

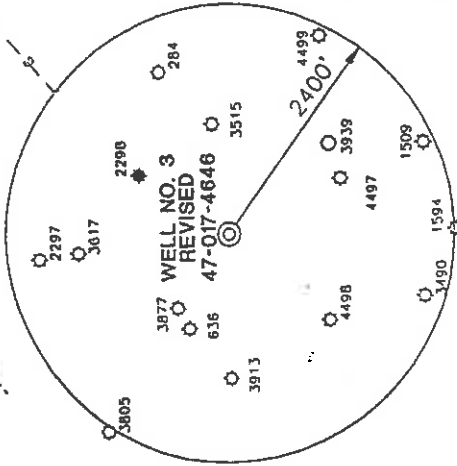
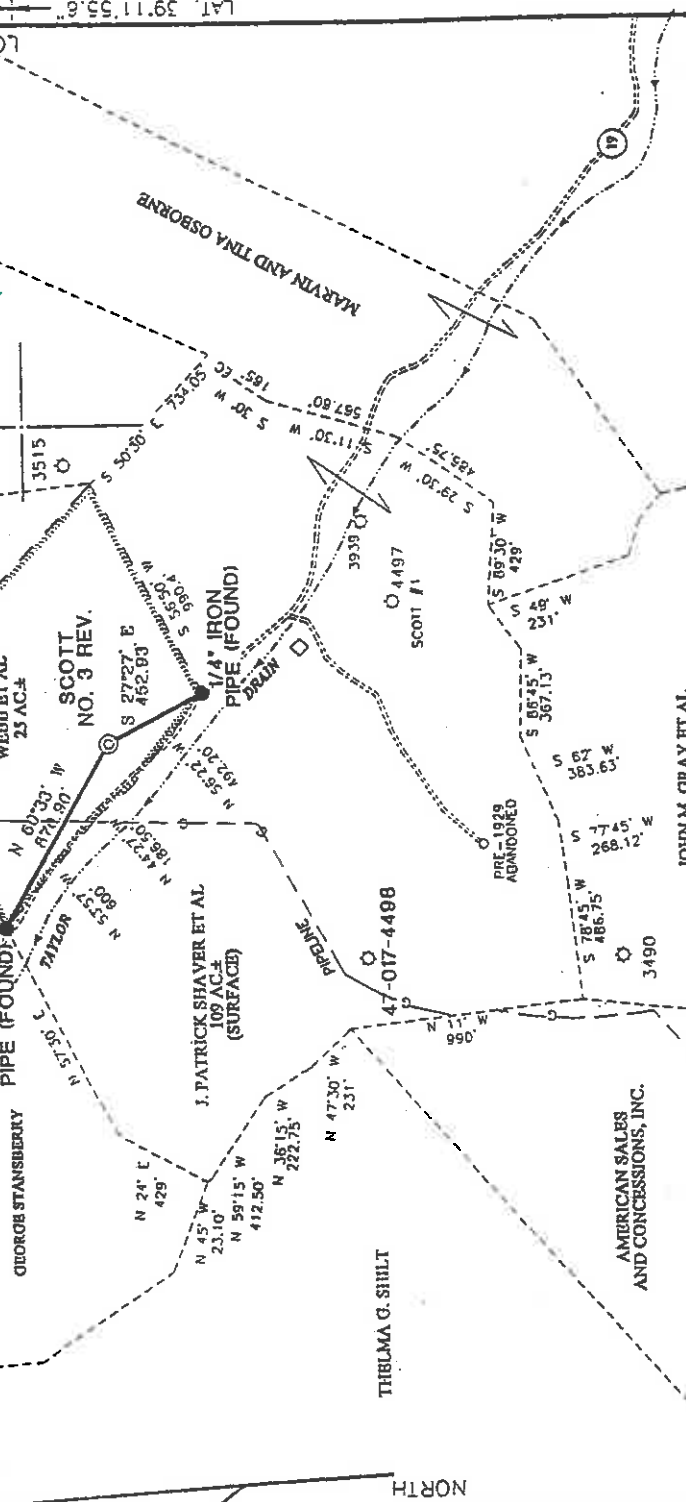
LONG. 80°50'53.0"

LATITUDE 39°12'30"

