sand & Shale | 100 | 193 | 193 |
| Sand & Shale | 193 | 230 | 230 |
| Sand | 230 | 260 | 260 |
| Sand & Shale | 260 | 407 | 407 |
| Sand | 407 | 420 | 420 |
| Red Rock | 420 | 465 | 465 |
| Sand & Shale | 465 | 575 | 575 |
| Red Rock | 575 | 590 | 590 |
| Sand & Shale | 590 | 710 | 710 |
| Shale & Red Rock | 710 | 754 | 754 |
| Sand & Shale | 754 | 1150 | 1150 |
| Sand | 1150 | 1305 | 1305 |
| Sand & Shale | 1305 | 1825 | 1825 |
| Little Lime | 1825 | 1883 | 1883 |
| Big Lime | 1883 | 1926 | 1926 |
| Keener | 1926 | 1956 | 1956 |
| Limestone | 1956 | 1965 | 1965 |
| Big Injun | 1965 | 2016 | 2016 |
| Sand & Shale | 2016 | 2151 | 2151 |
| Weir | 2151 | 2273 | 2273 |
| Shale | 2273 | 2354 | 2354 |
| Berea | 2354 | 2361 | 2361 |
| Shale | 2361 | 2534 | 2534 |
| Gordon | 2534 | 2587 | 2587 |
| Shale | 2587 | 3228 | 3228 |
| Warren | 3228 | 3256 | 3256 |
| Shale | 3256 | 3273 | 3273 |
| Speechley | 3273 | 3360 | 3360 |
| Siltstone & Shale | 3360 | 3950 | 3950 |
| Balltown | 3950 | 4045 | 4045 |
| Shale | 4045 | 4378 | 4378 |
| Riley | 4378 | 4448 | 4448 |
| Shale | 4448 | 4691 | 4691 |
| Third Riley | 4691 | 4761 | 4761 |
| Shale | 4761 | 4831 | 4831 |
| Benson | 4831 | 4840 | 4840 |
| Shale | 4840 | 4952 | 4952 |
| Elk | 4952 | 5044 | 5044 |
| Shale | 5044 | 5074 | 5074 |
| Alexander | 5074 | 5180 | 5180 |
| Sand & Shale | 5180 | 5343 | 5343 |
| T.D. | 5343 | | |

1" water @ 396'

Gas Checks

2103' - Odor
 2543' - 12/10^{ths} - 2" w/water
 3207' - Odor
 3964' - 8/10^{ths} - 2" w/water
 4404 - Odor
 4812' - Odor
 5060' - Odor

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

Handwritten initials

Well Operator's Report of Well Work

Farm Name: CHARLES MUCHMORE, ET. AL..

Operator Well No. : ADAMS #1

LOCATION: Elevation: 1206.00

Quadrangle: OXFORD

District: SOUTHWEST
Latitude: 14,810 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude: 480 Feet West of 80 Deg. 47 Min. 30 Sec.

County: DODDRIDGE

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 12/16/02
Well Work Commenced: 01/13/03
Well Work Completed: 01/22/03
Verbal Plugging
Permission granted on:
Rotary X Cable _____ Rig
Total Depth (feet) 5343'
Fresh water depths (ft) 396'
Salt water depths (ft) NONE

| Casing & Tubing Size | Used in Drilling | Left in Well | Cement Fill Up Cu. Ft. |
|----------------------|------------------|--------------|------------------------|
| 8 5/8" | 1230' | 1230' | 195 sks To Surface |
| 4 1/2" | 5312' | 5312' | 450 sks |

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

Warren
Speechley
Balltown
Rileys
Benson
Elk

3228' - 3256'
3273' - 3360'
3950' - 4045'
4378' - 4448'
4831' - 4840'
4952' - 5044'
5074' - 5180'

Producing formation Alexander Pay zone depth (ft) 5074' - 5180'
Gas: Initial open flow 84 MCF / d Oil: Initial open flow 0 Bbl / d
Final open flow 1,476 MCF / d Oil: Final open flow show Bbl / d
Time of open flow between initial and final tests N/A Hours
Static rock pressure 1650 psig (surface pressure) after 96 Hours

Second producing formation Commingled Pay zone depth (ft) _____
Gas: Initial open flow _____ MCF / d Oil: Initial open flow _____ Bbl / d
Final open flow _____ 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: *[Signature]*
Date: February 5, 2003

PRESIDENT

MAR 20 2003

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