



1) Date: April 16, 19 84
 2) Operator's Well No. Hardman #1
 3) API Well No. 47 - 013 - 3727
 State County Permit

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 870 Watershed: Little Rowles Run
 District: Lee County: Calhoun Quadrangle: Annamoriah 7.5
- 6) WELL OPERATOR United Petro, Ltd. 7) DESIGNATED AGENT Leo Hines
 Address P. O. Box 767 Address P. O. Box 575
Spencer, WV 25276 Spencer, WV 25276
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Deo Mace Name Butler Drilling & Exploration, Inc.
 Address Rt. 1, Box 5 Address P. O. Box 176
SANDRIDGE, WV 25274 (655-7398) Spencer, WV 25276
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Berea
- 12) Estimated depth of completed well, 2500 feet
- 13) Approximate strata depths: Fresh, 150 feet; salt, 1200 feet.
- 14) Approximate coal seam depths: Unknown Is coal being mined in the area? Yes No
- 15) CASING AND TUBING PROGRAM

RECEIVED
 APR 17 1984
 OIL & GAS DIVISION
 DEPT. OF MINES

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									Kinds
Fresh water	<u>8-5/8</u>		<u>16</u>	<input checked="" type="checkbox"/>		<u>250</u>	<u>250</u>	<u>to surface</u>	<u>NEAT</u>
Coal									Sizes
Intermediate									
Production	<u>4 1/2</u>		<u>10.5</u>	<input checked="" type="checkbox"/>		<u>2500</u>	<u>2500</u>	<u>100 cu. ft.</u>	Depths, set
Tubing								<u>or as req. by rule 15.01</u>	
Liners									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-013-3727 Date May 15, 19 84

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. **Notification must be given to the District Oil and Gas Inspector, (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work.** In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires May 15, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond <u>BLANKET</u>	Agent: <u>LP</u>	Plat: <u>MW</u>	Casing: <u>MW</u>	Fee: <u>118</u>
---------------------	------------------	-----------------	-------------------	-----------------

[Signature]
 Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.



OFFICE USE ONLY

PERMIT MODIFICATIONS AND CONDITIONS (IF ANY) TO THE PROPOSED WELL WORK

1) Date: _____

2) Operator's Well No. _____

3) API Well No. _____

4) State _____

5) County _____

6) WELL OPERATOR: _____

7) DESIGNATED AGENT: _____

8) OIL & GAS INSPECTOR TO BE NOTIFIED: _____

9) DRILLING CONTRACTOR: _____

10) PROPOSED WELL WORK: _____

11) GEOLOGICAL TARGET FORMATION: _____

12) Estimated depth of completed well: _____ feet

13) Approximate true depth: _____ feet

14) Approximate coal depths: _____ feet

15) CASING AND TUBING PROGRAM:

Casing or Tubing Type	Size	Grade	Per ft	Weight	REGULATIONS		FOOTAGE INTERVALS	CENTRAL INTERVAL OR PACKERS	PACKERS
					Use	Test			
Production									
Intermediate									
Coal									
Pre-weld									
Conductor									

OFFICE USE ONLY

This part of Form IV-2(b) is to record the dates of certain occurrences and any follow-up inspections.

	Date	Date(s)
Application received		
Well work started		
Completion of the drilling process		
Well Record received		
Reclamation completed		

OTHER INSPECTIONS

Reason: _____

Reason: _____

Permit No.	Permit No.	Permit No.	Permit No.	Permit No.
104	104	104	104	104

05/17/2024

1) Date: April 16, 19 84
2) Operator's Well No. Hardman #1
3) API Well No. 47 - 013-3727
State County Permit

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES, OFFICE OF OIL & GAS

NOTICE OF APPLICATION FOR A WELL WORK PERMIT

4) SURFACE OWNER(S) OF RECORD TO BE SERVED

(i) Name Thelma Freshour
Address Box 10
Harmony, WV 25246
(ii) Name _____
Address _____
(iii) Name _____
Address _____

5(i) COAL OPERATOR None
Address _____

5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:
Name None
Address _____

Name _____
Address _____

5(iii) COAL LESSEE WITH DECLARATION ON RECORD:
Name None
Address _____

TO THE PERSON(S) NAMED ABOVE: You should have received this Form and the following documents:

- (1) The Application for a Well Work Permit on Form IV-2(B) (or Form IV-4 if the well is to be plugged, which sets out the parties involved in the drilling or other work, and describes the well and its location and, if applicable, the proposed casing and cementing program;
- (2) The plat (surveyor's map) showing the well location on Form IV-6; and
- (3) The Construction and Reclamation Plan on Form IV-9 (unless the well work is only to plug a well), which sets out the plan for erosion and sediment control and for reclamation for the site and access road.

RECEIVED
APR 17 1984

THE REASON YOU RECEIVED THESE DOCUMENTS IS THAT YOU HAVE RIGHTS REGARDING THE APPLICATION WHICH ARE SUMMARIZED IN THE "INSTRUCTIONS" ON THE REVERSE SIDE OF THE COPY OF THE APPLICATION (FORM IV-2(B) OR FORM 4, DESIGNATED FOR YOU. HOWEVER, YOU ARE NOT REQUIRED TO TAKE ANY ACTION AT ALL.

