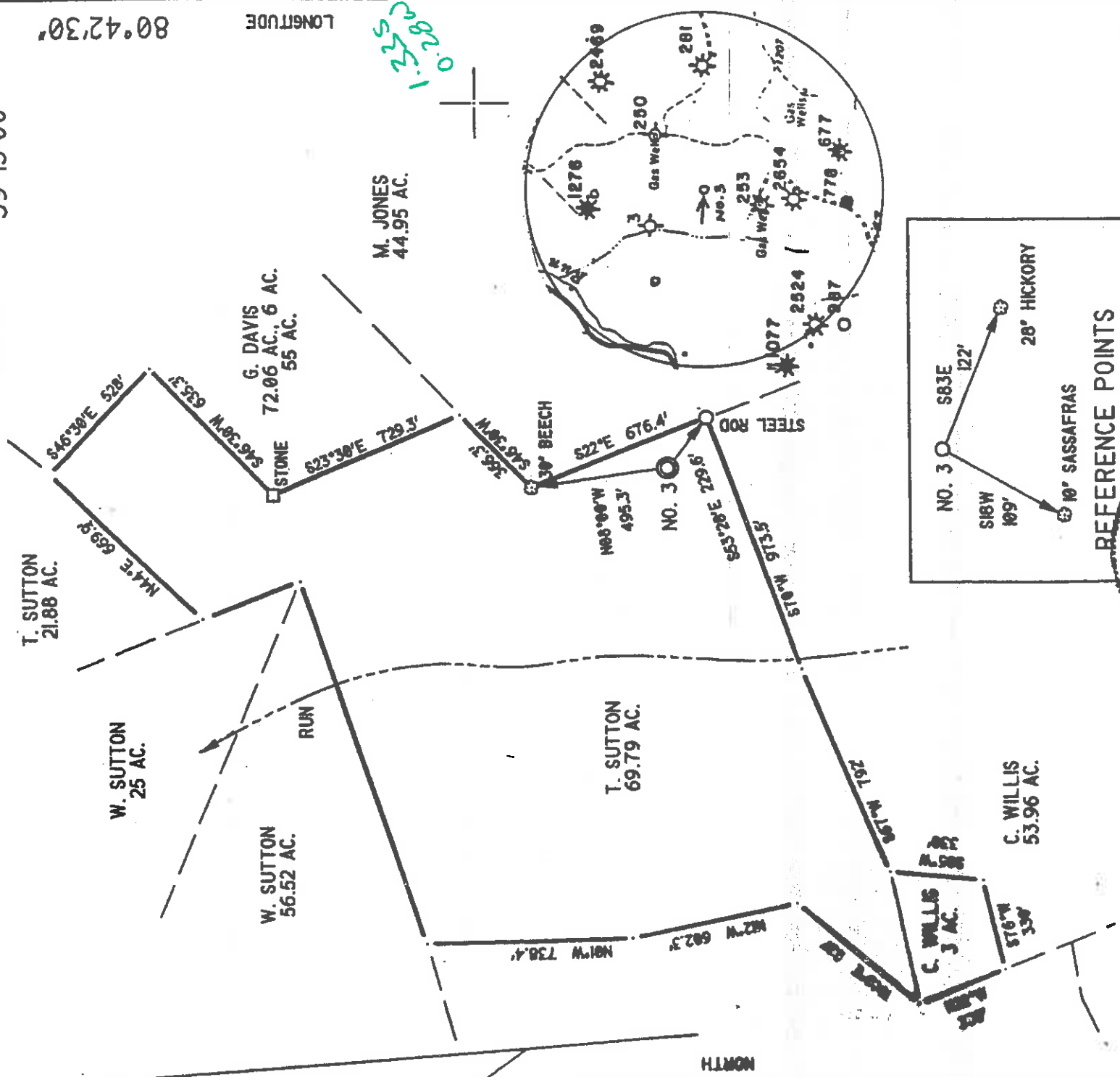


1,500' 7,200'

LATITUDE 39°15'00"

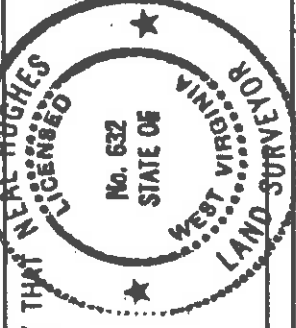
LONGITUDE 80°42'30"



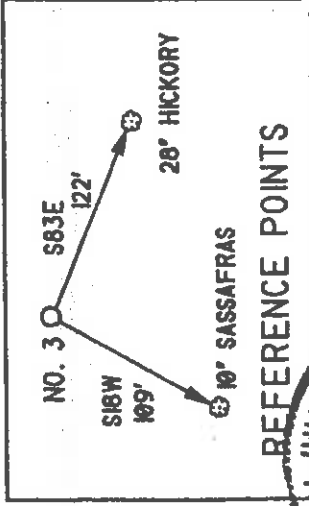
1.335
0.280

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.

