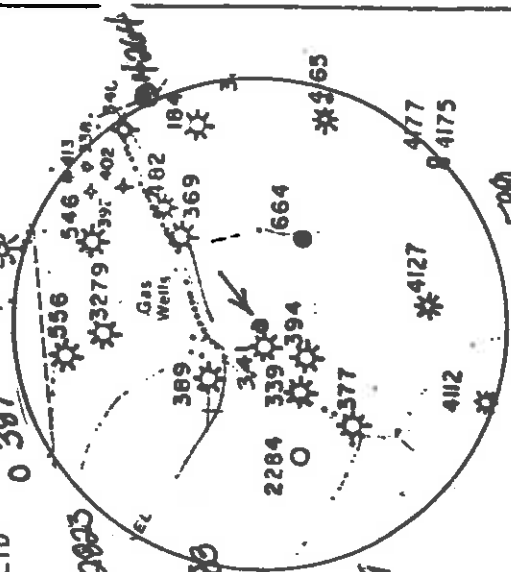
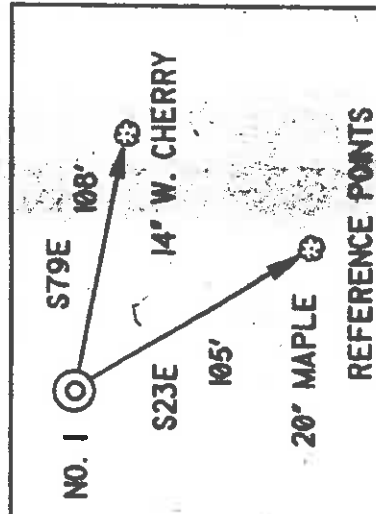
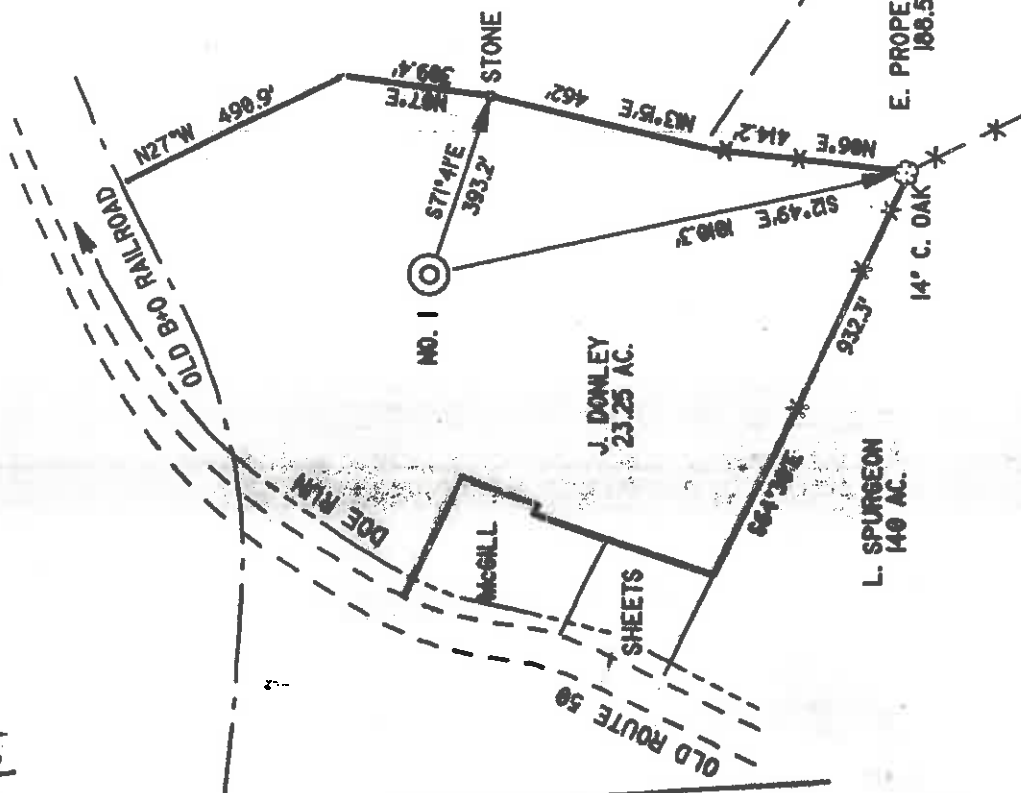


LATITUDE 39°17'30"

LONGITUDE 80°45'00"

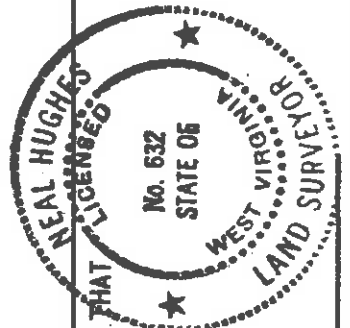
20.000
0.103
0.000

James D. ...



