

# KING LEASE 30 ACRES WELL #1

R.L. MOSSOR  
ET. AL.  
38.25 AC.±

WESTVACO  
73.92 AC.±

R.L. BRITTON  
42.03 AC.±

E.L. ADAMS  
83 AC.±

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83 AC.±

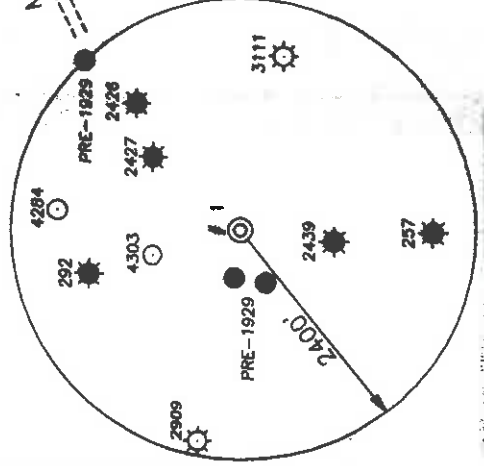
R.L. BRITTON  
11.5 AC.±

POLING  
14.569 AC.±  
(SURFACE)

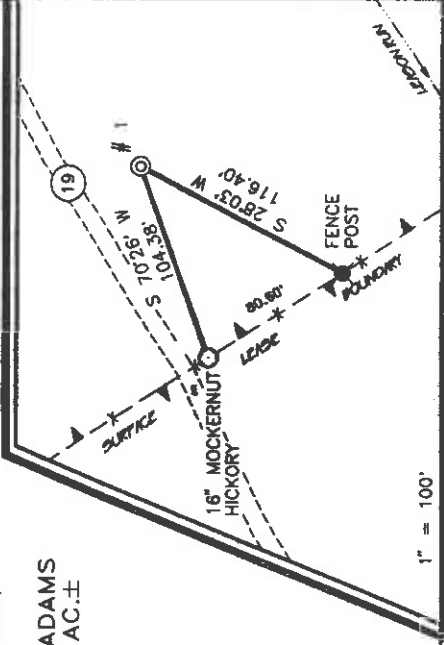
POLING  
14.571 AC.±  
(SURFACE)

3/4" REBAR  
(FOUND)

3/4" REBAR  
(FOUND)



## 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. 677 *Gregory A. Smith*



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

DATE OCTOBER 9, 1996

OPERATORS WELL NO. KING # 1

API WELL NO. 47-017-04315

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3603P1 (58-47)  
PROVEN SOURCE SCALE 1" = 400'  
OF ELEVATION BENCH MARK ELEVATION 854'

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY  
OIL AND GAS DIVISION



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

LOCATION : ELEVATION 838' WATERSHED LEASON RUN

DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE PULLMAN 7.5'

SURFACE OWNER JAMES W. & BESSIE A. POLING ACREAGE 14.571

ROYALTY OWNER MELANIE KING LEASE ACREAGE 21 of 30 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 \_\_\_\_\_

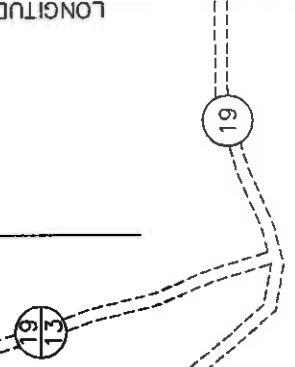
PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5600'

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

PERMIT 6-6 89 ADDRESS 22 GARTON PLAZA WESTON, WV 26452

LATITUDE 39°15'00" LONGITUDE 80°52'30"

2,530' 0.4665



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

Well Operator's Report of Well Work

Farm name: POLING, CHARLES

Operator Well No. : KING #1

LOCATION: Elevation: 838.00

Quadrangle: PULLMAN

District: CENTRAL County: DODDRIDGE  
Latitude: 1900 Feet South of 39 Deg. 15 Min. 0 Sec.  
Longitude: 2530 Feet West of 80 Deg. 52 Min. 30 Sec.

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD  
Permit Issued: 10/17/96  
Well Work Commenced: 10/21/96  
Well Work Completed: 10/31/96

Verbal Plugging  
Permission granted on: \_\_\_\_\_  
Rotary X Cable \_\_\_\_\_ Rig  
Total Depth (feet) \_\_\_\_\_ 5378'  
Fresh water depths (ft) \_\_\_\_\_ 80', 106'  
Salt water depths (ft) \_\_\_\_\_ 958'

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

OPEN FLOW DATA

Balltown  
Riley  
Benson

Producing formation \_\_\_\_\_ Alexander \_\_\_\_\_  
Gas: Initial open flow 146 MCF / d Pay zone depth (ft) 3610' - 4303'  
Final open flow 1,571 MCF / d Oil: Initial open flow 0 Bbl / d 4332' - 4738'  
Time of open flow between initial and final tests \_\_\_\_\_ N/A Oil: Final open flow show Bbl / d 4768' - 4778'  
Static rock pressure 1700 psig ( surface pressure ) after 96 Hours 5011' - 5086'

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: 

