

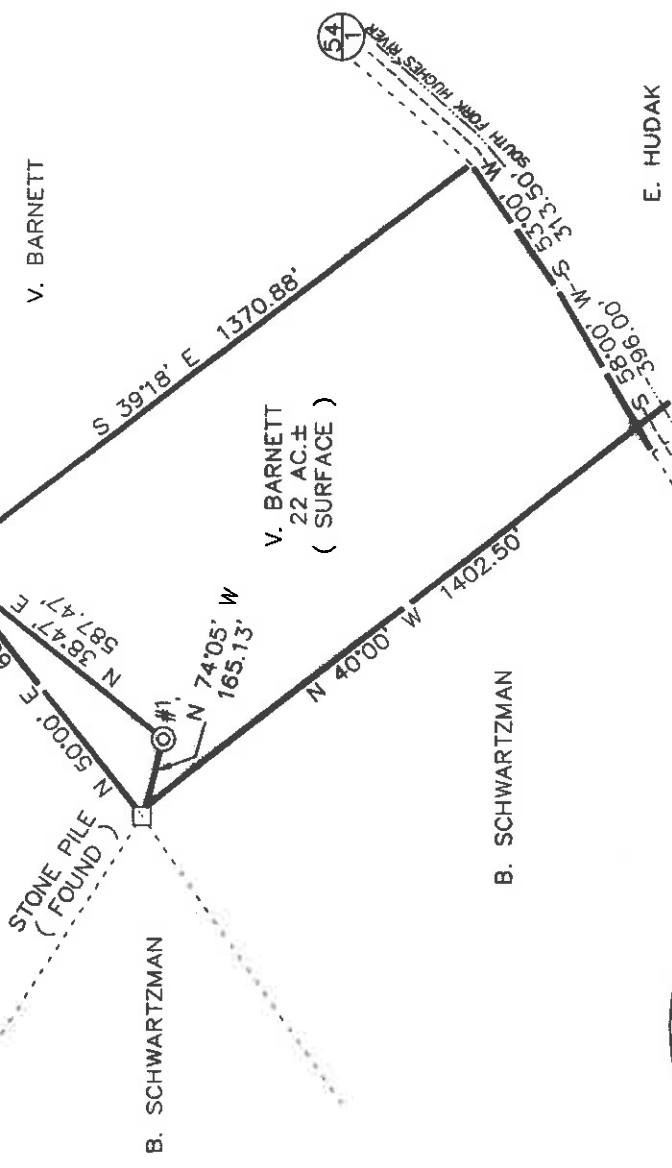
LATITUDE 39°12'30"

LONGITUDE 80°45'00"

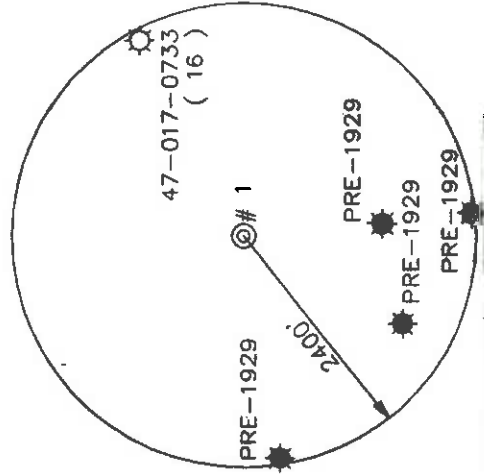
1,250'

Gregory A. Smith
2/15/96

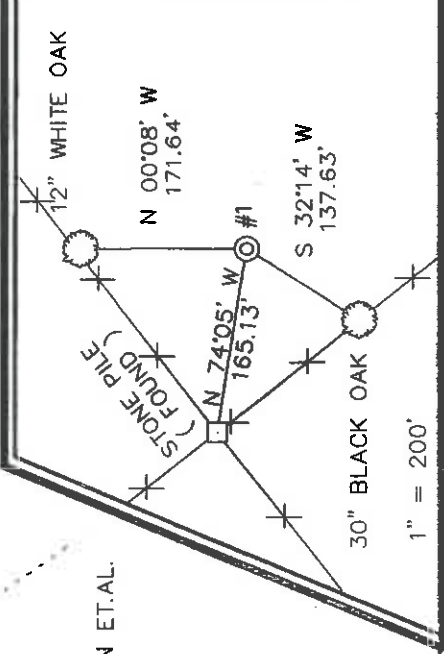
BARNETT LEASE P/O 130 ACRES ± WELL # 1



0.2428
1.6845



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 DEPARTMENT OF ENERGY.

