

KERMIT & HELEN HINES 59.1 AC.

CHARLES CLEVENGER 58.2 AC.

# KEY OIL COMPANY P. ROBINSON NO. 1 130.36 ACRES ±

FRED & MARY COLEMAN 80.63 AC.

FRED & MARY COLEMAN 2009 7.5 AC.

DAVID COPLIN PAULINE COPLIN 136.31 AC.

PAUL G. COPLIN 119.73 AC.

1.265  
1.565

IMOGENE & CHARLES CORNE 207 AC. DEED 140.46 AC. ASSESSED

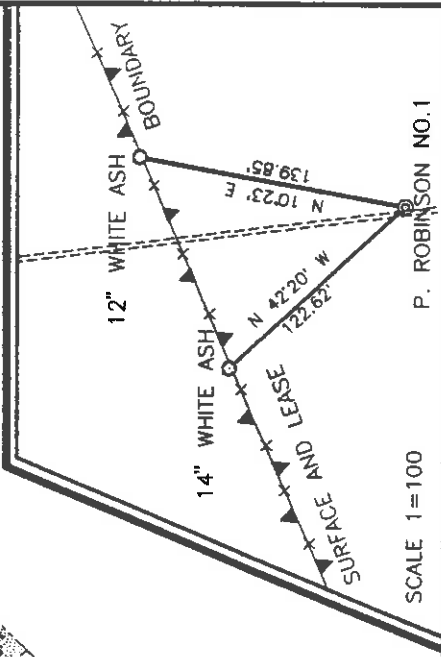
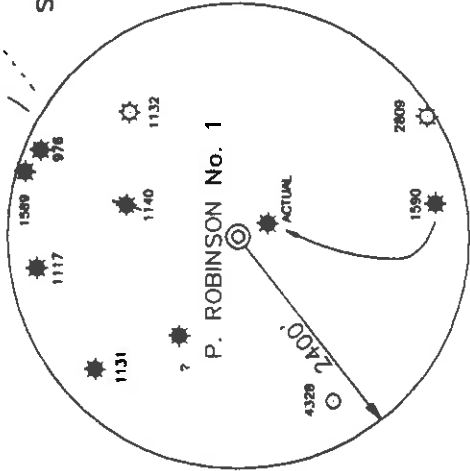
CECIL COX 156.5 AC.

STANTON BROWN 84.82 AC.

B. NOVAK & RUBLE 148.05 AC.

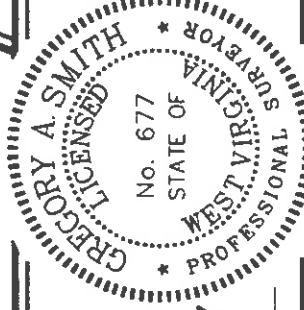
## REFERENCES

PHYLLIS HINTERER 208.7 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. P. ROBINSON No. 1  
API WELL NO. 47-017-017-04371  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3710PI(60-32)  
PROVEN SOURCE SCALE 1" = 1000'  
JUNCTION OF ROADS ELEV. 944'



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 1138' IF "GAS" PRODUCTION  WATERSHED LITTLE TOMS FORK  
DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE NEW MILTON 7.5'  
SURFACE OWNER STANTON BROWN II ACREAGE 130.36  
ROYALTY OWNER PAUL R. ROBINSON ET AL. LEASE ACREAGE 130.36  
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'

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

ADDRESS 22 GARTON PLAZA, WESTON, WV, 26452

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

Well Operator's Report of Well Work

Farm name: BROWN, STANTON B.

Operator Well No.: P. ROBINSON #1

LOCATION: Elevation: 1,1380.00

Quadrangle: NEW MILTON, WV Division of Environmental Protection

District: NEW MILTON

Latitude: 6750 Feet South of 39 Deg. 12 Min. 30 Sec.  
Longitude: 8210 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: 05/29/97  
Well Work Commenced: 06/12/97  
Well Work Completed: 06/25/97

Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth ( feet ) 5600'  
Fresh water depths ( ft ) 50, 587'  
Salt water depths ( ft ) NONE

Is coal being mined in area ( Y / N ) ? N  
Coal Depths ( ft ) : 151' (3), 1572' (6)

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	121.60'	121.60'	70 sks To Surface
8 5/8"	199.75'	199.75"	580 sks To Surface
4 1/2"	5635'	5635'	510 sks
2 3/8"		5452'	

OPEN FLOW DATA

Warren  
Speechley  
Rileys  
Benson  
Alexander  
Eik

Producing formation \_\_\_\_\_  
Gas: Initial open flow 10 MCF / d  
Final open flow 1,586 MCF / d  
Time of open flow between initial and final tests \_\_\_\_\_ N/A \_\_\_\_\_ Hours  
Static rock pressure 1560 psig ( surface pressure ) after 96 \_\_\_\_\_ Hours

Pay zone depth ( ft ) 5464' - 5596'  
Oil: Initial open flow 0 Bbl / d  
Oil: Final open flow show \_\_\_\_\_ Bbl / d

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: 

