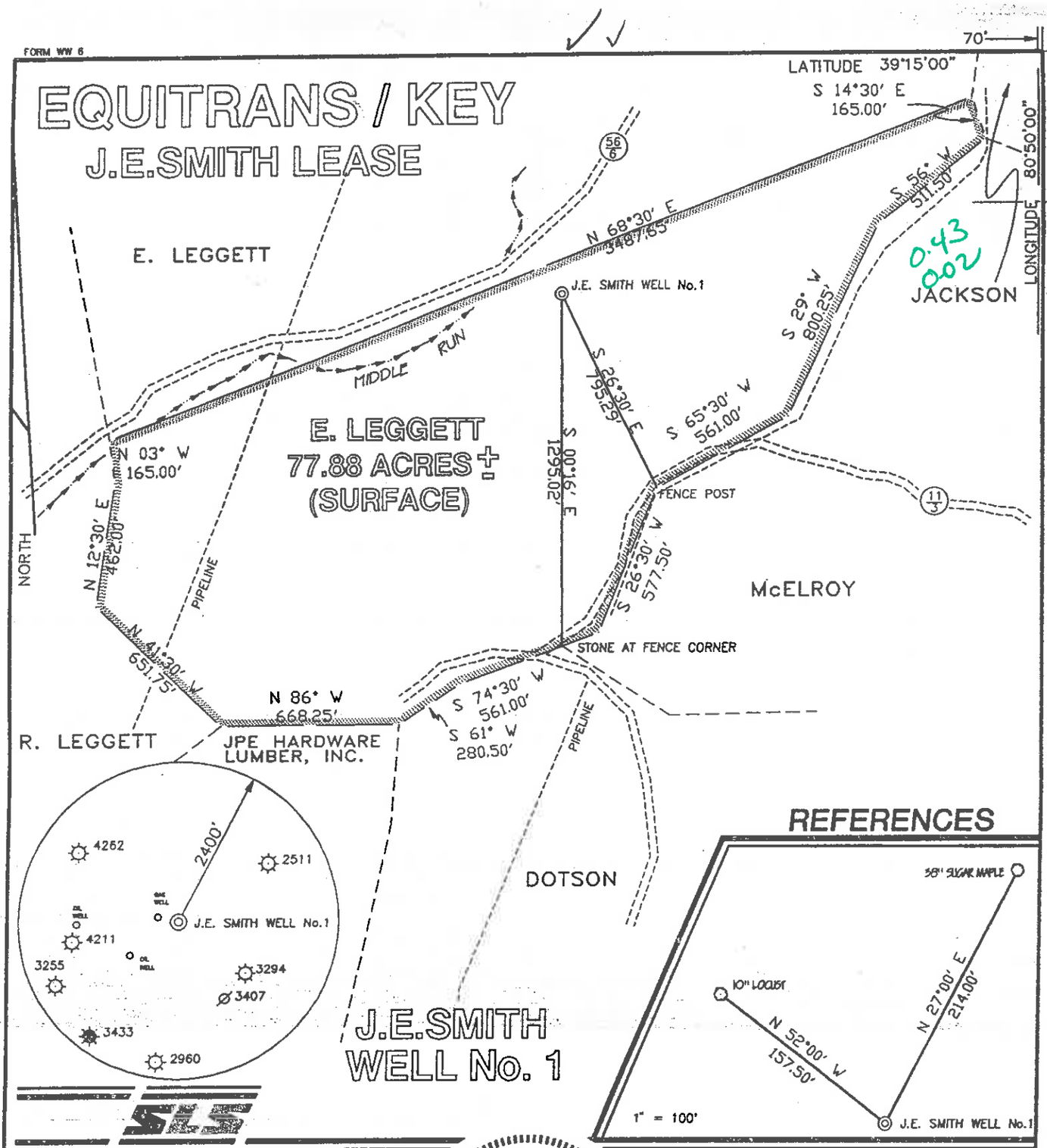
FORM WW 6

EQUITRANS / KEY

J.E.SMITH LEASE



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

GREGORY A. SMITH LICENSED No. 677 STATE OF WEST VIRGINIA PROFESSIONAL SURVEYOR

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

DATE JULY, 27, 19 1998

OPERATORS WELL NO. J.E. SMITH No.1

API WELL NO. 47 (STATE) – 017 (COUNTY) – 04453 (PERMIT)

MINIMUM DEGREE OF ACCURACY 1 / 200

PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS 928'

FILE NO. 4015P1 (59-79)