L.L.S. *Gregory A. Smith*
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE DECEMBER 21, 19 94
OPERATORS WELL NO. BARNETT # 1
API WELL NO. 47-017-04245 COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3350 (52-41)
PROVEN SOURCE _____ SCALE 1" = 400'
OF ELEVATION JUNCTION OF ROADS ELEVATION 966'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

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

LOCATION : ELEVATION 1310' WATERSHED TRIBUTARY OF SOUTH FORK HUGHES RIVER
DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
SURFACE OWNER VADA BARNETT ACREAGE 22 OF 55
ROYALTY OWNER GUY BARNETT ET.AL. LEASE ACREAGE 55 OF 130 LEASE NO. _____
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
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION DEVONIAN SHALE ESTIMATED DEPTH 5900'

WELL OPERATOR MURVIN OIL CORPORATION DESIGNATED AGENT P. NATHAN BOWLES, Jr.
ADDRESS PO BOX 297 OLNEY, IL 62450 ADDRESS PO BOX 1386 CHARLESTON, WV 25325

APR 17 1997

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

Permitting
 Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: BARNETT, VADA

Operator Well No.: BARNETT #1

LOCATION: Elevation: 1,310.00 Quadrangle: OXFORD
 District: SOUTHWEST County: DODDRIDGE
 Latitude: 8890 Feet South of 39 Deg. 12 Min. 30 Sec.
 Longitude: 1250 Feet West of 80 Deg. 45 Min. 0 Sec.

Company: MURVIN OIL COMPANY
 1712 S. WHITTLE AVE/ P.O. Bx297
 OLNEY, IL 62450-0297

Agent: P. NATHAN BOWLES, JR.

Inspector: MIKE UNDERWOOD
 Permit Issued: 02/14/96
 Well Work Commenced: 08/07/96
 Well Work Completed: 08/20/96

Verbal Plugging
 Permission granted on: _____
 Rotary X Cable _____ Rig
 Total Depth (feet) _____ 5800'
 Fresh water depths (ft) _____ 177'
 Salt water depths (ft) _____ 1670'

Is coal being mined in area (Y/N)? N

Coal Depths (ft): None Reported

OPEN FLOW DATA

Warren
 Speechley
 Rileys
 Benson
 Producing formation Eik, Alexander Pay zone depth (ft) _____
 Gas: Initial open flow 84 MCF / d Oil: Initial open flow 0 Bbl / d
 Final open flow 2,627 MCF / d Oil: Final open flow show Bbl / d
 Time of open flow between initial and final tests _____ N/A _____ Hours
 Static rock pressure 1500 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: MURVIN OIL COMPANY

APR 28 1997

By: Kevin L. Harlowe

Agent: Geologist

Date: 3/24/97

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"			
8 5/8"	1307.95'	1307.95	350 sks To Surface
4 1/2"	5662.7	5662.7	455 sks
2 3/8"		5375	

Barnett #1 (47-017-04245)
Four Stage Foam Frac - Halliburton

1st Stage:	Elk (3 holes) (5569.75' - 5570.25') Alexander (14 holes) (5395.75' - 5451')	60 Quality Foam, 500 gal, 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 815 bbis foam.
2nd Stage:	Benson (7 holes) (5102' - 5103.5') Third Riley (4 holes) (5016.5' - 5017.25')	60 Quality Foam, 750 gal 15% HCL. 30,000# 20/40 sand, 354,000 SCF N2, 522 bbis foam.
3rd Stage:	Riley (10 holes) (4657.75' - 4684.25')	60 Quality Foam, 750 gal 15% HCL. 5,000# 80/100 sand, 30,000# 20/40 sand, 406,000 SCF N2, 603 bbis foam.
4th Stage:	Speechley (11 holes) (3523.75' - 3613') Warren (5 holes) (3487.5' - 3494.25')	60 Quality Foam, 1,000 gal 15% HCL. 10,000# 80/100 sand, 40,000# 20/40 sand, 473,000 SCF N2, 680 bbis foam.

