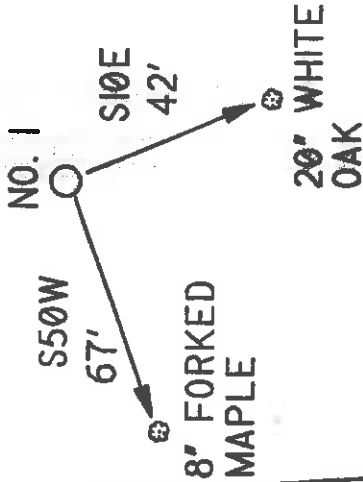


REFERENCE POINTS

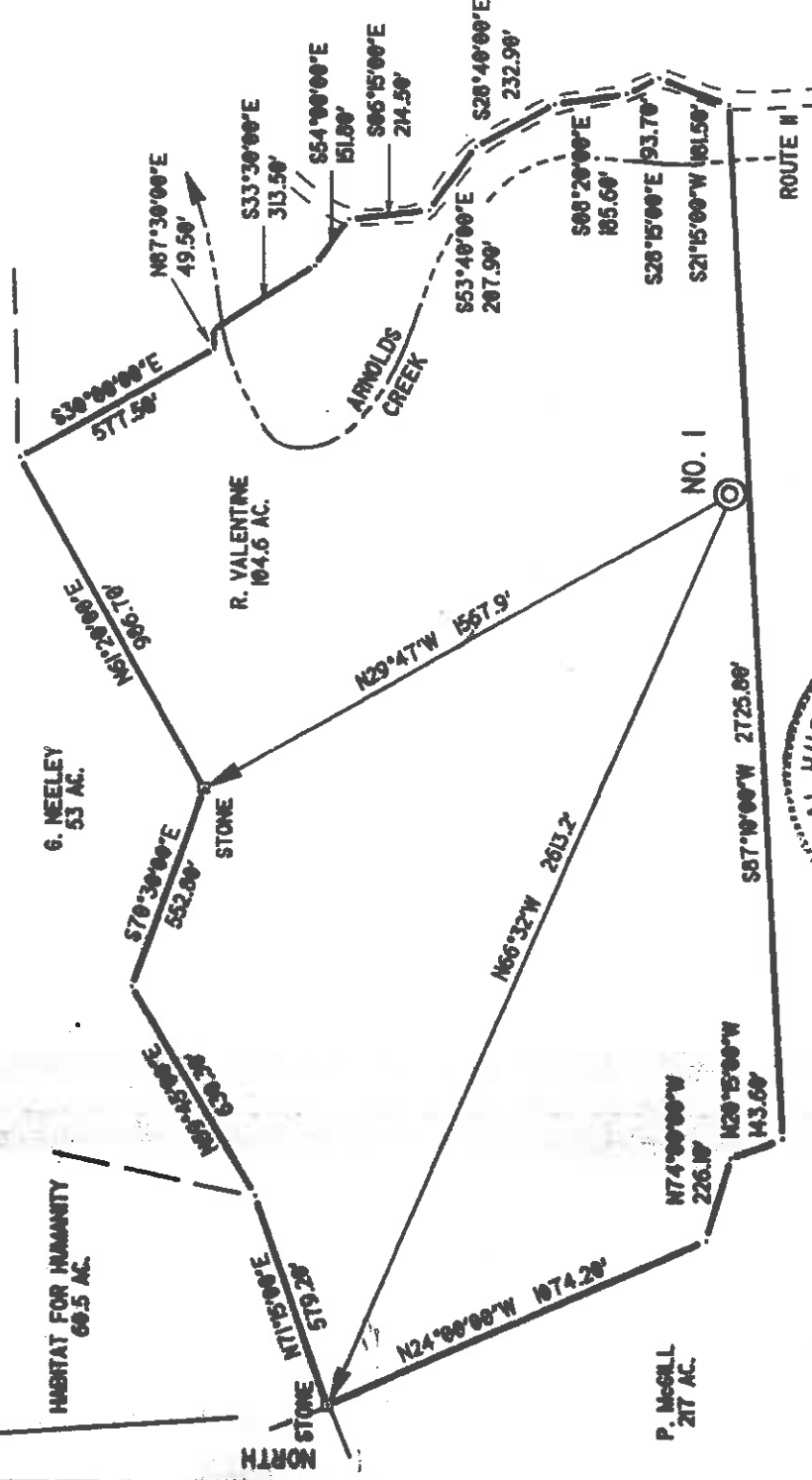
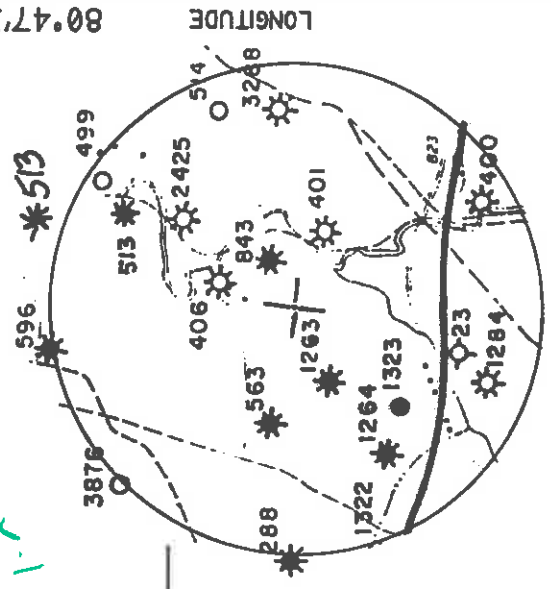


