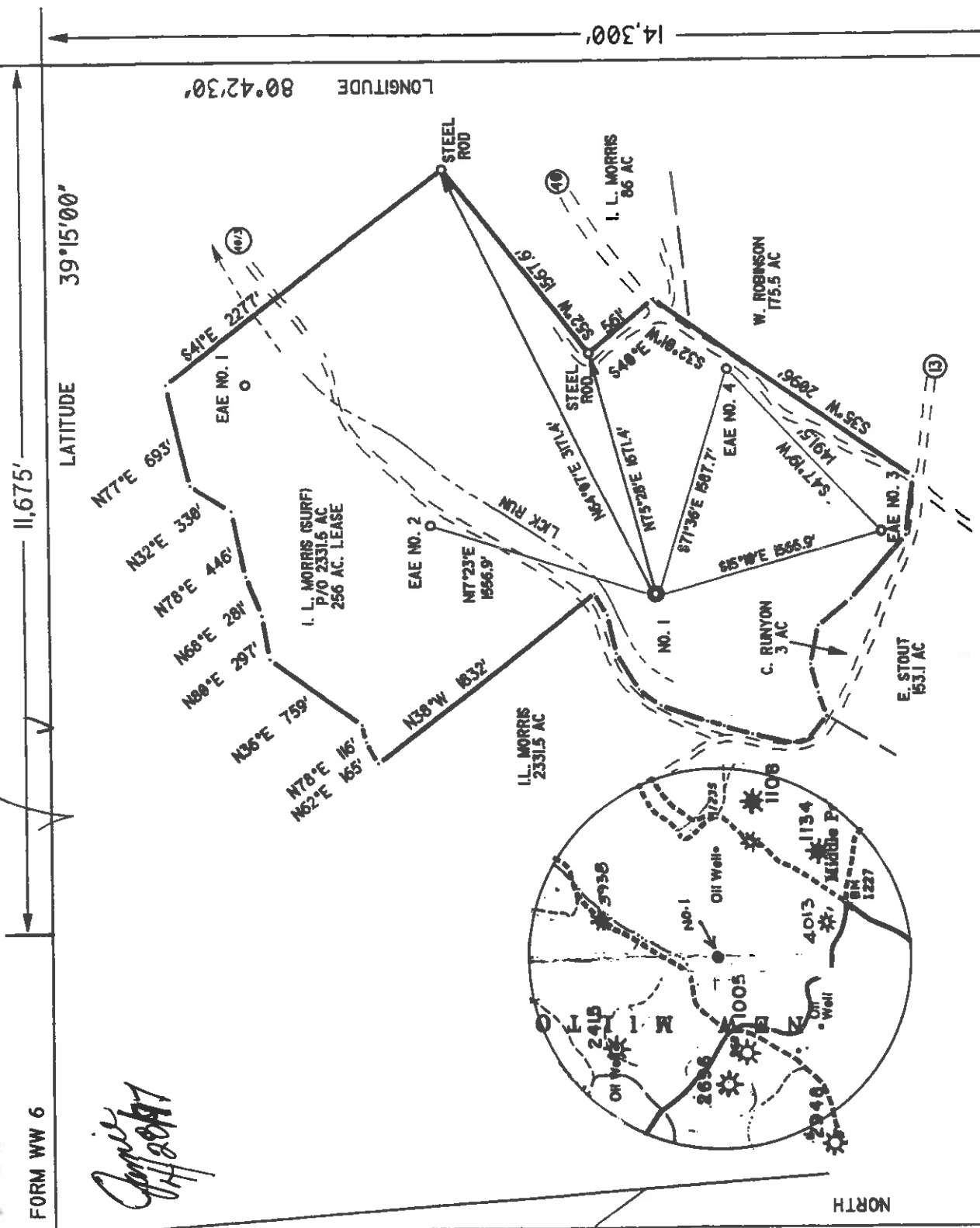
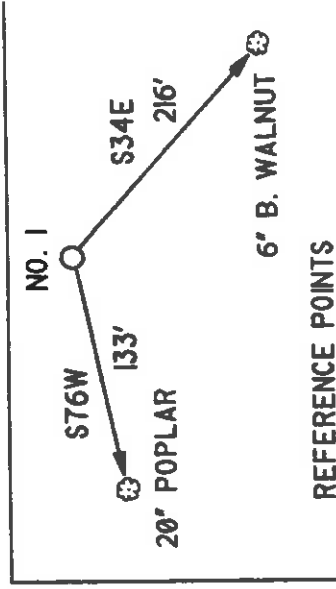


James H. Hughes
2/27/97

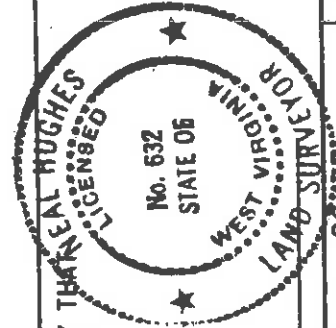


2.7295
2.720



REFERENCE POINTS

I THE UNDERSIGNED, DO 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.



