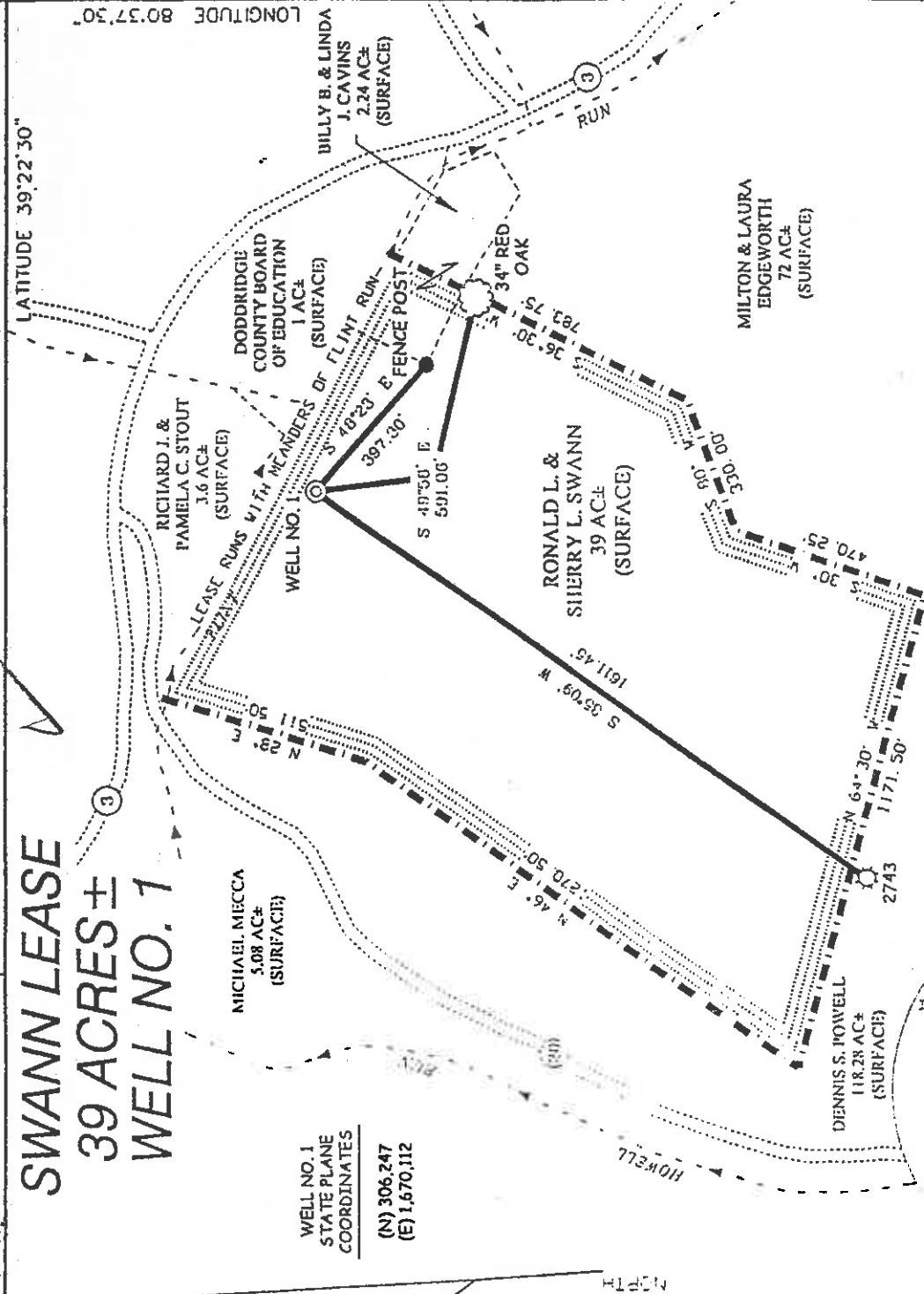


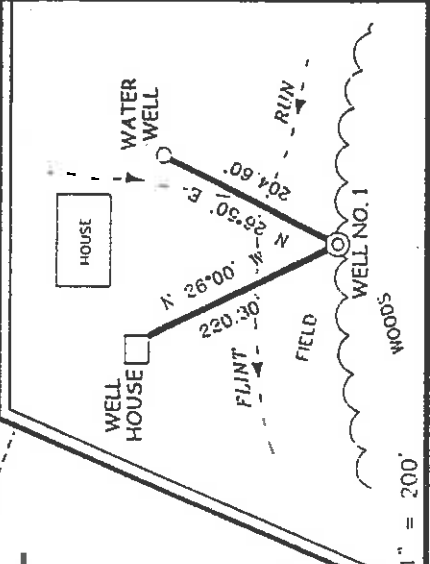
SWANN LEASE 39 ACRES ± WELL NO. 1

WELL NO. 1
STATE PLANE
COORDINATES
(N) 306,247
(E) 1,670,112



REFERENCES

- NOTES ON SURVEY**
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
 2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 4/28/03.
 3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A TITLE OPINION DATED 6/06/00 AS PREPARED BY RICHARD M. REDDELIFF ATTORNEY AT LAW.
 4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN APRIL, 2003.
 5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAN IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION FURNISHED BY LAW AND THE REGULATIONS ISUJED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.

