



Date: April 8, 19 82

Operator's Well No. Cornell - 3

API Well No. 47 073 -1071-1471

State County Permit

(CORRECTED PERMIT NO:)

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION
OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil / Gas
(If "Gas", Production _____ / Underground storage _____ / Deep _____ / Shallow)

LOCATION: Elevation: 962' Watershed: Cow Creek
District: Jefferson County: Pleasants Quadrangle: Schultz

WELL OPERATOR Energex Oil & Gas Corp. DESIGNATED AGENT Walter Allen
Address POB 5306 Address POB 5306
Vienna, WV 26105 Vienna, WV 26105

OIL & GAS ROYALTY OWNER W. D. Cornell, Etal
Address Rt. #1, Box 57
St. Marys, WV
Acreage 35 Ac. & 96P

COAL OPERATOR _____
Address _____

SURFACE OWNER W. D. Cornell, Etal
Address Rt. #1, Box 57
St. Marys, WV
Acreage 35 Ac. & 96P

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name _____
Address RECEIVED
Name APR 12 1982
Address OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

FIELD SALE (IF MADE) TO:
Address _____

COAL LESSEE WITH DECLARATION ON RECORD:
Name _____
Address _____
Phone: (304) 758-4764

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Robert Lowther
Address General Delivery
Middlebourne, WV 26140

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease other contract _____ / dated March 22, 19 82, to the undersigned well operator from W. D. Cornell and James L. Cornell
(IF said deed, lease, or other contract has been recorded:)

Recorded on _____, 19_____, in the office of the Clerk of the County Commission of _____ County, West Va., in _____ Book _____ at page _____. A permit is requested as follows:

PROPOSED WORK: Drill / Drill deeper _____ / Redrill _____ / Fracture or stimulate _____ / Plug off old formation _____ / Perforate new formation _____ / Other physical change in well (specify) _____
—planned as shown on the work order on the reverse side hereof.

The above named coal operator, coal owner(s), and coal lessee are hereby notified that any objection they wish to make or are required to make by Code §22-4-3 must be filed with the Department of Mines within fifteen (15) days after the receipt of this Application by the Department.

Copies of this Permit Application and the enclosed plat and reclamation plan have been mailed by registered mail or delivered by hand to the above named coal operator, coal owner(s), and coal lessee on or before the day of the mailing or delivery of this Permit Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:
WEST VIRGINIA OIL AND GAS CONSERVATION COMMISSION
1615 WASHINGTON STREET EAST
CHARLESTON, WV 25311
TELEPHONE: (304) 348-3092
TELEPHONE: (304) 348-3092

ENERGEX OIL & GAS CORPORATION

Well Operator
By Danell Boice
Its _____ Agent

BLANKET BOND

PROPOSED WORK ORDER

THIS IS AN ESTIMATE ONLY:
ACTUAL INFORMATION MUST BE SUBMITTED ON FORM IV-35 UPON COMPLETION

DRILLING CONTRACTOR (IF KNOWN) Paul Drilling Corp.

Address POB 1841
Parkersburg, WV 26101

GEOLOGICAL TARGET FORMATION, Berea

Estimated depth of completed well, 2000 feet Rotary X / Cable tools /

Approximate water strata depths: Fresh, 250 feet; salt, 400 feet.

Approximate coal seam depths: None Is coal being mined in the area? Yes / No X /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft	New	Used	For drilling	Left in well		
Conductor	10-1/2	ST-C	24		X	300	300	To Surface	Kinds
Fresh Water	8-5/8	ST-C	24	X		1100	(1100 ft needed)	Fill-up 100'	
Coal									Sizes
Intermediate									
Production	4-1/2	ST-C	9 1/2	X			2000	Fill-up above 2nd Cow Run	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code § 22-4-2, (iii) Form IV-9, "Reclamation Plan", applicable to the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code § 22-4-12a, and (v) if applicable, the consent required by Code § 22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22,
ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY
APPROVED FOR Drilling. THIS PERMIT SHALL EXPIRE
IF OPERATIONS HAVE NOT COMMENCED BY 12-16-82
BY [Signature]

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code § 22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof.

WAIVER

The undersigned coal operator / owner / lessee / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: , 19

By

Its

file

#904

IV-9
(Rev 8-81)



DATE April 5, 1982
WELL NO. Cornell - 3
API NO. 47 - 075 - 1471

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME Energex Oil & Gas Corp. DESIGNATED AGENT Walter H. Allen
Address P. O. Box 5306, Vienna, WV 26105 Address P.O. Box 5306, Vienna, W
Telephone (304) 295-8501 Telephone (304) 295-8501
LANDOWNER W. D. Cornell SOIL CONS. DISTRICT Upper Ohio
Revegetation to be carried out by Energex Oil and Gas Corporation (Age)

This plan has been reviewed by Upper Ohio SCD. All corrections
and additions become a part of this plan: 4/7/82
(Date)
Kenneth B. Plasm
(SCD Agent)

ACCESS ROAD		LOCATION
Structure <u>Culvert</u> <u>12" dia.</u> (A)		Structure _____
Spacing <u>-If Necessary-</u>		Material _____
Page Ref. Manual <u>2-7</u>		Page Ref. Manual _____
Structure <u>Stone</u> (B)		Structure _____
Spacing <u>If Necessary</u>		Material _____
Page Ref. Manual _____		Page Ref. Manual _____
Structure _____	<u>APR 12 1982</u>	Structure _____
Spacing _____	<u>OIL AND GAS DIVISION</u> <u>WV DEPARTMENT OF MINES</u>	Material _____
Page Ref. Manual _____		Page Ref. Manual _____

SKETCH

All structures should be inspected regularly and repaired if necessary. All commercial timber is to be cut and stacked and all brush and small timber to be cut and removed from the site before dirt work begins.

