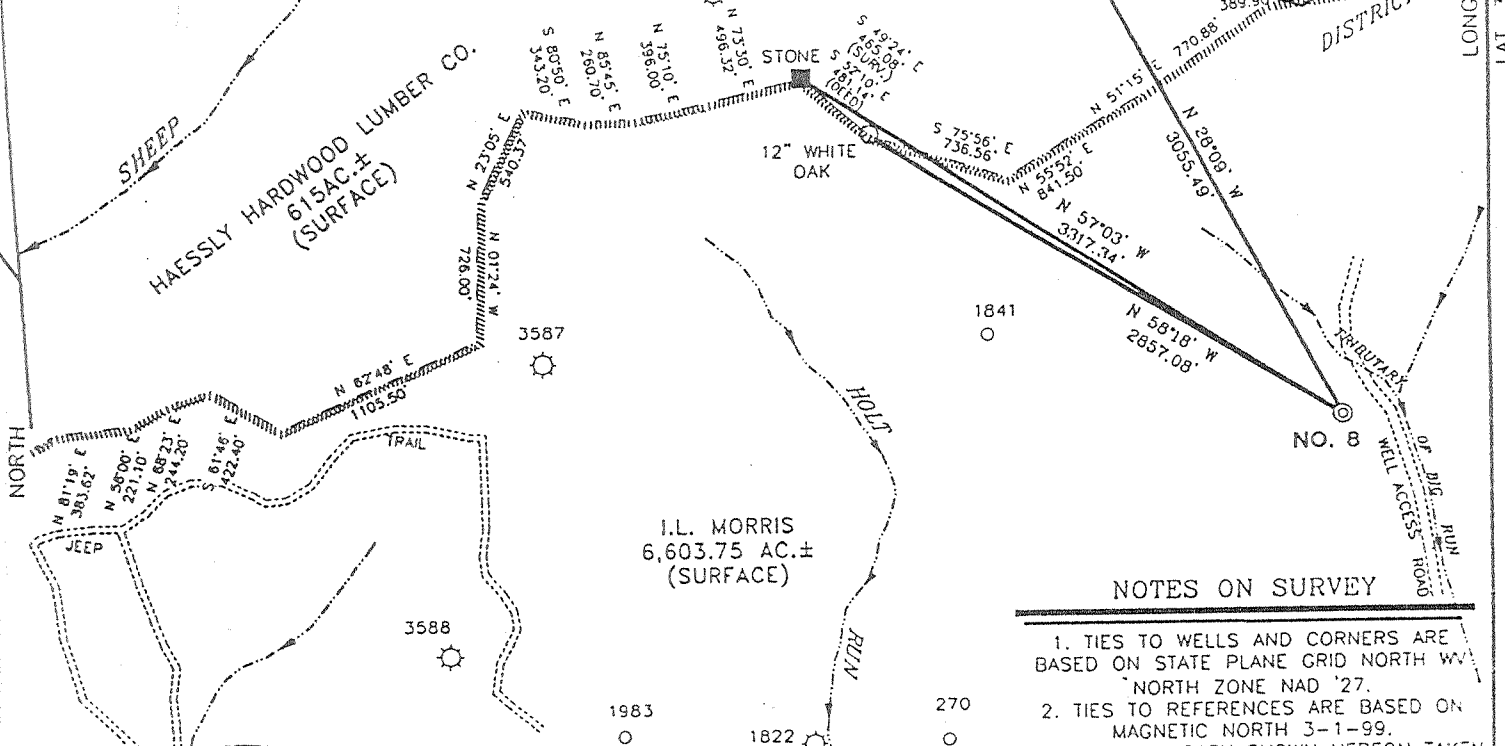


W.B. MAXWELL LEASE

2,400 ACRES ±

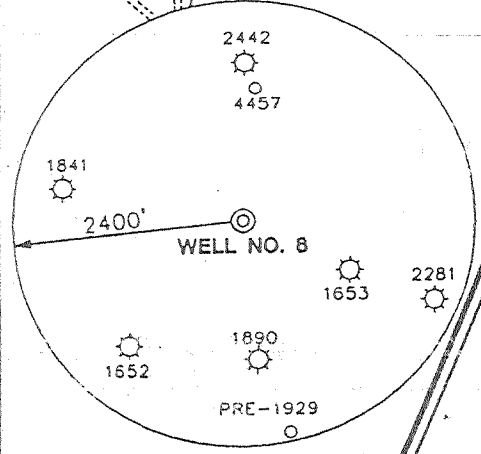
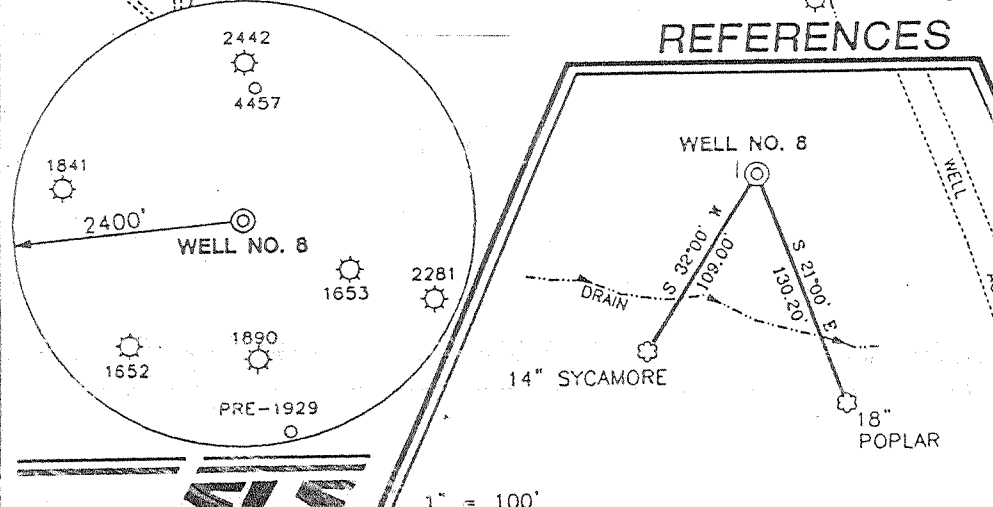
WELL NO. 8



NOTES ON SURVEY

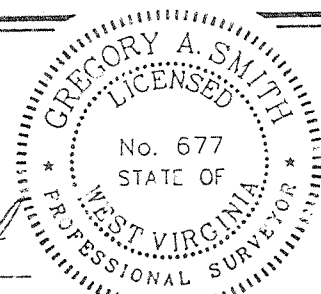
1. TIES TO WELLS AND CORNERS ARE BASED ON STATE PLANE GRID NORTH WV NORTH ZONE NAD '27.
2. TIES TO REFERENCES ARE BASED ON MAGNETIC NORTH 3-1-99.
3. LEASE BOUNDARY SHOWN HEREON TAKEN FROM DODDRIDGE COUNTY DEED BOOK 28 ON PAGE 210.
4. SURFACE OWNER AND ADJOINER INFORMATION TAKEN FROM THE ASSESSOR AND COUNTY CLERK RECORDS OF DODDRIDGE COUNTY IN JANUARY, 1999.
5. WELL LAT./LONG. ESTABLISHED BY DGPS (SUBMETER MAPPING GRADE).

REFERENCES



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 MARCH 3 19 99
 OPERATORS WELL NO. W.B. MAXWELL #8
 API WELL NO. 47-017-04520
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 4152P8 (69-72)
 PROVEN SOURCE OF ELEVATION JUNCTION OF ROADS ELEVATION 886' SCALE 1" = 1000'

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 980' WATERSHED TRIBUTARY OF BIG RUN OF SOUTH FORK HUGHES RIVER
 DISTRICT SOUTHWEST COUNTY DODDRIDGE QUADRANGLE OXFORD 7.5'

SURFACE OWNER I.L. MORRIS ACREAGE 6,603.75
 ROYALTY OWNER W.B. MAXWELL HEIRS ET AL LEASE ACREAGE 2,400
 PROPOSED WORK : 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

JUL 19 1999

6-6-133

COUNTY NAME PERMIT

WR-35

12 - Jul - 99
API # 47- 017-4520

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

REC'D
Office of Oil & Gas
Permitting
DEC 20 1999
K

Well Operator's Report of Well Work

Farm name: MORRIS, I.L.

