

LONG. 80°49'41.0" 10.350' LATITUDE 39°10'00"

TRENT LEASE

VIRGINIA M. DARRAH
S. 87°39' E B44.90'

15.10 OF 16 ACRES ±

LONGITUDE 80°47'30" 2.189' LAT. 39°09'38.7"

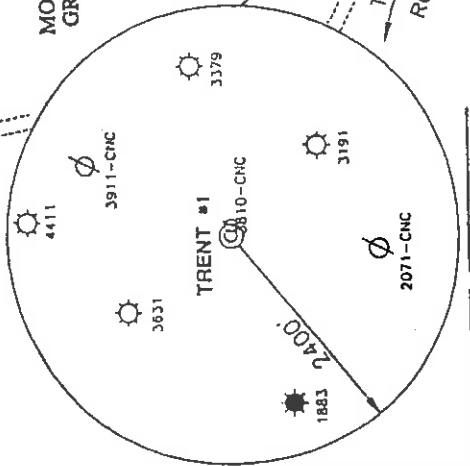
MORAN & GRIMM

WELL NO. 1

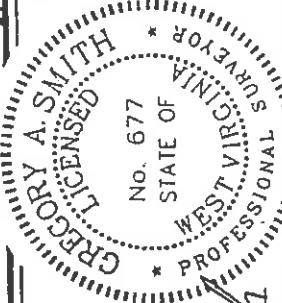
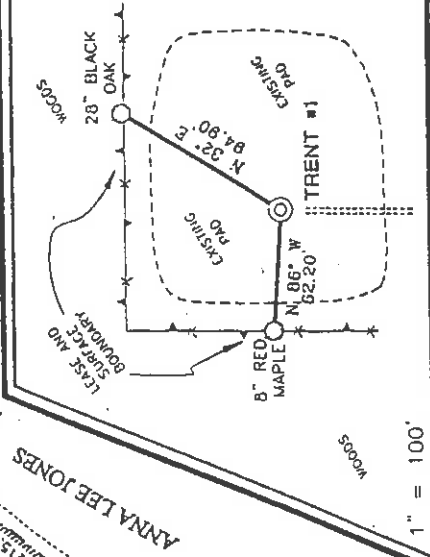
NOTE: WELL IS STAKED ON A LOCATION PREVIOUSLY BUILT FOR A.P.I. NO 47-017-3810 & 47-017-3638. BOTH WERE PREVIOUSLY CANCELED.

NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV SOUTH ZONE NAD '27. MAGNETIC NORTH 4/20/00.
2. TIES TO REFERENCES ARE BASED ON LEASE BOUNDARY SHOWN HEREON TAKEN FROM A PLAT DATED 10/10/89 AS PREPARED BY GREG SMITH PS#677 FOR A.P.I. NO. 47-017-3810.
3. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN APRIL, 2000.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



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 APRIL 25, 2000

OPERATORS WELL NO. TRENT #1

API WELL NO. 47-017

STATE COUNTY PERMIT NO. 04551

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

MINIMUM DEGREE OF ACCURACY 1 / 200

FILE NO. 4381P1 (80-78)

SCALE 1" = 200'

PROVEN SOURCE OF ELEVATION TOP OF KNOB 1111'

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

LOCATION : ELEVATION 1011' WATERSHED UPPER RUN

DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5' ACREAGE 15.10

SURFACE OWNER MERTON & THELMA JEAN HINZMAN LEASE ACREAGE 16

ROYALTY OWNER JIMMIE R. TRENT JR. & SANDRA S. TRENT 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

6-6-133



DODD COUNTY NAME 4551 PERMIT

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

Reviewed ARB

Well Operator's Report of Well Work

Farm name: MERTON & THELMA JEAN HINZMAN

Operator Well No.: TRENT #1

LOCATION: Elevation: 1011'

Quadrangle: OXFORD

District: SOUTHWEST

County: DODDRIDGE

Latitude: 2180

Feet South of 39 Deg. 10 Min. 00 Sec.

Longitude: 10350

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: 06/21/00
Well Work Commenced: 12/20/00
Well Work Completed: 12/31/00

Verbal Plugging
Permission granted on: _____ Rig
Rotary X Cable _____

Total Depth (feet) _____ 5170'

Fresh water depths (ft) _____ 160'

Salt water depths (ft) _____ NONE

Is coal being mined in area (Y / N) ? N
Coal Depths (ft) : _____

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
8 5/8"	1043'	1043'	230 sks To Surface
4 1/2"	5083'	5083'	250 sks
2 3/8"		4951'	

OPEN FLOW DATA

Rileys
Benson
Elk

Producing formation: Alexander

Gas: Initial open flow 60 MCF / d Oil: Initial open flow 0 Bbl / d
 Final open flow 1,540 MCF / d Oil: Final open flow show Bbl / d
 Time of open flow between initial and final tests: N/A Hours
 Static rock pressure 1950 psig (surface pressure) after 96 Hours

Second producing formation: Commingled

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: [Signature]
Date: May 1, 2001

MAY 25 2001

PRESIDENT

Dodd, 4551

Trent #1 (47-017-4551)
Three Stage Foam Frac - Halliburton

1st Stage: Alexander (14 holes) (497'1' to 5016.25') 60 Quality Foam. 500 gal 15% HCL.
Elk (3 holes) (4825.25' to 4825.75') 60,000# 20/40 sand, 550,000 SCF N2,
807 bbls foam.

2nd Stage: Benson (6 holes) (4702.50' to 4703.75') 60 Quality Foam. 750 gal 15% HCL.
Third Riley (10 holes) (4571.50' to 4629.75') 40,000# 20/40 sand, 417,000 SCF N2,
613 bbls foam.

3rd Stage: Riley (14 holes) (4285.25' to 4302.50') 60 Quality Foam. 1,000 gal 15% HCL.
5,000# 80/100 sand, 45,000# 20/40 sand,
502,000 SCF N2, 738 bbls foam.

WELL LOG

KB-GL	0	10	
Fill	10	17	
Clay & Gravel	17	35	
Red Rock	35	63	
Sand	63	110	
Sand & Shale	110	240	1/2" water @ 160'
Sand	240	278	
Sand & Shale	278	601	
Sand	601	663	
Shale & Red Rock	663	695	
Sand & Shale	695	1020	
Sand	1020	1191	
Shale	1191	1315	
Sand & Shale	1315	1600	
Sand	1600	1626	
Shale	1626	1724	
Little Lime	1724	1742	
Shale	1742	1772	
Big Lime	1772	1830	
Big Injun	1830	1894	
Shale	1894	2048	
Weir	2048	2175	
Shale	2175	2428	
Gordon	2428	2476	
Shale	2476	3121	
Warren	3121	3158	
Shale	3158	3173	
Speechley	3173	3270	
Shale	3270	3458	
Balltown	3458	4195	
Shale	4195	4260	
Riley	4260	4324	
Shale	4324	4564	
Third Riley	4564	4641	
Shale	4641	4696	
Benson	4696	4706	
Shale	4706	4886	
Elk	4886	4912	
Shale	4912	4942	
Alexander	4942	5044	
Sand & Shale	5044	5170	
T.D.	5170		

Gas Checks

1998' - 4/10^{ths} - 2" w/water
3825' - 2/10^{ths} - 2" w/water