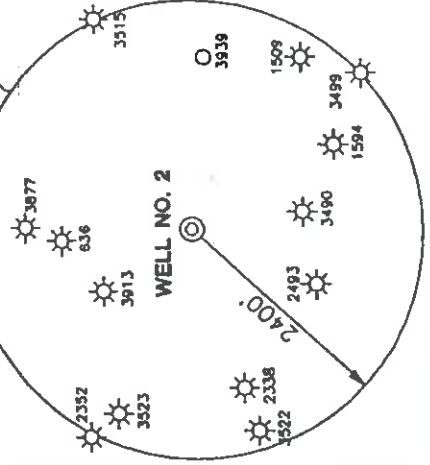
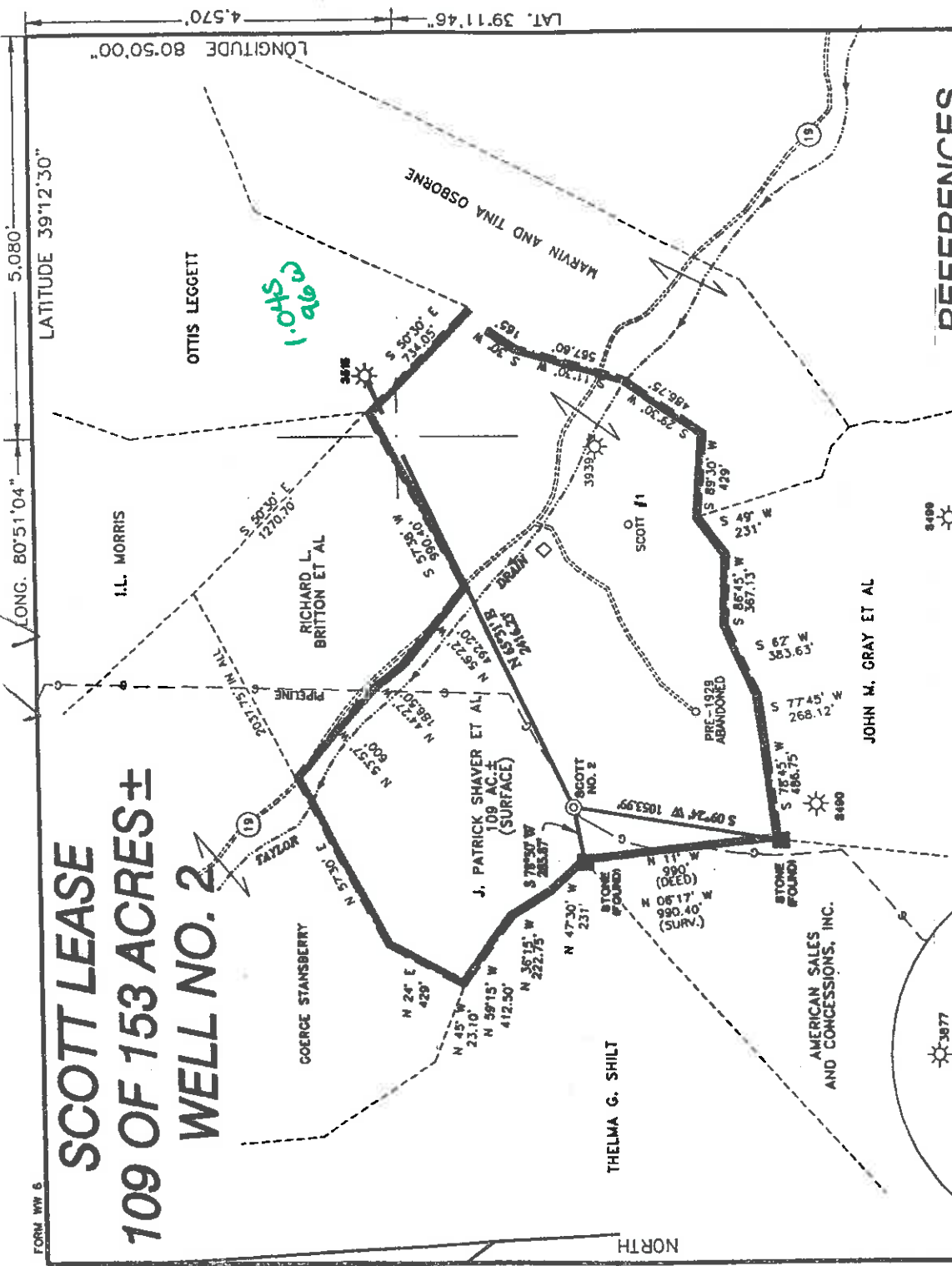


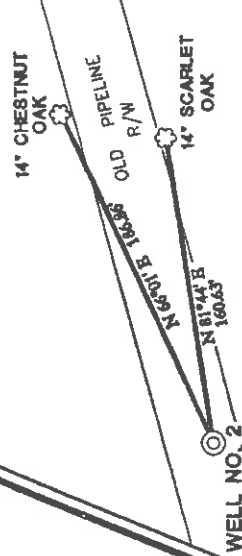
SCOTT LEASE 109 OF 153 ACRES ± WELL NO. 2



NOTES ON SURVEY

- LEASE BOUNDARY SHOWN HEREON TAKEN FROM DEED BOOK 225 PAGE 72 AS PROVIDED BY RICHARD REDDECLIFF ON 12/3/98.
- SURFACE OWNERS AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN DECEMBER, 1998.
- WELL LAT./LONG. ESTABLISHED BY FIELD SURVEY ON 1/4/99 AND SCALED ON TOPO.

