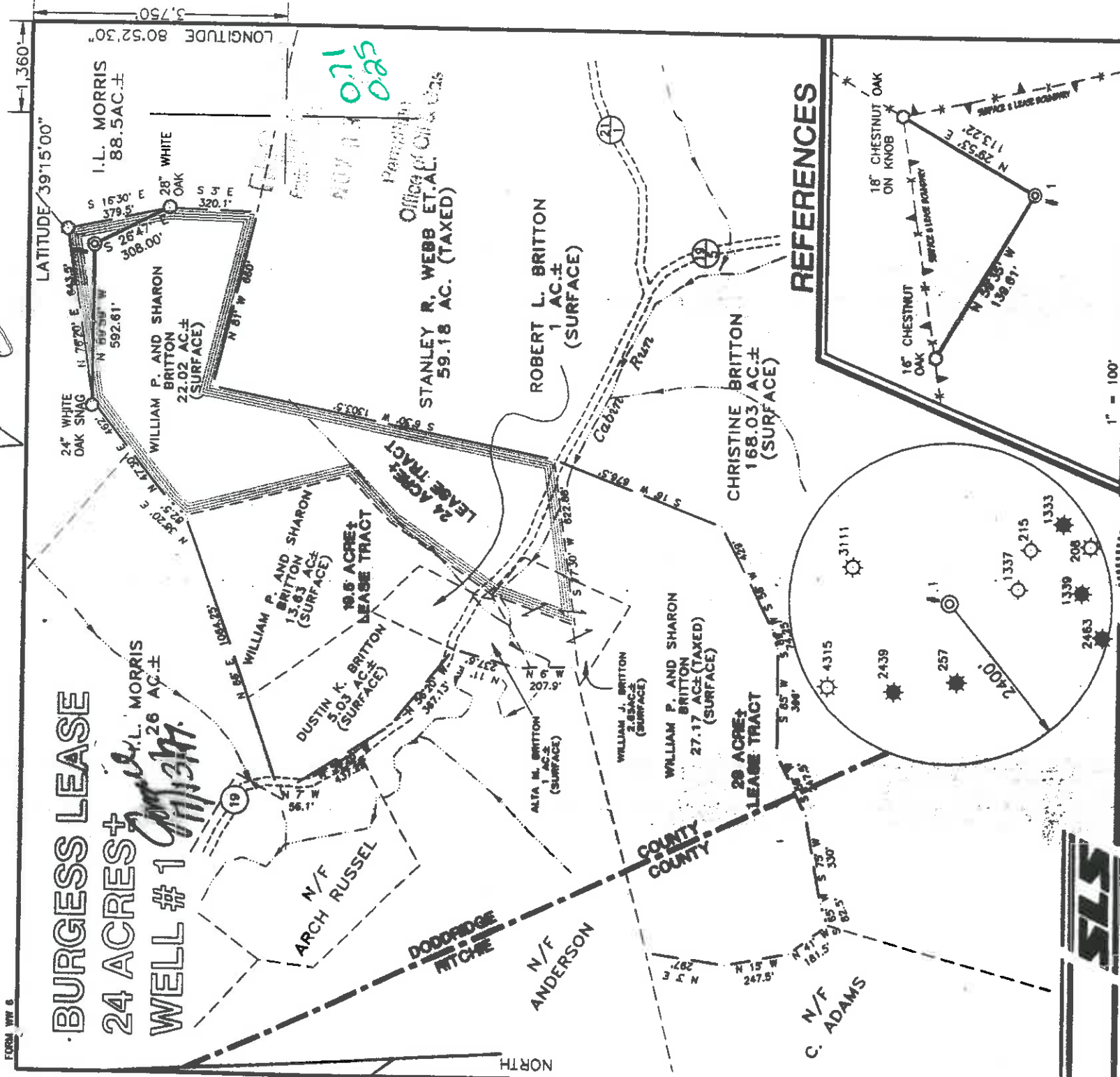


BURGESS LEASE 24 ACRES+ WELL #1

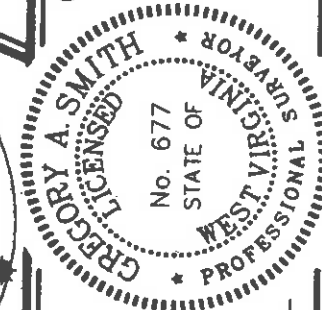
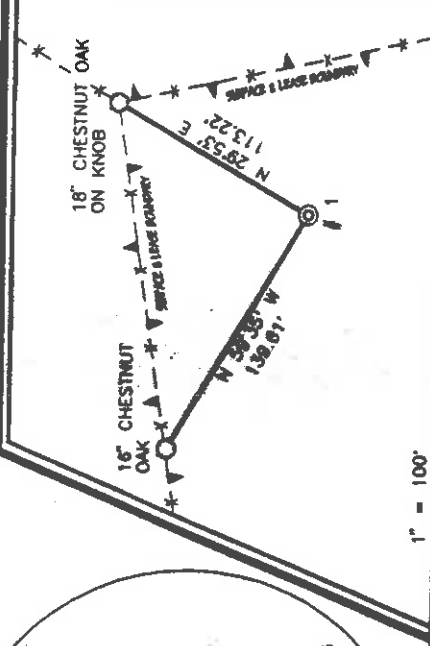
I.L. MORRIS
26 AC.±

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



0.71
0.85

REFERENCES



I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED BY LAW AND BY THE DEPARTMENT OF ENERGY.

P.S. *Gregory A. Smith*
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE OCTOBER 14, 19 97
OPERATORS WELL NO. BURGESS # 1
API WELL NO. 47-017-0442

STATE WV COUNTY PUTNAM PERMIT 47-017-0442

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3814P1 (60-60)
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1191' SCALE 1" = 500'



WELL TYPE : OIL GAS INJECTION WASTE DISPOSAL "GAS" PRODUCTION STORAGE DEEP SHALLOW
LOCATION : ELEVATION 1127' WATERSHED CABIN RUN

DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE PULLMAN 7.5
SURFACE OWNER WILLIAM PAUL AND SHARON D. BRITTON ACREAGE 22.02
ROYALTY OWNER HAROLD R. BURGESS LEASE ACREAGE 24 OF 72.5 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 ADDRESS 22 GARTON PLAZA, WESTON, WV 26452

6-6 89

WR-35

12 - Nov - 97
API # 47 - 17 - 04412

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

Well Operator's Report of Well Work

Farm name: BRITTON, WILLIAM P.

Operator Well No. : BURGESS #1

LOCATION: Elevation: 1,127.00

Quadrangle: PULLMAN

District: CENTRAL
Latitude: 3750 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude: 1360 Feet West of 80 Deg. 52 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: 11/12/97
Well Work Commenced: 12/20/97
Well Work Completed: 01/06/98

Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 5471'
Fresh water depths (ft) 80', 200'
Salt water depths (ft) NONE

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

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"	126.30'	126.30'	70 sks To Surface
8 5/8"	1979.75'	1979.75'	575 sks To Surface
4 1/2"	5482'	5482'	370 sks
2 3/8"		5306'	

OPEN FLOW DATA

Baiftown
Rileys
Benson
Elk

Producing formation Alexander
 Gas: Initial open flow 84 MCF / d Pay zone depth (ft) 3900' - 4606'
 Final open flow 1,524 MCF / d Oil: Initial open flow 0 Bbl / d 4638' - 5034'
 Time of open flow between initial and final tests N/A Oil: Final open flow show Bbl / d 5061' - 5072'
 Static rock pressure 1800 psig (surface pressure) after 96 Hours 5258' - 5270'
 5305' - 5393'

Second producing formation Commingled
 Gas: Initial open flow MCF / d Pay zone depth (ft) _____ Bbl / d
 Final open flow MCF / d Oil: Initial 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: April 1, 1998

MAY 14 1998

DAVID FINE

Burgess #1 (47-017-04412)
 Four Stage Foam Frac - Halliburton

1st Stage: Alexander (11 holes) (5326' to 5380.25') 60 Quality Foam. 500 gal. 15% HCL.
 Elk (3 holes) (5266.75' to 5267.25') 60,000# 20/40 sand, 550,000 SCF N2,
 814 bbls foam.

2nd Stage: Benson (6 holes) (5067.75' to 5068') 60 Quality Foam. 750 gal. 15% HCL.
 Third Riley (6 holes) (4993.50' to 4994.75') 40,000# 20/40 sand, 417,000 SCF N2,
 618 bbls foam.

3rd Stage: Riley (12 holes) (4675.75' to 4694.25') 60 Quality Foam. 750 gal 15% HCL.
 5,000# 80/100 sand, 45,000# 20/40 sand,
 502,000 SCF N2, 745 bbls foam.

