

LONG. 80°52'11.9"

10,350'

LATITUDE 39°17'30"

LONGITUDE 80°50'00"

LAT. 39°16'24.3"

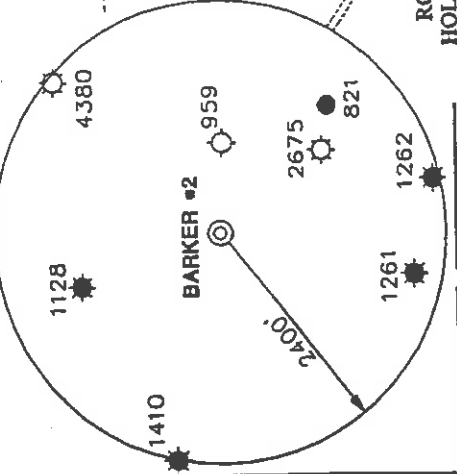
BARKER LEASE 22 OF 127 ACRES ± WELL NO. 2

1.97
1.97

DUCKWORTH

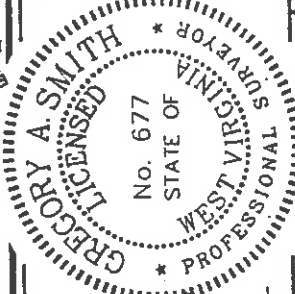
NOTES ON SURVEY

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 01/19/00.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A TITLE REPORT DATED 08/30/99 AS PREPARED BY RICHARD M. REDDECLIFF, ATTORNEY AT LAW.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN MAY, 2000.
5. WELL LAT./LONG. ESTABLISHED BY DGPS(SUBMETER MAPPING GRADE).



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. *Gregory A. Smith*
677



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

DATE JANUARY 25 20 00
OPERATORS WELL NO. BARKER #2
API WELL NO. 47-017-017-04553
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4292P2 (80-58)
SCALE 1" = 500'
PROVEN SOURCE OF ELEVATION BENCH MARK ELEVATION 941'

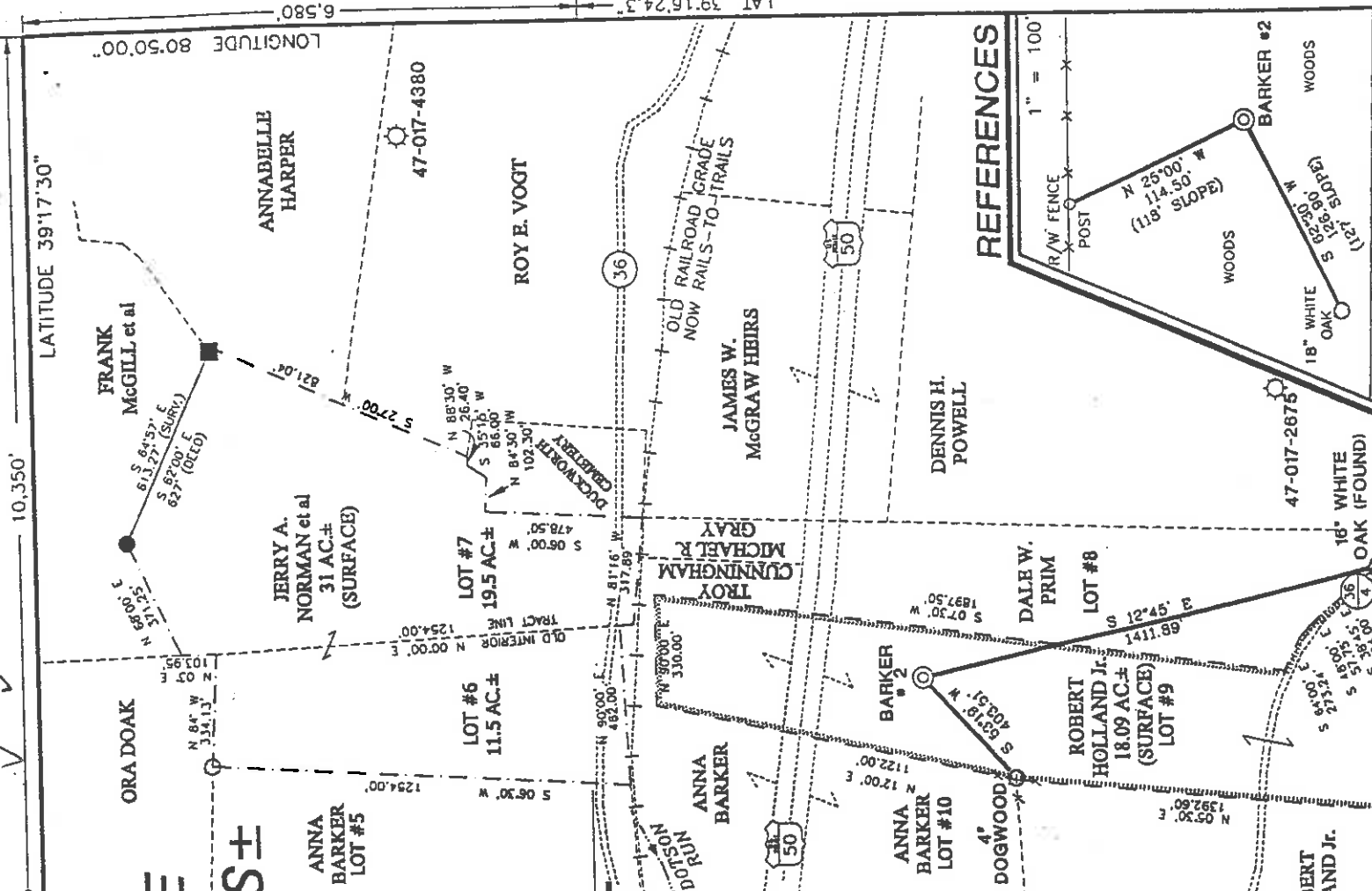
WELL TYPE : OIL GAS INJECTION WASTE LIQUID IF "GAS" PRODUCTION STORAGE DEEP SHALLOW