Date: March 2, 1998

PRESIDENT

DODD 4371

MAY 24 1998

P. Robinson #1 (47-017-04371)  
Five Stage Foam Frac - Halliburton

1 <sup>st</sup> Stage:	Elk ( 11 holes ) ( 5472' to 5614' )	60 Quality Foam. 500 gal. 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 627 bbbls foam.
2 <sup>nd</sup> Stage:	Alexander ( 14 holes ) ( 5279.50' to 5362' )	60 Quality Foam. 750 gal. 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 623 bbbls foam.
3 <sup>rd</sup> Stage:	Benson ( 8 holes ) ( 5011' to 5012.75' ) Third Riley ( 2 holes ) ( 4920.75' to 4921' )	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 617 bbbls foam.
4 <sup>th</sup> Stage:	Riley ( 10 holes ) ( 4557.75' to 4568.50' )	60 Quality Foam. 1000 gal 15% HCL. 5,000# 80/100 sand, 35,000# 20/40 sand, 438,000 SCF N2, 648 bbbls foam.
5 <sup>th</sup> Stage:	Speechley ( 11 holes ) ( 3427.75' to 3534.50' ) Warren ( 2 holes ) ( 3386.75' to 3387' )	60 Quality Foam. 750 gal 15% HCL. 5,000# 80/100 sand, 55,000# 20/40 sand, 515,000 SCF N2, 779 bbbls foam.

WELL LOG

Fill and clay	0	13	
Red Rock & Sand & Shale	13	151	Hole damp @ 50'
Coal	151	154	
Red Rock & Sand & Shale	154	589	
Sand	589	650	
Sand & Shale	650	943	
Sand & Shale & Lime	943	973	
Sand & Shale	973	1572	
Coal	1572	1578	
Sand & Shale	1578	1728	
Sand	1728	1811	
Sand & Shale	1811	2003	
Little Lime	2003	2016	
Shell	2016	2030	
Big Lime	2030	2096	
Big Injun	2096	2188	
Shale	2188	2304	
Weir	2304	2404	Hole damp @ 589'
Shale	2404	2508	
Berea	2508	2524	
Shale	2524	2718	
Gordon	2718	2741	
Sand & Shale	2741	3360	
Warren	3360	3404	
Shale	3404	3418	
Speechley	3418	3638	
Shale & Sand	3638	4526	
Riley	4526	4592	
Sand & Shale	4592	4904	
Third Riley	4904	4936	
Shale	4936	5007	
Benson	5007	5015	
Sand & Shale	5015	5253	
Alexander	5253	5376	
Sand & Shale	5376	5464	
Elk	5464	5596	
Shale	5596	5600	
T.D.	5600		

GAS CHECKS

2532' - No Show  
3029' - No Show  
3738' - 4/10<sup>ths</sup> - 1/2" w/ H<sup>2</sup>O  
4421' - 4/10<sup>ths</sup> - 1/2" w/ H<sup>2</sup>O  
5101' - 4/10<sup>ths</sup> - 1" w/ H<sup>2</sup>O  
TD - 2/10<sup>ths</sup> - 1" w/ H<sup>2</sup>O  
Collars - 2/10<sup>ths</sup> - 1/2" w/ H<sup>2</sup>O

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

617 4371

67505658

Q 511

- 1) Well Operator: KEY OIL COMPANY
- 2) Operator's Well Number: PAUL ROBINSON #1 3) Elevation: 1138'
- Well type: (a) Oil X / or Gas X / *Issued 05/29/97*
- (b) If Gas: Production X / Underground Storage / *Expires 05/29/99*  
 Deep     / Shallow X /

Proposed Target Formation(s): ALEXANDER

Proposed Total Depth: 5600 feet

Approximate fresh water strata depths: 100'

8) Approximate salt water depths: 537'

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  
 Permitting  
 Office of Oil & Gas  
 MAY 29 1997

CASING AND TUBING PROGRAM

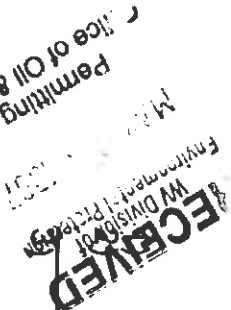
TYPE	SPECIFICATIONS	FOOTAGE INTERVALS	CEMENT		
	Size	Grade	Weight per ft. drilling	Left in well	Fill-up (cu. ft.)
Conductor					
Fresh Water	11 3/4	ERW	42	132	70 SKS. TO SURFACE
Coal					
Intermediate	8 5/8	ERW	23	2010	545 SKS. TO SURFACE
Production	4 1/2	J-55	10.5		
Tubing	1.5			5475	460 SKS.
Liners					

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

For Office of Oil and Gas Use Only

Fee(s) paid:  Well Work Permit  Reclamation Fund  WPC2

Plat  WW-9  WW-2B  Bond \_\_\_\_\_ (Type)



Date: MAY 12, 1997  
Operator's well number  
PAUL ROBINSON #1  
API Well No: 47 - 017 - 4371  
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 STANTON B. BROWN Name NONE  
Address RT. 1 BOX 47A Address \_\_\_\_\_  
NEW MILTON, WV 26411

(b) Name \_\_\_\_\_ (b) Coal Owner(s) with Declaration  
Address \_\_\_\_\_ Name \_\_\_\_\_  
Address \_\_\_\_\_

(c) Name \_\_\_\_\_ Name \_\_\_\_\_  
Address \_\_\_\_\_ Address \_\_\_\_\_

6) Inspector MIKE UNDERWOOD (c) Coal Lessee with Declaration

Address RT. 2 BOX 135 Name \_\_\_\_\_  
SALEM, WV 26426 Address \_\_\_\_\_  
Telephone (304) - \_\_\_\_\_

**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]  
I.S. PRESIDENT  
Address 22 GARTON PLAZA  
WESTON, WV 26452

Telephone 304-269-7102  
Subscribed and sworn before me this MAY 1 day of \_\_\_\_\_, 1997

My commission expires MARCH 24, 2003

