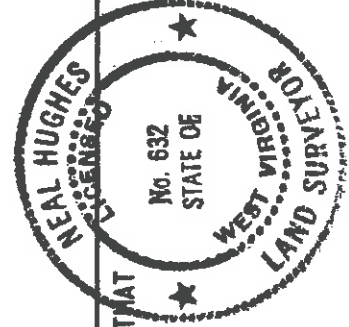
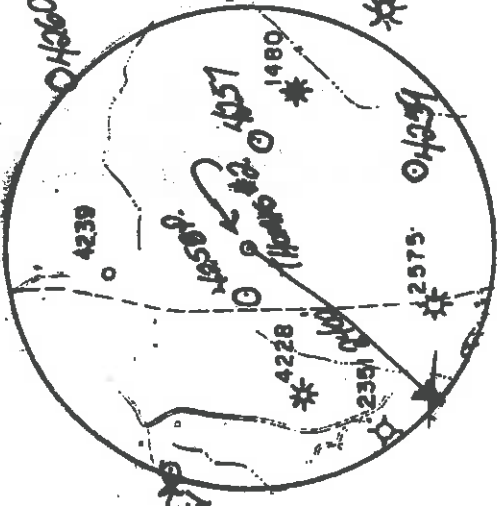
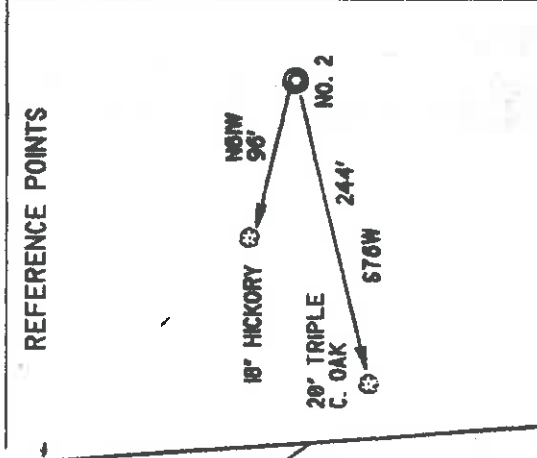
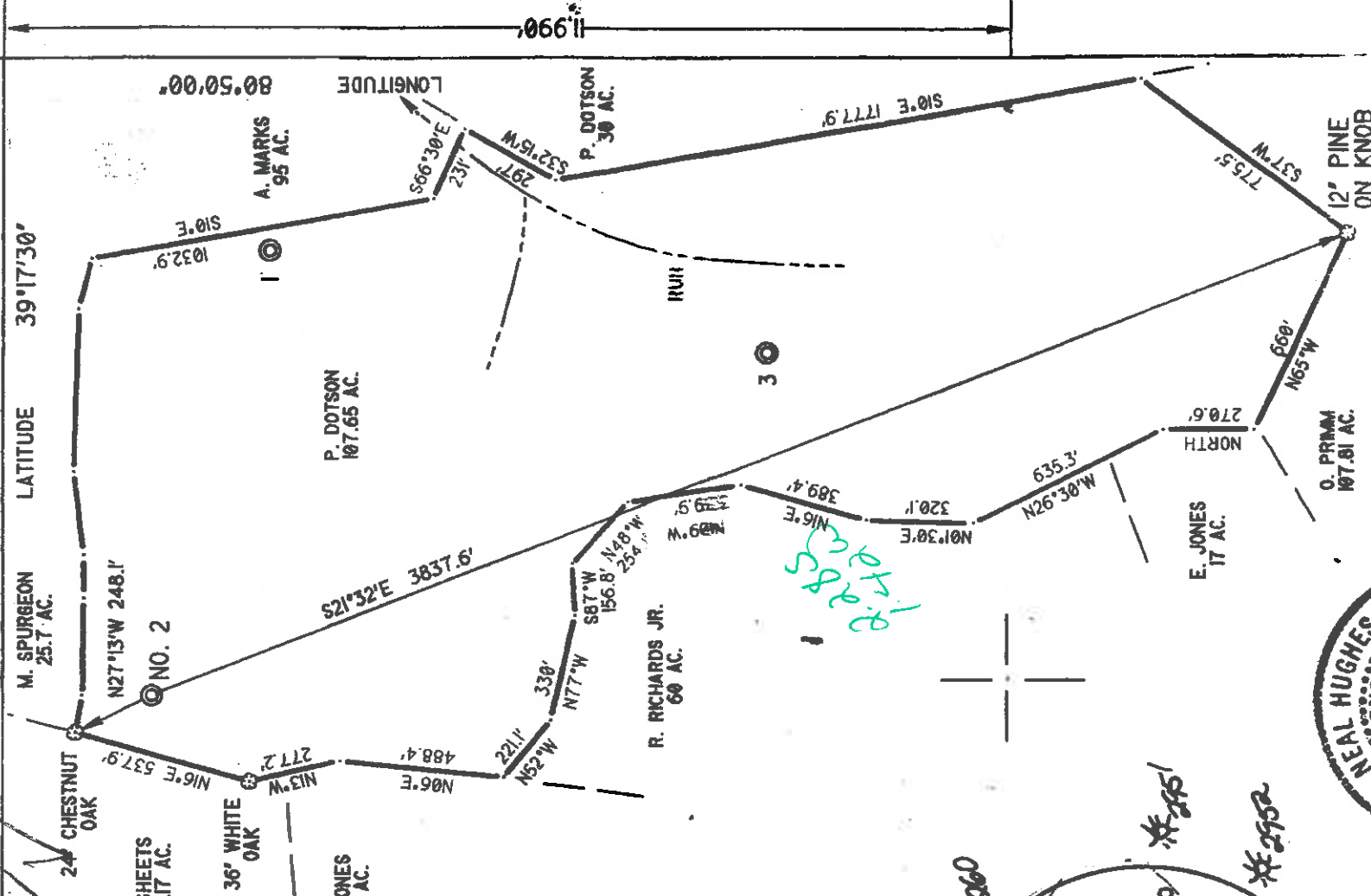