LATITUDE 39°17'30"

LONGITUDE 80°47'30"

April 18/5/96

*0.7152
1.278*

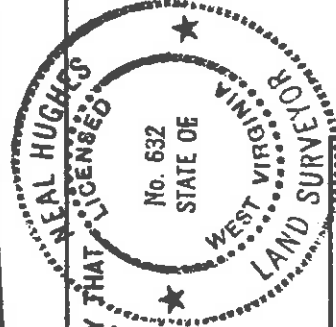


I THE UNDERSIGNED, DO HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF ENERGY.

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

DATE JULY 25 19 96

OPERATORS WELL NO. VALENTINE I



L.L.S. *Neal Hughes*
632

API WELL NO. 47 - 017-04285

STATE WEST VIRGINIA COUNTY WEST VIRGINIA PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 96-58 STATE OF WEST VIRGINIA DEPARTMENT OF ENERGY OIL AND GAS DIVISION

PROVEN SOURCE OF ELEVATION NOB 1231 SCALE 1" = 500'

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

LOCATION: ELEVATION 1015' WATERSHED ARNOLDS CREEK

DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE WEST UNION

SURFACE OWNER RALPH AND JUDITH VALENTINE ACREAGE 104.6

ROYALTY OWNER RALPH AND JUJITH VALENTINE LEASE ACREAGE 104.6

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 COUNTY WEST VIRGINIA

ADDRESS 22 GARTON PLAZA ADDRESS 22 GARTON PLAZA

WESTON, WV 26452 WESTON, WV 26452

APR 17 1997

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

Permitting
 Office of Oil & Gas

Well Operator's Report of Well Work
 Farm name: VALENTINE, RALPH & JUDITH Operator Well No.: VALENTINE #1

LOCATION: Elevation: 1,015.00 Quadrangle: WEST UNION

District: CENTRAL County: DODDRIDGE
 Latitude: 3750 Feet South of 39 Deg. 17 Min. 30 Sec.
 Longitude: 6700 Feet West of 80 Deg. 47 Min. 30 Sec.

Company: KEY OIL COMPANY
 22 Garton Plaza
 WESTON, WV 26452-0000

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
 Permit Issued: 08/05/96
 Well Work Commenced: 08/11/96
 Well Work Completed: 08/22/96

Verbal Plugging _____
 Permission granted on: _____
 Rotary X Cable _____ Rig _____
 Total Depth (feet) 5457'
 Fresh water depths (ft) 170' 321'
 Salt water depths (ft) NONE

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

OPEN FLOW DATA

Producing formation _____ Balltown
 Gas: Initial open flow _____ Show _____ MCF / d Rileys
 Final open flow 1,650 MCF / d Benson
 Time of open flow between initial and final tests _____ N/A
 Static rock pressure 1740 psig (surface pressure) after 96 Hours

Second producing formation _____ Commingled
 Gas: Initial open flow _____ MCF / d Pay zone depth (ft)
 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 PERFORMED 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: 3-26-97

APR 28 1997

PRESIDENT

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"			
8 5/8"	1014	1014	290 sks To Surface
4 1/2"	5345.9	5345.9	380 sks
2 3/8"		5213	

Valentine #1 (47-017-04285)
 Four Stage Foam Frac - Halliburton

1st Stage: Alexander (11 holes) (5232.25' - 5282.75') 60 Quality Foam. 500 gal. 15% HCL.
 60,000# 20/40 sand, 550,000 SCF N2,
 810 bbis foam.