LONGITUDE 80°50'00"

LAT. 39°11'53.6"

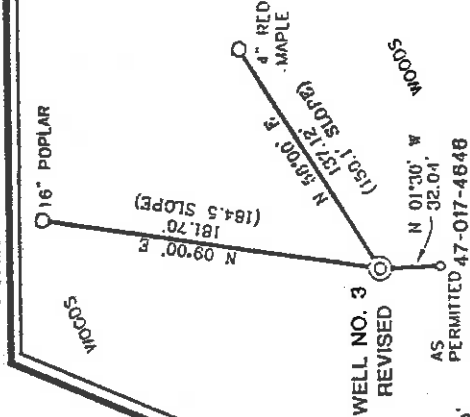
# SCOTT LEASE 25 ACRES ± WELL NO. 3 REV 47-017-4646



### NOTES ON SURVEY

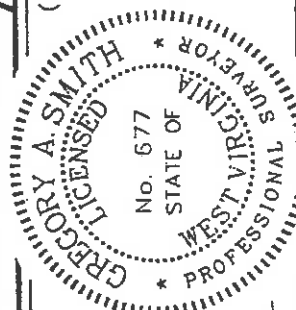
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27. MAGNETIC NORTH 11-14-01.
2. TIES TO REFERENCES ARE BASED ON FROM A TITLE OPINION DATED 09-25-01 AS PREPARED BY GARY MORRIS, LAWYER.
3. LEASE BOUNDARY SHOWN HEREON TAKEN 4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN DECEMBER, 1998.
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 DIVISION OF ENVIRONMENTAL PROTECTION.

P.S. *Gregory A. Smith*  
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE NOVEMBER 15 20 01  
OPERATORS WELL NO. SCOTT NO. 3 REVISED  
API WELL NO. 47-017-4646  
SCOTT NO. 3 REVISED  
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200  
FILE NO. 412IP3REV (114-29)  
SCALE 1" = 800'  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1209'

