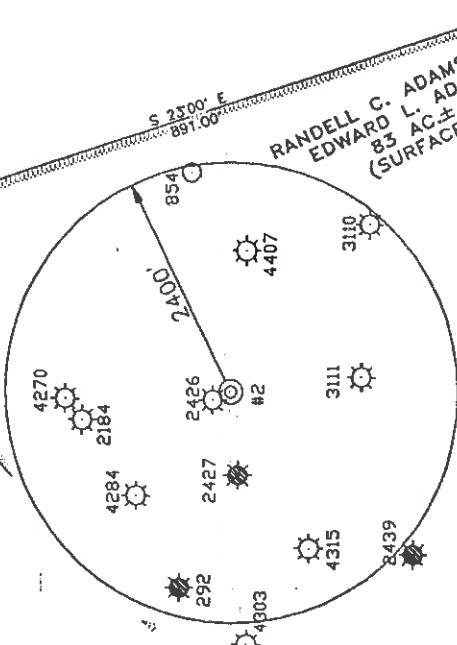
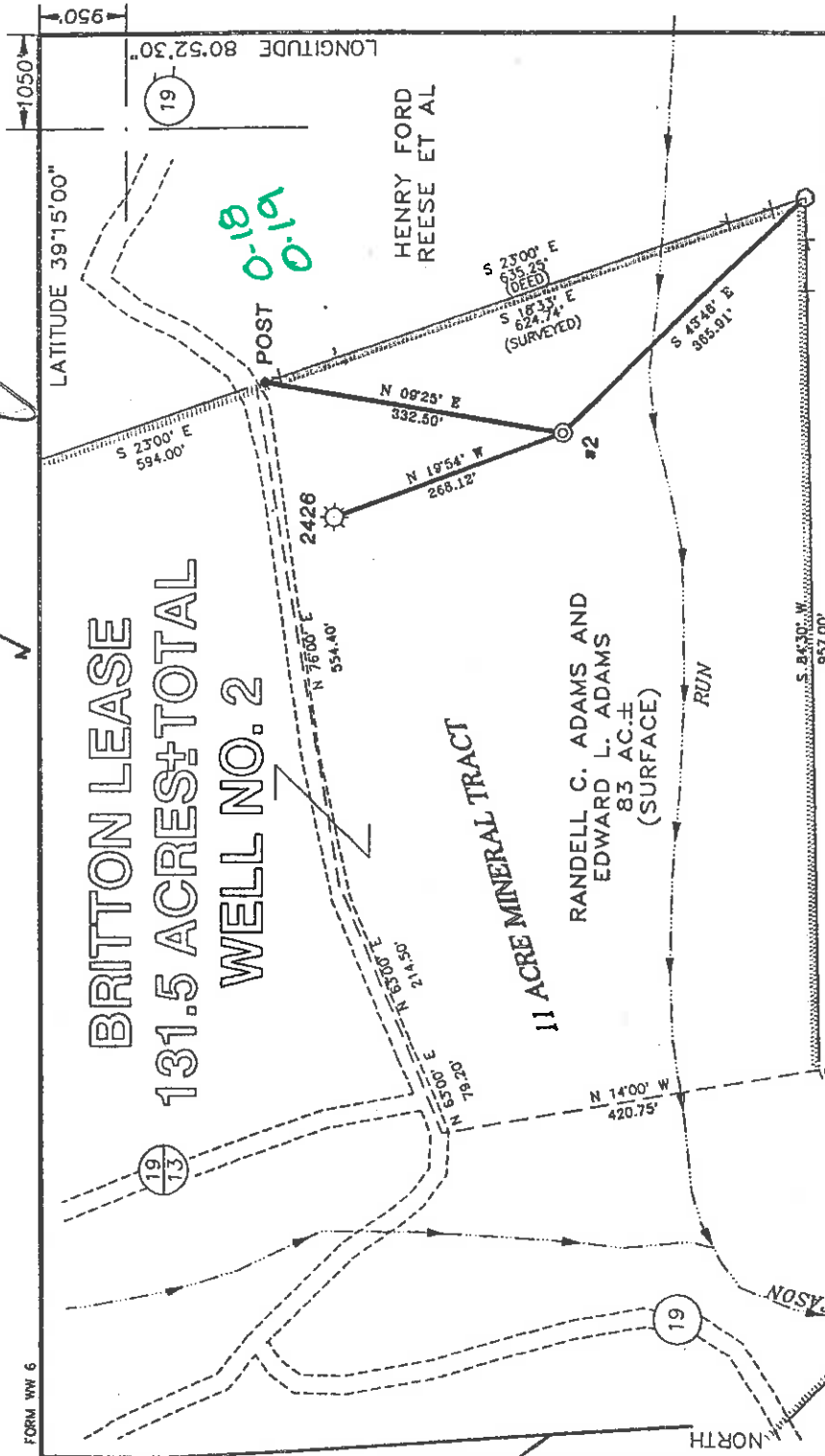