Operator Well No. : W.B. MAXWELL #8

LOCATION: Elevation: 980.00 Quadrangle: OXFORD

District: SOUTHWEST County: DODDRIDGE

Latitude: 300 Feet South of 39 Deg. 12 Min. 30 Sec.

Longitude: 2300 Feet West of 80 Deg. 47 Min. 30 Sec.

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

Agent: JAN E. CHAPMAN

Inspector: MIKE UNDERWOOD
Permit Issued: 07/13/99
Well Work Commenced: 10/31/99
Well Work Completed: 11/04/99
Verbal Plugging
Permission granted on: _____
Rotary X Cable _____ Rig
Total Depth (feet) 5272'
Fresh water depths (ft) 50'
Salt water depths (ft) 1175'

Casing & Tubing Size	Used in Drilling	Left In Well	Cement Fill Up Cu. Ft.
8 5/8"	1013.95'	1013.95'	250 sks To Surface
4 1/2"	5099.25'	5099.25'	470 sks
2 3/8"		4880'	

Is coal being mined in area (Y / N)? N
Coal Depths (ft): 536' (7')

OPEN FLOW DATA

Warren	3000' - 3064'
Speechley	3070' - 3163'
Balltown	3362' - 4114'
Rileys	4170' - 4596'
Benson	4636' - 4649'
Producing formation <u>Alexander</u>	Pay zone depth (ft) <u>4882' - 4993'</u>

Gas: Initial open flow No Show MCF / d Oil: Initial open flow 0 Bbl / d
 Final open flow 1,524 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 4520

W. B. Maxwell #8 (47-017-4520)
Four Stage Foam Frac - Halliburton

1 st Stage:	Alexander (17 holes) (4900.75' to 4983.50')	60 Quality Foam. 500 gal. 15% HCL. 60,000# 20/40 sand, 550,000 SCF N2, 806 bbls foam.
2 nd Stage:	Benson (6 holes) (4642.25' to 4643.5') Third Riley (5 holes) (4562' to 4572.75') Second Riley (3 holes) (4455.5' to 4456')	60 Quality Foam. 750 gal 15% HCL. 40,000# 20/40 sand, 417,000 SCF N2, 612 bbls foam.
3 rd Stage:	Riley (13 holes) (4220.25' to 4226.25') Balltown (3 holes) (3970.75' to 3971.25')	60 Quality Foam. 1,000 gal 15% HCL. 5,000# 80/100 sand, 45,000# 20/40 sand, 502,000 SCF N2, 738 bbls foam.
4 th Stage:	Speechley (9 holes) (3081.25' to 3157.25') Warren (8 hole) (3030.25' to 3052.50')	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	2	
Sand	2	10	
Sand & Shale	10	86	Damp @ 50'
Red Rock	86	105	
Sand	105	284	
Sand & Shale	284	435	
Shale & Red Rock	435	481	
Sand	481	524	
Sand & Shale	524	536	
Coal	536	543	
Sand	543	628	
Shell & Red Rock	628	640	
Sand & Shale & Red Rock	640	1085	
Sand & Shale	1085	1605	1 1/2" H ₂ O @ 1175'
Little Lime	1605	1630	
Sand & Shale	1630	1642	
Big Lime	1642	1703	
Big Injun	1703	1886	
Shale	1886	1934	
Weir	1934	2052	
Sand & Shale	2052	2134	
Berea	2134	2144	
Sand & Shale	2144	3000	
Warren	3000	3064	NO SHOWS – Soaped Hole
Sand & Shale	3063	3070	
Speechley	3070	3163	
Shale	3163	3362	
Balltown	3362	4114	
Shale	4114	4170	
Riley	4170	4256	
Shale	4256	4450	
Second Riley	4450	4458	
Shale	4458	4550	
Third Riley	4550	4596	
Shale	4596	4636	
Benson	4636	4649	
Shale	4649	4882	
Alexander	4882	4993	
Sand & Shale	4993	5272	
T.D.	5272		