LOCATION : ELEVATION 1037' WATERSHED DOTSON RUN
DISTRICT CENTRAL COUNTY DODDRIDGE

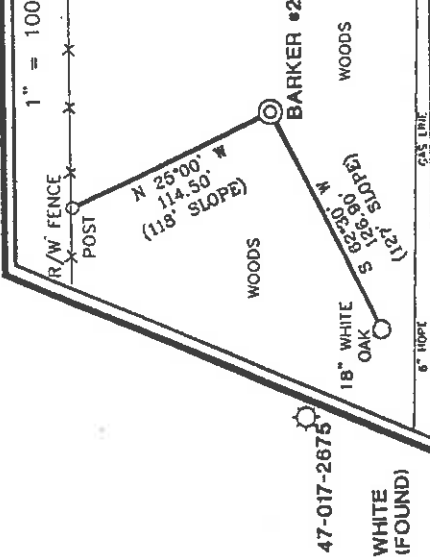
SURFACE OWNER ROBERT L. HOLLAND, JR.
ROYALTY OWNER ANNA BLANCHE BARKER et al

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) _____

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



REFERENCES

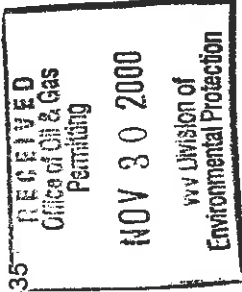


STATE OF WEST VIRGINIA
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS



COUNTY NAME PERMIT 45553

6-6-89 JUL 07 2000



State of West Virginia
Division of Environmental Protection
Section of Oil and Gas
Well Operator's Report of Well Work

[Signature]

Farm name: ROBERT L. HOLLAND, JR.

Operator Well No.: BARKER #2

LOCATION: Elevation: 1037.00

Quadrangle: WEST UNION

District: CENTRAL
Latitude: 6,580 Feet South of 39 Deg. 17 Min. 30 Sec.
Longitude: 10,350 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: 06/26/00
Well Work Commenced: 09/26/00
Well Work Completed: 09/30/00

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5398'
Fresh water depths (ft) 713'
Salt water depths (ft) None Reported

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	130.75'	130.75'	70 sks To Surface
8 5/8"	1927.75'	1927.75'	430 sks To Surface
4 1/2"	5284'	5284'	470 sks
2 3/8"	5189'	5189'	

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

OPEN FLOW DATA

Producing formation Alexander
Balltown
Rileys
Benson
Gas: Initial open flow no show MCF / d
Final open flow 1.524 MCF / d
Time of open flow between initial and final tests N/A
Pay zone depth (ft) 3778' - 4330'
Oil: Initial open flow 0 Bbl / d
Oil: Final open flow show Bbl / d
Static rock pressure 1750 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 _____
Pay zone depth (ft) _____
Oil: Initial open flow _____ Bbl / d
Oil: Final open flow _____ Bbl / d
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.

JAN 5 2001

For: KEY OIL COMPANY
By: *[Signature]*
Date: November 24, 2000

PRESIDENT

0000 4553

Barker #2 (47-017-4553)
Three Stage Foam Frac - B.J. Services

1 st Stage:	Alexander (15 holes) (5209' to 5235.25')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 810 blis foam.
2 nd Stage:	Benson (7 holes) (4922.25' to 4923.75') Third Riley (3 holes) (4869' to 4869.50') Second Riley (4 holes) (4767.75' to 4868.50')	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 616 blis foam.
3 rd Stage:	Riley (5 holes) (4526' to 4527') Balltown (12 holes) (3923.75' to 4316.25')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 684 blis foam.

WELL LOG

KB-GL	0	10	
Fill	10	14	
Sand & Shale	14	140	
Shale & Red Rock	140	286	
Sand	286	347	
Sand & Shale & Red Rock	347	890	
Sand & Shale	890	931	
Shale & Red Rock	931	961	
Sand & Shale	961	971	
Shale & Red Rock	971	997	
Sand & Shale	997	1956	
Little Lime	1956	1970	
Shale	1970	1980	
Big Lime	1980	2026	
Big Injun	2026	2104	
Sand & Shale	2104	2276	
Weir	2276	2404	
Sand & Shale	2404	2580	
Gordon	2580	2612	
Shale	2612	3338	
Warren	3338	3414	
Shale	3414	3428	
Speechley	3428	3548	
Shale	3548	3778	
Balltown	3778	4330	
Shale	4330	4486	
Riley	4486	4562	
Shale	4562	4757	
Second Riley	4757	4785	
Shale	4785	4844	
Third Riley	4844	4877	
Shale	4877	4918	
Benson	4918	4928	
Shale	4928	5186	
Alexander	5186	5246	
Sand & Shale	5246	5398	
T.D.	5398		

½" water @ 713'

Gas Checks

2239' - Odor
3316' - No Show
3628' - No Show
4502' - No Show
4899' - No Show

100% 2 MAIL