

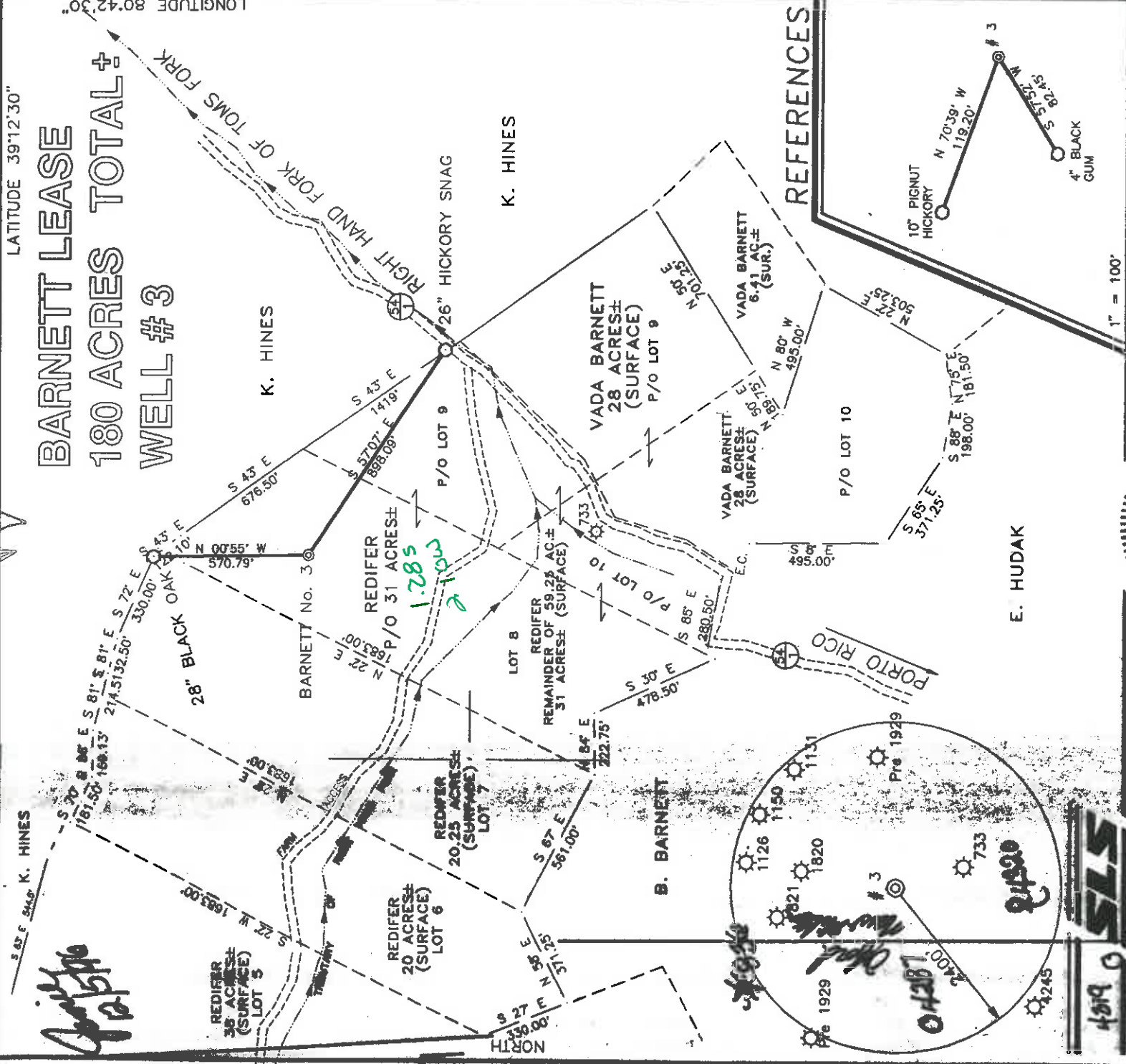
11,170'

LATITUDE 39°12'30"