President

Date: JANUARY 22, 1997

FEB 14 1997

Casing & Tubing Size	Used In Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"			
8 5/8"	831.6'	831.6'	230 sks
4 1/2"	5141'	5141'	To surface 425 sks
2 3/8"		5007'	

King #1 (47-017-04315)  
Four Stage Foam Frac - Halliburton

1st Stage:	Alexander (11 holes) (5027.25' - 5078.75')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 807 bbis foam.
2nd Stage:	Benson ( 8 holes ) (4772.25' - 4774) Third Riley (2 holes ) ( 4674' - 4674.25)	60 Quality Foam. 750 gal 15% HCL. 35,000# 20/40 sand, 394,000 SCF N2, 564 bbis foam.
3rd Stage:	Riley (7 holes ) (4366.5' - 4382.5') Balltown (4 holes ) ( 4270' - 4277.25)	60 Quality Foam. 750 gal 15% HCL. 10,000# 80/100 sand, 30,000# 20/40 sand, 508,000 SCF N2, 548 bbis foam.
4th Stage:	Balltown ( 10 holes ) ( 3621.75' - 3867')	60 Quality Foam, 750 gal 15% HCL. 5,000# 80/100 sand, 35,000# 20/40 sand, 390,000 SCF N2, 589 bbis foam.

WELL LOG

Clay & Fill	0	50	
Sand & Red Rock	50	184	Damp @ 80'
Sand	164	184	Wet @ 106'
Sand & Shale & Red Rock	184	217	
Sand	217	254	
Sand & Shale & Red Rock	254	353	
Lime	353	380	
Sand & Shale & Red Rock	380	556	
Lime	556	586	
Sand & Shale & Red Rock	586	877	
Sand	877	920	
Sand & Shale	920	1765	
Maxon	1765	1777	
Little Lime	1777	1797	
Sand & Shale	1797	1816	
Big Lime	1816	1862	
Big Injun	1862	1950	
Shale	1950	2128	
Weir	2128	2255	
Shale	2255	2314	
Berea	2314	2320	
Shale	2320	3193	
Warren	3193	3270	
Shale & Silt	3270	3644	
Balltown	3644	4303	
Shale	4303	4332	
Riley	4332	4406	
Shale	4406	4599	
2nd Riley	4599	4632	
Shale	4632	4688	
3rd Riley	4688	4738	
Shale	4738	4768	
Benson	4768	4778	
Silt & Shale	4778	5011	
Alexander	5011	5086	
Silt & Shale	5086	5378	
T.D.	5378		

Gas Checks

1711	NO SHOW
2534	4/10 1/4" H <sup>2</sup> O
3017	NO SHOW
3537	NO SHOW
3962	NO SHOW
4877	NO SHOW
5010	4/10 - 2" H <sup>2</sup> O
TD	12/10 - 2" H <sup>2</sup> O

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

1) Well Operator: KEY OIL COMPANY 475 25655 ① 562 017 4315

2) Operator's Well Number: KING #1 3) Elevation: 838'

Well type: (a) Oil X / or Gas X / Issued 10/17/96  
 (b) If Gas: Production X / Undergound Storage / Expires 10/17/98  
 Deep    / Shallow X /

22734

**RECEIVED**  
 WV Division of  
 Environmental Protection  
 OCT 17 1996

Proposed Target Formation(s): ALEXANDER<sup>439</sup>

Proposed Total Depth: 5600'    feet

Approximate fresh water strata depths: 80'

8) Approximate salt water depths: -0- Permitting  
 Office of Oil & Gas

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)

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT per ft.	FOR drilling	FOOTAGE INTERVALS	CEMENT
Conductor	11 3/4	ERW	42	40	0	
Fresh Water	8 5/8	ERW	23	838	838	230 SKS. TO SURFACE
Coal						
Intermediate						
Production	4 1/2	J-55	10.5			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)

110/30

**RECEIVED**  
Division of  
Environmental Protection

OCT 17 1996

Permitting  
Office of Oil & Gas

1) Date: 10/09/96  
2) Operator's well number  
King #1  
3) API Well No: 47 - 017 - 4315  
State - County - Permit

STATE OF WEST VIRGINIA  
DEPARTMENT OF ENERGY, DIVISION OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

4) Surface Owner(s) to be served:

(a) Name Charles Poling  
Address Rt.1 Box 46  
Greenwood, WV 26360

(b) Name \_\_\_\_\_  
Address \_\_\_\_\_

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

5) (a) Coal Operator:  
Name None  
Address \_\_\_\_\_

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

(c) Coal Lessee with Declaration  
Name \_\_\_\_\_  
Address \_\_\_\_\_

6) Inspector Mike Underwood  
Address Route 2, Box 135  
Salem, WV 26426  
Telephone (304)-782-1043

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 XX 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 7 on the above named parties, by:

XX Personal Service (Affidavit attached)  
XX 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.

Weld Operator Key Oil Company  
By: Steve Williams  
Its: President  
Address 22 Garton Plaza  
Weston, WV 26452  
Telephone 304-269-7102

Subscribed and sworn before me this 11th day of October, 1996

My commission expires March 24, 2003

Raven Cook  
Public