Take notice that under Chapter 22 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a Well Work Permit with the Administrator of the Office of Oil and Gas, West Virginia Department of Mines, with respect to a well at the location described on attached Application and depicted on attached Form IV-6. Copies of this Notice, the Application, the plat, and the Construction and Reclamation Plan have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Administrator.

OIL & GAS DIVISION
DEPT. OF MINES

6) EXTRACTION RIGHTS

Check and provide one of the following:

- Included is the lease or leases or other continuing contract or contracts by which I hold the right to extract oil or gas.
- The requirement of Code 22-4-1-(c) (1) through (4). (See reverse side for specifics.)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or leases or other contract or contracts providing for flat well royalty or any similar provision for compensation to the owner of the oil or gas in place which is not inherently related to the volume of oil or gas so extracted, produced or marketed? Yes No

If the answer above is No, nothing additional is needed. If the answer is Yes, you may use Affidavit Form IV-60.

See the reverse side for line item instructions, and for instructions concerning the required copies of the Notice and Application, plat, and Construction and Reclamation Plan.

The truth of the information on the Notice and Application is verified and sworn to and the Notice is signed on behalf of the Well Operator in my County and State by

WELL OPERATOR United Petro, Ltd.

By William A Lamb
Its President
Address P. O. Box 767
Spencer, WV 25276
Telephone (304) 927-4126

William A Lamb
this 16 day of April, 1984.
My commission expires 7/29, 1987.

Edison Mines
Notary Public, Roane County,
State of West Virginia

05/17/2024



1) Date: April 16, 19 84
 2) Operator's Well No. Hardman #1
 3) API Well No. 47 State 013 County Permit

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

- 4) WELL TYPE: A Oil / Gas
 B (If "Gas", Production / Underground storage _____ / Deep _____ / Shallow)
- 5) LOCATION: Elevation: 870 Watershed: Little Rowles Run
 District: Lee County: Calhoun Quadrangle: Annamorhah 7.5
- 6) WELL OPERATOR United Petro, Ltd. 7) DESIGNATED AGENT Leo Hines
 Address P. O. Box 767 Address P. O. Box 575
Spencer, WV 25276 Spencer, WV 25276
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
 Name Deo Mace Name Butler Drilling & Exploration, Inc.
 Address Rt. 1, Box 5 Address P. O. Box 176
SANDRIDGE, WV 25274 (655-7398) Spencer, WV 25276
- 10) PROPOSED WELL WORK: Drill / Drill deeper _____ / Redrill _____ / Stimulate
 Plug off old formation _____ / Perforate new formation _____
 Other physical change in well (specify) _____
- 11) GEOLOGICAL TARGET FORMATION, Berea
- 12) Estimated depth of completed well, 2500 feet
- 13) Approximate trata depths: Fresh, 150 feet; salt, 1200 feet.
- 14) Approximate coal seam depths: Unknown Is coal being mined in the area? Yes _____ / No
- 15) 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									Kinds
Fresh water	<u>8-5/8</u>		<u>16</u>	<input checked="" type="checkbox"/>		<u>250</u>	<u>250</u>	<u>to surface</u>	<u>NEAT</u>
Coal									Sizes
Intermediate									
Production	<u>4 1/2</u>		<u>10.5</u>	<input checked="" type="checkbox"/>		<u>2500</u>	<u>2500</u>	<u>100 cu. ft</u>	Depths set
Tubing								<u>or as req. by rule 15.01</u>	Perforations:
Liners									Top Bottom

INSTRUCTIONS TO COAL OPERATOR, OWNER, OR LESSEE

The 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.

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 the filing of the Application.

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 [Signature]
 Its _____

05/17/2024
 Coal Owner



IV-9
(Rev 8-81)

DATE 4/10/84
WELL NO. A. HARDMAN-1
API NO. 47-013-3727

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME United Petro LTD DESIGNATED AGENT Leo Hines
Address Box 767 Spencer WVa Address Box 575 Spencer WVa
Telephone 927-4126 Telephone 927-3549
LANDOWNER Thelma Freshour SOIL CONS. DISTRICT LITTLE KANAWHA
Revegetation to be carried out by John Jr Taylor (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 4-12-84 (Date)
Garrett Newton (SCD Agent)

RECEIVED
APR 17 1984

ACCESS ROAD	LOCATION	OIL & GAS DIVISION DEPT. OF MINES
Structure <u>DITCH</u> (A)	Structure <u>Diversion Ditch</u> (1)	
Spacing <u>Upper Side of Road</u>	Material <u>Soil</u>	
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>	
Structure <u>Culverts (12 inch or larger)</u> (B)	Structure <u>Drilling Pit</u> (2)	
Spacing <u>300' (As needed)</u>	Material <u>Soil</u>	
Page Ref. Manual <u>27</u>	Page Ref. Manual _____	
Structure _____ (C)	Structure _____ (3)	
Spacing _____	Material _____	
Page Ref. Manual _____	Page Ref. Manual _____	