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

LOCATION : ELEVATION 974' WATERSHED TAYLOR DRAIN  
DISTRICT SOUTHWEST COUNTY DODDRIDGE

SURFACE OWNER RICHARD L. WEBB ET AL  
ROYALTY OWNER TYGART RESOURCES ET AL

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 JAH CHAPMAN  
ADDRESS 22 GARTON PLAZA WESTON, WV 26452



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

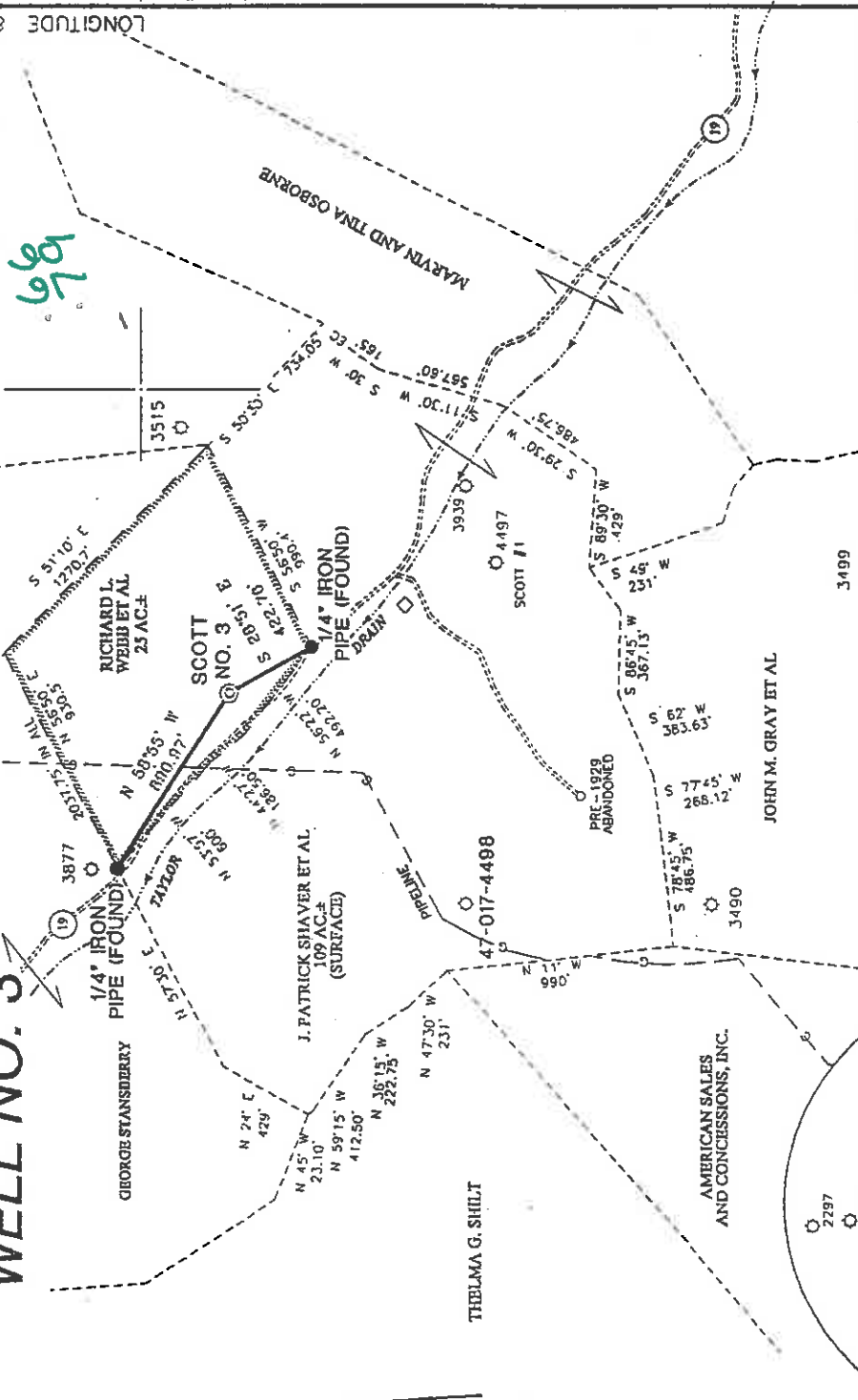
0000 COUNTY NAME 4646 Rev PERMIT

DEC 14 2001

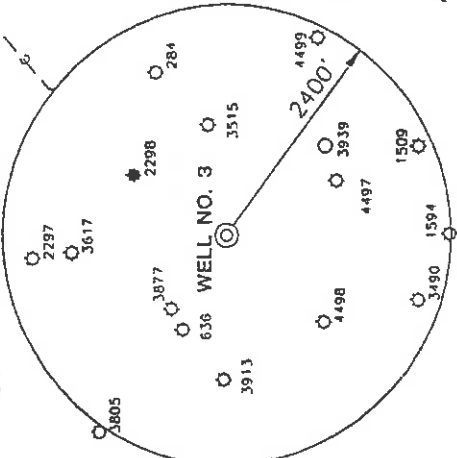
LONG. 80°50'53.0" LATITUDE 39°12'30"

LONGITUDE 80°50'00" LAT. 39°11'53.4" 3.480

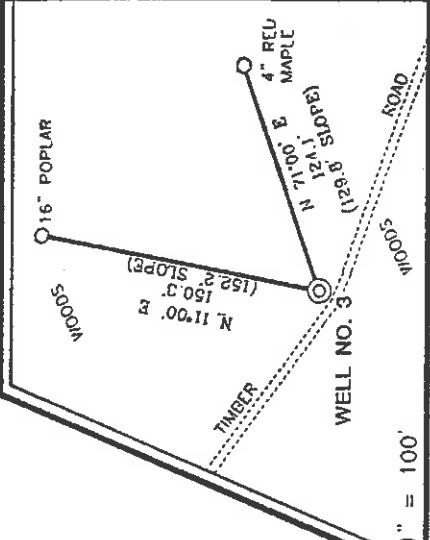
# SCOTT LEASE 25 ACRES ± WELL NO. 3



679



## REFERENCES



### NOTES ON SURVEY

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P.S. *Gregory A. Smith*  
677

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
DATE OCTOBER 3, 20 01  
OPERATORS WELL NO. SCOTT NO. 3  
API WELL NO. 47-17 COUNTY OXFORD PERMIT NO. 04646