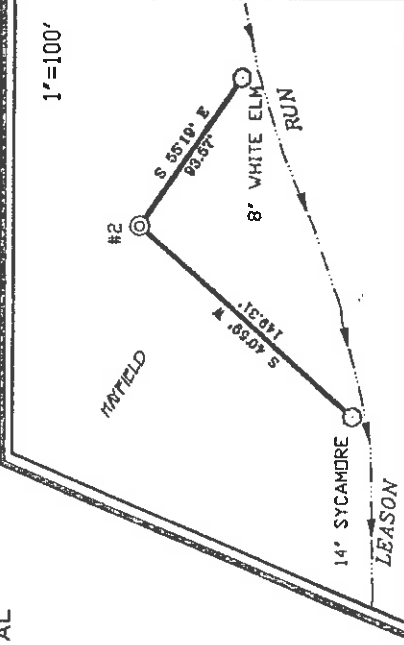
# BRITTON LEASE 131.5 ACRES ± TOTAL WELL NO. 2

0-19  
0-19a

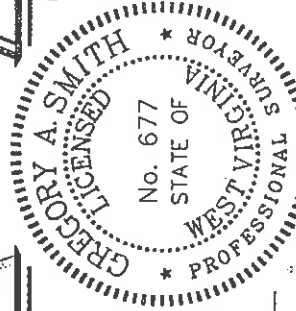


HENRY FORD REESE ET AL

## 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 JULY 15, 19 98  
 OPERATORS WELL NO. BRITTON #2  
 API WELL NO. 47-017-04462  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 3997P2 (59-73)  
 PROVEN SOURCE OF ELEVATION SCALE 1" = 200'  
 BENCH MARK ELEVATION 854'

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

WELL TYPE : OIL  GAS  INJECTION  DISPOSAL  WASTE  LIQUID  WASTE  IF  "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW   
 LOCATION : ELEVATION 844' WATERSHED LEASON RUN

DISTRICT CENTRAL COUNTY DODDRIDGE  
 SURFACE OWNER RANDELL C. ADAMS AND EDWARD L. ADAMS  
 ROYALTY OWNER ALTA MARIE BRITTON

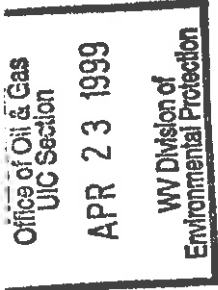
QUADRANGLE PULLMAN 7.5'  
 ACREAGE 83  
 LEASE ACREAGE 11 OF 131.5  
 LEASE NO.