Comptroller
6/19/96



I THE UNDERSIGNED, DO 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.

L.L.S. *Neal Hughes*
632

(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE JUNE 22 19 96

OPERATORS WELL NO. THOMAS 2

API WELL NO. 47 - 017 05279

STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 96-29

PROVEN SOURCE OF ELEVATION KNOB 1332' SCALE 1" = 500'

STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

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

LOCATION ELEVATION 1260' WATERSHED CLAYLICK RUN

DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE WEST UNION

SURFACE OWNER PAUL DOTSON ACREAGE 107.65

ROYALTY OWNER ALTON THOMAS HEIRS, ET AL LEASE ACREAGE 107.65

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 5400'

COUNTY NAME PERMIT

WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JAN CHAPMAN

ADDRESS 22 GARTON PLAZA WESTON, WV 26452

ADDRESS 22 GARTON PLAZA WESTON, WV 26452

ADDRESS 6-6 89 WESTON, WV 26452

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

Well Operator's Report of Well Work

Farm name: DOTSON, PAUL

Operator Well No.: THOMAS #2

LOCATION: Elevation: 1,260.00

Quadrangle: WEST UNION

District: CENTRAL

County: DODDRIDGE

Latitude: 11990 Feet South of 39 Deg. 17 Min. 30 Sec.

Longitude: 7540 Feet West of 80 Deg. 50 Min. 0 Sec.

Company: KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452-0000
Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 07/05/96
Well Work Commenced: 06/21/96
Well Work Completed: 07/02/96
Verbal Plugging

Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5686'
Fresh water depths (ft) NONE

Salt water depths (ft) 314'

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

Coal Depths (ft): None Reported

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	130.35'	130.35'	80sk. To surface
8 5/8"	2250.75'	2250.75'	665 sks. To surface
4 1/2"		5625'	365 sks.
1 1/2"		5462'	

OPEN FLOW DATA

Producing formation Balltown
Riley
Benson
Alexander

Gas: Initial open flow 15 MCF / d
Final open 1,555 MCF / d
Time of open flow between initial and final tests N/A
Static rock pressure 1750 psig (surface pressure) after 96 Hours

Pay zone depth (ft) 4040' - 4726'
Oil: Initial open flow 0 Bbl / d
Oil: Final open flow Show Bbl / d
Hours

Second producing formation Comingled
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 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 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: *Jan Chapman*

President

Date: JANUARY 22, 1997

FEB 14 1997

Thomas #2 (47-017-04279)
Four Stage Foam Frac - Halliburton

1st Stage: Alexander (11 holes) (5482.75 - 5518') 60 Quality Foam. 500 gal. 15% HCL.
60,000# 20/40 sand, 490,000 SCF N2,
814 bbis foam.