REVEGETATION

Treatment Area I		Treatment Area II	
Lime _____ Tons/acre		Lime _____ Tons/acre	
or correct to pH <u>6.5</u>		or correct to pH _____	
Fertilizer <u>500</u> lbs./acre		Fertilizer _____ lbs/acre	
(10-20-20 or equivalent)		(10-20-20 or equivalent)	
Mulch <u>Hay or Straw</u> 2 Tons/acre		Mulch _____ Tons/acre	
Seed* <u>Ky#31 Fescue</u> 40 lbs/acre		Seed* _____ lbs/acre	
<u>Redtop</u> 8 lbs/acre		_____ lbs/acre	
_____ lbs/acre		_____ lbs/acre	

*Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium. Inoculate with 3X recommended amount.

NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as summary for comments.

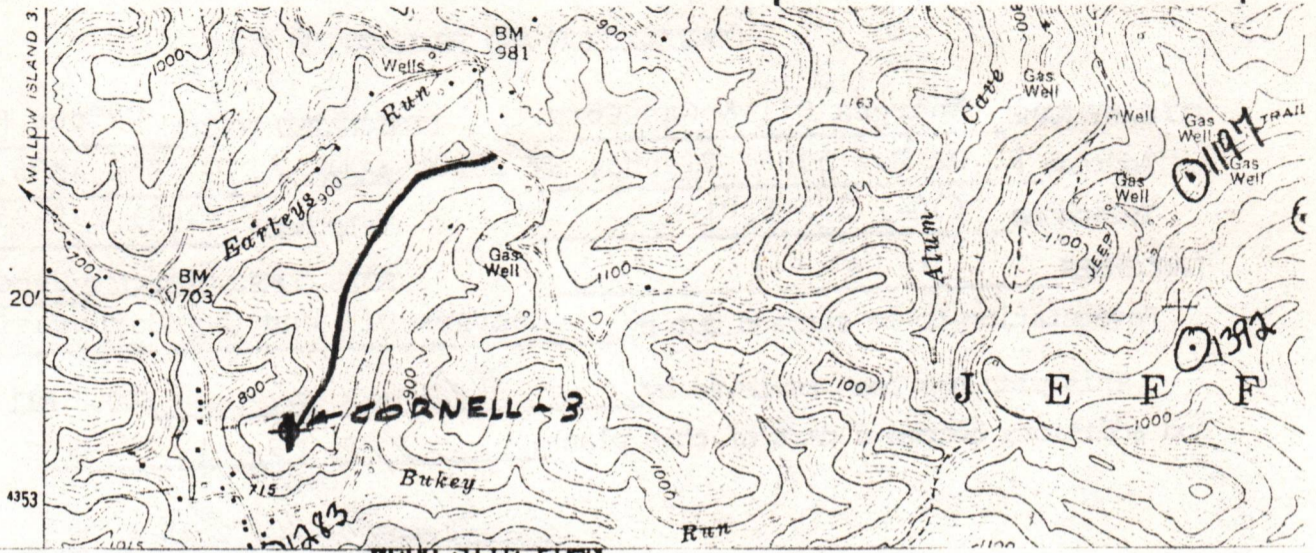
PLAN PREPARED BY Samuel B. Boice
ADDRESS P. O. Box 5306
Vienna, WV 26105
PHONE NO. (304) 295-8501