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 <u>2</u> Tons/acre or correct to pH <u>6.5</u>		Lime <u>2</u> Tons/acre or correct to pH <u>6.5</u>	
Fertilizer <u>500</u> lbs/acre (10-20-20 or equivalent)		Fertilizer <u>500</u> lbs/acre (10-20-20 or equivalent)	
Mulch <u>Hay</u> 2 Tons/acre		Mulch <u>Hay</u> 2 Tons/acre	
Seed* <u>Ky 31 Fescue</u> 40 lbs/acre		Seed* <u>Ky 31 Fescue</u> 40 lbs/acre	
<u>Rye</u> 5 lbs/acre		<u>Rye</u> 5 lbs/acre	
_____ lbs/acre		_____ lbs/acre	

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

PLAN PREPARED BY Leo Hines 05/17/2024
ADDRESS PO Box 575
Spencer WVa 25276
PHONE NO. 927-3549

NOTES: Please request landowner's cooperation to protect new seeding for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP.

QUADRANGLE Annamoria 7.5

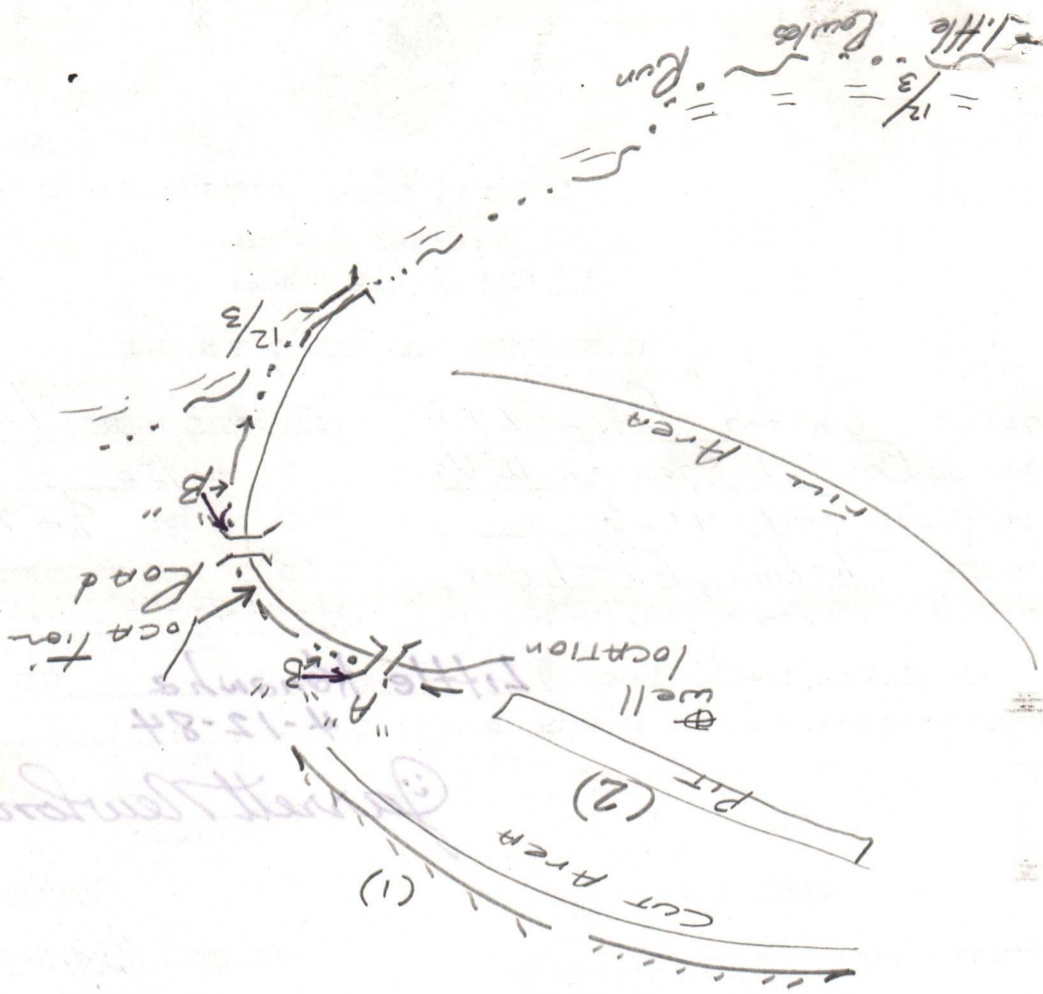
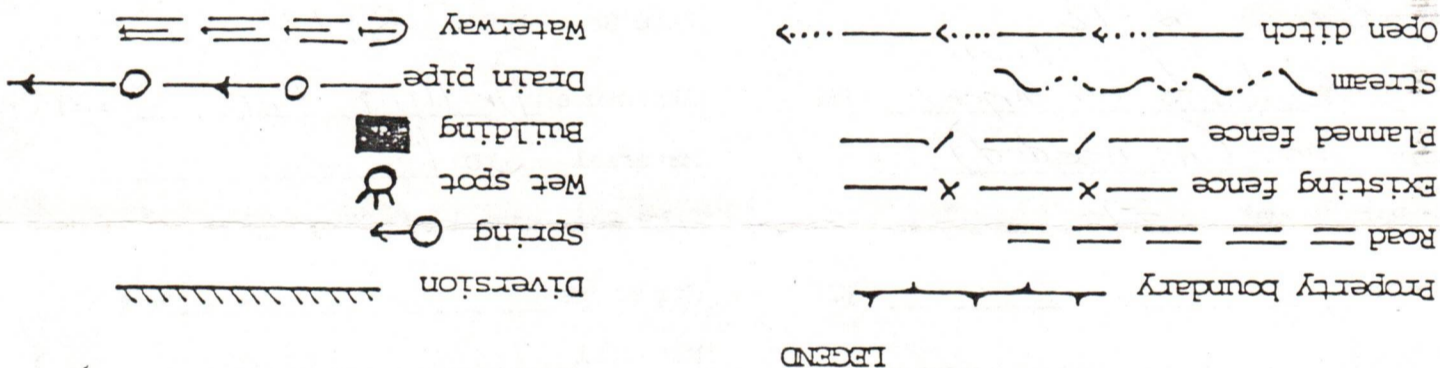
Copy of topo Attached