2nd Stage: Benson (10 holes) (5200.75' - 5203') 60 Quality Foam. 750 gal 15% HCL.
35,000# 20/40 sand, 423,000 SCF N2,
571 bbis foam.

3rd Stage: Riley (8 holes) (4792.75' - 4826.75') 60 Quality Foam. 750 gal 15% HCL.
Balltown (3 holes) (4432.5' - 4433') 10,000# 80/100 sand, 30,000# 20/40 sand,
508,000 SCF N2, 615 bbis foam.

4th Stage: Balltown (14 holes) (4071.75' - 4206.25') 60 Quality Foam, 1,000 gal 15% HCL.
10,000# 80/100 sand, 45,000# 20/40 sand,
593,000 SCF N2, 794 bbis foam.

WELL LOG.

Clay	0	5	
Sand	5	50	
Red Rock	50	200	
Sand & Shale & Red Rock	200	339	
Sand	339	353	Damp @ 314'
Red Rock & Sand & Shale	353	835	
Sand & Shale	835	1005	
Lime & Sand	1005	1017	
Sand & Shale & Red Rock	1017	1637	
White Sand	1637	1705	
Sand & Shale	1705	1803	
White Sand	1803	1830	
Sand & Shale	1830	2129	
Lime & Shale	2158	2224	
Little Lime	2224	2252	
Pencil Cave	2252	2266	
Big Lime	2266	2350	
Big Injun	2350	2392	
Shale	2392	2558	
Weir	2558	2684	
Sand & Shale	2684	3630	
Warren	3630	3686	
Shale	3686	3702	
Speechley	3702	3824	
Shale	3824	4040	
Balltown	4040	4726	
Shale & Sand	4726	4768	
Riley	4768	4832	
Shale	4832	5117	
3rd Riley	5117	5155	
Shale	5155	5196	
Benson	5196	5208	
Sand & Shale	5208	5446	
Alexander	5446	5528	
Sand & Shale	5528	5686	
T.D.	5686		

Gas Checks
 2223' No Show
 2429' No Show
 2562' No Show
 3025' No Show
 3521' No Show
 4014' No Show
 4511' 4/10-1/2" - H2O
 5037' 3/10 - 2" - H2O
 5400' 4/10 - 2" - H2O
 T.D. 2/10 - 2" - H2O
 Collars - 2/10 - 2" - H2O

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

22243

Well Operator: KEY OIL COMPANY 2555 D 671
 Operator's Well Number: THOMAS #2, 3) Elevation: 1260'

Issued 07/05/96
 Expires 07/05/98

Well type: (a) Oil X / or Gas X /
 (b) If Gas: Production X / Underground Storage 1
 Deep 1 / Shallow X

- 5) Proposed Target Formation(s): ALEXANDER
 6) Proposed Total Depth: 5600 feet
 7) Approximate fresh water strata depths: 100'
 8) Approximate salt water depths: -0-
 9) Approximate coal seam depths: N/A
 10) Does land contain coal seams tributary to active mine? Yes 1 / No X /
 11) Proposed Well Work: DRILL, STIMULATE, PRODUCE
 12)

RECEIVED
 WV Division of
 Environmental Protection
 JUL 10 1996
 Permitting
 Office of Oil & Gas

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT PER FT.	FOR DRILLING	LEFT IN WELL	FILL-UP (cu. ft.)
Conductor						
Fresh Water	11 3/4	ERW	42	132	132	38CS919-11.3 70 SKS. TO SURFACE
Coal						
Intermediate	8 5/8	ERW	23	2240	2240	38CS911-2.2 590 SKS. TO SURFACE
Production	4 1/2	J-55	10.5	5500	5500	350 SKS. 38CS911-1
Tubing	1.5					
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only
 Fee(s) paid: 209.20 CP Well Work Permit CP Reclamation Fund CP WPCP
 Plat CP WW-2B CP Bond CP (Type) CP Agent

RECEIVED
WV Division of
Environmental Protection
JUN 01 1996

1) Date: JUNE 18, 1996
2) Operator's well number THOMAS #2
3) API Well No: 47 - 017 - 4279
State County Permit

Office of Oil & Gas Permitting
**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 PAUL DOTSON Name NONE
Address RT. 1 BOX 232 Address
WEST UNION, WV 26456

(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)- 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**

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:
Its: PRESIDENT
Address 22 GARTON PLAZA
WESTON, WV 26452

Telephone 304-269-7102
Subscribed and sworn before me this 18TH day of JUNE, 19 96

My commission expires MARCH 24, 2003