WELL LOG

Fill	0	5	
Sand	5	32	
Sand & Shale & Red Rock	32	177	½" stream H ² O @ 177'
Sand & Shale	177	339	
Red Rock & Sand & Shale	339	477	
Sand	477	515	
Sand & Shale & Red Rock	515	852	
Sand	852	868	
Sand & Shale & Red Rock	868	1334	
Sand & Shale	1334	2117	1" stream H ² O @ 1670
Little Lime	2117	2140	
Pencil Cave	2140	2144	
Big Lime	2144	2213	
Big Injun	2213	2268	
Shale	2268	2376	
Weir	2376	2506	
Shale	2506	2604	
Berea	2604	2631	
Sand & Shale	2631	2816	
Gordon	2816	2841	
Shale	2841	3475	
Warren	3475	3508	
Shale	3508	3521	
Speechley	3521	3748	
Shale	3748	3774	
Balltown	3774	4526	
Shale & Sand	4526	4634	
Riley	4634	4686	
Shale	4686	5000	
3rd Riley	5000	5032	
Shale	5032	5099	
Benson	5099	5112	
Sand & Shale	5112	5312	
Alexander	5312	5455	
Sand & Shale	5455	5551	
Elk	5551	5581	
Shale	5581	5800	
T.D.	5800		

Gas Checks
 2040' No Show
 2163' No Show
 2225' No Show
 2503' No Show
 3028' 6/10ths 2" w/H²O
 3830' 4/10ths 2" w/H²O
 4517' 10/10ths 2" w/H²O
 TD 6/10ths 2" w/H²O
 Collars 4/10ths 2" w/H²O

STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
WELL WORK PERMIT APPLICATION

1) Well Operator: Murvin Oil Company 34050 7 526
Operator's Well Number: Barnett #1 3) Elevation: 1310

Well type: (a) Oil / or Gas X Issued 02/14/96
(b) If Gas: Production X / Underground Storage / Expired 02/14/98
Deep / Shallow X
439

2) Proposed Target Formation(s): Riley - Benson - Alexander

6) Proposed Total Depth: 5650 feet

7) Approximate fresh water strata depths: ---

8) Approximate salt water depths: ---

9) Approximate coal seam depths: 1455 - 58

10) Does land contain coal seams tributary to active mine? Yes / No X

11) Proposed Well Work: Drill and Complete New Well

12)

RECEIVED
By Division of
Environmental Protection
FEB 13 1996
Permitting
Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS			FOOTAGE INTERVALS		Fill-up (cu. ft.)
	Size	Grade	Weight per ft.	For drilling	Left in well	
Conductor	11 3/4	L.S.	42	40 ¹¹³ 140' ⁴⁰		305816.3
Fresh Water						
Coal						
Intermediate	8 5/8	L.S.	24	1860		138899.22
Production	4 1/2	J/K	10.5	5650		400
Tubing						
Liners						

140 1134
CEMENT

PACKERS : Kind _____
Sizes _____
Depths set _____

For Office of Oil and Gas Use Only
Fee(s) paid: 151 Well Work Permit 151 Reclamation Fund 151 WPCP
Plat 151 WW-9 151 Bond 151 Agent

RECEIVED
WV Division of
Environmental Protection

FEB 13 1996

1) Date: January 12, 1996
2) Operator's well number Barnett #1
3) API Well No: 47 - 017 - 4245
State - County - Permit

Permitting
Office of Oil & Gas
DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served:
- (a) Name Vada Barnett
Address 3613 Noyes Avenue, SE #4
Charleston, WV 25304
- (b) Name _____
Address _____
- (c) Name _____
Address _____
- 5) (a) Coal Operator:
Name None
Address _____
- (b) Coal Owner(s) with Declaration
Name Bruce Barnett Heirs
Address c/o Vada Barnett
2316 Noyes Ave., SE #4, Charleston, WV 25304
Name _____
Address _____
- 6) Inspector Mr. Mike Underwood
Address Route 2, Box 135
Salem, West Virginia 26426
Telephone (304) - _____
- (c) Coal Lessee with Declaration
Name None
Address _____

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR

Included is the information required by Chapter 22B, Article 1, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22B of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through 9 on the above named parties, by:

Personal Service (Affidavit attached)

Certified Mail (Postmarked postal receipt attached)

Publication (Notice of Publication attached)

I have read and understand Chapter 22B and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator Murvin Oil Company
BY: Cary Hill
Its: Executive Vice-President
Address P.O. Box 297
Olney, Illinois 62450

Telephone 618-393-2124

Subscribed and sworn before me this 13th day of January, 1996

Barbara A. Hill Notary Public
My commission expires November 9, 1996