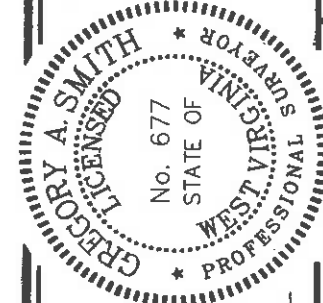
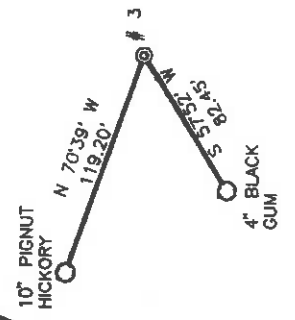
# BARNETT LEASE 180 ACRES TOTAL WELL #3

LONGITUDE 80°42'30"

6.820



## 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.

P.S. Gregory A. Smith  
677

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

DATE NOVEMBER 11, 19 96  
OPERATORS WELL NO. BARNETT # 3  
API WELL NO. \_\_\_\_\_

STATE 47 COUNTY 017 PERMIT 04326

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3350P3 (58-64)  
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1003' SCALE 1" = 500'

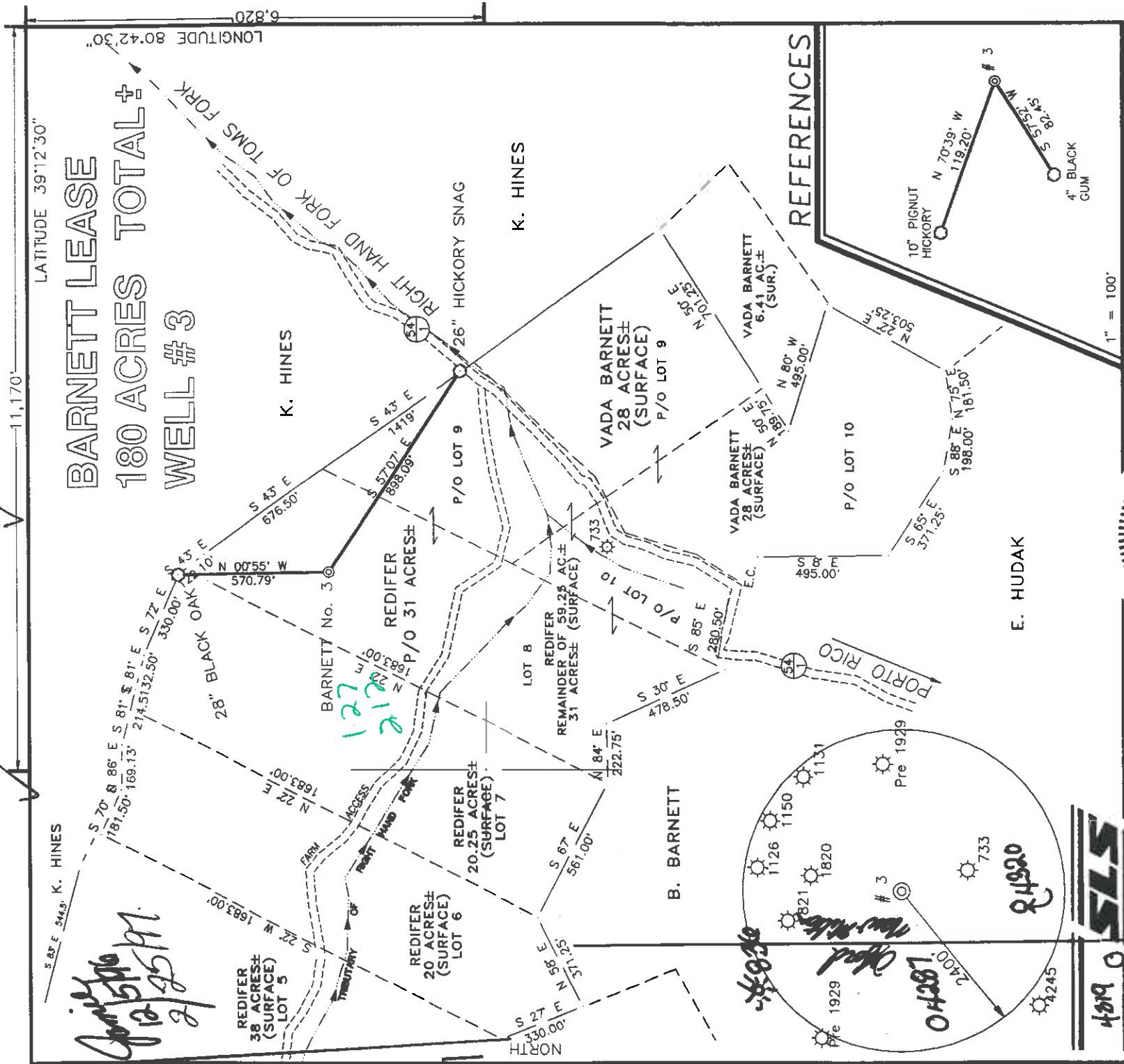
WELL TYPE: OIL \_\_\_\_\_ GAS  INJECTION \_\_\_\_\_ WASTE LIQUID \_\_\_\_\_ DISPOSAL \_\_\_\_\_ "GAS" PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW

LOCATION: ELEVATION 1222' WATERSHED RIGHT HAND FORK OF LITTLE TOMS FORK  
DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE NEW MILTON 7.5'

SURFACE OWNER GREGORY B. REDIFER ACREAGE 31 OF 92  
ROYALTY OWNER VADA BARNETT ET AL. (LOT 8) LEASE ACREAGE 59.25 OF 180

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 DEC 13 1996  
ADDRESS 22 GARTON PLAZA WESTON, WV 26452 ADDRESS 22 GARTON PLAZA WESTON, WV 26452



**BARNETT LEASE**  
**180 ACRES TOTAL**  
**WELL #3**

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.



P.S. Gregory A. Smith  
 677

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

DATE NOVEMBER 11, 19 96  
 OPERATORS WELL NO. BARNETT # 3

API WELL NO. 47-017-04326 F  
 STATE VA COUNTY PERMIT

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL & GAS  
 #10 McJUNKIN ROAD  
 NITRO, WEST VIRGINIA 25143-2506

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3350P3 (58-64)  
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 1003' SCALE 1" = 500'

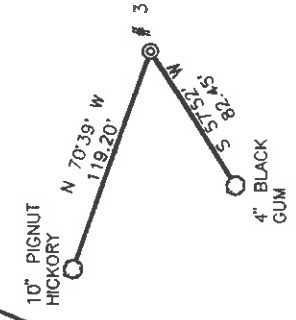
WELL TYPE : OIL  GAS  INJECTION  WASTE DISPOSAL  "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION : ELEVATION 1222' WATERSHED RIGHT HAND FORK OF LITTLE TOMS FORK  
 DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE NEW MILTON 7.5'  
 SURFACE OWNER GREGORY B. REDIFER ACREAGE 31 OF 92  
 ROYALTY OWNER VADA BARNETT ET AL. (LOT 8) LEASE ACREAGE 59.25 OF 180  
 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) New formation TARGET FORMATION Granular Alexander  
Five Existing wells drilled in 1996. Under, Blvd. ESTIMATED DEPTH 550 Spudley

WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JAN CHAPMAN  
 ADDRESS 22 GARTON PLAZA WESTON, WV 26452  
 COUNTY NAME Dodd PERMIT 4326

REFERENCES



E. HUDAK

**ST5**  
**SLS**

LATITUDE 39°12'30"  
 LONGITUDE 80°42'30"



WR-35

23 -Feb - 98  
API # 47 - 17 - 04326 - F

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

Well Operator's Report of Well Work

Farm name: REDIFER, GREGORY R.