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 JANUARY 5, 19 99
OPERATORS WELL NO. SCOTT NO. 2
API WELL NO. 47-017-04498
STATE COUNTY PERMIT



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4121P2 (69-64)
PROVEN SOURCE OF ELEVATION 1130' TOP OF KNOB ELEVATION 1209'
SCALE 1" = 800'

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

LOCATION : ELEVATION 1130' WATERSHED TAYLOR DRAIN
DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
SURFACE OWNER J. PATRICK SHAVER ET. AL. ACREAGE 109
ROYALTY OWNER J. PATRICK SHAVER ET. AL. LEASE ACREAGE 109 OF 153
LEASE NO. _____
PROPOSED WORK :
DRILL CONVERT DRILL DEEPER 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' ESTABLISHED BY _____

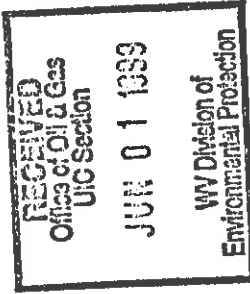
WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JAN CHAPMAN
ADDRESS 22 GARTON PLAZA WESTON, WV 26452 ADDRESS 22 GARTON PLAZA WESTON, WV 26452

COUNTY NAME Dood PERMIT 4498

6-6 133

WR-35

11 - Jan - 99
API # 47 - 17 - 4498



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

Reviewed RS

Well Operator's Report of Well Work

Farm name: SHAVER, J. PATRICK

Operator Well No.: P. SCOTT #2

LOCATION: Elevation: 1,030.00

Quadrangle: OXFORD

District: SOUTHWEST
Latitude: 4570 Feet South of 39 Deg. 12 Min. 30 Sec.
Longitude: 5080 Feet West of 80 Deg. 50 Min. 00 Sec.

County: DODDRIDGE

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 01/11/99
Well Work Commenced: 01/14/99
Well Work Completed: 01/19/99

Verbal Plugging
Permission granted on: _____ Rig
Rotary X Cable _____
Total Depth (feet) 5376'
Fresh water depths (ft) 20', 175'
Salt water depths (ft) NONE

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

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"	131'	131'	70 sks To Surface
8 5/8"	1954	1954'	560 sks To Surface
4 1/2"	5281'	5281'	470 sks
2 3/8"		5139'	

OPEN FLOW DATA

Warren
Speechley
Balltown
Rileys
Benson
Elk

Producing formation Alexander
Gas: Initial open flow 30 MCF / d Oil: Initial open flow 0 Bbl / d
Final open flow 1,555 MCF / d Oil: Final open flow show Bbl / d
Time of open flow between initial and final tests N/A Hours
Static rock pressure 1900 psig (surface pressure) after 96 Hours

3331' - 3384'
3390' - 3504'
3688' - 4412'
4454' - 4847'
4892' - 4903'
5079' - 5094'
5138' - 5224'

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 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: Jan Chapman
Date: May 6 1999

PRESIDENT

Dobb 4498

Scott #2 (47-017 - 4498)
Four Stage Foam Frac - Halliburton

1 st Stage:	Alexander (11 holes) (5159.75' to 5196') Elk (3 holes) (5092' to 5092.50')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 810 bbls foam.
2 nd Stage:	Benson (6 holes) (4895.75' to 4897') Third Riley (5 holes) (4831.75' to 4832.75') Second Riley (4 holes) (4729.5' to 4737')	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 616 bbls foam.
3 rd Stage:	Riley (10 holes) (4501.75' to 4517') Balltown (4 holes) (4394' to 4400.75')	60 Quality Foam. 750 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 742 bbls foam.
4 th Stage:	Balltown (2 holes) (3808.25' & 3808.50') Speechley (3 holes) (3490' to 3490.50') Warren (7 hole) (3360.25' to 3401.50')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 684 bbls foam.

WELL LOG

Fill	0	3	
Sand	3	11	
Red Rock	11	26	
Sand & Shale	26	93	1/2" H ₂ O @ 20'
Sand	93	127	
Sand & Shale	127	143	
Sand	143	254	
Red Rock & Shale	254	344	1/2" H ₂ O @ 175'
Sand & Shale	344	645	
Sand & Shale & Red Rock	645	1334	
Sand	1334	1365	
Sand & Shale	1365	1583	
Sand	1583	1706	
Shale	1706	1922	
Lime	1922	1958	
Big Lime	1958	2053	
Big Injur.	2053	2092	
Shale	2092	2256	
Weir	2256	2386	
Sand & Shale	2386	2654	
Gordon	2654	2682	
Shale & Sand	2682	3331	
Warren	3331	3384	
Shale	3384	3390	
Speechley	3390	3504	
Shale	3504	3688	
Balltown	3688	4412	
Shale	4412	4454	
Riley	4454	4530	
Shale	4530	4710	
Second Riley	4710	4742	
Shale	4742	4818	
Third Riley	4818	4847	
Shale	4847	4892	
Benson	4892	4903	
Shale	4903	5079	
Elk	5079	5094	
Shale	5094	5138	
Alexander	5138	5224	
Siltstone & Shale	5224	5376	
T.D.	5376		

Gas Checks

2511' - No Show
 3220' - 10/10^{ths} - 1/2" w/ H₂O
 3901' - 12/10^{ths} - 1/2" w/ H₂O
 4422' - 6/10^{ths} - 1/2" w/ H₂O
 4792' - 10/10^{ths} - 1/2" w/ H₂O
 5101' - 30/10^{ths} - 1/2" w/water