

Department of Mines, Minerals and Energy
Division of Gas and Oil
P.O. Box 1416
Abingdon, Virginia 24210
703/676-5423



COMPLETION REPORT

WELL TYPE: Oil Gas Coalbed Methane or Injection well

Date Well Completed: 8-06-96 Total Depth of Well: LTD = 2741 DTD = 2752

Attach the Drilling Report; if not previously submitted. In addition, submit any changes in casing or tubing that were approved after the Drilling Report was submitted.

STIMULATION RECORD

Zone 1: COAL SEAMS* Formation Stimulated With: 70Q FOAM
W/25100# 12/20 SAND - 763000 SCF N2 - 645 BF
Perforated: 1833.5 to 2591.5 No. of Perforations: 17 Perforation size: .34
Formation Broke Down at: 1458 PSIG Average Injection Rate: 60 (DH) BPM
ISIP: 1040 PSIG 5 Min SIP: 979 PSIG Average Injection Pressure: 3561
Date Stimulated: 8-06-96

* U HORSEPEN, C-SEAM, WARCREEK, UNNAMED "C", BECKLEY, L HORSEPEN, POCO #8, POCO #5, POCO #2

Zone 2: Formation Stimulated With:
Perforated: to No. of Perforations: Perforation size:
Formation Broke Down at: PSIG Average Injection Rate:
ISIP: PSIG Min SIP: PSIG Average Injection Pressure:
Date Stimulated:

Zone 3: Formation Stimulated With:
Perforated: to No. of Perforations: Perforation size:
Formation Broke Down at: PSIG Average Injection Rate:
ISIP: PSIG Min SIP: PSIG Average Injection Pressure:
Date Stimulated:

FINAL PRODUCTION: Natural After Stimulation
BOD MCFD HOURS TESTED ROCK PRESSURE HOURS TESTED

Zone (1)
Zone (2)
Zone (3)
Final Production if Gas Zones are Commingled 33 MCFD 6 Hours Tested 320 PSIG 48 Hours Tested

* Use additional sheets with this format, if more than three (3) zones were stimulated.

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By: Joseph L. [Signature] (Signature)

Department of Mines, Minerals and Energy
 Division of Gas and Oil
 P. O. Box 1410
 Abingdon, Virginia 24210
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DRILLING REPORT

Pursuant to VR-480-05-22.1, § 1.36, the undersigned Permittee submits this report on Well VC2938 in the KENADY District of the DICKENSON County, Virginia on 31ST day, OCTOBER month, 19 96.

LOCATION

County: DICKENSON District: KENADY
 Surface Elevation: 2454.1 Elevation of Kelly Bushing: 2464.1 Quadrangle: CANEY RIDGE
14240 FT S. of Latitude 37° 05' 00" and 10280 FT W. of Longitude 82° 22' 30"

Attach a final location plat as required by VR 480-05-22.1, § 1.36.

DRILLING DATA

Date Drilling Commenced: 07-22-96 Drilling Contractor: Union Drilling
 Date Drilling Completed: 07-26-96 Rig Type: Rotary Cable Tool
 Total Depth of Well: LTD=2741 DTD=2752

GEOLOGICAL DATA

Fresh Water at:	601 feet	½" STREAM	GPM	feet	GPM
	835 feet	¼" STREAM	GPM	feet	GPM
Salt Water at:	feet		GPM	feet	GPM
	feet		GPM	feet	GPM

COAL SEAMS:

<u>NAME</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>THICKNESS</u>	<u>MINING IN AREA</u>		
				<u>YES</u>	<u>NO</u>	<u>MINED OUT</u>
BECKLEY	2056	2058	2			
LOWER HORSEPEN	2115	2117	2			
POCO #2	2621	2625	4			

GAS AND OIL SHOWS:

<u>FORMATION</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>THICKNESS</u>	<u>IPF (MCFD/BOPD)</u>	<u>PRESSURE</u>	<u>HOURS TESTED</u>
			1800/2616/2752	0D0R		
			1972	133 MCFD		
			2043/2230/2269	15 MCFD		

Cuttings or samples are are not available for examination by a member of the Virginia Division of Mineral Resources
Cuttings or samples have have not been furnished to the Virginia Division of Mineral Resources

ELECTRIC LOGS AND SURVEYS

List logs run on wellbore: DEN/TMP/GR

Did log disclose vertical location of a coal seam? Yes No

SURVEY RESULTS

<u>DEPTH OF SURVEY</u>	<u>DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL</u>	<u>DEPTH OF SURVEY</u>	<u>DIRECTION/DISTANCE/DEGREES FROM TRUE VERTICAL</u>
182	1/2°	1579	3/4°
200	1/2°	1800	3/4°
400	3/4°	1972	3/4°
431	3/4°	2048	3/4°
467	3/4°	2230	1 1/2°
600	1°	2269	1 1/2°
800	1°	2463	1 3/4°
1000	1°	2581	1 3/4°
1201	1°	2616	1 3/4°
1401	3/4°	2752	2 3/4°

