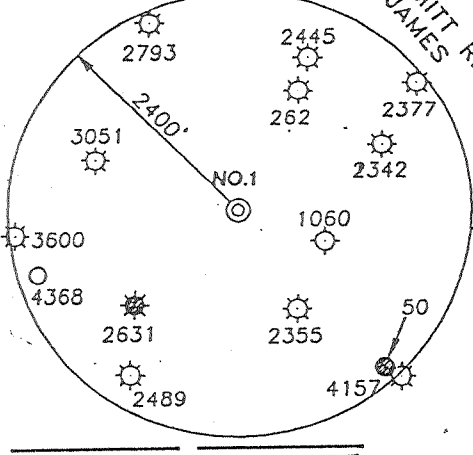
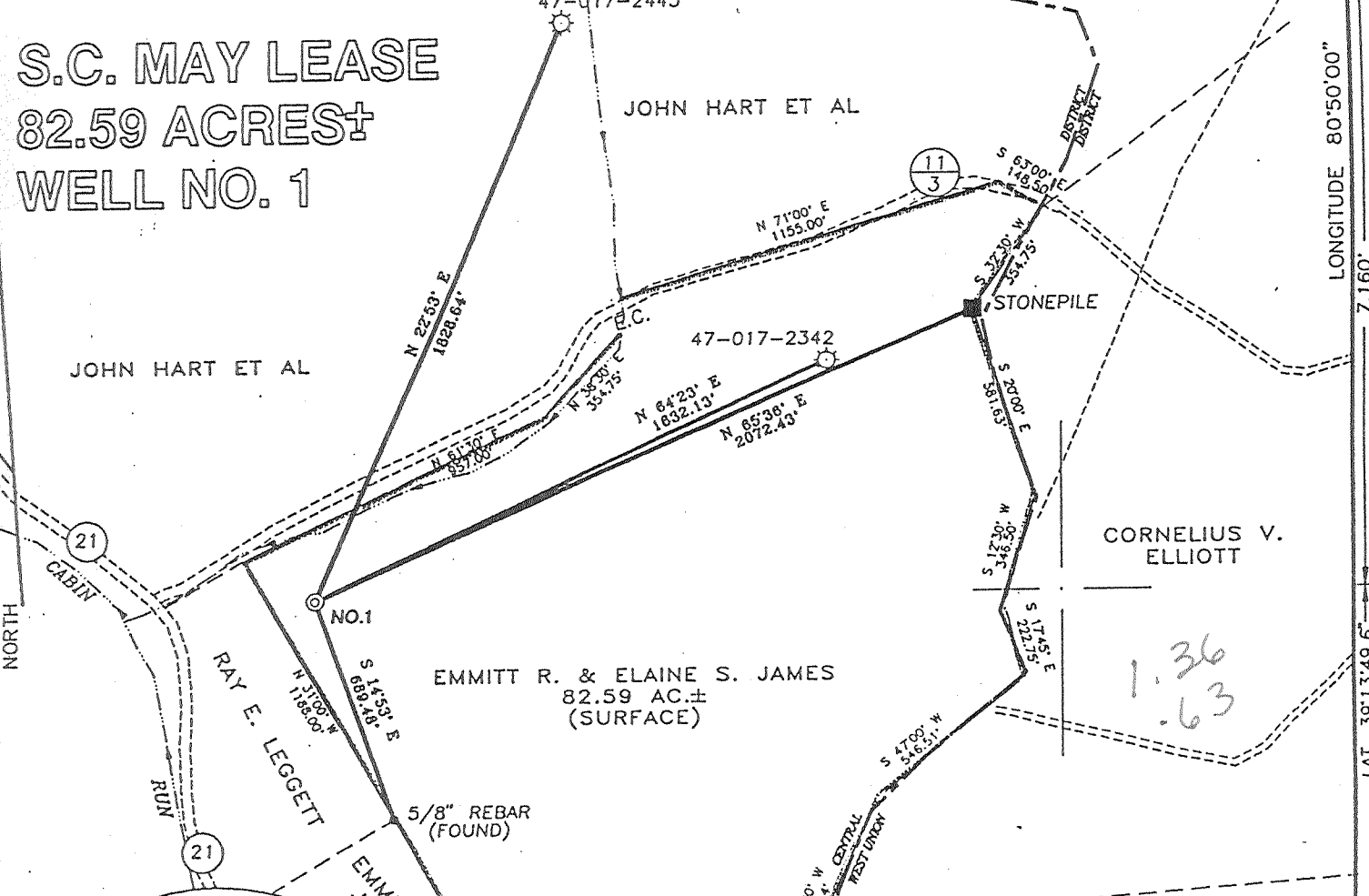
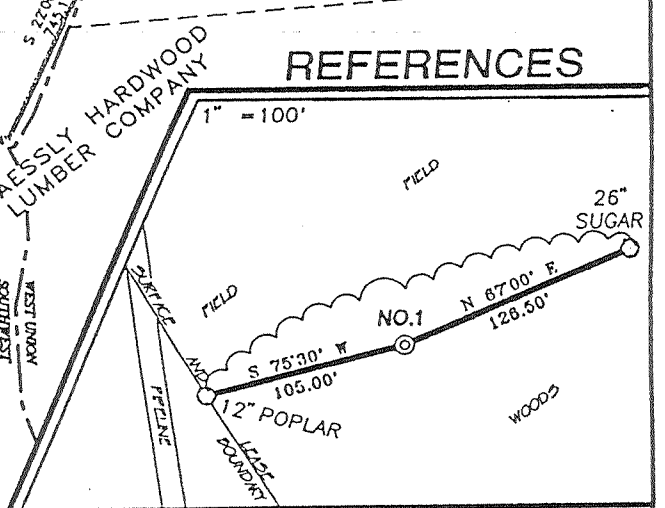


