



"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."

- NEW LOCATION.....
- DRILL DEEPER.....
- ABANDONMENT.....

W.A. Case
 W. A. CASE
 OKLA. REG. L.S. #128

SOURCE OF ELEVATION:
 PERMIT NO. MON-314 (SELLARO #A-1)

COMPANY PHILLIPS PETROLEUM COMPANY

ADDRESS BARTLESVILLE, OKLAHOMA

FARM LEMMA ROBY

TRACT 8 ACRES 75 LEASE NO. 129036

WELL (FARM) NO. D-1 SERIAL NO. _____

ELEVATION (SPIRIT LEVEL) 1978.0'

QUADRANGLE THORNTON NC

COUNTY MONONGALIA DISTRICT CLINTON

ENGINEER W.A. Case

ENGINEER'S REGISTRATION NO. OKLA. REG. L.S. #128

FILE NO. _____ DRAWING NO. _____

DATE MAY 14, 1969 SCALE 1" = 500'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES

OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Mon-322

+ 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.

Deep Well (Oriskany)

Orig & 1 - State
 2 - Partners
 1 - B'ville
 Form OG-10 1 - Okla. City
 1 - File



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION 10

Rotary
 Spudder
 Cable Tools
 Storage

Quadrangle Thornton *Gladesville 7 1/2*
 Permit No. MON-322

WELL RECORD

Oil or Gas Well Gas (KIND)

Company	Phillips Petroleum Company	Casing and Tubing	Used in Drilling	Left in Well	Packers
Address	Box 287, Great Bend, Kansas 67530	Size		Set at: (RKB)	
Farm	Roby "D"	13-3/8" OD	32'	52'	Kind of Packer
Location (waters)	3650' S of 39°30' & 19650' W of 79°50' 16	10-5/8" OD	1009'	1028'	50 sx by Halliburton
Well No.	1 Elev. 1978'	8 1/4" OD			Size of
District	Clinton County Monongalia	6%			325 sx by Hallib
The surface of tract is owned in fee by	Lemma Roby W. Va.	5 3/16			Depth set
Address	Rt. 1, Independence,	4 1/2" OD	7853'	7850'	225 sx by Hallib
Mineral rights are owned by	Same	3			Perf. top 7552' } Hyp
Address		2			Perf. bottom 7699' } will
Drilling commenced	June 28, 1969	Liners Used			Perf. top 7754' } Oris
Drilling completed	July 13, 1969				Perf. bottom 7756' }
Date Shot	From To				
With					

Open Flow /10ths Water in _____ Inch
 /10ths Merc. in _____ Inch
 Volume See reverse side _____ Cu. Ft.
 Rock Pressure _____ lbs. _____ hrs.
 Oil _____ bbls., 1st 24 hrs.
 WELL ACIDIZED (DETAILS) Pmpd plug down w/1000 gals MSA acid & 99 IW
 WELL FRACTURED (DETAILS) See reverse side

Attach copy of cementing record.
 CASING CEMENTED 4 1/2" SIZE 7850 No. Ft. 7-14-69 Date
 Amount of cement used (bags) 225
 Name of Service Co. Halliburton
 COAL WAS ENCOUNTERED AT 39 FEET to 45 FEET INCHES FEET INCHES
 FEET INCHES FEET INCHES

RESULT AFTER TREATMENT (Initial open flow or bbls.) See reverse side *7,086 Mcf*
 ROCK PRESSURE AFTER TREATMENT *SICP 3500#* HOURS
 Fresh Water 79' & 1280' Feet Salt Water _____ Feet
 Producing Sand _____ Depth _____

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
DRILLER'S LOG							
Surface dirt & Sand			0	155'	FORMATION TOPS - Per Electric Log		
Sand & Shale			155'	710'	✓ Tulley Lime		7152'
Lime & shale			710'	1190'	✓ Onondaga Lime		7536'
Shale, Lime, Sand			1190'	1335'	✓ Onondaga Chert		7549'
(Squeezed water section w/420# PWC @ 800# press)					✓ Oriskany Sand		7741'
Shale & lime (SS of gas @ 2442')			1335'	5716'			
Shale			5716'	7152'			
Lime (Top Tulley 7152')			7152'	7220'			
Shale & lime			7220'	7560'			
Chert (Top Chert 7550')			7560'	7732'			
Sand (Top Oriskany 7735')			7732'	7850'			
(Top Helderberg Lime 7800')				7850'			
Total Depth				7850'			
PBTD				7817'			



Formation	Color	Hard or Soft	Top 10	Bottom	Oil, Gas or Water	Depth Found	Remarks
7-13-69	Schlumberger	ran Gamma Ray Density	Caliper & Induction Logs	from TD to btm surf	csg.		
7-14-69	Ran 4 1/2" OD	csg set @ 7850'	- cmtd w/225 sx reg	cmt w/20% Diacel D.			
7-15-69	Perf Oriskany Sand	7754-56', 3 holes.	Pmpd 5 bbls acid into form @ 4900#	press - broke to 3400#.			
7-16-69	Perf Chert 7552-7756'	7552-7699', 37 holes.	Frac'd Chert & Oriskany thru perf in 4 1/2" csg	w/55,000# 20/40 sand & 62,000 gals 3% jelled acid, 1800# WG-6 & 300# CW-1.	Max trtg press 5025#, avg trtg press 4530#. ISIP 3350#, 5 min SIP 3025#, 8 min SIP 2950#. Opened to pit 11 hrs. 7 hr SIP after flowing to pit - TP 1950#, CP 3020#.		
7-17 - 7-22-69	Well SI for test.		Blew well to pit for short periods	to clean up well.			
7-23-69	SITP 3500#, SICP 3500#.		Ran 4 Point Potential test.				
7-24 - 7-30-69	WO test to be computed.						
7-31-69	Well test - CAOFP 7086	MCFPD.	Well shut in pending pipeline connection.	Final Report.			

Date July 31, 19 69

APPROVED Phillips Petroleum Company, Owner

By [Signature] Dist. Supt.
(Title)