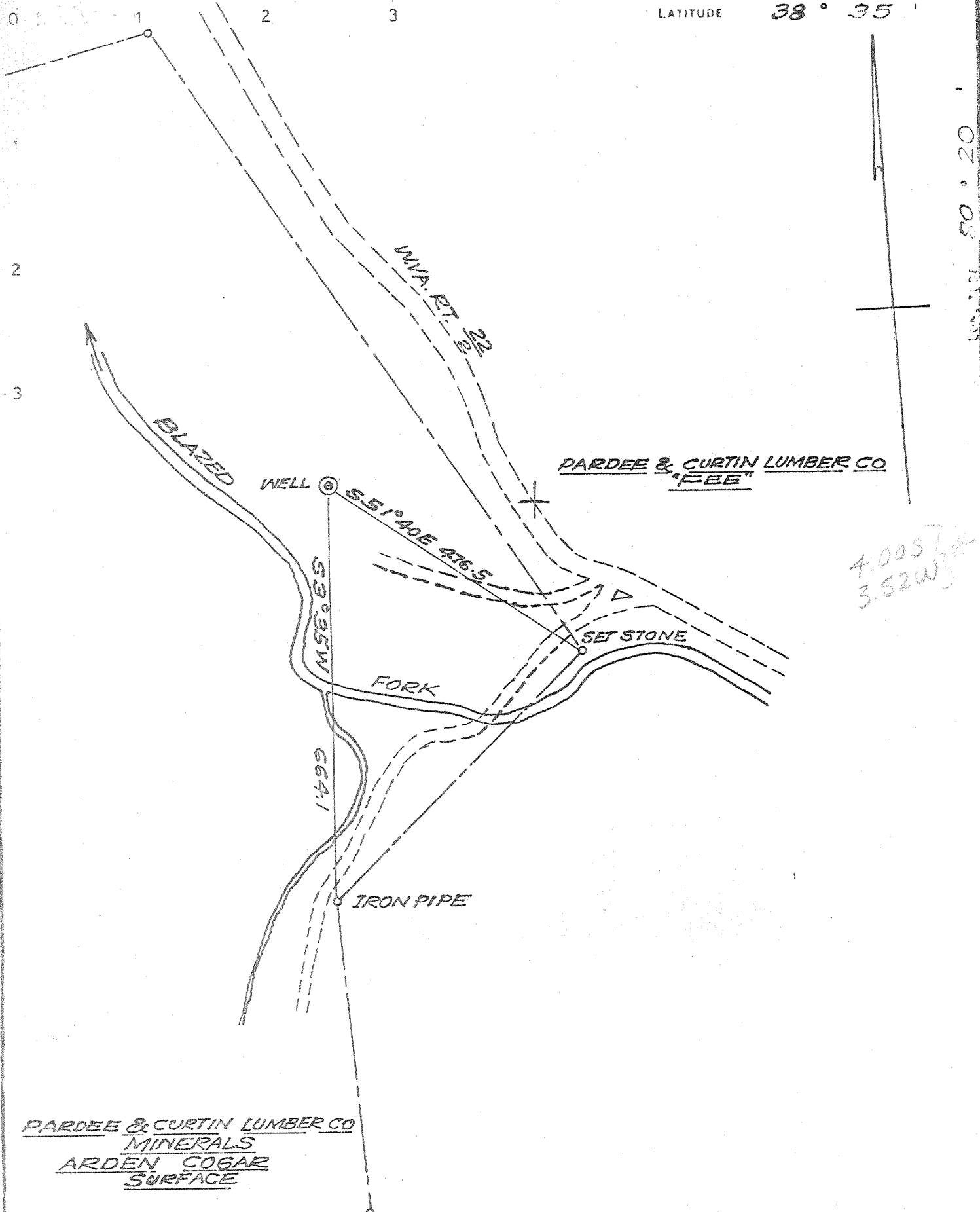


LATITUDE 38° 35'



PARDEE & CURTIN LUMBER CO
MINERALS
ARDEN COGAR
SURFACE

CERTIFICATE

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.
Minimum degree of accuracy is one part in 200