CASING AND TUBING

	<u>SIZE</u>	<u>TOP</u>	<u>BOTTOM</u>	<u>LENGTH</u>	<u>CEMENT USED (IN CU/FT)</u>	<u>DATE CEMENTED</u>	<u>PACKERS OR BRIDGE PLUGS KIND SIZE SET AT</u>
<u>Conductor</u>							
<u>Surface</u>	11 3/4"		20'				
<u>Water Protection</u>	8 5/8"		317'	307'	86(101)	07-22-96	
<u>Coal Protection</u>							
<u>Other Casing and Tubing Left in Well</u>	4 1/2" 2 3/8"		2729' 2674'	2719'	335(422)	07-26-96	

Liners

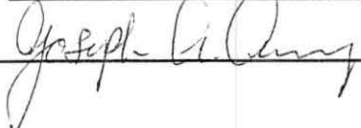
REMARKS: Shut down, fishing jobs, depths and dates, caving, lost circulation, etc.

DRILLER'S LOG

Compiled by Engineering

<u>AGE</u>	<u>FORMATION</u>	<u>GENERAL LITHOLOGY</u>	<u>COLOR</u>	<u>DEPTH</u>		<u>THICKNESS</u>	<u>REMARKS</u>
				<u>TOP</u>	<u>BOTTOM</u>		
Pennsylvanian	Sand, Shale & Thin Coals BECKLEY	Sand, Shale & Thin Coals LOWER HORSEPEN		0	2056	2056	
				2056	2058	2	
				2058	2115	57	
				2115	2117	2	
				2117	2621	504	
				2621	2625	4	
	Sand, Shale & Thin Coals			2625	2741	116	
Logger's Total Depth				2741			

Permittee: EQUITABLE RESOURCES EXPLORATION (Company)

By:  (Signature)

LATITUDE 37°05'00"

NOTE 1 1 1

WELL COORDINATES ARE BASED ON CLINCHFIELD COAL COMPANY'S MINE COORDINATE SYSTEM STATE PLANE WELL COORDINATES ARE CALCULATED FROM CLINCHFIELD COAL COMPANY COORDINATES.

PROPERTY INFORMATION PROVIDED BY EQUITABLE RESOURCES EXPLORATION.

ELEVATIONS ARE BASED ON A NAIL FOUND IN A 12" X 12" FORKED WHITE OAK ±50' EAST OF WISE COUNTY'S TWIN 150,000 GALLON WATER STORAGE TANKS. ELEV. = 2933.07

