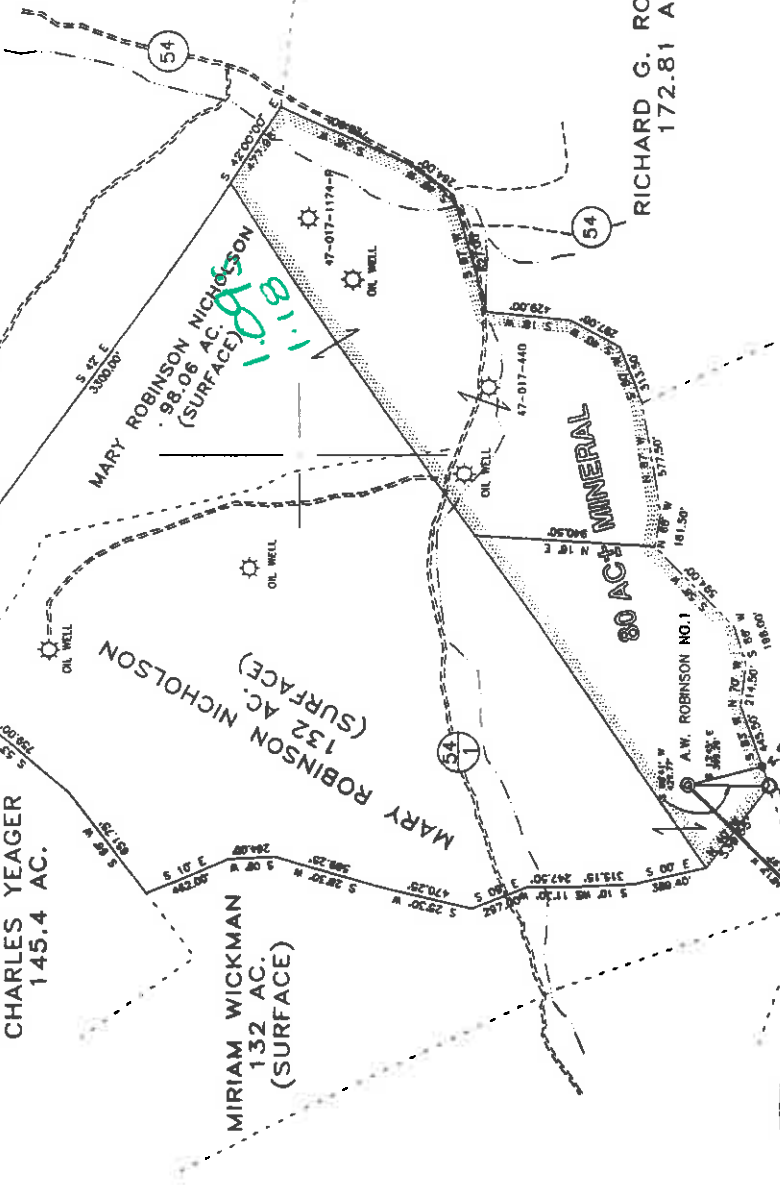


KEY OIL COMPANY A.W. ROBINSO No. 1 80 ACRES ±

CHARLES YEAGER
145.4 AC.

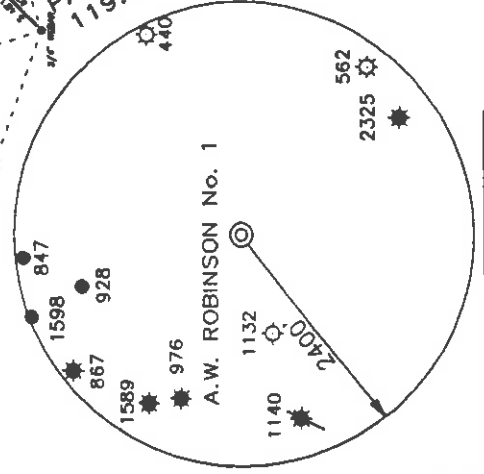
STOKES HEARST ET AL.
156 AC.



REFERENCES

IMOGENE & CHARLES CORNE
140.46 AC.

RICHARD G. ROBINSON
172.81 AC.