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE SCHULTZ

LEGEND













Well Site 

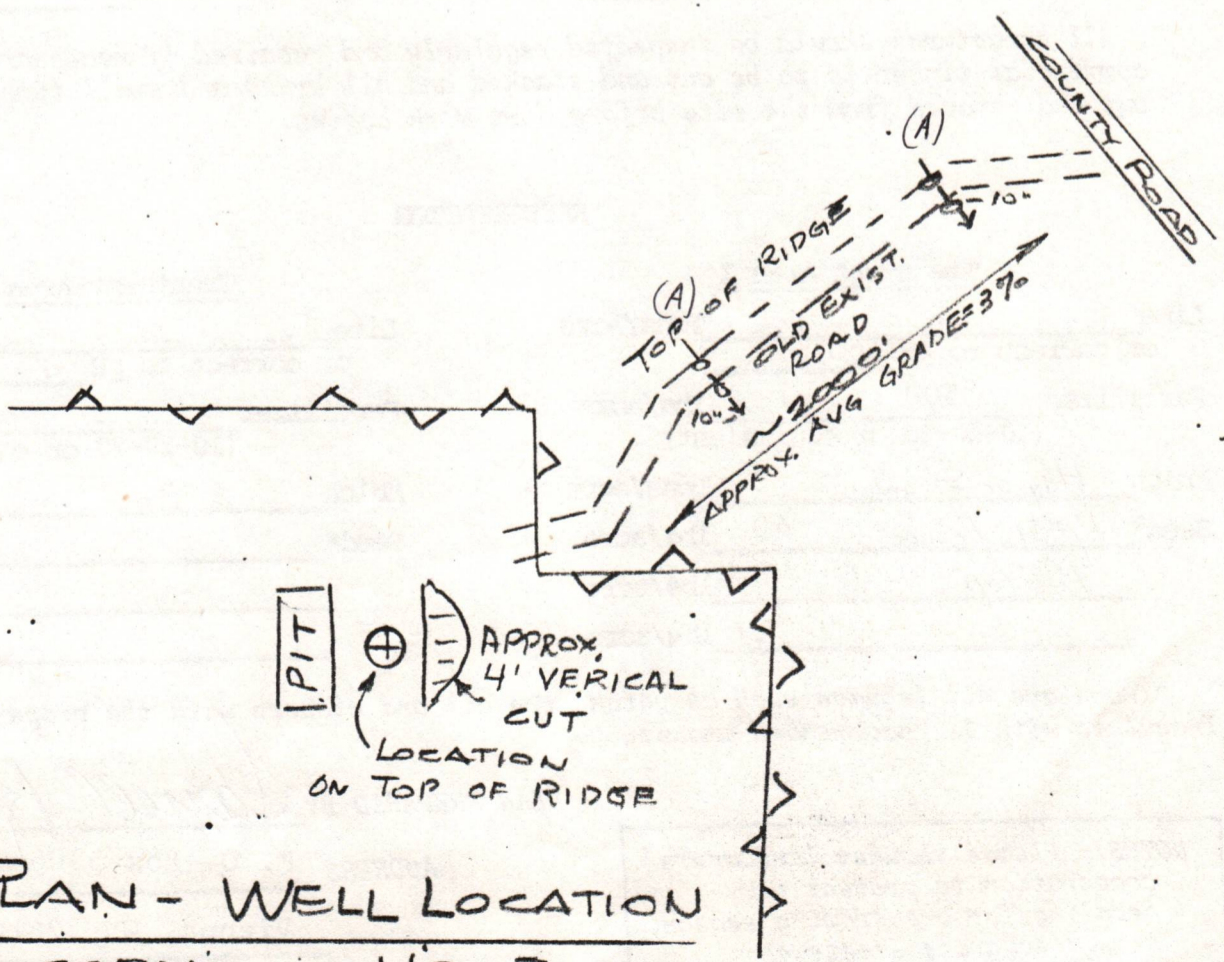
Access Road 



Sketch to include well location, existing access road, roads to be constructed, wells, drilling pits and necessary structures numbered or lettered to correspond with the first part of this plan. Include all natural drainage.

LEGEND

Property boundary 	Diversion 
Road 	Spring 
Existing fence 	Wet spot 
Planned fence 	Building 
Stream 	Drain pipe 
Open ditch 	Waterway 



PLAN - WELL LOCATION
CORNELL No 3



BJ-HUGHES Inc.

A SUBSIDIARY OF HUGHES TOOL COMPANY

P.O. BOX 2250 LONG BEACH, CALIFORNIA 90801

TREATMENT LOG

Acid Stage No. _____

Date 5-22-82 District Hickory F. O. No. 37031
 Company Ellinger
 Fee Connell #3 Well No. 23
 County Pleasants State W.Va.
 Location Shute Pit Field _____
 Casing: Size 10 3/4" Type & Wt. 40 # Set at 171 ft.
 Perf. From _____ ft. to _____ ft. No. of Perf. _____
 From _____ ft. to _____ ft. No. of Perf. _____
 From _____ ft. to _____ ft. No. of Perf. _____
 Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.
 Cemented: Yes/No. Perforated From _____ ft. to _____ ft.
 Tubing: Size _____ Swung at _____ ft.
 Perforated From _____ ft. to _____ ft.
 Formation: _____
 Open Hole Size 12 1/2 T.D. 315 ft. P.B. to _____ ft.

Type Treatment: Amt. _____
 Bkdown _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 _____ Bbl./Gal. _____
 Flush _____ Bbl./Gal. _____
 Treated From _____ ft. to _____ ft. No. ft. _____
 From _____ ft. to _____ ft. No. ft. _____
 From _____ ft. to _____ ft. No. ft. _____
 Calculated Volume to: Load Hole _____ Bbl./Gal. Reach Form. _____ Bbl./Gal.
 Actual Volume of Oil/Water to Load Hole: _____ Bbl./Gal.
 Pump Trucks Used: 760
 Auxiliary Equipment 36015, P121
 Packer: _____ Set at _____ ft.
 Auxiliary Tools _____
 Plugging or Sealing Materials: Type & Amt. _____
 SOB (No & Type) _____

Company Representative _____

Treater Chuck Carter

TIME A.M./P.M.	PRESSURES		FLUID PUMPED DATA GAL./BBL.				REMARKS
	TUBING	CASING	TOTAL FLUID PUMPED	FLUID IN FORMATION	PUMPED PER TIME PERIOD	PUMPED PER MIN.	
7:00							Spot Test - Hook up - Hold Safely, Wait
12:30							1 hour on Rig to Run Casing
12:32			10		2		Start FW Pad to Circulate
12:31			24		4		FW PAD IN - Start Cmt.
12:33							Cmt In
12:42			17		2		START FW Disp
12:45							Disp In
							Close In Swage - Bleed Lines
							Rig Down - Job Complete
							171 TD
							- 20' Cmt Left In Hpl
							171' - 16.7 Gal. Disp.
							Cmt. was circulated
							to surface

RECEIVED

MAY 24 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Handwritten signature

JAN 28 1983

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES



IV-35
(Pev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date 1-27-83
Operator's
Well No. #3
Farm W. D. Cornell
API No. 47 - 073 - 1471