(*) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

DATE FEBRUARY 13 19 97
OPERATORS WELL NO. P. MAXWELL 1
API WELL NO. 47 - 017-04359
STATE WEST VIRGINIA COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200 FILE NO. 90-33
PROVEN SOURCE OF ELEVATION NOB 1298' SCALE 1" = 1000'

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

LOCATION: ELEVATION 1068' WATERSHED LICK RUN
DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE NEW MILTON
SURFACE OWNER I. L. MORRIS ACREAGE 2331.5
ROYALTY OWNER PORTER MAXWELL HEIRS LEASE ACREAGE 256

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 8 1997
PHYSICAL CHANGE IN WELL (SPECIFY) ALEXANDER TARGET FORMATION 8 1997 ESTIMATED DEPTH 5600'

WELL OPERATOR KEY OIL COMPANY DESIGNATED AGENT JAN CHAPMAN
ADDRESS 22 GARTON PLAZA ADDRESS 22 GARTON PLAZA
WESTON WV 26452 COUNTY NAME WEST VIRGINIA PERMIT 6-6 134

RECEIVED
ENVIRONMENTAL PROTECTION
FEB 11 1998

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

Permitting
Office of Oil & Gas

Well Operator's Report of Well Work

Farm name: MORRIS, I.L.

Operator Well No. : P. MAXWELL #1

LOCATION: Elevation: 1,068.00

Quadrangle: NEW MILTON

District: NEW MILTON
Latitude: 14300 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude: 11675 Feet West of 80 Deg. 42 Min. 30 Sec.

County: DODDRIDGE

Company: KEY OIL COMPANY
22 Garton Plaza
WESTON, WV 26452-0000

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 04/15/97
Well Work Commenced: 07/13/97
Well Work Completed: 07/23/97

Verbal Plugging
Permission granted on: _____ Rig _____
Rotary X Cable _____
Total Depth (feet) _____ 5276'
Fresh water depths (ft) _____ 70'
Salt water depths (ft) _____ 337'

Is coal being mined in area (Y / N)? N
Coal Depths (ft): 1198 (3'), 1233 (5')
1312 (6')

OPEN FLOW DATA

Warren
Speechley
Balltown
Riley
Benson

3110' - 3161'
3172' - 3400'
3430' - 4204'
4298' - 4350'
4760' - 4772'
5004' - 5113'

Producing formation _____ Alexander
Gas: Initial open flow _____ show _____ MCF / d Oil: Initial open flow _____ Bbl / d
Final open flow 1,774 _____ MCF / d Oil: Final open flow _____ show _____ Bbl / d
Time of open flow between initial and final tests _____ N/A _____ Hours
Static rock pressure 1300 _____ 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:  PRESIDENT
Date: February 11, 1998

MAK U 6 1998

Casing & Tubing Size	Used in Drilling	Left in Well	Cement Fill Up Cu. Ft.
11 3/4"	120.75'	120.75'	70 sks To Surface
8 5/8"	1425.1'	1425.1'	410 sks To Surface
4 1/2"	5213'	5213'	510 sks
2 3/8"		4970'	

P. Maxwell #1 (47-017-04359)
 Four Stage Foam Frac - Halliburton

1st Stage: Alexander (10 holes) (5106' to 5046.50') 60 Quality Foam. 500 gal. 15% HCL.
 60,000# 20/40 sand, 550,000 SCF N2,
 809 bbis foam.

2nd Stage: Benson (10 holes) (4763' to 4765.25') 60 Quality Foam. 750 gal 15% HCL.
 40,000# 20/40 sand, 417,000 SCF N2,
 613 bbis foam.

3rd Stage: Riley (5 holes) (4324' to 4325') 60 Quality Foam. 1000 gal 15% HCL.
 Balltown (5 holes) (3851.5' to 3966.50') 5,000# 80/100 sand, 35,000# 20/40 sand,
 438,000 SCF N2, 644 bbis foam.

4th Stage: Speechley (9 holes) (3177.50' to 3268.50') 60 Quality Foam. 750 gal 15% HCL.
 Warren (2 holes) (3131.75' to 3132') 5,000# 80/100 sand, 45,000# 20/40 sand,
 502,000 SCF N2, 684 bbis foam.