05/17/2024

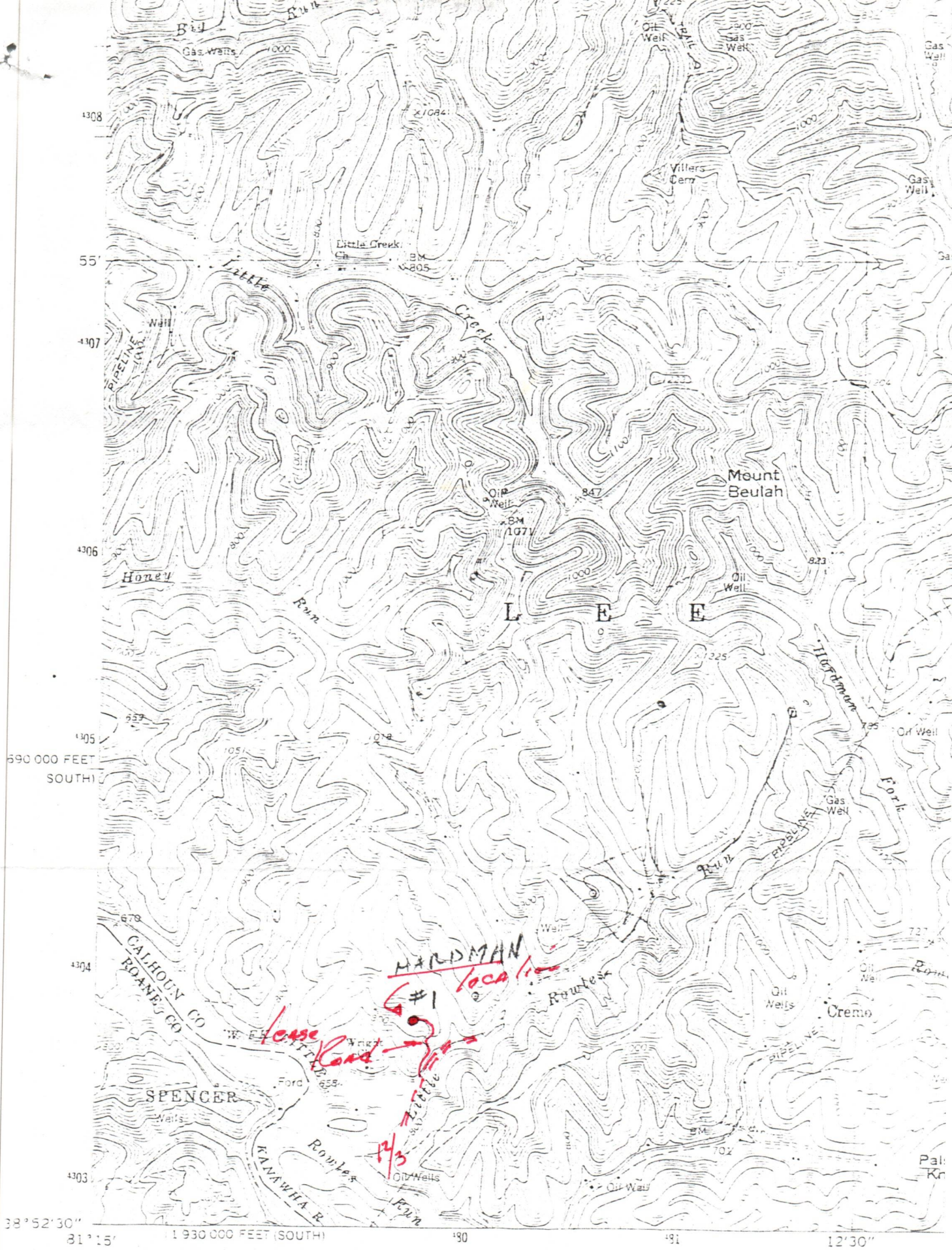
Access to County Road 12/3 on waters of Little Bowles Run, onto lease Road to Hardman No. 1 lease land to be maintained.