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

COUNTY NAME D000 PERMIT 44102

WR-35



25 - Aug - 98  
 API # 47 - 17 - 04462

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

Reviewed 

Well Operator's Report of Well Work

Farm name: ADAMS, RANDALL & ADAMS, ED

Operator Well No. : BRITTON #2

LOCATION: . Elevation: 844.00

Quadrangle: PULLMAN

District: CENTRAL  
 Latitude: 950 Feet South of 39 Deg. 15 Min. 0 Sec.  
 Longitude: 1050 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: 08/25/98  
 Well Work Commenced: 10/14/98  
 Well Work Completed: 10/20/98

Verbal Plugging  
 Permission granted on: \_\_\_\_\_ Rig  
 Rotary X Cable \_\_\_\_\_  
 Total Depth ( feet ) \_\_\_\_\_ 5264'  
 Fresh water depths ( ft ) \_\_\_\_\_ 12', 65', 167'  
 Salt water depths ( ft ) \_\_\_\_\_ NONE

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

OPEN FLOW DATA

Producing formation Balltown  
 Gas: Initial open flow 5 MCF / d  
 Final open flow 1,492 MCF / d  
 Time of open flow between initial and final tests N/A  
 Static rock pressure 1800 psig ( surface pressure ) after 96 Hours  
 Pay zone depth ( ft ) 3617' - 4315'  
 Oil: Initial open flow 0 Bbl / d  
 Oil: Final open flow show Bbl / d  
 Oil: Final open flow show Bbl / d  
 Hours  
 Hours

Second producing formation Commingled  
 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  
 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: 

PRESIDENT

Date: April 19, 1999

Dodd 4462

MAY 3 1999

Britton #2 ( 47-017-04462 )  
Three Stage Foam Frac - Halliburton

1<sup>st</sup> Stage: Alexander ( 14 holes ) ( 5057.75' to 5101' )      60 Quality Foam, 500 gal, 15% HCL,  
60,000# 20/40 sand, 550,000 SCF N<sub>2</sub>,  
809 bbis foam.

2<sup>nd</sup> Stage: Benson ( 8 holes ) ( 4792' to 4793.75' )      60 Quality Foam, 750 gal, 15% HCL,  
Third Riley ( 4 holes ) ( 4713.75' to 4733' )      40,000# 20/40 sand, 417,000 SCF N<sub>2</sub>,  
614 bbis foam.

3<sup>rd</sup> Stage: Second Riley ( 3 holes ) ( 4473.75' to 4474.25' )      60 Quality Foam, 1,000 gal 15% HCL,  
Riley ( 10 holes ) ( 4376.75' to 4395.75' )      5,000# 80/100 sand, 45,000# 20/40 sand,  
Balltown ( 3 holes ) ( 3798.25' to 3838.25' )      502,000 SCF N<sub>2</sub>, 740 bbis foam..

WELL LOG

Fill	0	4	
Sand	4	11	
Shale & Shale	11	44	1/2" H <sub>2</sub> O @ 12'
Sand	44	86	3" H <sub>2</sub> O @ 65'
Red Rock & Shale	86	102	
Sand & Shale & Red Rock	102	280	1/2" H <sub>2</sub> O @ 167'
Shale & Sand	280	592	
Lime	592	599	
Sand & Shale	599	943	
Sand & Shale & Red Rock	943	1515	
Sand	1515	1788	
Little Lime	1788	1829	
Shale	1829	1836	
Big Lime	1836	1894	
Big Injun	1894	1946	
Shale	1946	2142	
Weir	2142	2270	
Shale	2270	2338	
Berea	2338	2342	
Sand & Shale	2342	3208	
Warren	3208	3278	
Shale	3278	3292	
Speechley	3292	3413	
Shale & Sand	3413	3617	
Balltown	3617	4315	
Shale	4315	4350	
Riley	4350	4426	
Sand & Shale	4426	4450	
Second Riley	4450	4540	
Shale	4540	4700	
Third Riley	4700	4760	
Shale	4760	4788	
Benson	4788	4798	
Sand & Shale	4798	4984	
Upper Elk	4984	4995	
Shale	4995	5030	
Alexander	5030	5115	
Shale	5115	5264	
T.D.	5264		

GAS CHECKS

2135' - No Show  
2500' - No Show  
2993' - No Show  
3519' - No Show  
4504' - 4/10<sup>ths</sup> - 1/2" w/H<sub>2</sub>O  
4721' - 6/10<sup>ths</sup> - 1/2" w/H<sub>2</sub>O