SCALE 1" = 500'

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

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

LOCATION :
ELEVATION 1042' WATERSHED MIDDLE RUN OF ARNOLDS CREEK
DISTRICT WEST UNION COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'
SURFACE OWNER ELWIN LEGGETT ACREAGE 77.88
ROYALTY OWNER JAMES F. SCOTT ET AL LEASE ACREAGE 80
PROPOSED WORK : LEASE NO. EQT. NO. 11355
DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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'

COUNTY NAME D000

PERMIT 04453

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

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04 – Aug - 98

API # 47 – 17 - 4453

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

Well Operator's Report of Well Work

Farm name: LEGGETT, ELWIN E. Operator Well No.: J.E. Smith #1

LOCATION: Elevation: 1,042.00 Quadrangle: Oxford

District: WEST UNION County: DODDRIDGE
Latitude: 2260 Feet South of 39 Deg. 15 Min. 0 Sec.
Longitude: 70 Feet West of 80 Deg. 50 Min. 0 Sec.

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

Agent: JAN E. CHAPMAN

Inspector: SAM HERSMAN
Permit Issued: 08/04/98
Well Work Commenced: 08/06/98
Well Work Completed: 08//11/98
Verbal Plugging
Permission granted on:
Rotary X Cable Rig
Total Depth (feet) 5419'
Fresh water depths (ft) 25', 220'
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 ¾"	123'	123'	70 sks To Surface
8 5/8"	1991.20'	1991.20'	585 sks To Surface
4 ½"	5333'	5333'	380 sks
2 3/8"		5178'	

OPEN FLOW DATA

Balltown 3723' - 4418'
Riley 4472' - 4556"
Benson 4918' - 4932'

Producing formation Alexander Pay zone depth (ft) 5168' – 5261'
Gas: Initial open flow 60 MCF / d Oil: Initial open flow 0 Bbl / d
Final open flow 1,578 MCF / d Oil: Final open flow show Bbl / d
Time of open flow between initial and final tests N/A Hours
Static rock pressure 1750 psig (surface pressure) after 96 Hours

Second producing formation Commingled Pay zone depth (ft)
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: Jan Chapman PRESIDENT
Date: August 21, 1998

Dodd 4453

AUG 31 1998

J.E. Smith #1 (47-017-4453)
Four Stage Foam Frac - Halliburton

1st Stage:	Alexander (13 holes) (5198.25' to 5244.25')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 811 bbls foam.
2nd Stage:	Benson (12 holes) (4926.25' to 4928')	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 616 bbls foam.
3rd Stage:	Riley (7 holes) (4499.75' to 4518.50') Balltown (6 holes) (4275' to 4410.50)	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 743 bbls foam.
4th Stage:	Balltown (12 holes) (3751.75' to 4111.75')	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	4	
Clay	4	21	
Sand & Shale & Red Rock	21	132	¼" H^2O @ 25'
Sand	132	164	
Shale & Sand & Red Rock	164	321	¼" H^2O @ 220'
Sand	321	404	
Sand & Shale & Red Rock	404	652	
Lime	652	659	
Sand & Shale	659	970	
Red Rock	970	1030	
Sand & Shale & Red Rock	1030	1290	
Sand & Shale	1290	1460	Oil Odor – 1329'
Sand	1460	1562	
Sand & Shale	1562	1809	
Maxton	1809	1864	
Sand & Shale	1864	1920	
Little Lime	1920	1934	Oil Odor – 1954'
Sand & Shale & Lime	1934	1946	
Big Lime	1946	2012	
Big Injun	2012	2095	**Gas Checks**
Shale	2095	2250	2104' – No Show
Weir	2250	2376	2536' – No Show
Sand & Shale	2376	2448	3007' – No Show
Berea	2448	2453	3835' – No Show
Shale	2453	2644	4575' - 6/10ths -1" w/H^2O
Gordon	2644	2688	4916' - 6/10ths –1" w/H^2O
Sand & Shale	2688	3310	5196' - 2/10ths –2" w/H^2O
Warren	3310	3374	TD - 2/10ths –2" w/H^2O
Sand & Shale	3374	3386	
Speechley	3386	3500	
Shale	3500	3723	
Balltown	3723	4418	
Shale	4418	4472	
Riley	4472	4556	
Sand & Shale	4556	4918	
Benson	4918	4932	
Shale	4932	5168	
Alexander	5168	5261	
Sand & Shale	5261	5419	
T.D.	5419		