S.C. MAY LEASE 82.59 ACRES± WELL NO. 1



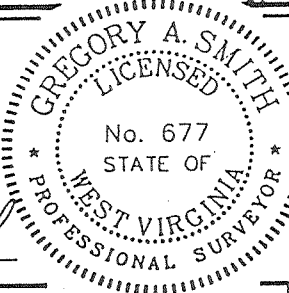
NOTES ON SURVEY

1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
2. LEASE BOUNDARY SHOWN HEREON TAKEN FROM A TITLE REPORT DATED 10/26/98 AS PREPARED BY RICHARD M. REDDOCLIFF FOR STELLA C. MAY LEASEHOLD.
3. SURFACE OWNERS AND ADJOINER INFORMATION OBTAINED FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN OCTOBER 1998.
4. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).
5. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 11/2/98.



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



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.
 DATE NOVEMBER 5, 19 98
 OPERATORS WELL NO. S.C. MAY NO. 1
 API WELL NO. 47-017-04522
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4088P1 (69-50)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 928' SCALE 1" = 500'

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

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

LOCATION : ELEVATION 970' WATERSHED TRIBUTARY OF CABIN RUN
 DISTRICT CENTRAL COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'

SURFACE OWNER EMMIT R. AND ELAINE S. JAMES ACREAGE 82.59
 ROYALTY OWNER STELLA D. MAY HEIRS LEASE ACREAGE 82.59
 PROPOSED WRK : LEASE NO. _____

DRILL CONVERT DRILL DEEPER REDRILL FRACTURE OR STIMULATE PLUG OFF OLD FORMATION PERFORATE NEW FORMATION PLUG AND ABANDON CLEAN OUT AND REPLUG OTHER _____

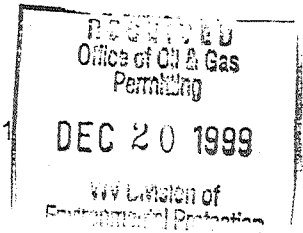
PHYSICAL CHANGE IN WELL (SPECIFY) _____ TARGET FORMATION ALEXANDER
 ESTIMATED DEPTH 5600'

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

COUNTY NAME DODD PERMIT 4522

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

Well Operator's Report of Well Work



Farm name: JAMES, EMMIT & ELAINE

Operator Well No. : STELLA MAY #1

LOCATION: Elevation: 970.00

Quadrangle: OXFORD

District: CENTRAL

County: DODDRIDGE

Latitude: 7160 Feet South of 39 Deg. 15 Min. 00 Sec.

Longitude: 3320 Feet West of 80 Deg. 50 Min. 00 Sec.

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 08/16/99
Well Work Commenced: 09/21/99
Well Work Completed: 09/25/99
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5363'
Fresh water depths (ft) 35'
Salt water depths (ft) 1870

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
8 5/8"	972.50'	972.50'	250 sks To Surface
4 1/2"	5287'	5287'	470 sks
2 3/8"		5100'	

Is coal being mined in area (Y / N)? N

Coal Depths (ft): NONE

Warren	3234' - 3302'
Speechley	3314' - 3430'
Balltown	3652' - 4363'
Rileys	4399' - 4813'
Benson	4848' - 4858'

Producing formation Alexander Pay zone depth (ft) 5091' - 5180'
 Gas: Initial open flow Show MCF / d Oil: Initial open flow 0 Bbl / d
 Final open flow 1,571 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: [Signature]
Date: December 13, 1999

PRESIDENT

FEB 25 2000

D000 4522

Stella May #1 (47-017- 4522)
Four Stage Foam Frac - Halliburton

1 st Stage:	Alexander (15 holes) (5120.75' to 5167.50')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 809 bbls foam.
2 nd Stage:	Benson (7 holes) (4852.25' to 4853.75') Third Riley (3 holes) (4786' to 4786.50') Second Riley (3 holes) (4698.75' to 4699.25')	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 615 bbls foam.
3 rd Stage:	Riley (6 holes) (4431.50' to 4461.25') Balltown (14 holes) (3983' to 4333.75')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 741 bbls foam.
4 th Stage:	Balltown (3 holes) (3818.75' to 3819.25') Speechley (5 holes) (3325.75' to 3415.75') Warren (6 holes) (3283.25' to 3298')	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

KB-GL	0	10	
Shale	10	16	
Red Rock & Shale	16	62	½" H ² O @ 35'
Sand & Shale	62	113	
Sand	113	149	
Shale & Sand & Red Rock	149	514	
Sand & Shale	514	1830	
Little Lime	1830	1852	
Sand & Shale	1852	1884	Damp @ 1870'
Big Lime	1884	1946	
Big Injun	1946	2015	
Shale	2015	2179	
Weir	2179	2307	
Shale	2307	2372	
Berea	2372	2385	
Sand & Shale	2385	2640	
Gordon	2640	2663	
Shale & Siltstone	2663	3234	
Warren	3234	3302	<u>Gas Checks</u>
Shale	3302	3314	1924' - 2/10 ^{ths} - 2" w/H ² O
Speechley	3314	3430	2511' - Odor
Sand & Shale	3430	3652	3222' - Odor
Balltown	3652	4363	3721' - Odor
Shale	4363	4399	4466' - Odor
Riley	4399	4470	4867' - Odor
Shale	4470	4636	5115' - Odor
Second Riley	4636	4706	TD - Odor
Shale	4706	4743	
Third Riley	4743	4813	
Shale	4813	4848	
Benson	4848	4858	
Shale	4858	5091	
Alexander	5091	5180	
Sand & Shale	5180	5363	
T.D.	5363		