WELL LOG

Fill	0	6	
Sand & Shale & Red Rock	6	150	Hole Damp @ 70'
Sand & Lime & Red Rock	150	672	Hole Damp @ 337'
Sand & Shale & Red Rock	672	1198	
Coal	1198	1201	
Sand & Shale	1201	1233	
Coal	1233	1238	
Sand & Shale	1238	1312	
Coal	1312	1318	
Sand & Shale	1318	1734	
Little Lime	1734	1749	
Sand & Shale	1749	1787	
Big Lime	1787	1850	
Big Injun	1850	1910	
Shale	1910	2056	
Weir	2056	2154	1767'
Sand & Shale	2154	2258	NO SHOW
Berea	2258	2260	2003'
Sand & Shale	2260	2486	2521'
Gordon	2486	2494	3016'
Sand & Shale	2494	3110	NO SHOW
Warren	3110	3161	3511'
Shale	3161	3172	4/10 th 1/2" w/water
Speechley	3172	3400	4225'
Shale	3400	3430	6/10 th 1/2" w/water
Balltown	3430	4204	4718'
Shale & Sand	4204	4298	8/10 th 1/2" w/water
Riley	4298	4350	4903'
Shale	4350	4760	5118'
Benson	4760	4772	8/10 th 1/2" w/water
Sand & Shale	4772	5004	TD
Alexander	5004	5113	8/10 th 1/2" w/water
Sand & Shale	5113	5276	Collars 4/10 th 1/2" w/water
T.D.	5276		

Gas Checks

1767' NO SHOW
 2003' NO SHOW
 2521' NO SHOW
 3016' NO SHOW
 3511' 4/10th 1/2" w/water
 4225' 6/10th 1/2" w/water
 4718' 8/10th 1/2" w/water
 4903' 8/10th 1/2" w/water
 5118' 8/10th 1/2" w/water
 TD 8/10th 1/2" w/water
 Collars 4/10th 1/2" w/water

STATE OF WEST VIRGINIA
 DIVISION OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
 WELL WORK PERMIT APPLICATION

- 1) Well Operator: KEY OIL COMPANY → 5655 (6) 5" Elevation: 1068'
- 2) Operator's Well Number: PORTER MAXWELL #1 3) Elevation: 1068'
- 4) Well type: (a) Oil X / or Gas X / Issued 04/15/97
 (b) If Gas: Production X / Underground Storage 1
 Deep 1 / Shallow X / Expired 04/15/99
- Proposed Target Formation(s): ALEXANDER
- Proposed Total Depth: 5600 feet
- Approximate fresh water strata depths: 100'
- Approximate salt water depths: -0- Permitting Office of Oil & Gas
- 9) Approximate coal seam depths: NONE REPORTED
- 10) Does land contain coal seams tributary to active mine? Yes 1 / No X /
- 11) Proposed Well Work: DRILL, STIMULATE, PRODUCE Test Well.
- 12)

23429

CASING AND TUBING PROGRAM

TYPE	SPECIFICATIONS	FOOTAGE INTERVALS	CEMENT			
	Size	Grade	Weight per ft. drilling	Left in well	Fill-up (cu. ft.)	
Conductor	11 3/4	ERW	42	40	0	3058 ft. 3
Fresh Water	8 5/8	ERW	23	1068	1068	290 SKS. TO SURFACE
Coal						3058 ft. 2
Intermediate						
Production	4 1/2	J-55	10.5	5400	5400	460 SKS.
Tubing	1.5					3058 ft. 1
Liners						

PACKERS : Kind _____
 Sizes _____
 Depths set _____

For Office of Oil and Gas Use Only

Fee(s) paid: 3058 well work permit 3058 Reclamation Fund 3058 WPC2
 Plat 3058 WW-9 3058 Bond 3058 Agent 3058
 (Type)

1) Date: APRIL 5, 1997
2) Operator's well number PORTER MAXWELL #1
3) API Well No: 47-017 - 4359
State County Permit

STATE OF WEST VIRGINIA - BUREAU OF ENVIRONMENT
DIVISION OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

NOTICE AND APPLICATION FOR A WELL WORK PERMIT

- 4) Surface Owner(s) to be served: 5) (a) Coal Operator:
 (a) Name I. L. MORRIS Name NONE
 Address P. O. BOX 397 Address
GLENVILLE, WV 26351
 (b) Name (b) Coal Owner(s) with Declaration
 Address Name
 Address
 (c) Name Name
 Address Address
- 6) Inspector MIKE UNDERWOOD (c) Coal Lessee with Declaration
 Address RT. 2 BOX 135 Name
SALEM, WV 26426 Address
 Telephone (304) - 782-1043

TO THE PERSON(S) NAMED ABOVE TAKE NOTICE THAT:

Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil and gas OR
 Included is the information required by Chapter 22, Article 6, Section 8(d) of the Code of West Virginia (see page 2)

I certify that as required under Chapter 22 of the West Virginia Code I have served copies of this notice and application, a location plat, and accompanying documents pages 1 through on the above named parties, by:

- Personal Service (Affidavit attached)
- Certified Mail (Postmarked postal receipt attached)
- Publication (Notice of Publication attached)

I have read and understand Chapter 22-6 and 38 CSR 11-18, and I agree to the terms and conditions of any permit issued under this application.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete.

I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

Well Operator KEY OIL COMPANY
 By: *Karen Cook*
 Its: PRESIDENT
 Address 22 GARTON PLAZA
WESTON, WV 26452
 Telephone 304-269-7102

Subscribed and sworn before me this 7TH day of APRIL 19 97

My commission expires *Karen Cook* MARCH 24, 2003