4th Stage: Balltown (14 holes) (3906' to 4133.75') 60 Quality Foam. 1,000 gal 15% HCL.
 5,000# 80/100 sand, 45,000# 20/40 sand,
 502,000 SCF N2, 684 bbls foam.

WELL LOG

Fill	0	3	
Sand	3	26	
Red Rock	26	38	
Sand & Shale & Red Rock	38	134	1/2" H ² O @ 80'
Sand & Shale	134	315	Hole damp @ 200'
Sand & Shale & Red Rock	315	588	
Sand	588	680	
Sand & Shale & Red Rock	680	1196	
Sand	1196	1222	
Sand & Shale & Red Rock	1222	1327	
Sand	1327	1408	
Sand & Shale	1408	2061	
Little Lime	2061	2089	
Shale & Sand	2089	2122	
Big Lime	2122	2200	
Big Injun	2200	2226	
Shale	2226	2242	
Pocono	2242	2258	
Shale	2258	2427	2071' - No Show
Weir	2427	2555	2503' - 10/10 ^{ths} -2" w/H ² O
Shale	2555	3483	2998' - 4/10 ^{ths} -2" w/H ² O
Warren	3483	3560	3708' - 6/10 ^{ths} -2" w/H ² O
Shale	3560	3900	4538' - 2/10 ^{ths} -2" w/H ² O
Balltown	3900	4606	4912' - 2/10 ^{ths} -2" w/H ² O
Shale	4606	4638	5222' - 2/10 ^{ths} -2" w/H ² O
Riley	4638	4717	TD - 4/10 ^{ths} -2" w/H ² O
Sand & Shale	4717	4985	
Third Riley	4985	5034	
Shale	5034	5061	
Benson	5061	5072	
Sand & Shale	5072	5258	
Upper Elk	5258	5270	
Shale	5270	5305	
Alexander	5305	5393	
Shale	5393	5532	
T.D.	5532		

GAS CHECKS

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

1) Well Operator: KEY OIL COMPANY 25650 (17 562
2) Operator's Well Number: BURGESS #1 3) Elevation: 1127'

4) Well type: (a) Oil X / or Gas X / Issued 11/12/97
(b) If Gas: Production X / Underground Storage / Expires 11/12/99
Deep / Shallow X /

24568

Proposed Target Formation(s): ALEXANDER

Proposed Total Depth: 5600 feet

Approximate fresh water strata depths: 80'

Approximate salt water depths: 1817'

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.	FOOTAGE FOR DRILLING	LEFT IN WELL	FILL-UP (cu. ft.)
Conductor						
Fresh Water	11 3/4	ERW	42	132	132	38 CSPP 11/3
Coal						70 SKS. TO SURFACE
Intermediate	8 5/8	ERW	23	1945	1945	3 CSPP 11/2
Production	4 1/2	J-55	10.5	5500	5500	525 SKS. TO SURFACE
Tubing	1.5					490 SKS.
Liners						38 CSPP 11/1

PACKERS : Kind
Sizes
Depths set

For Office of Oil and Gas Use Only

02/27/97 Fee(s) paid: Well Work Permit Reclamation Fund WPC2

Plat WW-9 WW-2B Bond (Type) Agent

1) Date: OCTOBER 28, 1997
2) Operator's well number BURGESS #1
3) API Well No: 47-017-4412
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

RECEIVED
Environmental Protection
NOV 03 1997
Permitting
Office of Oil & Gas

4) Surface Owner(s) to be served: 5) (a) Coal Operator:

(a) Name WILLIAM P. BRITTON
Address RT. 1 BOX 205
WEST UNION, WV 26456

(b) Name _____ (b) Coal Owner(s) with Declaration
Address _____ Name _____
Address _____

(c) Name _____ Name _____
Address _____ Address _____

6) Inspector MIKE UNDERWOOD

Address RT. 2 BOX 135
SALEM, WV 26426
Telephone (304)-782-1043
(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.

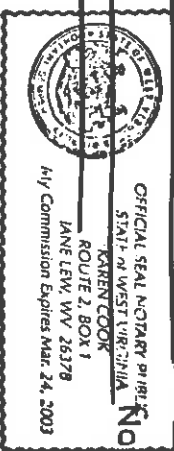
Well Operator KEY OIL COMPANY

By: [Signature]
Its: PRESIDENT
Address 22 GARDIN PLAZA

WESTON, WV 26452
Telephone 304-269-7102

Subscribed and sworn before me this 28TH day of OCTOBER 1997

My commission expires MARCH 24, 2003



Notary Public