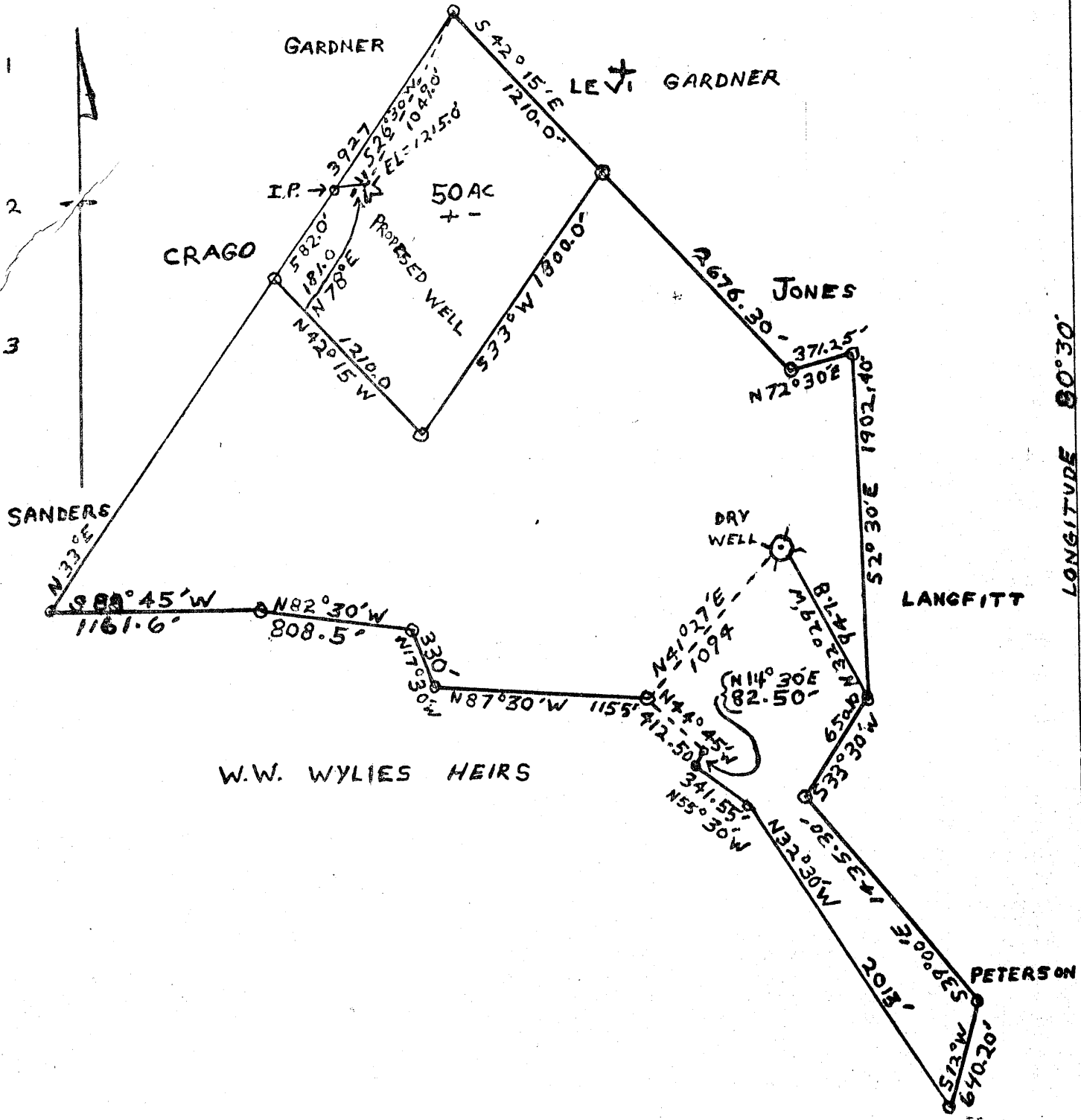


1.295
 3.09W



MINIMUM ERROR OF CLOSURE 1.5000
 SOURCE OF ELEVATION FROM DRY HOLE SHOWN ON PLAT.

NEW LOCATION YES
 DRILL DEEPER _____
 ABANDONMENT _____

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 5 OF THE RULES AND REGULATIONS OF THE OIL AND GAS SECTION OF THE MINING LAW OF WEST VIRGINIA

COMPANY JAMES E. CRAGO, D.I. BOX 99
 ADDRESS KINGS CRK, WEIRTON, W.VA
 FARM W. B. ELDER
 TRACT _____ ACRES 50 LEASE NO. 1
 WELL FARM NO. 1 SERIAL NO. _____
 ELEVATION (SPIRIT LEVEL) 1215.0
 QUADRANGLE STUBENVILLE, OHIO NE
 COUNTY HANCOCK DISTRICT CLAY
 ENGINEER Darwin Picklesimer
 ENGINEER'S REGISTRATION NO. SURVEYOR
 FILE NO. _____ DRAWING No. 1
 DATE JAN 30 1969 SCALE 1" = 770'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Han-84

+ DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS SCALE 1:62500 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

Rotary
Spudder
Cable Tools
Storage

Oil or Gas Well OIL
(KIND)

Quadrangle Steubenville, Ohio

Permit No. HAN-84

WELL RECORD

Company James E. and Nimrod H. Crago
Address R.D.#1 Box 99, Weirton, W. Va.
Farm W. B. Elder Acres 50
Location (waters) Holbert Run
Well No. 1 Elev. 1215.0
District Clay County Hancock
The surface of tract is owned in fee by W. B. Elder
Address R.D.#1 Weirton, W. Va.
Mineral rights are owned by W. B. Elder
Address R.D.#1 Weirton, W. Va.
Drilling commenced April 4, 1966
Drilling completed July 3, 1966
Date Shot Nov. 14, 1966 From 1235 To 1245
With 40 quarts Nitro Glycerine

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer
16			
13			Size of
10			
8 1/4			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume no Cu. Ft.
Rock Pressure no lbs. no hrs.
Oil 1 BBL. 1 BOPD bbls., 1st 24 hrs.
WELL ACIDIZED (DETAILS) no
WELL FRACTURED (DETAILS) no

Attach copy of cementing record.
CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____
Amount of cement used (bags) _____
Name of Service Co. _____
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

RESULT AFTER TREATMENT (Initial open Flow or bbls.) _____
ROCK PRESSURE AFTER TREATMENT _____ HOURS
Fresh Water Cased off _____ Feet 100 Salt Water Cased off _____ Feet 890
Producing Sand Berea Depth 1228-1259

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
ud	Brown	Soft	Soft	Hard		10-100ft.	
Slate	Gray	Soft	Soft	Hard		100-300ft.	
Low Run Sand	White	Soft	Hard	Soft		300-410ft.	
Slate & Shale	Gray	Hard	Hard	Hard	Water	410-585ft.	
Salt Sand	White	Hard	Hard	Hard	Salt Water	585-690ft.	
Slate & Shale	Gray	Soft	Soft	Hard		690-800ft.	
Injun Sand	White	Hard	Hard	Hard		800-870ft.	
Squaw Sand	Gray	Hard	Hard	Soft		900-925ft.	
Slate & Sand	Blue	Hard	Soft	Hard		925-1045ft.	
Broken Sand	Gray	Soft	Soft	Soft		1045-1145ft.	
Stray Sand	Gray	Hard	Hard	Hard		1145-1183ft.	
Black Slate	Black	Soft	Soft	Soft		1183-1228ft.	
Berea Sand	White	Hard	Soft 10 ft.	Hard	Oil	1228-1259ft.	

Total Depth
1275 ft.