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil X / Gas X / Liquid Injection / Waste Disposal /
(If "Gas," Production / Underground Storage / Deep / Shallow /)

LOCATION: Elevation: 962' Watershed Cow Creek
District: Jefferson County Pleasants Quadrangle Schultz 7 1/2

COMPANY Energex Oil & Gas Corp.
ADDRESS 105 Alta St., Marietta, OH 45750
DESIGNATED AGENT Darrell Boice
ADDRESS P. O. Box 5306, Vienna, WV 26105
SURFACE OWNER W. D. Cornell
ADDRESS Rt. #1, Box 47, St. Marys, WV
MINERAL RIGHTS OWNER W.D. Cornell
1/2 James Cornell, P.O. Box 123, St. Marys, WV
ADDRESS 26170
OIL AND GAS INSPECTOR FOR THIS WORK Robert
Lowther ADDRESS Middlbourne, WV
PERMIT ISSUED April 8, 1982
DRILLING COMMENCED 5-21-82
DRILLING COMPLETED 5-27-82

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
13-10"			
9 5/8			
8 5/8			
7	1056	1056	220 sks
5 1/2			
4 1/2		2047	110 sks
3			
2			
Liners used			

IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED ON

GEOLOGICAL TARGET FORMATION Berea Depth 2,000 feet
Depth of completed well 2062 feet Rotary X / Cable Tools
Water strata depth: Fresh 150 feet; Salt None feet
Coal seam depths: None Is coal being mined in the area? NO

OPEN FLOW DATA
Producing formation Squaw Pay zone depth 1790 feet
Gas: Initial open flow 35 Mcf/d Oil: Initial open flow Trace Bbl/d
Final open flow 20 Mcf/d Final open flow 2 Bbl/d
Time of open flow between initial and final tests 4 hours
Static rock pressure 720 psig (surface measurement) after 24 hours shut in.
(If applicable due to multiple completion--)
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

(Continue on reverse side)

PLEASANTS 1471

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.

Perfs. 1785 to 1995 10 holes

Hydro Frac 1,000 gal. 15% Hcl.

38,000 sand 480 bbls gelled water

Avg. Psi 2300 at 24 BPM

200 S.C.F. N₂, 1,000 gal. 15% hcl to clean up formation

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Surf			0	1084	Sand & Shales
Salt Sand		X	1084	1124	Show of oil
Sand & Shales		X X	1124	1500	
Maxon		X	1500	1568	Show of Oil & Gas
Sand & Shales		X X	1568	1680	
Big Injun		X	1680	1744	
Shale		X	1744	1780	
Squaw		X	1780	1816	
Shale		X X	1816	2062 TD	

(Attach separate sheets as necessary)

ENERGEX OIL & GAS CORPORATION

Well Operator

By:

Date:

Robert M. Fooker, SECRETARY
JAN. 26, 1983

Note: Regulation 8.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including ... encountered in the working of a well."

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

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MAY 24 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1471

Oil or Gas Well _____
(KIND)

Company Energex oil & gas
Address Vienna W. Va.
Farm W.D. Cornell
Well No. 1
District Jefferson County Pleasant

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10	180	180	Size of
8 1/4			
6 5/8			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

Drilling commenced _____
Drilling completed _____ Total depth _____
Date shot _____ Depth of shot _____
Initial open flow _____ /10ths Water in _____ Inch
Open flow after tubing _____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Back pressure _____ lbs _____ hrs.
_____ bbls., 1st 24 hrs.
Fresh water _____ feet _____ feet
Salt water _____ feet _____ feet

CASING CEMENTED 10 SIZE 180 No. FT. 5-21-8 Date
NAME OF SERVICE COMPANY B.J. Hughes
COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: Cemented with 100 SKS light 3% H-1

5-21-82

R.A. Lowther 512

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STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S PLUGGING REPORT

MAY 24 1935
OIL AND GAS DIVISION
WEST VIRGINIA DEPARTMENT OF MINES

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location		Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES		CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION		RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

I hereby certify I visited the above well on this date.

DATE

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

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JUN - 2 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1471

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Energex oil & Gas</u>				
Address <u>Vienna W. Va</u>	Size			
Farm <u>W. D Cornell</u>	16			Kind of Packer
Well No. <u>3</u>	13			
District <u>Jefferson</u> County <u>pleasant</u>	10			Size of
Drilling commenced	8 1/4			
Drilling completed	6 3/8	<u>1087</u>	<u>1087</u>	Depth set
Date shot	5 3/16			
Initial open flow	3			Perf. top
Open flow after tubing	2			Perf. bottom
Volume	Liners Used			Perf. top
Lock pressure				Perf. bottom
COAL WAS ENCOUNTERED AT				
Fresh water				
Salt water				

CASING CEMENTED 6 5/8 SIZE 1087 No. FT 5-23-82 Date

NAME OF SERVICE COMPANY

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: cemented with 40 SKS class A neat cement

5-24-82

R.A. Lowther 512

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

DATE _____ I hereby certify I visited the above well on this date.

