API I	NO. 4	5	- 051	 21615	
WELL	NAME:	N.M.	DEEL	 VC1935	_
DATE	10	-3-91			

Virginia Oil and Gas Inspector P. O. Box 1416 Abingdon, VA 24210 703 628-8115

REPORT OF COMPLETION OF WELL WORK

Pursuant to Regulation 4.06 of the Regulations und Gas Act, the undersigned well operator reports compl well work specified below on the referenced well in District County, Virginia o month, 19 91	etion of the type(s) of ERVINTON
WELL TYPE: Oil/ Gas _X / Enhanced Recovery _/ If Gas-Production _X / Underground Storage/ Exem 45.1-300.B.l. from general Oil and Gas Conservation WELL WORK: Drill _X / Deepen/ Redrill/ Stimu Plug Off Old Formation/ Perforate New Formation Replug/ Other physical change in well (specify) The well work was done as shown in the Appenditype(s) of well work involved.	Law yes X / no late X / X / Plug/
CONFIDENTIALITY STATUS UNDER CODE OF VIRGINIA	SECTION 45.1-332
X Ninety days from the filing of this repor	t
OR	
	the date on which the an exploratory well as
BY GOLFF & CHANGE EXPLORATION ITS SR. ENGINEER	2345678g
ADDRESS 1989 EAST STONE DRIVE, KINGSPORT, TN 37660	9071991 CH
TELEPHONE 615-378-5101	1991 1991 1991 1991 1991 1991 1991 199
	66.10.00

Well Na	Name	N.M.	DEEL	VC1935
File	Number	D	I-567	

COMPLETION REPORT

WELL TYPE: Oil () Gas Production Enhanced Recovery () W	
LOCATION	
COUNTY DICKENSON	DISTRICTERVINTON
SURFACE ELEVATION2342.80'	QUADRANGLE NORA
LATITUDE 12,760'S 37° 05' 00"	LONGITUDE 1,450'W 82° 17 ' 30 "
DRILLING DATA	
DATE DRILLING COMMENCED 6-22-91	DRILLING CONTRACTOR UNION DRILLING
DATE DRILLING COMPLETED 6-27-91	ADDRESS P.O. DRAWER 40, BUCKHANNON, WV
DATE WELL COMPLETED 7-16-91	TELEPHONE NUMBER 304-4/2-4610
DTD=2689	RIG TYPE X ROTARY CABLE TOOL
GEOLOGICAL DATA	
	GPM: (2) FEET GPM
FRESH WATER AT (1) FEET SALT WATER AT (1) 1830 FEET DAMP	GPM: (2) FEET GPM
COAL SEAMS:	
NAME MOD DOMMON MILLON	MINING IN AREA
	NESS YES NO MINED OUT
MIDDLE SEABOARD 1548 1550 2 C-SEAM RIDER 1825 1827 2	
WARCREEK 1875 1878 3	
UNNAMED "C" 1905 1907 2	
BECKLEY 1928 1931 3	
OIL AND GAS SHOWS:	
	IPF(MCFD/BOPD) PRESSURE HOURS TESTED
NO SHOWS	
	· · · · · · · · · · · · · · · · · · ·
STIMULATION RECORD UNNAMED	"C", WARCREEK, C-SEAM, C-SEAM RIDER
ZONE (1) X-SEAM, L. HORSEPEN, BECKLEY, FORMA	TION STIMULATED WITH 700 FOAM/LE
W/14000 # 12/20 SAND-792780 SCF N2-775 BBLS	FLUID
PERFORATED 1826 TO 2044.5 NO. OF PERF	ORATIONS 16 PERFORATION SIZE .34"
FORMATION BROKE DOWN AT 938 PS	IG AVERAGE INJECTED RATE 18 BPM MINUTE SHUT IN PRESSURE 1274 PSIG
INITIAL SHOT IN PRESSURE 1644 PSIG 5	MINUTE SHUT IN PRESSURE 1274 PSIG
STIMULATION RECORD	
ZONE (2)FORMA	TTON STIMILATED WITH
101011	
PERFORATED TO NO. OF PER	FORATIONS PERFORATION SIZE
FORMATION BROKE DOWN AT PS	IG AVERAGE INJECTED RATE BPM
INITIAL SHUT IN PRESSUREPSIG	FORATIONS PERFORATION SIZE IG AVERAGE INJECTED RATE BPM MINUTE SHUT IN PRESSURE PSIG
FINAL PRODUCTION: () NATURAL (XXX) AFTER STIMULATION
BOD MCFD HOURS TESTE	,
70NF (1)	D ROCK PRESSURE HOURS TESTED
ZONE (1)	D ROCK PRESSURE HOURS TESTED
ZONE (1)	D ROCK PRESSURE HOURS TESTED
ZONE (2)	D ROCK PRESSURE HOURS TESTED
ZONE (2)	D ROCK PRESSURE HOURS TESTED