L.L.S. *Neal Hughes*
632



REFERENCE POINTS



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

DATE FEBRUARY 10, 19 97
OPERATORS WELL NO. SUTTON 3

API WELL NO. 47-017-04433
STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1/200
PROVEN SOURCE OF ELEVATION KNOB 1246'
SCALE 1" = 500'

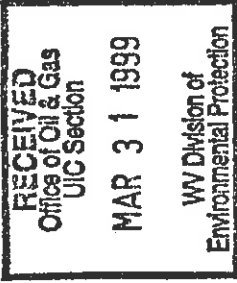
STATE OF WEST VIRGINIA
DEPARTMENT OF ENERGY
OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION WASTE DISPOSAL IF 'GAS' PRODUCTION STORAGE DEEP SHALLOW
 LOCATION: ELEVATION 1146' WATERSHED LICK RUN
 DISTRICT NEW MILTON COUNTY DODDRIDGE QUADRANGLE NEW MILTON
 SURFACE OWNER THOMAS W. AND BEVERLY SUTTON ACREAGE 69.79
 ROYALTY OWNER THOMAS W. AND BEVERLY SUTTON LEASE ACREAGE 69.79
 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
 COUNTY NAME PERMIT ESTIMATED DEPTH 5600' 6-6-134

Dodd 4433

WELL OPERATOR KEY OIL COMPANY 22 GARTON PLAZA WESTON WV 26450
 DESIGNATED AGENT JAN CHAPMAN 22 GARTON PLAZA WESTON WV 26450
 ADDRESS 22 GARTON PLAZA WESTON WV 26450

WR-35



15 - May - 98
API # 47 - 17-4433

Reviewed 18

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

Well Operator's Report of Well Work

Farm name: SUTTON, THOMAS W.

Operator Well No.: SUTTON #3

LOCATION: Elevation: 1,146.00

Quadrangle: NEW MILTON

District: NEW MILTON

County: DODDRIDGE

Latitude: 7200 Feet South of 39 Deg. 15 Min. 00 Sec.

Longitude: 1500 Feet West of 80 Deg. 42 Min. 30 Sec.

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

Agent: JANE E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 05/15/98
Well Work Commenced: 07/16/98
Well Work Completed: 07/20/98

Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5544'
Fresh water depths (ft) 150'
Salt water depths (ft) NONE

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

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
8 5/8"	1050.10'	1050.10'	320 sks To Surface
4 1/2"	5420'	5420'	500 sks
2 3/8"		5291'	

OPEN FLOW DATA

Warren
Speechley
Balltown
Rileys
Benson
Elk

Producing formation: Alexander
Gas: Initial open flow 84 MCF / d
Final open flow 1,563 MCF / d
Time of open flow between initial and final tests: N/A
Static rock pressure 1700 psig (surface pressure) after 96 Hours

Pay zone depth (ft) 5291' - 5373'
Oil: Initial open flow 0 Bbl / d
Oil: Final open flow show Bbl / d

3349' - 3376'
3391' - 3610'
3632' - 4282'
4498' - 4950'
5015' - 5030'
5130' - 5174'

Second producing formation: Commingled
Gas: Initial open flow MCF / d
Final open flow MCF / d
Time of open flow between initial and final tests: _____
Static rock pressure _____ psig (surface pressure) after _____ Hours

Pay zone depth (ft) _____
Oil: Initial open flow _____ Bbl / d
Oil: Final open flow _____ Bbl / d

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: Jane Chapman
Date: March 24, 1999

APR 12 1999
PRESIDENT

Dodd 4433

Sutton #3 (47-017-4433)
Four Stage Foam Frac - Halliburton

1 st Stage:	Alexander (13 holes) (5311' to 5370.25') Elk (3 holes) (5148' to 5157.50')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 813 bbis foam.
2 nd Stage:	Benson (7 holes) (5020.25' to 5021.75') Third Riley (5 holes) (4896' to 4932.50')	60 Quality Foam. 1,000 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 618 bbis foam.
3 rd Stage:	Riley (10 holes) (4505.25' to 4543.25') Balltown (2 holes) (4276.75' to 4277')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 743 bbis foam.
4 th Stage:	Speechley (13 holes) (3402.75' to 3477.75') Warren (3 hole) (3366.25' to 3366.75')	60 Quality Foam. 750 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 654 bbis foam.

Fill & Clay	0	16	
Red Rock	16	28	
Sand & Shale	28	75	
Red Rock & Sand & Shale	75	104	
Sand & Shale	104	228	
Sand & Shale & Red Rock	228	434	
Sand & Shale	434	654	
Sand & Shale & Red Rock	654	1454	1/4" water @ 150'
Sand & Shale	1454	1860	
Maxton	1860	1900	
Sand & Shale	1900	1950	
Little Lime	1950	1968	
Blue Monday	1968	1978	
Big Lime	1978	2044	
Big Inun	2044	2134	
Sand & Shale	2134	2270	
Weir	2270	2386	
Sand & Shale	2386	2484	
Berea	2484	2495	
Shale	2495	2692	
Gordon	2692	2708	
Sand & Shale	2708	3349	
Warren	3349	3376	
Shale	3376	3391	
Speechley	3391	3610	
Sand & Shale	3610	3632	
Balltown	3632	4282	
Shale	4282	4498	
Riley	4498	4576	
Sand & Shale	4576	4753	
Second Riley	4753	4844	
Shale	4844	4890	
Third Riley	4890	4950	
Shale	4950	5015	
Benson	5015	5030	
Sand & Shale	5030	5130	
Elk	5130	5174	
Sand & Shale	5174	5291	
Alexander	5291	5373	
Sand & Shale	5373	5544	
TD	5544		

Gas Checks
1950' - No Show
2507' - 6/10-2" w/H²O
3034' - 8/10-2" w/H²O
3530' - 6/10-2" w/H²O
4422' - 6/10-2" w/H²O
4917' - 6/10-2" w/H²O
5225' - 6/10-2" w/H²O
Collars - 4/10-2" w/H²O