WELL SITE PLAN

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



DEPT. OF MINES
DIVISION



Mapped, edited, and published by the Geological Survey

Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs taken 1963. Field checked 1966

Polyconic projection. - 1927 North American datum

05/17/2024

THIS ASSIGNMENT, Made this the 3rd day of April, 1984, by
and between

FRANCIS E. CAIN, party of the first part, Assignor,

and

PETRO RESOURCES, LTD., a corporation, party of the
second part, Assignee.

RECEIVED

APR 17 1984

OIL & GAS DIVISION
DEPT. OF MINES

W I T N E S S E T H:

That for and in consideration of One (\$1.00) Dollar and
other good and valuable consideration, cash in hand paid, the receipt
of which is hereby acknowledged, the said Assignor does hereby grant,
convey, transfer and assign unto the said Assignee, all those certain
oil and gas leases and oil and gas leasehold estates created thereby,
situate on the waters of Little Rowels Run, in the District of Lee,
County of Calhoun, State of West Virginia, and more particularly bounded
and described as follows:

FIRST LEASE: All that certain parcel of land situate as
aforesaid and more particularly bounded and described as follows:

On the North by lands of Mud Farm and James Manning,

On the East by lands of R. Board Heirs,

On the South by lands of R. Board Heirs,

On the West by lands of Armadilla Farm,

containing 50 acres, more or less.

BEING the same leasehold estate created by the following lease
agreements:

1. Lease agreement dated August 26, 1981, recorded
in the office of the Clerk of the County Commission of Calhoun
County, West Virginia, in Lease Book 79, at page 42, from
Cleo H. Smith and Estella Mae Smith, his wife, to Francis
E. Cain, covering 50 acres.

05/17/2024

2. Lease agreement dated December 13, 1983, recorded in said Clerk's Office in Lease Book 87, at page 150, from Opal Foster Stalnaker and Fenton R. Stalnaker, her husband, to Francis E. Cain, covering a tract of 50 acres.

3. Lease agreement dated February 13, 1984, recorded in Lease Book 87, at page 580, from James P. Taney and Anne R. Taney, his wife, to Francis E. Cain, covering a tract of 50 acres.

SECOND LEASE: All that certain parcel of land situate as aforesaid and more particularly bounded and described as follows:

On the North by Grover Cooper,

On the East by Mason Tract,

On the South by Grimm Tract,

On the West by Stallman Tract, containing 22

acres, more or less.

BEING the same leasehold estate created by that certain lease agreement dated September 8, 1983, recorded in said Clerk's Office in Lease Book 86, at page 141, from Ralph Cunningham and Margaret Cunningham, his wife, to Francis E. Cain, covering a tract of 22 acres.

THIRD LEASE: All that certain parcel of land situate as aforesaid and more particularly bounded and described as follows:

On the North by Lydia M. Grimm (64-1/2 A.),

On the East by C. Sommers (10 A.),

On the South by John Wright (88-1/2 A.),

On the West by Reese Blizzard (61 A.),

containing 91-3/4 acres, more or less.

BEING the same leasehold estate created by the following lease agreements and extensions:

1. Lease agreement dated February 18, 1981, recorded in said Clerk's Office in Lease Book 75, at page 329, from Leslie Anne Smith, Natalie S. Smyth and George Smyth, her husband, Melanie Smith, Kathryn S. Sayre and D. H. Sayre, her husband, Jeanne S. Pollack and Merrill Pollack, her husband, and Lewis E. Smith to Russell G. Beall, covering a tract of 91-3/4 acres, more or less.

2. Lease agreement dated April 1, 1981, recorded in Lease Book 76, at page 223, from George Vandale and Wilma Vandale, his wife, June Varda and Benjamin J. Varda, her husband, Beverly Elberfield and Steven Elberfield, her husband, and Anita Tuason and C. O. Tuason, her husband, the last four named are by Orton A. Jones, their attorney-in-fact, to Russell G. Beall, covering a tract of 91-3/4 Acres.

3. Extension dated January 10, 1984, recorded in Lease Book 87, at page 429, from Kathryn S. Sayre, widow, Jeanne S. Pollack and Merrill Pollack, her husband, Lewis E. Smith, and Kathryn S. Sayre, Trustee under the will of Rober B. Smith, deceased, to Russell G. Beall, extending lease recorded in Lease Book 75, at page 329.

4. Extension dated January 10, 1984, recorded in Lease Book 87, at page 636, from George Vandale and Wilma Vandale, his wife, June Varda and Benjamin J. Varda, her husband, and Orton A. Jones, Attorney-in-Fact for Beverly Elberfield and Steven Elberfield, her husband, and Anita Tuason and C. O. Tuason, her husband, extending lease recorded in Lease Book 76, at page 223.

5. Assignment dated December 30, 1983, recorded in Lease Book 87, page 310, from Russell G. Beall to Frances E. Cain.

There is excepted and reserved from the above described leasehold estates, an undivided 1/16th overriding royalty of 7/8ths of all the oil and gas produced and marketed from the premises, in favor of Francis E. Cain.