CASING AND TUBING

PACKERS OR

	SIZE	TOP	BOTTOM	LENGTH	PERFORATIONS FEET TO FEET	BRIDGE KIND SIZE	
CONDUCTOR	11 3/4"		19'		44	······································	
CASING Circulated and Cement to Surface	ed		455'				
WATER PROT (Casing Se According Section 45.1-334)	t to		2558'				
COAL PROTE (Casing Se According Section 45.1-334)	t				5 u ×		
OTHER CASI Tubing Lef In Well			2135'				
LINERS Remaining In Well	***						
OTHER used left	and not			*			
Is the we protection					X YesNo,	If Yes,	was coa
REMARKS:	Shut dow	n, fi	shing jobs	s, depths	and dates, cav	ing, etc.	

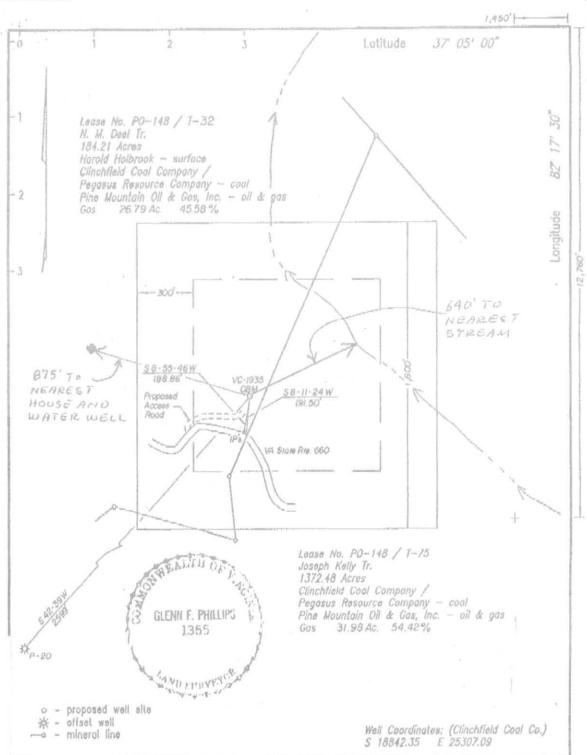
Form 16, Appendix A Sheet 3	Well Name	N.M. DEEL	VC1935
Samples and Cuttings Will_X_Will notbe available for Virginia Division Will_X_Will notbe furnished to t Resources upon re	of Mineral he Virginia	Resources	
WillWill not X require sacks to Division of Miner	be furnished		ginia
Electric Logs and Surveys: Type of Electric Log(s) Ran:	SDL/GR		
Did log disclose vertical location	of a coal se	eam? Yes X	No
Was log made at request of a coal of the Virginia Code? Yes No	owner accor	ding to Sect	tion 45.1-333.B.1
Note: If a coal seam was located, through the coal is attached in acc Virginia Code	the part of ordance with	the survey Section 45.	from the surface .1-333.B.3 of the
Deviation Surveys Deviation surveys were X were not the Virginia Code "to the bottom of	required the lowers	under Secti published co	ion 45.1-333.C of oal seam depth."
Note: If a deviation survey(s) was are as follows:	/were requir	red, the surv	vey results
Depth Feet/Degree Deviated of Survey From True Vertical			Degree Deviated n True Vertical
See Attachment			
		_	
A continuous survey waswas not X the Virginia Code.	_		
Note: If a continuous survey was r Changes in the Permitted Well Work:		e survey resu	ults are attached.
The well operator did did not X work, verbally approved by the Regulation 4.03 of the Regulations the purpose of insuring successful NOTE: The nature and purpose of ea below or on additional sheet	make any character of the under the completion of the completion of the character such characters such character such characters	Or Assistant Virginia Oil of the well on nge, if any,	t Inspector under l and Gas Act, for work.
Confidentiality Status: Confidentiality status under Section The operator requests that information confidential (after COMPLETION DATE X Ninety (90) days two (2) years, if the well in	ormation l	herein and l) for a per	log(s) be kept