U.S. 677 *Gregory A. Smith*

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
DATE: APRIL 30, 20 03
OPERATORS WELL NO. SWANN NO. 1
API WELL NO. 47-17-4738
STATE COUNTY PERMIT

MINIMUM DEPTH OF ACCURACY 1 / 200 FILE NO. 5216P1 (143-30)
PROVEN SOURCE OF ELEVATION SCALE 1" = 400'
ADJUSTION OF ROADS ELEVATION = 838'

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

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

LOCATION: ELEVATION 807' WATERSHED FLINT RUN

DISTRICT GRANT COUNTY DODDRIDGE

SURFACE OWNER RONALD AND SHERRY SWANN QUADRANGLE SMITHBURG 7.5'
ROYALTY OWNER DOUGLASS ISLAND, ET AL ACREAGE 39±
PROPOSED WORK LEASE ACRES 39±
LEASE NO. _____

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER _____

MUTUAL CHARGE IN WELL (SPECIFY) _____ TARGET FORMATION ALEXANDER
ESTIMATED DEPTH 5,600'

WELL OPERATOR **KEY OIL COMPANY** DESIGNATED AGENT JAI CHAIYAM
ADDRESS 22 GARTON PLAZA WESTON, WV 26452

0000 4738
COUNTY NAME PERMIT

(Smilodon Fluid Services)

MAY 23 2003

mtg

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

RECEIVED
Office of Oil & Gas
DEC 16 2003

Well Operator's Report of Well Work

Operator Well No. : SWANN #1 WV Department of Environmental Protection

Farm Name: RONALD AND SHERRY SWANN

LOCATION: Elevation: 807.00

Quadrangle: SMITHBURG

County: DODDRIDGE

District: GRANT
Latitude: 14,550 Feet South of 39 Deg. 22 Min. 30 Sec.
Longitude: 11,650 Feet West of 80 Deg. 37 Min. 30 Sec.

Company: KEY OIL COMPANY
22 GARTON PLAZA
WESTON, WV 26452-0000

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 05/20/03
Well Work Commenced: 07/20/03
Well Work Completed: 07/25/03

Verbal Plugging
Permission granted on: _____ Rig
Rotary X Cable _____
Total Depth (feet) 5231'
Fresh water depths (ft) 18', 143'
Salt water depths (ft) NONE

Is coal being mined in area (Y / N) ? N
Coal Depths (ft) : 118' (4')

OPEN FLOW DATA

Rileys
Benson
Elk
Producing formation Alexander
Gas: Initial open flow _____ odor _____ MCF / d
Final open flow 1517 MCF / d
Time of open flow between initial and final tests N/A
Static rock pressure 1,600 psig (surface pressure) after 96 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 _____ 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: *Jan Chapman*
Date: December 15, 2003

PRESIDENT

FEB 27 2004

0000 4738

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"	130'	130'	100 sks To Surface
8 5/8"	1271'	1271'	285 sks To Surface
4 1/2"	5179'	5179'	260 sks

Swann #1 (47-017-4738)
Three Stage Foam Frac – Universal Well Services

1st Stage: Alexander (10 holes) (5069.75' to 5145') 60 Quality Foam. 500 gal. 15% HCL.
 Elk (4 holes) (4977.25' to 4988') 50,000# 20/40 sand, 519,000 SCF N₂,
 720 bbis foam.

2nd Stage: Benson (7 holes) (4792.50' to 4794') 60 Quality Foam. 750 gal. 15% HCL.
 Second Riley (6 holes) (4536' to 4537.25') 30,000# 20/40 sand, 359,000 SCF N₂,
 523 bbis foam.

3rd Stage: Riley (13 holes) (4264' to 4314') 60 Quality Foam. 750 gal. 15% HCL.
 5,000# 80/100 sand, 30,000# 20/40 sand,
 394,000 SCF N₂, 601 bbis foam.

WELL LOG

KB-GI	0	10	
Soil & Gravel	0	10	
Sand & Shale	17	17	2" water @ 18'
Sand	78	78	
Sand & Shale	82	82	
Coal	118	118	
Sand & Shale	118	122	
Sand	122	227	
Sand	227	235	1/2" water @ 200'
Lime	235	270	
Sand & Shale	270	360	
Sand	360	400	
Sand & Shale	400	506	
Red Rock	506	518	
Sand & Shale & Red Rock	518	694	
Sand & Shale	694	795	
Sand	795	820	
Sand & Shale	820	1363	
Sand	1363	1427	
Sand & Shale	1427	1612	
Little Lime	1612	1674	
Blue Monday	1674	1701	
Big Lime	1701	1754	
Big Injun	1754	1846	
Shale	1846	2028	
Weir	2028	2110	
Shale	2110	2418	
Gordon	2418	2470	
Sand & Shale	2470	4253	
Riley	4253	4343	
Shale	4343	4518	
Second Riley	4518	4576	
Shale	4576	4785	
Benson	4785	4796	
Shale	4796	4970	
449 - Elk	4970	4996	
Shale	4996	5048	
Alexander	5048	5156	
Shale	5156	5231	
TD	5231		

Gas Checks

1555' – No Show
 1800' - Odor
 1922' - Odor
 2422' - Odor
 3050' - Odor
 3903' - Odor
 4281' - Odor
 4721' - Odor
 4971' – Odor