2nd Stage: Benson (5 holes) (4972.5 - 4973.5') 60 Quality Foam. 750 gal 15% HCL.
 Third Riley (3 holes) (4905.5' - 4906') 35,000# 20/40 sand, 428,000 SCF N2,
 Second Riley (3 holes) (4818.25' - 4818.75') 517 bbis foam.

3rd Stage: Riley (8 holes) (4536.25' - 4569.5') 60 Quality Foam. 1,000 gal 15% HCL.
 Balltown (4 holes) (4434.25' - 4449.5') 10,000# 80/100 sand, 30,000# 20/40 sand,
 508,000 SCF N2, 551 bbis foam.

4th Stage: Balltown (10 holes) (3854.25' - 4149.5') 60 Quality Foam, 1,000 gal 15% HCL.
 10,000# 80/100 sand, 40,000# 20/40 sand,
 473,000 SCF N2, 695 bbis foam.

WELL LOG

Fill	0	5	
Sand	5	50	
Sand & Shale	50	140	
Red Rock	140	157	
Sand & Shale	157	1090	Damp @ 170'
Sand & Shale	1090	1246	2" H ² O @ 321'
Sand	1246	1280	
Sand & Shale	1280	1950	
Little Lime	1950	1990	
Sand & Shale	1990	1995	
Big Lime	1995	2044	
Big Injun	2044	2127	
Shale	2127	2279	
Weir	2279	2394	
Shale	2394	2477	
Berea	2477	2484	
Sand & Shale	2484	2680	
Gordon	2680	2716	
Shale	2716	3345	
Warren	3345	3410	
Shale	3410	3420	
Speechley	3420	3532	
Shale	3532	3846	
Balltown	3846	4476	
Shale & Sand	4476	4510	
Riley	4510	4573	
Shale	4573	4760	
2 nd Riley	4760	4834	
Shale	4834	4886	
3 rd Riley	4886	4920	
Shale	4920	4968	
Benson	4968	4978	
Sand & Shale	4978	5212	
Alexander	5212	5304	
Sand & Shale	5304	5457	
T.D.	5457		

Gas Checks

1808' No Show
 2026' No Show
 2522' No Show
 3021' 1/10ths 1/2" w/H²O
 3520' 2/10ths 1/2" w/H²O
 4018' 1/10ths 1/2" w/H²O
 4330' 5/10ths 1/2" w/H²O
 4710' 2/10ths 1/2" w/H²O
 5020' 2/10ths 1/2" w/H²O
 TD Show

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

- 1) Well Operator: KEY OIL COMPANY 25685 0 671
- 2) Operator's Well Number: VALENTINE #1 3) Elevation: 1015'
- 4) Well type: (a) Oil X / or Gas X / Issued 08/05/96
 (b) If Gas: Production X / Undergound Storage 08/05/98
 Deep 439 / Shallow X /
- Proposed Target Formation(s): ALEXANDER **RECEIVED**
 Division of Environmental Protection
- Proposed Total Depth: 5600 4230 feet **11 30 1996**
 Office of Oil & Gas Permitting
- Approximate fresh water strata depths: 80
- Approximate salt water depths: NONE REPORTED ON NEARBY WELLS
- 9) Approximate coal seam depths: NONE
- 10) Does land contain coal seams tributary to active mine? Yes 1 / No X /
- 11) Proposed Well Work: DRILL, STIMULATE, PRODUCE New Well
- 12)

21914

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT PER FT.	FOOTAGE	INTERVALS	CEMENT
Conductor	11 3/4	ERW	42	42	0	380581811.3
Fresh Water	8 5/8	ERW	23	1015	1015	275 SKS. TO SURFACE
Coal						380581811.2.2
Intermediate						
Production	4 1/2	J-55	10.5	5400	5400	365 SKS.
Tubing	1.5					380581811.1
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only

Fee(s) paid: Plat WW-25 WW-25 Reclamation Fund WPC2
 Agent

13

RECEIVED
WV Division of
Environmental Protection

JUL 30 1996

1) Date: JULY 29, 1996
2) Operator's well number
VALENTINE #1
3) API Well No: 47 - 017 - 4285
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: NONE

(a) Name RALPH & JUDITH VALENTINE Name
Address P. O. BOX 34 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 [Signature]
Its PRESIDENT
Address 22 GARTON PLAZA
WESTON, WV 26452

Telephone 304-269-7102
Subscribed and sworn before me this 29TH day of JULY, 19 96

My commission expires MARCH 24, 2003