DRILLER'S LOG Compiled by R.J. MACDONALD

Geologica	l Ger	neral		De	pth		
Age	Formation Lith	hology	Color	Top	Bottom	Thickness	Remarks
				•	1510	15/0	
PENNSYLVANIAN	SAND, SHALE & THIN C	COALS		0	1548	1548	
PENNSYLVANIAN	MIDDLE SEABOARD COA	L		1548	1550	2	
PENNSYLVANIAN	SAND SHALE & THIN C	COALS		1550	1825	275	
PENNSYLVANIAN	C-SEAM RIDER COAL			1825	1827	2	
PENNSYLVANIAN	SAND, SHALE, & THIN	COALS		1827	1875	48	
PENNSYLVANIAN	WARCREEK COAL			1875	1878	3	
PENNSYLVANIAN	SAND, SHALE & THIN	COALS		1878	1905	27	
PENNSYLVANIAN	UNNAMED "C" COAL			1905	1907	2	
PENNSYLVANIAN	SAND, SHALE, & THIN	COALS		1907	1928	21	
PENNSYLVANIAN	BECKLEY COAL			1928	1931	3	
PENNSYLVANIAN	SAND, SHALE, & THIN	COALS		1931	2660	729	
MISSISSIPPIAN	RED ROCK			2660	2668	8	
MISSISSIPPIAN	SHALE			2668	2677	9	
	LOGGER'S TOTAL DEPT	CH		2677			

DIRECTIONAL SURVEY WELL VC1935

DEPTH	DEGREES
204	3/4°
420	1°
606	1/4°
810	1/4°
1004	1/2°
1222	1/2°
1411	3/4°
1598	1°
1815	1/4°
2034	1°
2198	1°
2689	1°



fax transmittel memo 767 # of pages

COMPANY Equitable Resources Exploration ADDRESS 1989 E, Stone Dr., Kingsport, TN 37660 WELL NAME ____ VC-1935 FARM N. M. Dool Tr. LEASE NO. PO-148 ELEVATION 2342.80 ACRES 184.21 QUADRANGLE Nerg COUNTY Dickenson DISTRICT Ervinten __ REG. NO._ REG. ENGINEER CERT. LAND SURVEYOR __ X CERT. NO. __1355 FILE NO. _____ DRAWING NO. _ DATE November 13 1990 SCALE 1" = 400"

This plat is ___ is __ is not based on a mine coordinate system established for the areas of the well locations,