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 MAY 2, 19 97
OPERATORS WELL NO. A.W. ROBINSON No. 1
API WELL NO. 47-017-017 COUNTY PERMIT
NO. 04367

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3712P1(60-36)
PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEV. 944' SCALE 1" = 1000'



STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

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

LOCATION : ELEVATION 1162' WATERSHED RIGHT HAND FORK OF LITTLE TOMS FORK
DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE NEW MILTON 7.5'
SURFACE OWNER MARY ROBINSON NICHOLAS ACREAGE 80
ROYALTY OWNER CHARLES NESLER LEASE ACREAGE 80 OF 303
LEASE NO. 0
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 ALEXANDER
ESTIMATED DEPTH 5600' PERMIT MAY 30 1997

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

6-6 134

WR-35

27 - May - 97
API # 47 - 17 - 04367

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

RECEIVED
OFFICE OF OIL AND GAS

Well Operator's Report of Well Work

ACT 22 000

Farm name: PLAUGER, SHIRLEY

Operator Well No.: A.W. ROBINSON #1

LOCATION: Elevation: 1,162.00

Quadrangle: NEW MILTON

District: NEW MILTON

County: DODDRIDGE

Latitude: 5710

Feet South of 39 Deg. 12 Min. 30 Sec.

Longitude: 6180

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: 05/27/97
Well Work Commenced: 06/06/97
Well Work Completed: 06/18/97

Verbal Plugging

Permission granted on: _____

Rotary X Cable _____ Rig

Total Depth (feet) 5525'

Fresh water depths (ft) 80, 404'

Salt water depths (ft) NONE

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

Coal Depths (ft): NONE

OPEN FLOW DATA

- Warren
- Speechley
- Balldown
- Rileys
- Benson
- Alexander

Producing formation Elks

Gas: Initial open flow 60 MCF / d

Final open flow 1,647 MCF / d

Time of open flow between initial and final tests N/A

Static rock pressure 1525 psig (surface pressure) after 96

Second producing formation Commingled

Gas: Initial open flow _____ MCF / d

Final open flow _____ MCF / d

Time of open flow between initial and final tests _____

Static rock pressure _____ psig (surface pressure) after _____

Pay zone depth (ft)

Oil: Initial open flow _____ Bbl / d

Oil: Final open flow _____ Bbl / d

Hours _____

Hours _____

3342' - 3378'

3396' - 3614'

3818' - 4223'

4492' - 4914'

4980' - 4994'

5222' - 5342'

5437' - 5525'

0 Bbl / d

show Bbl / d

Hours

96 Hours

Pay zone depth (ft)

Oil: Initial open flow _____ Bbl / d

Oil: Final open flow _____ Bbl / d

Hours _____

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: 

Date: March 26, 1998

PRESIDENT

MAY 04 1998

DOA. 4367

A.W. Robinson #1 (47-017-04367)
 Five Stage Foam Frac - Halliburton

1st Stage:	Elk (12 holes) (5476.25' to 5492.75')	60 Quality Foam. 500 gal. 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 625 bbis foam.
2nd Stage:	Alexander (9 holes) (5270' to 5288') Upper Elk (3 holes) (5131' to 5131.50')	60 Quality Foam. 750 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 812 bbis foam.
3rd Stage:	Benson (7 holes) (4984' to 4985.50') Third Riley (3 holes) (4892' to 4896.75')	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 617 bbis foam.
4th Stage:	Riley (5 holes) (4539.50' to 4543.75') Balltown (5 holes) (4101.50' to 4112')	60 Quality Foam. 1000 gal 15% HCL. 5,000# 80/100 sand, 35,000# 20/40 sand, 438,000 SCF N2, 648 bbis foam.
5th Stage:	Speechley (8 holes) (3374.50' to 3463.75') Warren (2 holes) (3366.50' to 3366.75')	60 Quality Foam. 750 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 694 bbis foam.