There is further excepted and reserved from the above described leasehold estates, all formations 100 feet from the bottom of the Berea Sand or the horizons where the same are usually found, however, the Assignee is granted first option to obtain any assignment of the deep rights for a period of 100 days after receiving notice of any bona fide proposed transfer.

In the event that the Assignor or the Assignee acquires and drills the deep rights, the other party will have the right to participate in the working interest up to 50%.

In the event that the Assignee declares any well drilled by them as a dry hole, that before plugging the same, the same shall be offered to the Assignor to take over the well to either attempt to produce the same,, and in any event, to assume all further liability for plugging, and upon receiving an assignment of said well to relieve the Assignee from its drilling bond and all further liability.

The Assignee covenants and agrees to fully develop the three leasehold estates containing 22 acres, 50 acres and 91 acres, and that drilling of one well on the 22 acres and two wells on the 50 acres and four wells on the 91 acres shall be considered full compliance with the covenant to fully develop. In the event said wells are not drilled within a reasonable time, the Assignor shall have a right to notify in writing, to commence drilling to satisfy the covenant of development and the Assignee shall have four months to comply with said notice or surrender the undeveloped portion of any of said leases. Said four month period shall apply separately

05/17/2024

to each well not drilled, i. e., the Assignee has four months to comply with the drilling of each well and if there are more than two wells, the same periods are not to run concurrently, but consecutively.

WITNESS the following signature and seal:

Francis E. Cain (SEAL)
Francis E. Cain

STATE OF WEST VIRGINIA,
COUNTY OF CALHOUN to-wit:

I, Sharron Sue Williams, a Notary Public in and for said county and state, do hereby certify that FRANCIS E. CAIN, whose name is signed to the foregoing writing, bearing date the 3rd day of April, 1984, has this day acknowledged the same before me in my said county.

Given under my hand the 9th day of April, 1984.

Sharron Sue Williams
Notary Public

My commission expires December 11, 1989.

THIS INSTRUMENT PREPARED BY:

RICHARD H. BRUMBAUGH
Attorney at Law
212 Court Street
Spencer, WV 25276

STATE OF WEST VIRGINIA
CALHOUN COUNTY COMMISSION CLERK'S OFFICE April 12, 19 84 10:30 A.M.

The foregoing Assignment together with the certificate thereto annexed, was this day admitted to record in said office.

Fee: \$12.50

RICHARD N. STALNAKER, Clerk

By Cassandra Mae Parsons, Deputy.

05/17/2024



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES

Oil and Gas Division

WELL RECORD

RECEIVED
OCT 23 1984

OIL & GAS DIVISION
DEPT. OF MINES

Quadrangle Annamoriah 7.5

Permit No. 47-013-3727

Rotary Oil _____
Cable _____ Gas _____
Recycling _____ Comb.
Water Flood _____ Storage _____
Disposal _____ (Kind) _____

Company United Petro, Ltd.
Address P. O. Box 767, Spencer, WV 25276
Farm A. Hardman Acres 91.75
Location (waters) Little Rowles Run
Well No. 1 Elev. 870
District Lee County Calhoun
The surface of tract is owned in fee by _____
Thelma Freshour
Address Harmony, WV
Mineral rights are owned by George Vandale
et. al. Address Spencer, WV
Drilling Commenced 6/3/84
Drilling Completed 6/14/84
Initial open flow _____ cu. ft. _____ bbls.
Final production 1000M cu. ft. per day 5 bbls.
Well open 4 hrs. before test 790# RP.

Casing and Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft. (Sks.)
Size			
20-16			
Cond.			
13-10"			
9 5/8			
8 5/8	252	252	100 sks.
7			
5 1/2			
4 1/2	2444	2444	200 sks.
3			
2			
Liners Used			

Well treatment details:

Attach copy of cementing record.

Perforated Berea 2389-2400 (10 Holes)

Fractured with: 500 gal. acid; 15,000 lbs. 80/100 sand; 30,000 lbs. 20/40 sand; 452 bbl. water

Perforated Big Injun 1990-2000 (10 Holes)

Fractured with: 500 gal. acid; 15,000 lbs. 80/100 sand; 30,000 lbs. 20/40 sand, 428 bbl. water

Coal was encountered at None Feet _____ Inches _____
Fresh water 90 Feet _____ Salt Water 1090; 1250 Feet _____
Producing Sand Big Injun; Berea Depth 1990-2000; 2389-2400

Formation	Color	Hard or Soft	Top Feet	Bottom Feet	Oil, Gas or Water	Remarks
Soil			0	12		Drilled with Rotary Fluid Log Tops 1000 to TD
Shale			12	85		
Sand			85	112		
Shale, Sand, Red Rock			112	1035		
Sand			1035	1112		
Shale, Sandy			1112	1212		
Sand			1212	1318		
Shale			1318	1424		
Sand			1424	1442		
Shale			1442	1716		
Sand			1716	1760		
Shale			1760	1810		
Limestone			1810	1856		
Shale			1856	1866		
Big Lime			1866	1986		
Big Injun			1986	2018		
Shale			2018	2376		
Coffee Shale			2376	2388		
Berea			2388	2402		
Shale			2402	2501		
				2501	Total Depth	

05/17/2024

CAL 3727

(over)

* Indicates Electric Log tops in the remarks section.