Operator Well No.: BARNETT #3

LOCATION: Elevation: 1,222.00

Quadrangle: NEW MILTON

District: NEW MILTON  
Latitude: 6820 Feet South of 39 Deg. 12 Min. 30 Sec.  
Longitude: 11170 Feet West of 80 Deg. 42 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: 03/06/98  
Well Work Commenced: 03/26/98  
Well Work Completed: 03/26/98

Verbal Plugging  
Permission granted on: \_\_\_\_\_ Rig  
Rotary X Cable \_\_\_\_\_ 5580'  
Total Depth ( feet ) \_\_\_\_\_ None  
Fresh water depths ( ft ) \_\_\_\_\_ None  
Salt water depths ( ft ) \_\_\_\_\_ 111', 300'

Is coal being mined in area ( Y / N )? N  
Coal Depths ( ft ): \_\_\_\_\_ None Reported

OPEN FLOW DATA

Producing formation Weir Berea Gordon  
Gas: Initial open flow 0 MCF / d  
Final open flow 133 MCF / d  
Time of open flow between initial and final tests N/A  
Static rock pressure 250 psig ( surface pressure ) after 96 Hours

Second producing formation Commingled  
Gas: Initial open flow \_\_\_\_\_ MCF / d  
Final open flow \_\_\_\_\_ MCF / 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:  PRESIDENT

Date: August 4, 1998

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"	121.7	121.7	70 sks To Surface
8 5/8"	2079.25	2079.25	610 sks To Surface
4 1/2"	5470	5470	460 sks

D000 4326 F

AUG 24 1998



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



Well Operator's Report of Well Work

Farm name: REDIFER, GREGORY R.

Operator Well No.: BARNETT #3 179 4 1997

LOCATION: Elevation: 1,222.00

Quadrangle: NEW MILTON  
Office of Oil & Gas Permitting

District: NEW MILTON County: DODDRIDGE  
Latitude: 6820 Feet South of 39 Deg. 12 Min. 30 Sec.  
Longitude: 11170 Feet West of 80 Deg. 42 Min. 30 Sec.

Company: KEY OIL COMPANY  
22 Garton Plaza  
WESTON, WV 26452-0000

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD  
Permit Issued: 12/13/96  
Well Work Commenced: 12/17/96  
Well Work Completed: 12/31/96  
Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth ( feet ) 5580'  
Fresh water depths ( ft ) None  
Salt water depths ( ft ) 111', 300'

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

OPEN FLOW DATA

Warren  
Speechley  
Rileys  
Benson

Producing formation Alexander  
Gas: Initial open flow 4 MCF / d  
Final open flow 1,540 MCF / d  
Time of open flow between initial and final tests N/A Hours  
Static rock pressure 1550 psig ( surface pressure ) after 96 Hours

3394' - 3444'  
3456' - 3682'  
4568' - 4970'  
5041' - 5054'  
5288' - 5400'

Pay zone depth ( ft )  
Oil: Initial open flow 0 Bbl / d  
Oil: Final open flow show Bbl / d  
Hours

Second producing formation Commingled  
Gas: Initial open flow \_\_\_\_\_ MCF / d  
Final open flow \_\_\_\_\_ MCF / d  
Time of open flow between initial and final tests \_\_\_\_\_ Hours  
Static rock pressure \_\_\_\_\_ psig ( surface pressure ) after \_\_\_\_\_ Hours

Pay zone depth ( ft )  
Oil: Initial open flow \_\_\_\_\_ Bbl / d  
Oil: Final open flow \_\_\_\_\_ Bbl / d  
Hours

NOTE: ON BACK OF THIS FORM PUT THE FOLLOWING: 1). DETAILS OF PERFORMED 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:

PRESIDENT

Date: 4-22-97

Net 30 1997

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"	121.7	121.7	70 sks To Surface
8 5/8"	2079.25	2079.25	610 sks To Surface
4 1/2"	5470	5470	460 sks
2 3/8"		5320	



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

1) Well Operator: KEY OIL COMPANY 25655 0 511  
Operator's Well Number: BARNETT #3 3) Elevation: 1222'

Well type: (a) Oil X / or Gas X /  
(b) If Gas: Production X / Underground Storage     
Deep    / Shallow X /  
*Issued 12/13/96  
Expires 12/13/98*

