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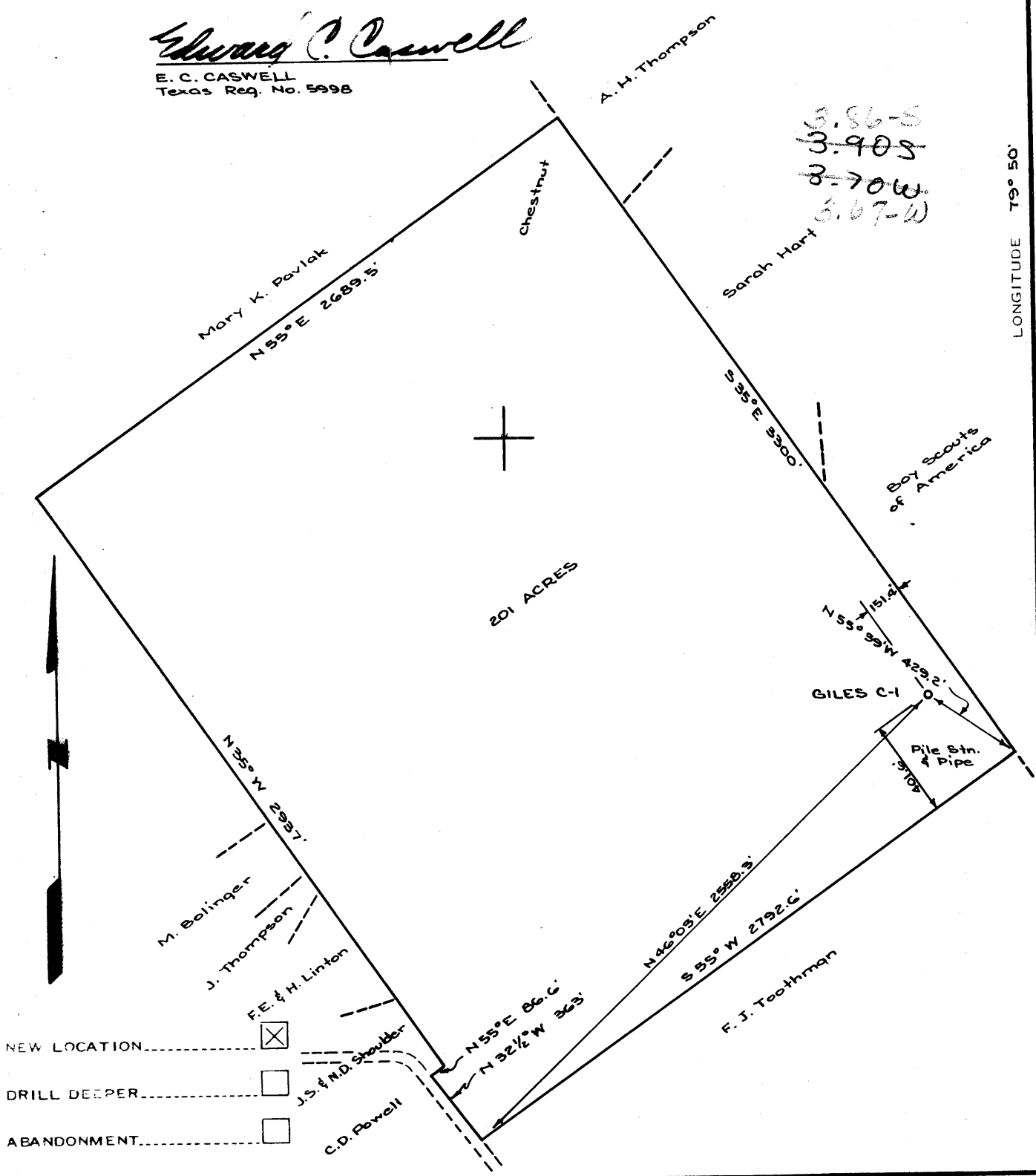
LATITUDE 39° 35'

"I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by Paragraph 5 of the rules and regulations of the Oil and Gas Section of the mining Laws of West Virginia."

Edward C. Caswell

E. C. CASWELL
Texas Reg. No. 5998

LONGITUDE 79° 50'



- NEW LOCATION
- DRILL DEEPER
- ABANDONMENT

COMPANY PHILLIPS PETROLEUM COMPANY

ADDRESS BARTLESVILLE, OKLAHOMA

FARM LAWRENCE W. GILES

TRACT _____ ACRES 201 LEASE NO. 73279

WELL FARM NO. _____ SERIAL NO. _____

ELEVATION (SPIRIT LEVEL) 2106.69

QUADRANGLE MORGANTOWN - SC

COUNTY MONONGALIA DISTRICT CLINTON

ENGINEER Edward C. Caswell

ENGINEER'S REGISTRATION NO. 5998 - TEXAS

FILE NO. _____ DRAWING NO. _____

DATE OCTOBER 28, '66 SCALE 1" = 600'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP

FILE NO. Mon-302

+ 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.