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



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

DATE NOVEMBER 23, 19 96
 OPERATORS WELL NO. DILLY 1

API WELL NO. 47-017-04389
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY	1/200	FILE NO.	96-93	STATE OF WEST VIRGINIA	
PROVEN SOURCE OF ELEVATION	RAILROAD BRIDGE BM 866'	SCALE	1" = 400'	DEPARTMENT OF ENERGY	
WELL TYPE:	OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> LIQUID WASTE INJECTION <input type="checkbox"/> DISPOSAL <input type="checkbox"/>	'GAS' PRODUCTION	<input checked="" type="checkbox"/> STORAGE <input type="checkbox"/> DEEP <input type="checkbox"/> SHALLOW <input type="checkbox"/>	OIL AND GAS DIVISION	
LOCATION ELEVATION	1010'	WATERSHED	DOE RUN		
DISTRICT	WEST UNION	COUNTY	DODDRIDGE	QUADRANGLE	WEST UNION
SURFACE OWNER	JAMES DONLEY			ACREAGE	23.25
ROYALTY OWNER	TEDDY DILLY, ET AL			LEASE ACREAGE	23.25
PROPOSED WORK:	DRILL <input checked="" type="checkbox"/> CONVERT <input type="checkbox"/> DRILL DEEPER <input type="checkbox"/> REDRILL <input type="checkbox"/> FRACTURE OR STIMULATE <input checked="" type="checkbox"/> PLUG OFF OLD FORMATION <input type="checkbox"/> PERFORATE NEW FORMATION <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> CLEAN OUT AND REPLUG <input type="checkbox"/> OTHER <input type="checkbox"/>	TARGET FORMATION	ALEXANDER	ESTIMATED DEPTH	5600'
PHYSICAL CHANGE IN WELL (SPECIFY)					
WELL OPERATOR	KEY OIL COMPANY	DESIGNATED AGENT	JAN CHAPMAN	DATE	DEC 13 1996
ADDRESS	22 GARTON PLAZA	ADDRESS	22 GARTON PLAZA	COUNTY NAME	WESTON, WV 26452
	WESTON, WV 26452		WESTON, WV 26452	PERMIT	

State of West Virginia
Division of Environmental Protection
Section of Oil and Gas**RECEIVED**
WV Division of
Environmental Protection

MAY 2 1997

Well Operator's Report of Well Work

Farm name: DONLEY, JAMES S. Operator Well No.: DILLY #1

LOCATION: Elevation: 1,010.00 Quadrangle: WEST UNION

Permitting
Office of Oil & Gas

County: DODDRIDGE

District: WEST UNION

Latitude: 500 Feet South of 39 Deg. 17 Min. 30 Sec.

Longitude: 10900 Feet West of 80 Deg. 45 Min. 0 Sec.

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 12/13/96
Well Work Commenced: 1/1/97
Well Work Completed: 1/14/97Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5424'
Fresh water depths (ft) 20', 343'
Salt water depths (ft) NONEIs coal being mined in area (Y / N) ? N
Coal Depths (ft) : None ReportedOPEN FLOW DATA
Warren
Speechley
Balltown
Riley
BensonProducing formation Alexander
Gas: Initial open flow 15 MCF / d
Final open flow 1,704 MCF / d
Time of open flow between initial and final tests N/A
Static rock pressure 1600 psig (surface pressure) after 96 Hours3247' - 3306'
3318' - 3420'
3620' - 4366'
4417' - 4498'
4881' - 4892'
5122' - 5214'Pay zone depth (ft)
Oil: Initial open flow 0 Bbl / d
Oil: Final open flow show Bbl / d
Hours
HoursSecond producing formation Commingled
Gas: Initial open flow _____ MCF / d
Final open flow _____ MCF / d
Time of open flow between initial and final tests _____ Hours
Static rock pressure _____ psig (surface pressure) after _____ HoursPay zone depth (ft)
Oil: Initial open flow _____ Bbl / d
Oil: Final open flow _____ Bbl / d
Hours
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: 4-22-97

MAY 9 1997

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
11 3/4"			
8 5/8"	1020.5	1020.5	270 sks To Surface
4 1/2"	5340	5340	380 sks
2 3/8"		5139	

Dilly #1 (47-017-04329)
 Four Stage Foam Frac - Halliburton

1st Stage: Alexander (14 holes) (5141' - 5195.25') 60 Quality Foam. 500 gal. 15% HCL.
 60,000# 20/40 sand, 550,000 SCF N2,
 810 bbis foam.