WELL LOCATION MAP

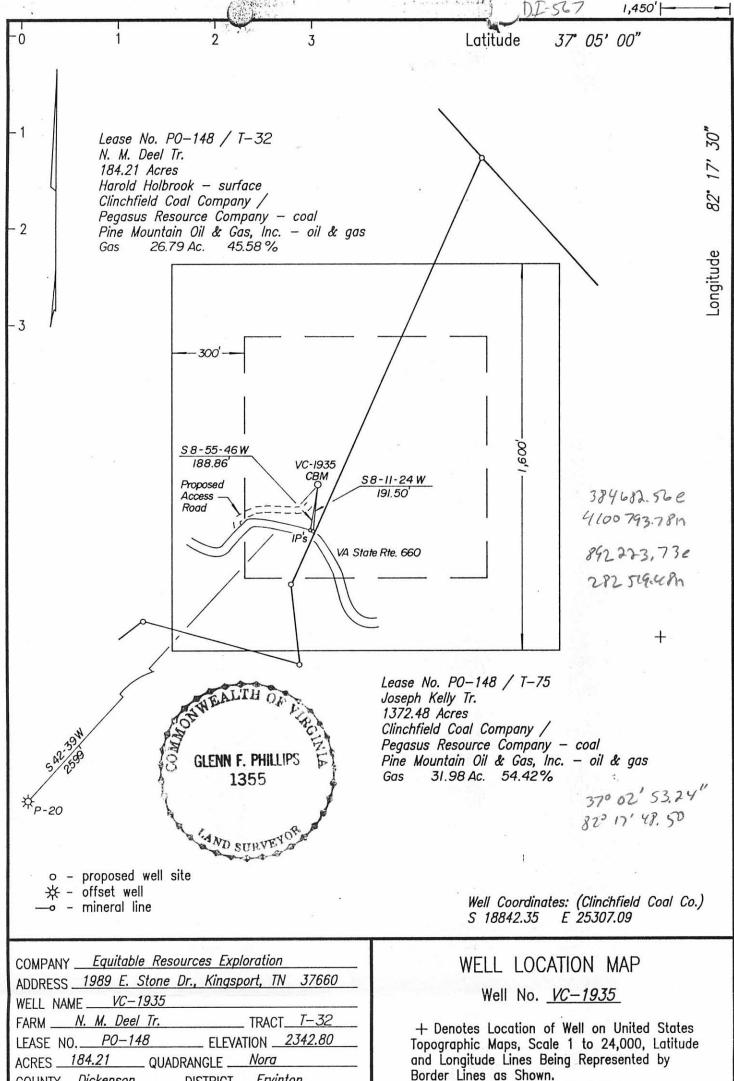
Well No. VC-1935

+ Denotes Location of Well on United States Topographic Maps, Scale 1 to 24,000, Lalitude and Longitude Lines Being Represented by Border Lines as Shown.

CERTIFICATION OF WELL PLAT

I, the undersigned hereby certify that this plat is correct to the best of my knowledge and belief, and shows all the information required by law and the regulations of the VA Well Rewiew Board.

Registered Engineer or Cartifled



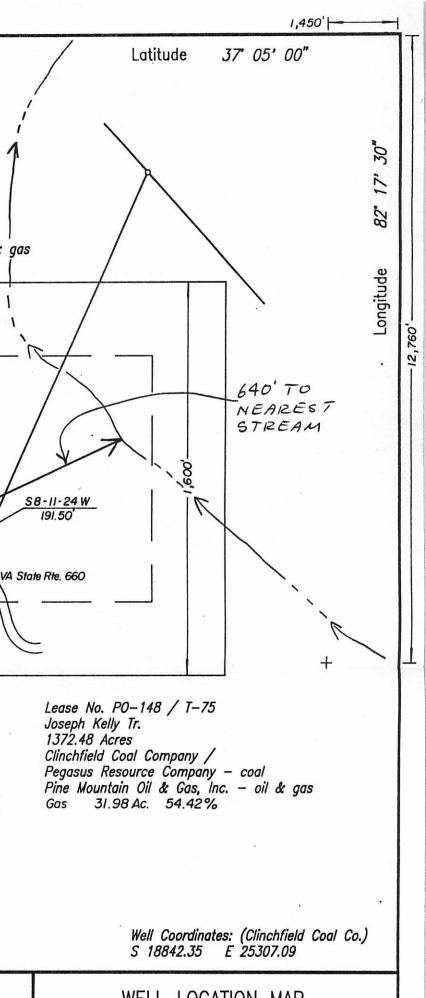
COUNTY <u>Dickenson</u> DISTRICT <u>Ervinton</u> REG. NO._ REG. ENGINEER _ CERT. LAND SURVEYOR ____X___ CERT. NO. ___1355 FILE NO. _ DRAWING NO. November 13, 1990 SCALE This plat is \underline{x} new $\underline{\hspace{0.5cm}}$ updated This plat $\underline{\hspace{0.5cm}} \underline{x}$ is $\underline{\hspace{0.5cm}}$ is not based on a mine coordinate system established for the areas

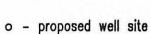
of the well locations. FORM DGO-GO-5 Border Lines as Shown.

CERTIFICATION OF WELL PLAT

I, the undersigned hereby certify that this plat is correct to the best of my knowledge and belief, and shows all the information required by law and the regulations of the VA Well Rewiew Board.

> Registered Engineer or Certified Land Surveyor in Charge





- → offset well - - mineral line

COMPANY <u>Equitable Resources Exploration</u> ADDRESS 1989 E. Stone Dr., Kingsport, TN FARM N. M. Deel Tr. _ TRACT__*T-32* _ ELEVATION __*2342.80* LEASE NO .__ PO-148 ACRES 184.21 QUADRANGLE Nora COUNTY <u>Dickenson</u> DISTRICT <u>Ervinton</u> REG. ENGINEER __ _ REG. NO. . X_____ CERT. NO. ____1355 CERT. LAND SURVEYOR _ FILE NO. _ DRAWING NO. . November 13, 1990 SCALE

3

VC-1935

Lease No. PO-148 / T-32 N. M. Deel Tr.