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

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OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

INSPECTOR'S WELL REPORT

Permit No. 073-1471

Oil or Gas Well _____
(KIND)

Company	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
<u>Energex Oil & Gas Corp</u>	Size			
<u>Veena W. Va.</u>	16			Kind of Packer
<u>W.D. Cornell</u>	13			
<u>Cornell 3</u>	10			Size of
<u>Jefferson</u> County <u>Pleasant</u>	8 1/4			
Drilling commenced _____	6 5/8			Depth set
Drilling completed <u>6-10-82</u> Total depth <u>2053</u>	5 3/16	<u>2037</u>	<u>2037</u>	
Date shot _____ Depth of shot _____	3			Perf. top
Initial open flow _____ /10ths Water in _____ Inch	2			Perf. bottom
Open flow after tubing _____ /10ths Merc. in _____ Inch	Liners Used			Perf. top
Volume _____ Cu. Ft.				Perf. bottom
Rock pressure _____ lbs. _____ hrs.	CASING CEMENTED <u>4 1/2</u> SIZE <u>2037</u> No. FT. <u>6-10-82</u> Date			
Oil _____ bbls., 1st 24 hrs.	NAME OF SERVICE COMPANY <u>B. J. Hughes</u>			
Fresh water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
Salt water _____ feet _____ feet	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names _____

Remarks: _____

6-10-82

R.A. Lowther 512

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner	Location	Amount	Packer	Location		
PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

_____ I hereby certify I visited the above well on this date.

DATE

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

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MAR 01 1983

INSPECTOR'S WELL REPORT OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

Permit No. 073-1471

Oil or Gas Well _____
(KIND)

Company Energies oil & gas
 Address Marietta O
 Farm Cornell
 Well No 3
 District Jefferson County Pleasant
 Drilling commenced _____
 Drilling completed _____ Total depth _____
 Date shot _____ Depth of shot _____
 Initial open flow _____ /10ths Water in _____ Inch
 Open flow after tubing _____ /10ths Merc. in _____ Inch
 Volume _____ Cu. Ft.
 Rock pressure _____ lbs _____ hrs.
 _____ bbls., 1st 24 hrs.
 Fresh water _____ feet _____ feet
 Salt water _____ feet _____ feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer _____
13			
10			Size of _____
8 1/4			
6 3/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Dat _____
 NAME OF SERVICE COMPANY _____
 COAL WAS ENCOUNTERED AT _____ FEET _____ INCHE
 _____ FEET _____ INCHES _____ FEET _____ INCHE
 _____ FEET _____ INCHES _____ FEET _____ INCHE

Drillers' Names _____
 Remarks: Re Claim work not completed

2-25-83

R.A. Lowther

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS WELLS DIVISION
INSPECTOR'S PLUGGING REPORT

Permit No. _____

Well No. _____

COMPANY _____ ADDRESS _____

FARM _____ DISTRICT _____ COUNTY _____

Filling Material Used _____

Liner Location Amount Packer Location

PLUGS USED AND DEPTH PLACED			BRIDGES	CASING AND TUBING		
CEMENT-THICKNESS	WOOD-SIZE	LEAD	CONSTRUCTION-LOCATION	RECOVERED	SIZE	LOST

Drillers' Names _____

Remarks: _____

Handwritten note: 12/1/51 for above well

DATE _____ I hereby certify I visited the above well on this date.



State of West Virginia
Department of Mines
Oil and Gas Division
Charleston 25305

RECEIVED

JUN 26 1984

OIL & GAS DIVISION
DEPT. OF MINES

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
February 29, 1984

COMPANY Energex Oil & Gas Corporation
105 Alta Street
Marietta, Ohio 45750-0905

PERMIT NO 073-1471 4/82
FARM & WELL NO W.D. Cornell # 3
DIST. & COUNTY Jefferson/Pleasants

RULE	DESCRIPTION	IN COMPLIANCE	
		YES	NO
23.06	Notification Prior to Starting Work	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.04	Prepared before Drilling to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.03	High-Pressure Drilling	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Required Permits at Wellsite	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.03	Adequate Fresh Water Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.02	Adequate Coal Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.01	Adequate Production Casing	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.04	Adequate Cement Strenght	<input checked="" type="checkbox"/>	<input type="checkbox"/>
15.05	Cement Type	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.02	Maintained Access Roads	<input checked="" type="checkbox"/>	<input type="checkbox"/>
25.01	Necessary Equipment to Prevent Waste	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.04	Reclaimed Drilling Pits	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.05	No Surface or Underground Pollution	<input checked="" type="checkbox"/>	<input type="checkbox"/>
23.07	Requirements for Production & Gathering Pipelines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.01	Well Records on Site	<input checked="" type="checkbox"/>	<input type="checkbox"/>
16.02	Well Records Filed	<input checked="" type="checkbox"/>	<input type="checkbox"/>
7.05	Identification Markings	<input checked="" type="checkbox"/>	<input type="checkbox"/>

I HAVE INSPECTED THE ABOVE CAPTIONED WELL AND RECOMMEND THAT IT BE RELEASED:

SIGNED Robert A. Lualaba

DATE June 22, 1984

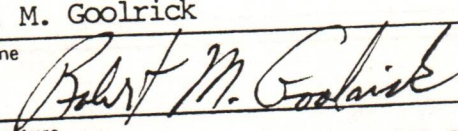
Your well record was received and reclamation requirements approved. In accordance with Chapter 22, Article 4, Section 2, the above well will remain under bond coverage for the life of the well.