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 412IP3M (114-9)  
PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEVATION 1209' SCALE 1" = 800'

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 979' WATERSHED TAYLOR DRAIN IF

DISTRICT SOUTHWEST COUNTY DODDRIDGE  
SURFACE OWNER RICHARD L. WEBB ET AL QUADRANGLE OXFORD 7.5'

ROYALTY OWNER TYGART RESOURCES ET AL ACREAGE 25  
LEASE NO. 25

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

COUNTY NAME DODD PERMIT 4646

6-6-133  
NOV 02 2001



12-1-01  
API# 47-17-04646

At

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

Well Operators Report of Well Work

Farm name: Richard L. Webb, et al Operator Well #: Scott #3

Location: Elevation: 979' Quadrangle: Oxford 7.5'

District: Southwest County: Doddridge

Latitude: 3456 feet south of 39 Deg. 12 Min. 30 Sec.  
Longitude: 4180 feet west of 80 Deg. 50 Min. 00 Sec.

Company: Key Oil Company  
22 Garton Plaza  
Weston, WV 26452

Agent: Jan Chapman

Used in  
Drilling

Left in  
Well

Cement  
Fill up

Inspector: Mike Underwood  
Permit Issued: 10-3-01  
Well Work Commenced: 11-7-01  
Well Work Completed: 11-12-01  
Verbal Plugging

Casing  
11-3/4  
8-5/8  
4-1/2

55 sks  
360 sks  
460 sks

Permission granted on:

Rotary Cable Rig

Total Depth (ft) 5170'

Fresh water depth (ft) 237

Salt water depth (ft) N/A

Is coal being mined in are (Y/N) N

Coal depths (ft) N/A

OPEN FLOW DATA

Producing formation Alexander/Elk

Gas: Initial open flow show mcf/d

Final open flow 1571 mcf/d

Time of open flow between initial and final tests

Static rock pressure 1675# psig (surface pressure) after

Pay zone depths (ft) 4974-5026

Initial open flow bbls/day

Final open flow bbls/day

Hours

Hours

Other producing formation Riley/Warren

Gas: Initial open flow \* mcf/day

Final open flow \* mcf/day

Time of open flow between initial and final tests

Static rock pressure psig (surface pressure) after

Pay zone depths (ft) 3833-4708

Initial open flow bbls/day

Final open flow bbls/day

Hours

Hours

\* = commingled zones

For: Key-Oil Company

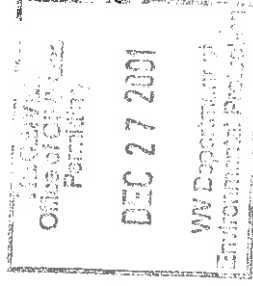
By:



Date: 12-1-01

D000 4646

DEC 27 2001



Scott #3  
API # 47-017-04646

Stage #1	perts	sand	
Alexander	4974-5026	600 sks	60 quality foam
Stage #2			
Benson/3 <sup>rd</sup> Riley	4643-4710	400 sks	60 quality foam
Stage #3			
Riley	3834-4321	400 sks	60 quality foam
Stage # 4			
Speechly Warren	3156-3704	500 sks	60 quality foam

Drillers Log

Electric Log Tops

KB/GL	0-10		
Fill	10-15		
Sd/Sh	15-20		
	20-28		
Sd/Sh	28-68		
Sh/RR	68-85		
Sd/Sh	85-204		
Sd	204-210		
Sd/Sh	210-240	water @ 237	
Shale	240-273		
Sd/Sh	273-366		
Sand	366-377		
Sd/RR	377-473		
Sand	473-483		
Sd	483-600		
RR	600-700		
Sand	700-750		
Sd/Sh	750-1060		
Sd/Sh	1060-1170		
RR	1170-1209		
Sd/Sh	1209-1272	oil @ 1215 - strong odor	
RR	1272-1427		
Sd/Sh	1427-1522		
RR	1522-1550		
Sd/Sh	1550-1810		
Big Lime	1810-1884		
Injun	1884-1945		
Sd/Sh	1945-3210		
Warren	3210-3250		
Sd/Sh	3250-3615		
Balltown	3615-3715		
Sd/Sh	3715-4320		
Sd/Sh	4320-5170		
TD	5170		