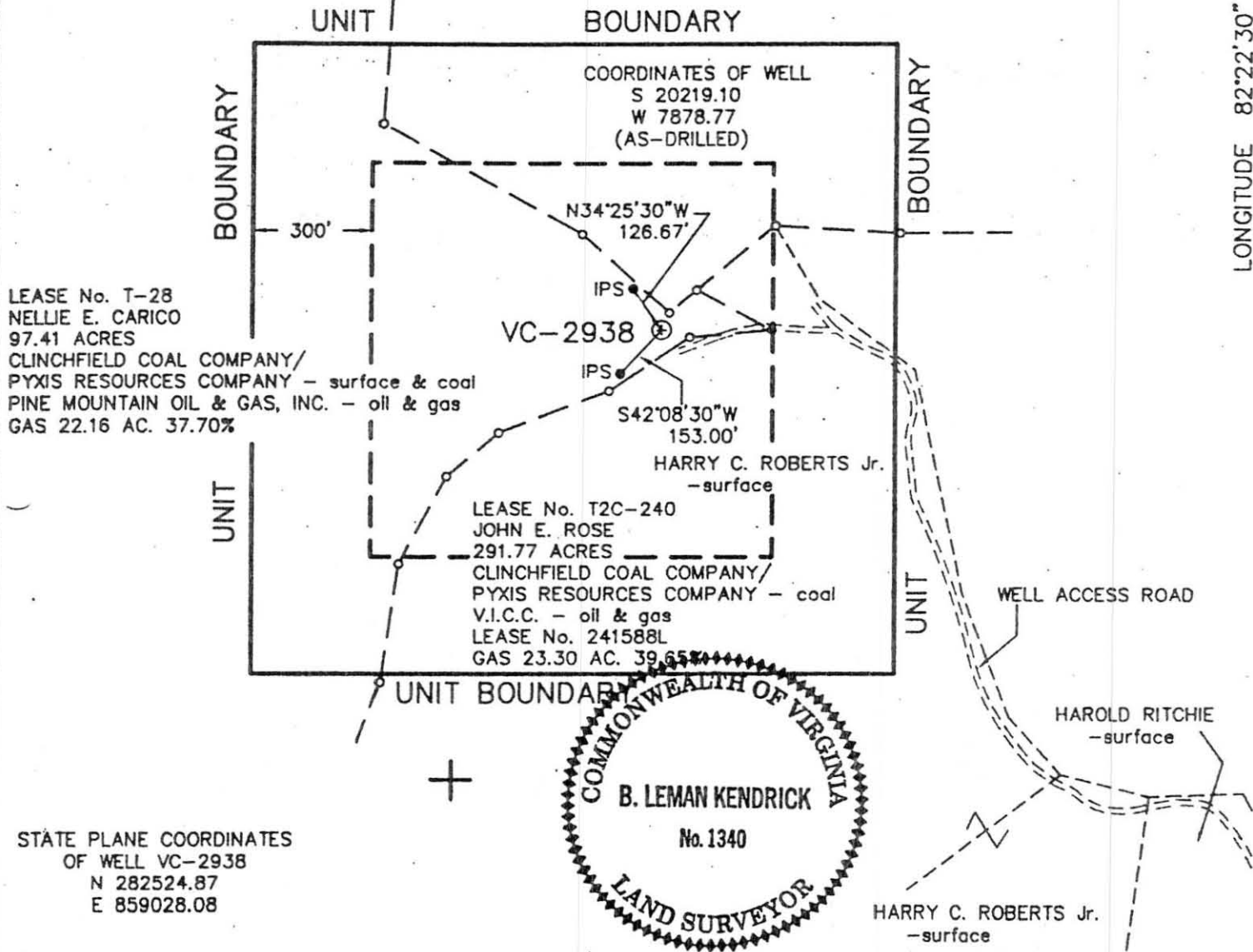
S. Lyon

TOTAL UNIT AREA = 58.77 ACRES

LEASE No. T-191
D.H. VANCE
189.95 ACRES
CLINCHFIELD COAL COMPANY/
PYXIS RESOURCES COMPANY - coal & surface
PINE MOUNTAIN OIL & GAS, INC. - oil & gas
GAS 13.31 AC. 22.65%

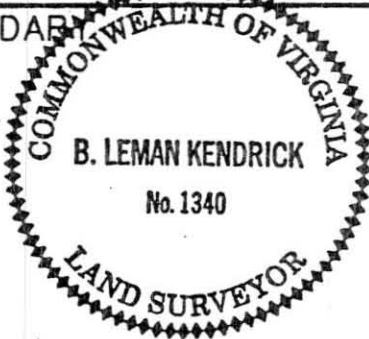


LONGITUDE 82°22'30"



LEASE No. T-28
NELLIE E. CARICO
97.41 ACRES
CLINCHFIELD COAL COMPANY/
PYXIS RESOURCES COMPANY - surface & coal
PINE MOUNTAIN OIL & GAS, INC. - oil & gas
GAS 22.16 AC. 37.70%

LEASE No. T2C-240
JOHN E. ROSE
291.77 ACRES
CLINCHFIELD COAL COMPANY/
PYXIS RESOURCES COMPANY - coal
V.I.C.C. - oil & gas
LEASE No. 241588L
GAS 23.30 AC. 39.65%



STATE PLANE COORDINATES
OF WELL VC-2938
N 282524.87
E 859028.08

WELL LOCATION PLAT

COMPANY Equitable Resources Exploration WELL NAME AND NUMBER VC - 2938
 TRACT No. T-28 ELEVATION 2452.84 (Trig) QUADRANGLE CANEY RIDGE
 COUNTY DICKENSON DISTRICT KENADY SCALE: 1" = 400' DATE JULY 23, 1996
 THIS PLAT IS A NEW PLAT ; AN UPDATED PLAT ; OR A FINAL LOCATION PLAT x
 PROPOSED TOTAL DEPTH OF WELL =

+ DENOTES THE LOCATION OF A WELL ON UNITED STATES TOPOGRAPHIC MAPS, SCALE 1 TO 24,000, LATITUDE AND LONGITUDE LINES BEING REPRESENTED BY BORDER LINES AS SHOWN.

B. Leman Kendrick 7/23/96

LICENSED PROFESSIONAL ENGINEER OR LICENSED LAND SURVEYOR

(AFFIX SEAL)