Proposed Target Formation(s): ALEXANDER 439

6) Proposed Total Depth: 5600 feet

7) Approximate fresh water strata depths: 100'

8) Approximate salt water depths: 1555'

9) Approximate coal seam depths: N/A

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

11) Proposed Well Work: DRILL, STIMULATE, PRODUCE Yoursell

12)   

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT PER FT.	FOOTAGE FOR DRILLING	LEFT IN WELL	FILL-UP (cu. ft.)	CEMENT
Conductor							
Fresh Water	11 3/4	ERW	42	132	132	3800/11.3	
Coal						70 SKS. TO SURFACE	
Intermediate	8 5/8	ERW	23	1725	1725	3800/11.2	
Production	4 1/2	J-55	10.5	5500	5500	465 SKS. TO SURFACE	
Tubing	1.5					450 SKS.	
Liners						3800/11.1	

PACKERS : Kind     
Sizes     
Depths set   

For Office of Oil and Gas Use Only  
Fee(s) paid:    Well Work Permit    Reclamation Fund    RECEIVED  
Plat    WW-9    Bond    WW-2B    (Type)     
Environmental Protection Agency

DEC 02 1996

Permitting  
Office of Oil & Gas





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

017-4326-F

Well Operator: KEY OIL COMPANY 25658  
 Operator's Well Number: BARNETT #3 3) Elevation: 1222'  
 Well type: (a) Oil X / or Gas X / Issued 03/06/1998  
 (b) If Gas: Production X / Underground Storage Expires 03/06/2000  
Deep / Shallow X /  
 Proposed Target Formation(s): ALEXANDER

APPROVED  
 PERMITTING DIVISION  
 FEB 11 1998  
 Office of Oil & Gas

6) Proposed Total Depth: 5600 feet  
 7) Approximate fresh water strata depths: 100'  
 8) Approximate salt water depths: 1555'  
 9) Approximate coal seam depths: N/A

10) Does land contain coal seams tributary to active mine? Yes    / No X /  
 11) Proposed Well Work: DRILL, STIMULATE, PRODUCE

12) Repair existing Well. Squeeze & Stimulate. Packer & Bore.  
CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT PER FT. DRILLING	FOOTAGE INTERVALS	CEMENT
Conductor					
Fresh Water	11 3/4	ERW	42	132	70 SKS. TO SURFACE
Coal					
Intermediate	8 5/8	ERW	23	1725	465 SKS. TO SURFACE
Production	4 1/2	J-55	10.5	5500	450 SKS.
Tubing	1.5				
Liners					

PACKERS : Kind \_\_\_\_\_  
 Sizes \_\_\_\_\_  
 Depths set \_\_\_\_\_

For Office of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPCP  
 Plat  WW-9  WW-2B  Bond \_\_\_\_\_ Agent \_\_\_\_\_  
 (Type)



Date: FEBRUARY 17, 1998

Operator's well number

BARNETT #3

API Well No: 47 - 017 - 4326 - FRAC

State County

Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:  
 (a) Name GREGORY B. REDIFER Name NONE  
 Address RT. 1 BOX 87 Address  
 NEW MILTON, WV 26411
- (b) Coal Owner(s) with Declaration  
 Name  
 Address
- (c) Name  
 Address
- 6) Inspector MIKE UNDERWOOD (c) Coal Lessee with Declaration  
 Address RT. 2 BOX 135 Name  
 SALEM, WV 26426 Address  
 Telephone (304) 782-1043

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

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

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

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

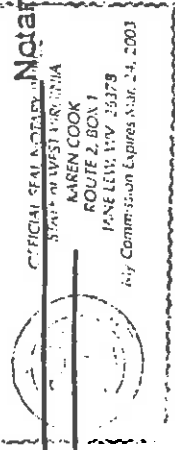
I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.  
I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, 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: KEY OIL COMPANY

By: Maren Cook  
Its: PRESIDENT  
Address: 22 GARTON PLAZA  
WESTON, WV 26452  
Telephone: 304-269-7102

Subscribed and sworn before me this 17th day of FEBRUARY, 1998



My commission expires MARCH 24, 2003