T. L. Lualaba
Administrator-Oil & Gas Division

August 21, 1984

DATE

FERC-121

1.0 API well number: (If not available, leave blank. 14 digits.)	47-073-1471															
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA Category Code															
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	1790 feet															
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	<u>Energex Oil & Gas Corporation</u> Seller Code Name <u>P. O. Box 905, 221 Greene St.</u> Street <u>Marietta, OH</u> <u>45750</u> City State Zip Code															
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	<u>Shultz</u> Field Name <u>Pleasants Co.,</u> <u>WV</u> County State															
(b) For OCS wells:	Area Name Block Number Date of Lease: _____ Mo. Day Yr. OCS Lease Number															
(c) Name and identification number of this well: (35 letters and digits maximum.)	<u>W. Cornell No. 3</u>															
(d) If code 4 or 5 in 2.0 above, name of the reservoir: (35 letters maximum.)	_____															
6.0 (a) Name and code number of the purchaser: (35 letters and digits maximum. If code number not available, leave blank.)	<u>Consolidated Gas Supply Corp.</u> Buyer Code Name															
(b) Date of the contract:	<u>0, 3, 0, 4, 8, 3</u> Mo. Day Yr.															
(c) Estimated annual production:	25 MMcf.															
	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:35%;"></th> <th style="width:15%;">(a) Base Price (\$/MMBTU)</th> <th style="width:15%;">(b) Tax</th> <th style="width:15%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width:20%;">(d) Total of (a), (b) and (c)</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">7.0 Contract price: (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;">2.710</td> <td style="text-align: center;">.234</td> <td style="text-align: center;">.---</td> <td style="text-align: center;">2.944</td> </tr> <tr> <td style="padding: 5px;">8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)</td> <td style="text-align: center;">2.710</td> <td style="text-align: center;">.234</td> <td style="text-align: center;">.---</td> <td style="text-align: center;">2.944</td> </tr> </tbody> </table>		(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	2.710	.234	.---	2.944	8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.710	.234	.---	2.944
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8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.710	.234	.---	2.944												
9.0 Person responsible for this application:	<u>R. M. Goolrick</u> Secretary Name Title  Signature 614-373-6644 <u>Apr. , 1983</u> Phone Number Date Application is Completed															

Agency Use Only
Date Received by Juris. Agency
JUN 10 1983
Date Received by FERC

U.S. DEPARTMENT OF ENERGY
Federal Energy Regulatory Commission
Washington, D.C. 20426

**APPLICATION FOR DETERMINATION OF THE MAXIMUM LAWFUL
PRICE UNDER THE NATURAL GAS POLICY ACT (NGPA)**
(Sections 102, 103, 107 and 108)

PLEASE READ BEFORE COMPLETING THIS FORM:

General Instructions:

Complete this form if you are applying for price classification under sections 102, 103, 107 or 108 of the NGPA. A separate application is required for each well. If any reservoir qualifies for a category which differs from the category applicable to the producing well, separate applications must be made for the producing well and the reservoir. Complete each appropriate item on the reverse side of this page. The code numbers used in items 4.0 and 6.0 can be obtained from the Buyer/Seller Code Book. If there is more than one purchaser or contract, identify the additional information in the space below. Enter any additional remarks in the space below.

Submit the completed application to the appropriate Jurisdictional Agency as listed in title 18 of the CFR, part 270.103. If there are any questions, call (202) 275-4539.

Specific Instructions for Item 2.0, Type of Determination:

<u>Section of NGPA</u>	<u>Category Code</u>	<u>Description</u>
102	1	New OCS Lease
102	2	New onshore well (2.5 mile test)
102	3	New onshore well (1,000 feet deeper test)
102	4	New onshore reservoir
102	5	New reservoir on old OCS Lease
103	-	New onshore production well
107	-	High cost natural gas
108	-	Stripper well

Other Purchasers/Contracts:

<u>Contract Date</u> (Mo. Day Yr.)	<u>Purchaser</u>	<u>Buyer Code</u>
_____	_____	_____
_____	_____	_____
_____	_____	_____

Remarks:

JUN 10 1983

PANTS:

DATE: OCT 28 1983

BUYER-SELLER CODE

OPERATOR:

Energex Oil & Gas Corp.

FIRST PURCHASER:

Consolidated Gas Supply Corp.

004228

OTHER:

1000

Qual R/B

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
830613 - 103-073 = 1471
 Use Above File Number on all Communications
 Relating to Determination of this Well

073-

QUALIFIED

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

1. FERC -121 Items not completed - Line No. 7.0 + 8.0 c
2. IV-1 Agent Darrell Boice
3. IV-2 Well Permit
4. IV-6 Well Plat
5. IV-35 Well Record Drilling Deepening
6. IV-36 Gas-Oil Test: Gas Only Was Oil Produced? Ratio
7. IV-39 Annual Production — years
8. IV-40 90 day Production — Days off line: —
9. IV-48 Application for certification. Complete?
- 10-17. IV Form 51 - 52 - 53 - (54) - 55 - 56 - 57 - 58 Complete? Affidavit Signed
- 18-28. Other: Survey — Logs — Geological Charts —
 Structure Map — 1: 4000 Map — Well Tabulations —
 Gas Analyses —
- (5) Date commenced: 5-21-82 Date completed 5-27-82 Deepened —
- (5) Production Depth: 1790
- (5) Production Formation: Squaw
- (5) Final Open Flow: 20 MCF
- (5) After Frac. R. P. 720 # 24 hrs.
- (6) Other Gas Test: —
- (7) Avg. Daily Gas from Annual Production: —
- (8) Avg. Daily Gas from 90-day ending w/1-120 days —
- (8) Line Pressure: — PSIG from Daily Rep —
- (5) Oil Production: — From Completion Report —
- 10-17. Does lease inventory indicate enhanced recovery being done No
- 10-17. Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? yes
- Additional information — Does computer program confirm? —
- Was Determination Objected to — By Whom? —

7B

Date April 15 19 83

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

Operator's Well No. W. Cornell No. 3

API Well No. 47 - 073 - 1471
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT Darrell Boice

ADDRESS P. O. Box 5306
Vienna, WV 26105

WELL OPERATOR Energex Oil & Gas Corp.