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

RECEIVED

JUN 12 1984

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION

DEPT. OF MINES
Oil or Gas Well
(KIND)

Permit No. 13-3727

Company United Petro

Address _____

Farm Hardman

Well No. 1

District See County Cal.

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.

Oil _____ 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 5/8			Depth set _____
5 3/16			
3			Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Larry Stonestreet

Remarks: 252' of 8 5/8" 100 SKS cement, Dowell, 6-7-84
35' of 11 3/4" 25 SKS cement, Dowell 6-6-84

6-7-84
DATE

[Signature] 05/17/2024
DISTRICT WELL INSPECTOR

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

RECEIVED

JUN 6 - 1984

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 13-3727

Oil or Gas Well _____
(KIND)

Company <u>United Petro</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Cooper</u>	16			Kind of Packer _____
Well No. <u>1</u>	13			
District <u>See</u> County <u>Cal</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 5/8			Depth set _____
Date shot _____ Depth of shot _____	5 3/16			
Initial open flow _____ /10ths Water in _____ Inch	3			Perf. top _____
Open flow after tubing _____ /10ths Merc. in _____ Inch	2			Perf. bottom _____
Volume _____ Cu. Ft.	Liners Used			Perf. top _____
Rock pressure _____ lbs. _____ hrs.				Perf. bottom _____
Oil _____ bbls., 1st 24 hrs.	CASING CEMENTED _____ SIZE _____ No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	NAME OF SERVICE COMPANY _____			
Salt water _____ feet _____ feet	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Larry Stover

Remarks: Location built, rig will move on today.

6-31-84
DATE

W. M. ... 05/17/2024
DISTRICT WELL INSPECTOR

RECEIVED

MAR 1 2 1985



OIL & GAS DIVISION

DEPT. OF MINES

State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
November 13, 1984

COMPANY United Petro. Ltd.

PERMIT NO 013-3727

P. O. Box 767

FARM & WELL NO Thelma Freshour

Spencer, West Virginia 25276

Hardman #1
DIST. & COUNTY Lee/Calhoun

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

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

SIGNED *D. W. Mace*

DATE 3-6-85

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. H. ...
Administrator-Oil & Gas Division

March 13, 1985

DATE

1.0 API well number:
(If not available, leave blank. 14 digits.)

47-013-3727

2.0 Type of determination being sought:
(Use the codes found on the front of this form.)

103
Section of NGPA

RECEIVED

3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)

2400 feet NOV - 9 1984

4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)

United Petro, Ltd. Name
P.O. Box 767
Spencer, WV 25276 Street City State Zip Code

OIL & GAS DIV.
DEPT. OF MINES

5.0 Location of this well: (Complete (a) or (b).)

Richardson Oilfield Field Name
Calhoun WV 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.)

A. Hardman #1

(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.)

CNG Development Company Name Buyer Code

(b) Date of the contract:

Contract being negotiated
Mo. Day Yr.

(c) Estimated annual production:

36 MMcf.

	(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.)	Oct. 84 2.933	.411	.010	3.354
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	Oct. 84 2.933	.411	.010	3.354

9.0 Person responsible for this application:

William A. Lamb President Name Title
Signature
October 17, 1984 Date Application is Completed
(304) 927-4126 Phone Number

Agency Use Only
Date Received by Juris. Agency
NOV - 9 1984
Date Received by FERC

FT 7500507/2 2

05/17/2024

NOV 30 1984

COVER SHEET, STATE APPLICATION FOR WELL CLASSIFICATION

Date: October 17, 1984

AGENCY USE ONLY

Applicant's Name: United Petro, Ltd.

Address: P.O. Box 767
Spencer, WV 25276

Gas Purchaser Contract No. Contract being negotiated

Date of Contract Contract being negotiated
(Month, day and year)

First Purchaser: CNG Development Company

Address: One Park Ridge Center, P.O. Box 15746
(Street or P.O. Box) Pittsburgh, PA 15244
(City) (State) (Zip Code)

FERC Seller Code _____

WELL DETERMINATION FILE NUMBER
841109 -103-013-3727
Use Above File Number on all
Communications Relating to This Well

Designated Agent: Leo Hines

Address: P.O. Box 575
Spencer, WV 25276

FERC Buyer Code _____

NAME AND TITLE OF PERSON TO WHOM QUESTIONS CONCERNING THIS APPLICATION SHALL BE ADDRESSED:

Name: William A. Lamb President
(Print) (Title)

Signature: William A. Lamb

Address: P.O. Box 767
(Street or P.O. Box) Spencer, WV 25276
(City) (State) (Zip Code)

Telephone: (304) 927-4126
(Area Code) (Phone Number)

(Certificate of Proof of Service to Purchaser) *Certified Mail P 388 025 522*

NGPA Category Applied For

NGPA SECTION/SUBSECTION

- 02 New Natural Gas
 - 102-2 2.5 Mile Test
 - 102-3 1000 Foot Deeper Test
 - 102-4 New Onshore Reservoir
- 03 New Onshore Production Well
 - 103 New Onshore Production Well