Harold Holbrook — surface Clinchfield Coal Company /

26.79 Ac.

Pegasus Resource Company - coal

S8-55-46W

GLENN F. PHILLIPS

1355

188.86

Proposed

Road

Pine Mountain Oil & Gas, Inc. - oil & gas

45.58%

184.21 Acres

- 2

3

875' To

NEAREST

HOUSE AND

WATER WELL

This plat is \underline{x} new $\underline{\hspace{1cm}}$ updated This plat $\underline{\hspace{1cm}} \underline{x}$ is $\underline{\hspace{1cm}}$ is not based on a mine coordinate system established for the areas of the well locations.

FORM DG0-G0-5 DF-567

WELL LOCATION MAP

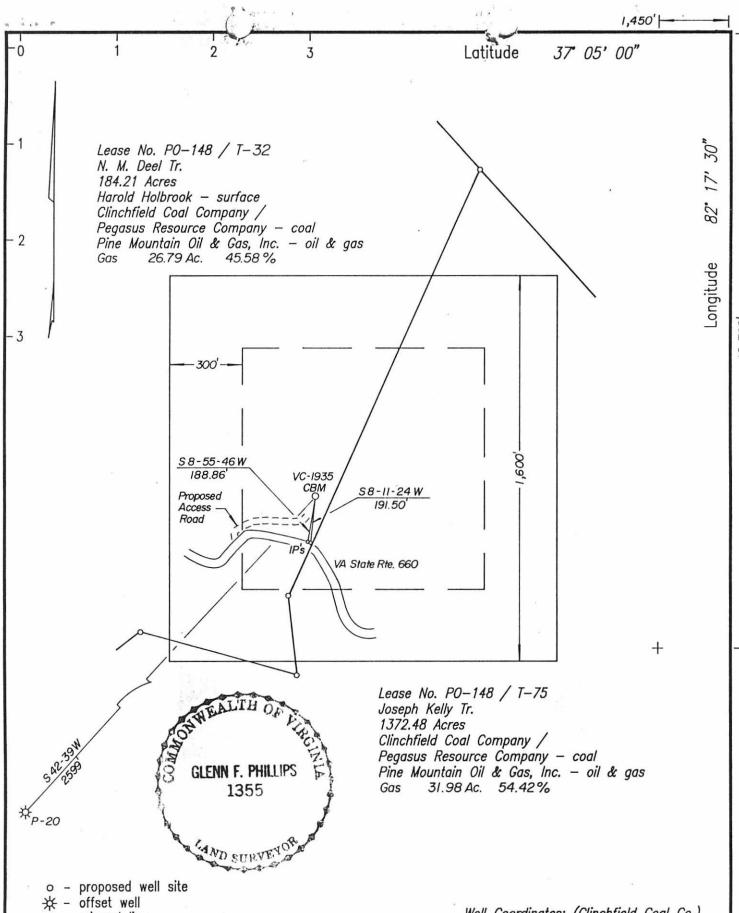
Well No. <u>VC-1935</u>

+ Denotes Location of Well on United States Topographic Maps, Scale 1 to 24,000, Latitude and Longitude Lines Being Represented by Border Lines as Shown.

CERTIFICATION OF WELL PLAT

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Registered Engineer or Certified
Land Surveyor in Charge



- mineral line

Well Coordinates: (Clinchfield Coal Co.) S 18842.35 E 25307.09

COMPANY <u>Equitable Resources Exploration</u> ADDRESS 1989 E. Stone Dr., Kingsport, TN VC-1935 WELL NAME _ N. M. Deel Tr. _ TRACT__*T-32* FARM _ PO-148 _ ELEVATION *__2342.80* LEASE NO._ ACRES <u>184.21</u> QUADRANGLE <u>Nora</u> COUNTY <u>Dickenson</u> DISTRICT <u>Ervinton</u> REG. ENGINEER _____ REG. NO. X ____ CERT. NO. ____1355 CERT. LAND SURVEYOR ___ _ DRAWING NO. . 1'' = 400'November 13, 1990 SCALE

This plat is \underline{x} new $\underline{\hspace{1cm}}$ updated This plat $\underline{\hspace{1cm}} \underline{x}$ is $\underline{\hspace{1cm}}$ is not based on a mine coordinate system established for the areas of the well locations.

FORM DGO-GO-5

WELL LOCATION MAP

Well No. <u>VC-1935</u>

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> Registered Engineer or Certified Land Surveyor in Charge