LOCATION: Elevation 962'

ADDRESS P. O. Box 905
Marietta, OH 45750

Watershed Cow Creek

Dist. Jefferson County Pleasants Quad. Shultz

GAS PURCHASER Consolidated Gas Supply Corp.

Gas Purchase Contract No. 4482

ADDRESS 445 W. Main St.
Clarksburg, WV 26301

Meter Chart Code

Date of Contract March 4, 1983

* * * * *

Date surface drilling was begun: April 21, 1982

Indicate the bottom hole pressure of the well and explain how this was calculated:

$$BHP = P_1 + P_1 \left[e^{\left(\frac{QL}{53.34T} \right)} - 1 \right]$$

BHP = 741 psi

where: $P_1 = 710$ psi

$G = .67$

$L = 1792'$

$T = 65^\circ F$

AFFIDAVIT

I, Robert M. Godrick, having been first sworn according to law state that surface drilling of the well for which this determination is sought was begun on or after February 19, 1977; the well satisfies applicable state or federal well spacing requirements and the well is not within a proration unit, in existence at the time surface drilling began, which was applicable to the reservoir from which gas is or will be produced and which applied to any other well producing gas in commercial quantities or on which surface drilling began on or after February 19, 1977, and which was capable of producing gas in commercial quantities. I state, further, that I have concluded, to the best of my information, knowledge and belief, that the well for which this determination is sought is a new onshore production well and that I am not aware of any information not described in the application which is inconsistent with this conclusion.

Robert M. Godrick

STATE OF WEST VIRGINIA,

COUNTY OF Hood, TO WIT:

I, Emogene Shriner, a Notary Public in and for the state and county aforesaid, do certify that Robert M. Godrick whose name is signed to the writing above, bearing date the 21st day of April, 19 83, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 21st day of April, 19 83.

My term of office expires on the 1st day of Oct., 19 91.

[NOTARIAL SEAL]

Emogene Shriner
Notary Public



State of West Virginia
 Department of Mines
 Oil and Gas Division
 Charleston 25305

WALTER N. MILLER
 DIRECTOR

THEODORE M. STREIT
 ADMINISTRATOR

IN THE MATTER OF)
 PERMIT DENIAL AS)
 PROVIDED IN W. VA.)
 CODE 22-4-1(k)(i))

CAUSE NO. 40-D

ORDER NO. 2

REPORT OF THE OFFICE

Pursuant to the powers of the administrator in denying permits, under 22-4-1(k)(i) the office has issued the following order:

FINDINGS OF FACT

The following violations have been abated this date for Energex Oil & Gas Corp. :

47-073-1458	Reclamation	7-8-83	Abatement Date
47-073-1470	Reclamation	7-8-83	Abatement Date
47-073-1471	Reclamation	7-8-83	Abatement Date ✓
47-073-1510	Reclamation	7-8-83	Abatement Date
47-073-1532	Reclamation	7-8-83	Abatement Date

CONCLUSION OF LAW

The Office of Oil and Gas of the Department of Mines has authority to issue Orders to implement 22-4-et. seq. of the Code as outlined in 22-4-1g through 22-4-1k of the Code.


ORDER

Wherefore, it is hereby ordered that order Number 1 of this Cause is rescinded and permits may be issued again.

Entered in Charleston, West Virginia, this 18th day of April, 1984.

IN THE NAME OF THE STATE OF WEST VIRGINIA:

OFFICE OF OIL AND GAS
 OF THE DEPARTMENT OF MINES
 OF THE STATE OF WEST VIRGINIA

By: 
 Theodore M. Streit, Administrator

CM

IV-27
11/23/81



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Date: July 1 1983
Well No: 3
API NO: 47-073-1471
State County Permit

Oil and Gas Division NOTICE OF VIOLATION

WELL TYPE: Oil / Gas Liquid Injection / Waste Disposal /
Of "Gas" - Production / Storage / Deep / Shallow /

LOCATION: Elevation: 962 Watershed: Cow Creek
District: Jefferson County: Pleasants Quadrangle: Jchully

WELL OPERATOR Energy Oil & Gas Corp DESIGNATED AGENT Darrell Boice
Address 105 Delta St Address P.O. Box 5306
Marietta O. 45750 Vienna W.Va. 26105

The above well is being posted this 1 day of July, 1983, for a violation of Code 22-4-12B and/or Regulation _____, set forth in detail as follows:

(USE REVERSE SIDE OF THIS NOTICE IF NECESSARY)

Failure to Re Claim well site within 6 months after completion of Drilling

RECEIVED

JUL - 5 1983

OIL & GAS DIVISION
DEPT. OF MINES

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

You are hereby granted until July 8, 1983, to abate this violation.

Failure to abate the violation may result in action by the Department under Code 22-4-17 or Code 22-4-18.