1-6-21

Deer Well (Orisk)



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary
Spudder
Cable Tools
Storage

Quadrangle Morgantown
Permit No. MON-302

WELL RECORD

Oil or Gas Well Gas
(KIND)

Company Phillips Petroleum
Address Bartlesville, Oklahoma
Farm Giles "G" Acres 201
Location (waters) *See below
Well No. 1 Elev. 2106.69'
District Clinton County Monongalia
The surface of tract is owned in fee by (a) Lawrence W. Giles & (b) Pearl Giles Newman Address (a) Route 9, Box 119 T, Morgantown, W. Va. (b) 208 Foster St., Lewisburg, W. Va.
Mineral rights are owned by W. Va. Same Address _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size	Set @:		Kind of Packer
16	50'	34'	(45 Sax) by Halli.
13 13 3/8"	1010.05'	996.05'	(340 Sax) by Halli.
10 9 5/8"	8128.33'	8130.33'	(200 Sax) by Halli.
8 1/4 4 1/2"			Depth set
6 3/4"			Perf. top <u>**See below</u>
4 1/2"			Perf. bottom
3"			Perf. top
2"			Perf. bottom
Liners Used			

Drilling commenced November 14, 1966
Drilling completed December 10, 1966
Date Shot None From _____ To _____
With _____

Open Flow 1/10ths Water in _____ Inch
1/10ths Merc. in _____ Inch
Volume 3,442,000/Day Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil None _____ bbls., 1st 24 hrs.

Attach copy of cementing record. 8128.33'
CASING CEMENTED 4 1/2" SIZE _____ No. Ft. 12/6/66 Date

WELL ACIDIZED (DETAILS) Pmp'd 5 bbls of acid into Oriskany Sand thru csg perf. f/ 8016' - 8022' @ 3900# press. - press. broke back to 2000# in three minutes.
WELL FRACTURED (DETAILS) 12/9/66 Halli. fracture treated Oriskany Sand & Onondaga Chert zones thru perf. in 4 1/2" csg w/ 57,500 gal. of 3% gelled acid & allied additives & 54,750# of 20-40 sand - avg inj. press. 4480# - max. press. 5100#.

Amount of cement used (bags) 200 sax
Name of Service Co. Halliburton

ROCK PRESSURE AFTER TREATMENT 3500#
Fresh Water @ 70' Feet _____ Salt Water _____ Feet _____
Producing Sand Onondaga Chert & Oriskany Sand Depth 8150' - Plugged back to 8095'

COAL WAS ENCOUNTERED AT 35' to 38' INCHES
FEET _____ INCHES _____ FEET _____ INCHES
FEET _____ INCHES _____ FEET _____ INCHES
RESULT AFTER TREATMENT (Initial open flow or bbls.) Four-point pot'l test, 12/31/66, calculated open flow 3,442 MCF gas/day.
HOURS Twenty four.

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Surface Soil, Sand Stone			0'	50'	**PERFORATION RECORD:		
Sand Stone & Shale			50'	195'	ORISKANY SAND:		
Shale & Red Rock			195'	725'	8016' to 8022' - 6		.53" Dia. hole
Lime, Shale & Sand			725'	1070'	CHERT ZONE:		
Sand			1070'	1880'	7826' to 7837' - 11		.53" Dia. hole
Sand & Shale			1880'	3265'	7841' to 7856' - 15		Do
Sandy Shale			3265'	4390'	7873' to 7876' - 3		Do
Sand & Shale			4390'	4865'	7878' to 7883' - 5		Do
Shale			4865'	7406'	7888' to 7891' - 3		Do
Tully lime			7406'	7493'	7893' to 7895' - 2		Do
Shale <u>HAMILTON shale</u>			7493'	7711'	7897' to 7900' - 3		Do
Marcellus shale			7711'	7806'	7921' to 7931' - 10		Do
Onondaga Line			7806'	7822'	7940' to 7948' - 8		Do
Onondaga Chert - <u>Huntersville</u>			7822'	8012'	7953' to 7956' - 3		Do
Oriskany Sand			8012'	8070'			
Helderberg Lime			8070'	8150'			
			PBTD	8095'			

*Location f/ line four above:
4100' East of 79 Deg. 55 Min. & 9500'
North of 39 Deg. 30 Min., Monongalia
County, West Virginia.