WELL LOG

Fill and clay	0	3	Hole damp @ 80'
Red Rock & Sand & Shale	3	132	
Sand	132	159	
Red Rock & Sand & Shale	159	598	1/2" H2O @ 404'
Sand & Shale	598	664	
Lime	664	675	
Sand & Shale	675	1312	
Sand & Shale & Red Rock	1312	1482	
Sand	1482	1513	
Sand & Shale & Red Rock	1513	1728	
Lime	1728	1735	
Sand	1735	1865	
Sand & Shale & Lime	1865	1987	
Little Lime	1987	2000	
Shale & Sand	2000	2027	
Big Lime	2027	2103	
Big Injun	2103	2164	
Shale	2164	2287	
Weir	2287	2393	
Shale	2393	2496	
Berea	2496	2510	
Shale	2510	2704	
Gordon	2704	2724	
Sand & Shale	2724	3342	
Warren	3342	3378	
Shale	3378	3396	
Speechley	3396	3614	
Shale & Sand	3614	3818	
Balltown	3818	4223	
Shale	4223	4492	
Riley	4492	4570	
Sand & Shale	4570	4876	
Third Riley	4876	4914	
Shale	4914	4980	
Benson	4980	4994	
Sand & Shale	4994	5108	
Upper Elk	5108	5136	
Shale	5136	5222	
Alexander	5222	5342	
Shale	5342	5437	
Lower Elk	5437	5525	
Shale	5525	5525	
T.D.	5525		

GAS CHECKS

1853' - No Show
 2504' - No Show
 3060' - 6/10ths - 1/2" w/ H2O
 3706' - 6/10ths - 1/2" w/ H2O
 4415' - 8/10ths - 1/2" w/ H2O
 4846' - 14/10ths - 1/2" w/ H2O
 5126' - 2/10ths - 2" w/ H2O
 TD - 4/10ths - 2" w/ H2O
 Collars - 2/10ths - 2" w/ H2O

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

1) Well Operator: 475 WEST @ 511 KEY OIL COMPANY

2) Operator's Well Number: A. W. ROBINSON #1 3) Elevation: 1162'

Well type: (a) Oil X / or Gas X / Issued: 05/27/97
 Expires: 05/27/99

(b) If Gas: Production X / Underground Storage /
Deep / Shallow X /

Proposed Target Formation(s): ALEXANDER 42^a

Proposed Total Depth: 5600 feet

Approximate fresh water strata depths: 100'

8) Approximate salt water depths: 561'

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)

RECEIVED
 WV Division of
 Environmental Protection
 MAY 1 1997
 Permitting
 SECTION

CASING AND TUBING PROGRAM

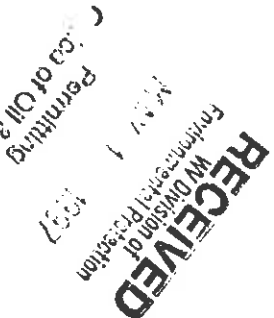
<u>TYPE</u>	<u>SPECIFICATIONS</u>	<u>FOOTAGE INTERVALS</u>	<u>CEMENT</u>
	<u>Size</u> <u>Grade</u>	<u>Weight</u> <u>For</u> <u>Left in</u> <u>Fill-up</u> <u>per ft. drilling</u> <u>well</u> <u>(cu. ft.)</u>	
<u>Conductor</u>			
<u>Fresh Water</u>	11 3/4 ERW	42 132	70 SKS. TO SURFACE
<u>Coal</u>			
<u>Intermediate</u>	8 5/8 ERW	23 2030	495 SKS. TO SURFACE
<u>Production</u>	4 1/2 J-55	10.5 5500	490 SKS.
<u>Tubing</u>	1.5		
<u>Liners</u>			

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)

23598

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



1) Date: MAY 12, 1997
2) Operator's well number
A. W. ROBINSON #1
3) API Well No: 47 - 017 - 4367
State County Permit

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator: NONE
- (a) Name SHIRLEY PLAUGER
Address RT. 1 BOX 49A
NEW MILTON, WV 26411
- (b) Name _____
Address _____
- (c) Name _____
Address _____
- (b) Coal Owner(s) with Declaration
Name _____
Address _____
- (c) Name _____
Address _____
- 6) Inspector MIKE UNDERWOOD
Address RT. 2 BOX 135
SALEM, WV 26426
Telephone (304) - /82-1043
- (c) Coal Lessee with Declaration
Name _____
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 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

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: *[Signature]*
 Its: PRESIDENT
 Address 22 GARTON PLAZA
 WESTON, WV 26452

Subscribed and sworn before me this 12TH day of MAY

My commission expires MARCH 24, 2003