Signed E. M. Marton - R.C.E.
1941

- WELL LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT issued 5-19-69

COMPANY CRAMON STANTON INC.
 ADDRESS HOUSTON TEXAS 77002
 FARM ARDEN COGAR
 MAP _____ ACRES 124 LEASE NO _____
 WELL (FARM) NO 1 SERIAL NO _____
 ELEVATION (SPIRIT LEVEL) 1961.0 50
 QUADRANGLE HACKER VALLEY
 COUNTY WEBSTER DISTRICT FORK LICK
 POINT OF PROVEN ELEVATION U.S.G.S. B.M. 7CMP
1964 ELEVATION 2239.3
 FILE NO _____ DRAWING NO _____
 DATE MARCH 5, 1969 SCALE 1" = 200'

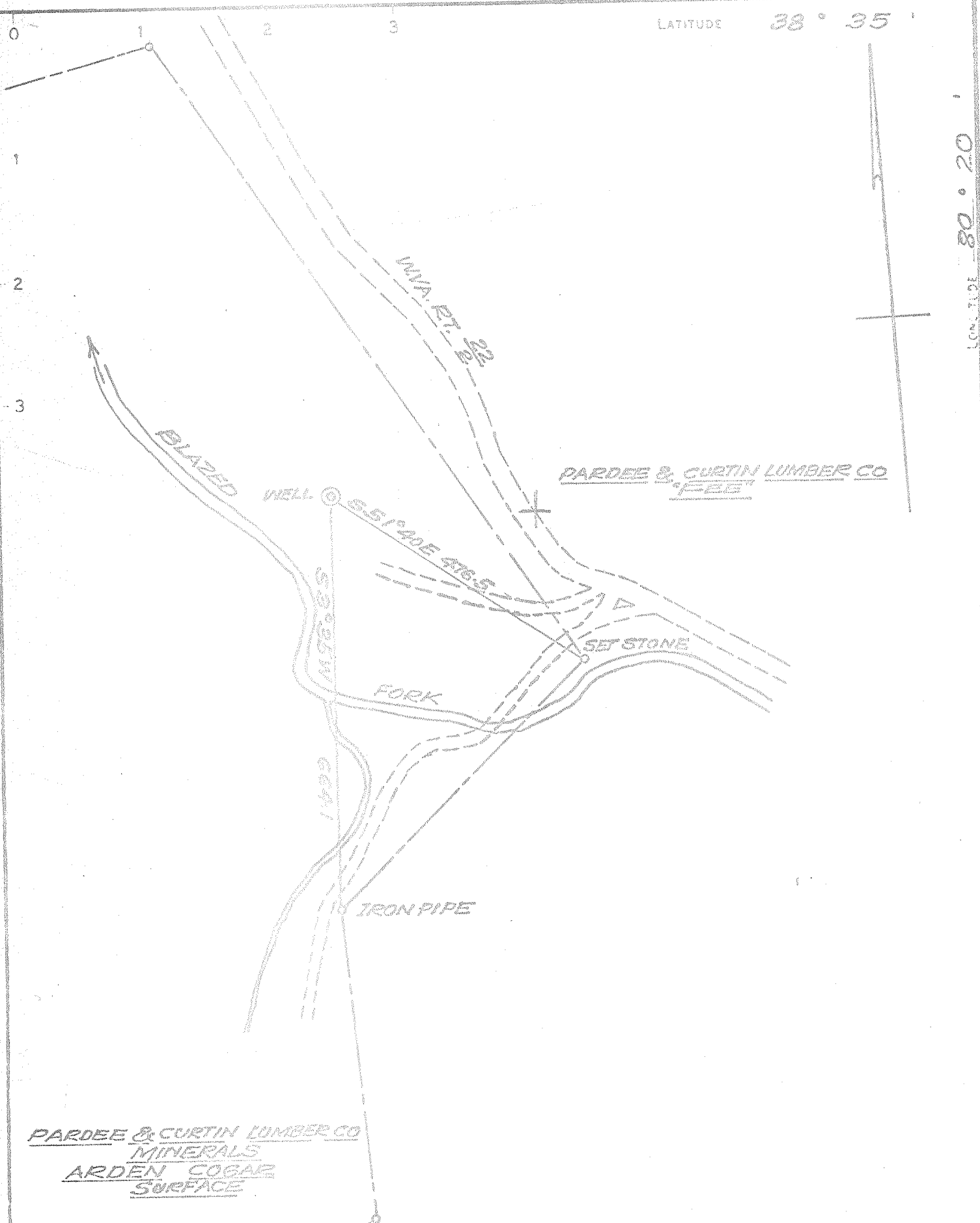
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
WELL LOCATION MAP
 FILE NO WEB-57-P

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62 500 LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN
 - DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING

1-0 NFW

Deep Well
(Helderberg)

MAY 27 1969



PARDEE & CURTIN LUMBER CO
MINERALS
ARDEN COGAR
SURFACE

CERTIFICATE

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia."
Minimum degree of accuracy is one part in 200

Signed E. M. Marton R.G.E.