Robert A. Lowther
Oil and Gas Inspector

Address Middlebourne
W.Va. 26149

Telephone: 758-4764

RECEIVED
SEP 27 1983

Date: Sept 23 83
Operator's Well Number 3
API Well No.: 47 - 073 - 1471
State County Permit

**OIL & GAS DIVISION
DEPT. OF MINES**

**STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OIL AND GAS DIVISION**

NOTICE OF ABATEMENT

WELL TYPE: Oil / Gas / Liquid Injection / Waste disposal /
Underground / Storage / Deep / Shallow /
If "Gas" - Production /
LOCATION: Elevation: 462 Watershed: low creeks
District: Jefferson County: pleasant Quadrangle: Schultz
WELL OPERATOR Energy 1780 Gas DESIGNATED AGENT _____
Address P.O. Box 105 Address _____
Marietta O. 45750

Notice is hereby given that the undersigned authorized oil and gas inspector made a special inspection of the above named well on Sept 23, 1983,
The violation of Code § 22-4-12B heretofore found to exist on July 1, 1983, by Form IV-27, "Notice of Violation" / Form IV-28, "Imminent Danger Order" of that date has been totally abated. If the abated violation was found by an Imminent Danger Order requiring operations to cease, such requirement is hereby rescinded, and the well operator is hereby notified that he may resume operations.

COMMENTS
well site Has been Re claimed

A copy of this notice has been posted at the well site and sent by certified or registered mail to the indicated well operator or his designated agent.

R. A. Lowther
Oil and Gas Inspector
Address _____
Telephone 758-4764

abated

M. J. 4/13/82

9390

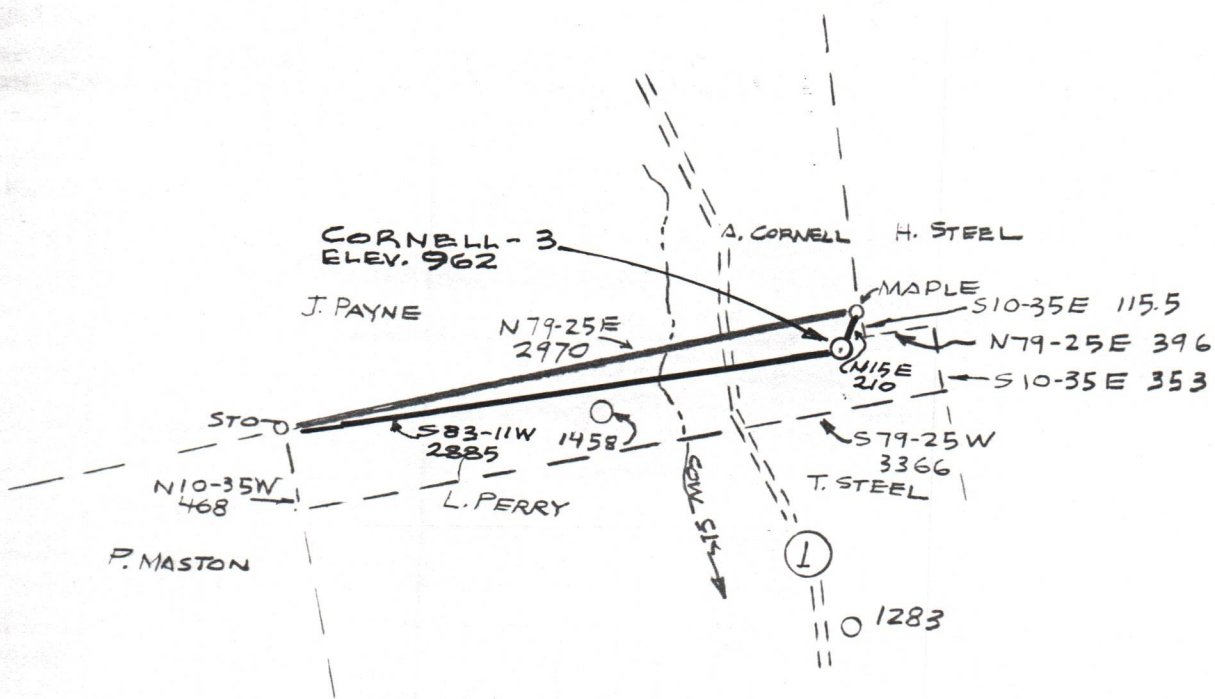
LATITUDE 39-20

15'

7 1/2

LONGITUDE 87-12-30

NORTH



NOTE - WELLS WITHIN 1200' RADIUS SHOWN

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 1000'
 MINIMUM DEGREE OF ACCURACY 1 IN 200
 PROVEN SOURCE OF ELEVATION ELEV. 714
 INTERS. OF ROADS

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 ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Daniel R Boice
 R.P.E. _____ L.L.S. 667

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6 (8-78)



DATE APR 6, 1982
 OPERATOR'S WELL NO. CORNELL-3
 API WELL NO. 47-073-1471
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL GAS LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS,") PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW
 LOCATION: ELEVATION 962 WATER SHED COW CREEK
 DISTRICT JEFFERSON COUNTY REASANTS
 QUADRANGLE SCHULTZ 7 1/2
 SURFACE OWNER W. D. CORNELL ACREAGE 35.6
 OIL & GAS ROYALTY OWNER W. D. CORNELL LEASE ACREAGE 35.6
 LEASE NO. _____
 PROPOSED WORK: DRILL CONVERT _____ DRILL DEEPER _____ REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND REPLUG _____
 TARGET FORMATION BERA ESTIMATED DEPTH 2000'
 WELL OPERATOR ENERGEX OIL & GAS DESIGNATED AGENT WALTER H. ALLEN
 ADDRESS P.O. Box 5306 VIENNA, W. VA 26105 ADDRESS P.O. Box 5306 VIENNA, W. VA 26105