- 108 Stripper Well Natural Gas
 - 108- Stripper Well
 - 108-1 Seasonally Affected
 - 108-2 Enhanced Recovery
 - 108-3 Temporary Pressure Buildup

- 07 High Cost Natural Gas
 - 107-0 Deep (more than 15,000 feet)
 - 107-1 Geopressured Brine
 - 107-2 Coal Seams
 - 107-3 Devonian Shale
 - 107-5 Production enhancement
 - 107-6 New Tight Formation
 - 107-7 Recompletion Tight Formation

AGENCY USE ONLY

QUALIFIED
05/17/2024

RECEIVED

NOV - 9 1984

OIL & GAS DIV.
DEPT. OF MINES

Date Received _____

Determination Date _____

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

Date October 17, 19 84

Operator's Well No. A. Hardman #1

API Well No. 47 - 013 - 3727
State County Permit

WELL CLASSIFICATION FORM
NEW ONSHORE PRODUCTION WELL

NGPA Section 103

DESIGNATED AGENT Leo Hines
ADDRESS P. O. Box 575
Spencer, WV 25276

WELL OPERATOR United Petro, Ltd.
ADDRESS P. O. Box 767
Spencer, WV 25276

LOCATION: Elevation 870'
Watershed Little Rowles Run
Dist. Lee County Calhoun Quad. Annamoriah 7.5

GAS PURCHASER CNG Development Company
ADDRESS P.O. Box 15746
Pittsburg, PA 15244

Gas Purchase Contract No. Contract being negotiated
Meter Chart Code _____
Date of Contract _____

* * * * *

Date surface drilling was begun: June 3, 1984

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

$$BHP = P_1 + P_1 (e^{GL/53.34T-1}) \quad P_1 = 804.73$$
$$T = 542$$
$$G = .80$$
$$L = 2195$$

BHP = 856 PSIA

AFFIDAVIT

I, William A. Lamb, 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.

William A. Lamb

STATE OF WEST VIRGINIA,

COUNTY OF Roane. TO WIT:

I, Eileen Hines, a Notary Public in and for the state and county aforesaid, do certify that William A. Lamb, whose name is signed to the writing above, bearing date

the 17th day of October, 19 84, has acknowledged the same before me, in my county aforesaid

Given under my hand and official seal this 17th day of October, 19 84.

My term of office expires on the 29th day of July, 19 87.

[NOTARIAL SEAL]

Eileen Hines
Notary Public

05/17/2024

THIS ASSIGNMENT, Made this the 16th day of
April, 19 84, by and between

PETRO RESOURCES, LTD, party of the first
part, Assignor,

and

UNITED PETRO, LTD, party of the second
part, Assignee.

W I T N E S S E T H :

That for and in consideration of One (\$1.00) Dollar,
cash in hand paid, the receipt of which is hereby acknow-
ledged, the said Assignor does hereby assign unto the said
Assignee, full operating rights for oil and gas development
and related purposes in and to that certain well site # 1
and that certain lease known as A. Hardman, Jr.
Lease, situate on a certain oil and gas lease and oil and gas
leasehold estate, covering a tract of land situate in the
District of Lee, County of Calhoun, and State
of West Virginia, on the waters of Little Rowles Run,
on a tract of land containing 91-3/4 acres and being the same
leasehold estate granted to Petro Resources, LTD, by _____
Francis E. Cain, by their lease agreement
dated the 3rd day of April, 19 84, and of record
in the Office of the Clerk of the County Commission of
Calhoun County, West Virginia, in Lease Book
88 at page 233.

It is understood and agreed that the operating and
development rights herein contained shall include the drilling
maintenance and abandoning and plugging of the oil and gas lease.

05/17/2024

IN WITNESS WHEREOF, the said PETRO RESOURCES, LTD., a corporation, has caused this assignment to be executed, acknowledged and delivered on its behalf by its duly authorized officer and its corporate seal to be affixed and attested by its secretary.

PETRO RESOURCES, LTD.

ATTEST:

BY:

William A. Lamb

ITS:

President

Eileen Henes
Assistant Secretary

STATE OF WEST VIRGINIA,

COUNTY OF Roane, to-wit:

The foregoing instrument was acknowledged before me this 16th day of April, 1984, by William A. Lamb, the President of PETRO RESOURCES, LTD., a corporation, on behalf of the corporation.

Eileen Henes
Notary Public

My commission expires: July 29, 1987

THIS INSTRUMENT PREPARED BY:

Richard H. Brumbaugh
Attorney-at-Law
212 Court Street
Spencer, WV 25276

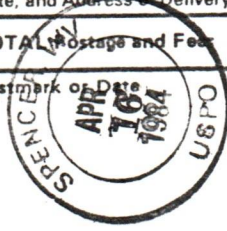
05/17/2024

P 380 550 493

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Thelma Freshour	
Street and No. Box 10	
P.O., State and ZIP Code Harmony, WV 25246	
Postage	\$2 71
Certified Fee	75
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	60
Return Receipt Showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$206
Postmark of Date 	

PS Form 3800, Feb. 1982

RECEIVED
APR 17 1984
OIL & GAS DIV
DEPT. OF I