- NEW LOCATION
- RECONDITION
- DRILL DEEPER
- ABANDONMENT

COMPANY CRAMON STANTON INC.
 ADDRESS HOUSTON TEXAS 77002
 FARM ARDEN COGAR
 MAP _____ ACRES 124 LEASE NO _____
 WELL (FARM) NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 1961.0
 QUADRANGLE HACKER VALLEY SC
 COUNTY WEBSTER DISTRICT FORK LICK
 POINT OF PROVEN ELEVATION U.S.G.S. B.M. 7CMP
1964 ELEVATION 2239.3
 FILE NO. _____ DRAWING NO. _____
 DATE MARCH 5, 1969 SCALE 1" = 200'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON
 WELL LOCATION MAP
 FILE NO. WEB-57

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1 TO 62 500 LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN
 DENOTES ONE INCH SPACES ON BORDER LINE OF ORIGINAL TRACING



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION / 3

Rotary
Spudder
Cable Tools
Storage

Quadrangle Webster Springs NW

WELL RECORD

Permit No. Web- 57

Oil or Gas Well Dry
(KIND)

Company CRAMON STANTON, INC.
Address 2229 Chamber of commerce Building
Houston, Texas
Farm Arden Cogar Acres 124.0
Location (waters) Grassy Creek
Well No. One Elev. 1961.0
District Fork Lick County Webster
The surface of tract is owned in fee by Arden Cogar
Webster Springs, W. Va. Address
Mineral rights are owned by Pardee & Curtin Lumber Co.
Curtin, W. Va. Address
Drilling commenced 3/7/69
Drilling completed 5/18/69
Date Shot NO From NO To NO
With NO
Open Flow NO /10ths Water in NO Inch
NO /10ths Merc. in NO Inch
Volume NO Cu. Ft.
Rock Pressure NO lbs. NO hrs.
Oil NO bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) No
WELL FRACTURED (DETAILS) No

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16.	15'	15'	Kind of Packer
13.	208'	208'	
10.	1660'	1660'	Size of
8 1/4			Depth set
6 3/8			
4 1/2			
3.			Perf. top
2.			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Attach copy of cementing record.
CASING CEMENTED 9 5/8" 1660' No. Ft. 3/19/69 Date
Amount of cement used (bags) 250 sacks
Name of Service Co. Halliburton - 59502
COAL WAS ENCOUNTERED AT 2' FEET 1" INCHES
48' FEET 6" INCHES 195' FEET 18" INCHES
245' FEET 28" INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.)
ROCK PRESSURE AFTER TREATMENT NO HOURS
Fresh Water NO Feet NO Salt Water NO Feet
Producing Sand NO Depth

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
soil&sandstone			0	102			Coal Above
sandstone	gray		102	208			Coal Above
sandstone & shells			208	355	F. Water	210'	Coal Above
sandy shale			355	394			
sand			394	417			
red rock			417	493			
sandy shale			493	587			
sandy shale			587	600			
sand & sandy shale			600	660			
shale			660	695			
sand			695	725			
sandy shale			725	926			
shale			926	1220			
sand			1220	1315			
sand and shale stringers			1315	1405			
lime	<i>Little lime</i>		1405	1435			
shale			1435	1465			
sand	<i>Webster Springs?</i>		1465	1488			
shale	<i>Perched base</i>		1488	1497			
lime	<i>Big lime</i>		1497	1630			Big Lime
sand			1630	1650			Injun
shale			1650	1732	Water	1672'	
sand			1732	1822	OVER		



Formation	Color	Hard or Soft	Top / 3	Bottom	Oil, Gas or Water	Depth Found	Remarks
shale and sand stringers			1822	2057			
shale			2057	2140			
sand			2140	2152			
shale			2152	2237			
sand			2237	2260			
shale & sand stringers			2260	6705			
shale	Marcellus		6705	6748			Marcellus
chert	Oriskany		6748	6830			Oriskany
sand	Oriskany		6830	6894			Oriskany
lime	Helderberg		6894	7018			
TD				7018			
				485			
			6748				
			1973				
			4775				

Date May 18, 19 69

APPROVED CRAMON STANTON, INC., Owner

By John Stanton
Eng (Title)