2nd Stage: Benson (10 holes) (4886' - 4888.25') 60 Quality Foam. 750 gal 15% HCL.
 40,000# 20/40 sand, 417,000 SCF N2,
 615 bbis foam.

3rd Stage: Riley (9 holes) (4445.75' - 4478') 60 Quality Foam. 1000 gal 15% HCL.
 Balltown (3 holes) (3800' - 3800.5') 10,000# 80/100 sand, 35,000# 20/40 sand,
 438,000 SCF N2, 646 bbis foam.

4th Stage: Speecheley (3 holes) (3409' - 3409.5') 60 Quality Foam, 1,000 gal 15% HCL.
 Warren (8 holes) (3280.25' - 3298.5') 5,000# 80/100 sand, 35,000# 20/40 sand,
 390,000 SCF N2, 589 bbis foam.

WELL LOG

Fill	0	16		
Shale	16	20	½" H ₂ O @ 20'	
Shale & Red Rock	20	263		
Sand & Shale	263	280		
Sand	280	300		
Sand & Shale & Red Rock	300	1013	½" H ₂ O @ 343'	
Sand & Shale	1013	1274		
Sand	1274	1405		
Sand & Shale	1405	1818		
Little Lime	1818	1864		
Shale	1864	1872		
Big Lime	1872	1962		
Big Injun	1962	2030		
Shale	2030	2182		
Weir	2182	2286		
Shale	2286	2380		
Berea	2380	2393		
Sand & Shale	2393	2597		
Gordon	2597	2635		
Shale	2635	3247		
Warren	3247	3306		
Shale	3306	3318		
Speecheley	3318	3420		
Shale	3420	3620		
Balltown	3620	4366		
Shale & Sand	4366	4417		
Riley	4417	4498		
Shale	4498	4881		
Benson	4881	4892		
Sand & Shale	4892	5122		
Alexander	5122	5214		
Shale	5214	5424		
T.D.	5424			

Gas Checks

1910 NO SHOW
 2512 Show
 3075 4/10ths ½" w/H₂O
 3827 2/10ths ½" w/H₂O
 4413 2/10ths ½" w/H₂O
 4847 1/10ths 1" w/H₂O
 5128 1/10ths 1" w/H₂O
 TD 2/10ths 1" w/H₂O

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

1) Well Operator: KEY OIL COMPANY 25655 (8) 671
Operator's Well Number: DILLY #1 3) Elevation: 1010'

Well type: (a) Oil X / or Gas X / Issued 12/13/96
(b) If Gas: Production X / Underground Storage Shallow / Deep 439 / Expires 12/13/98

Proposed Target Formation(s): ALEXANDER **RECEIVED**
WV Division of Environmental Protection

Proposed Total Depth: 5600 feet
Approximate fresh water strata depths: 80' DEC 02 1996

Approximate salt water depths: -0- Permitting
Office of Oil & Gas

Approximate coal seam depths: N/A

Does land contain coal seams tributary to active mine? Yes 1 No X
Proposed Well Work: DRILL, STIMULATE, PRODUCE Permitted

12)

CASING AND TUBING PROGRAM

TYPE	SIZE	GRADE	WEIGHT PER FT.	FOR DRILLING	LEFT IN WELL	FILL-UP (cu. ft.)	CEMENT
Conductor	11 3/4	ERW	42	40	0	38058/113	
Fresh Water	8 5/8	ERW	23	1010	1010	275 SKS. TO SURFACE	
Coal						38058/112.2	
Intermediate							
Production	4 1/2	J-55	10.5	5450	5450	450 SKS.	
Tubing	1.5					38058/11.1	
Liners							

PACKERS : Kind _____
Sizes _____
Depths set _____

For Office of Oil and Gas Use Only
Fee(s) paid: 1 Well Work Permit 1 Reclamation Fund 1 WPCP Agent
Plat 1 WW-9 1 Bond 1 (Type) 1

00326/4

