



Date: June 3, 19 82

Operator's Well No. Cox #1

API Well No. 47 085 5685
State County Permit

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: 1069 Watershed: Left Fork of Tassars Fork
District: Union County: Ritchie Quadrangle: Pullman 7.5

WELL OPERATOR Rimrock Production Corp. DESIGNATED AGENT Robert L. Murdock
Address 4424 B Emerson Ave Address 4424 B Emerson Ave.
Parkersburg, W.Va. 26104 Parkersburg, W.Va. 26104

OIL & GAS ROYALTY OWNER Grace Cox et al.
Address 40 Johnny Dittow Rt. 2
Harrisville, W.Va. 26362

COAL OPERATOR none
Address _____

ACREAGE 53.5
SURFACE OWNER Grace Cox
Address 40 Johnny Dittow, Rt. 2
Harrisville, W.Va. 26362
ACREAGE 53.5

COAL OWNER(S) WITH DECLARATION ON RECORD:
Name none
Address _____
Name _____ JUN 3 1982
Address OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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FIELD SALE (IF MADE) TO:
Address unknown

COAL LESSEE WITH DECLARATION ON RECORD:
Name none
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Deo Mace
Address Route 1 Box 5
Sandridge, W.Va.

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed _____ / lease other contract _____ / dated Aug 12, 19 65, to the undersigned well operator from _____

(IF said deed, lease, or other contract has been recorded):
Recorded on Aug 17, 19 65, in the office of the Clerk of the County Commission of Ritchie County, West Va., in Lease Book 105 at page 172. 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

BLANKET BOND

04/19/2024
Rimrock Production Corp.
Well Operator
By Deon Mace
Its Agent

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) unknown
Address _____

GEOLOGICAL TARGET FORMATION, Eik

Estimated depth of completed well, 5500 feet Rotary X / Cable tools _____ /

Approximate water strata depths: Fresh, 150, 219 feet; salt, 0 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	1 3/4	CW	45#	X		245	245	CTS	Kinds
Fresh Water	8 5/8	erw	23#	X		1200	1200	350sks	Baker
Coal									Sizes
Intermediate									
Production	4 1/2	erw	10.5#	X		0	5500	750sks	Depths set 4000'
Tubing	2 3/8	CW	4.7#	X		0	4000'	0	
Liners									Perforations: est. depth Top 300 Bottom 5300

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 2-11-83.
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 _____

04/19/2024

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE PULLMAN 7.5'

LEGEND


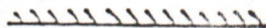










Well Site 

Access Road 

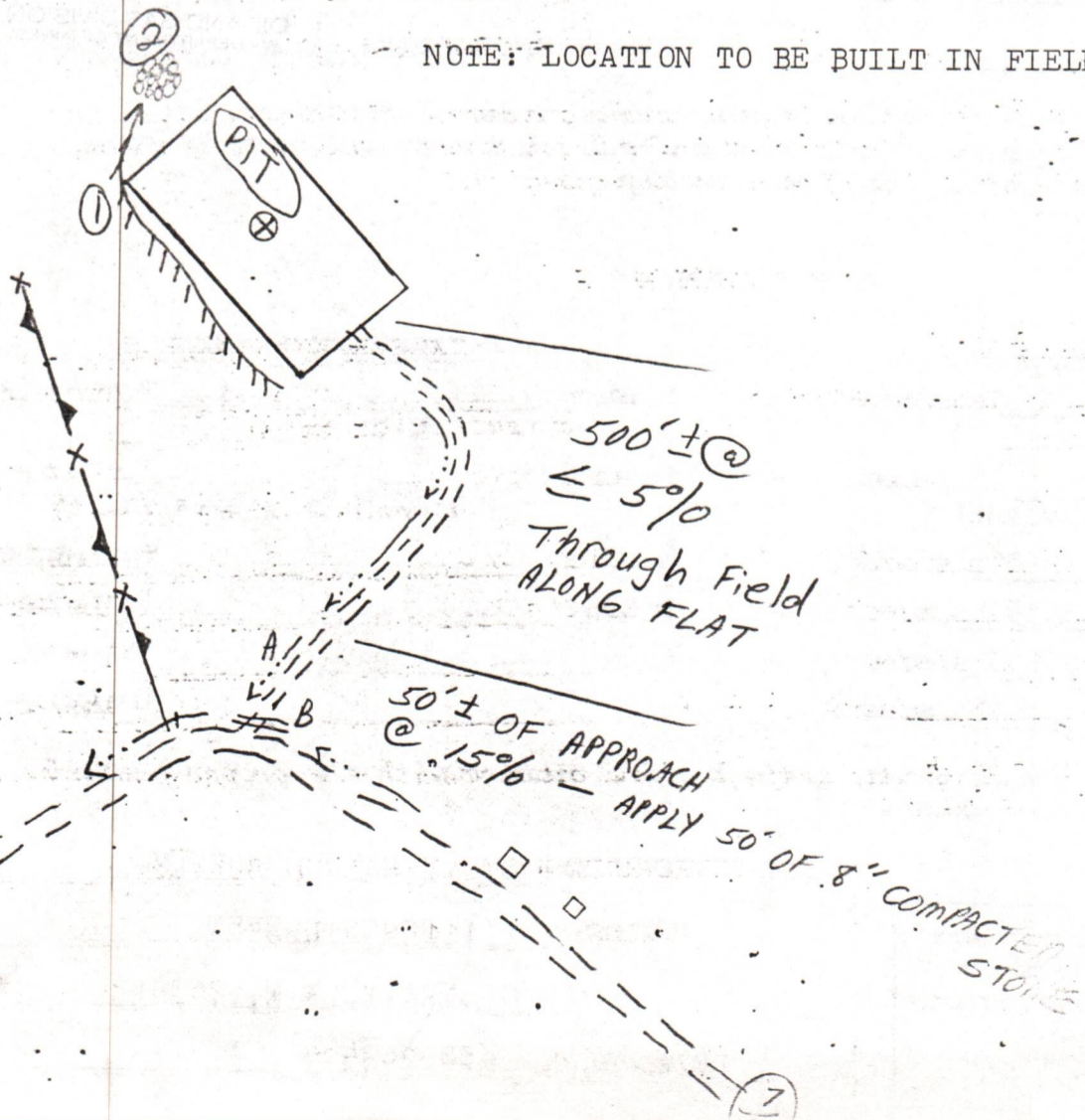
WELL SITE PLAN

Sketch to include well location, existing access road, roads to be constructed, wellsite, 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 

NOTE: LOCATION TO BE BUILT IN FIELD ON FLAT BELOW POINT.



04/19/2024

Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME RIMROCK PRODUCTION CORP. DESIGNATED AGENT ROBERT L. MURDOCK

Address 4424B EMERSON AVE. PARKERSBURG, W.V. Address 4424B EMERSON AVE. PARKERSBURG

Telephone 428-1520 Telephone 428-1520

LANDOWNER GRACE COX SOIL CONS. DISTRICT LITTLE KANAWHA

Revegetation to be carried out by RIMROCK PRODUCTION CORP. (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 6-2-82 (Date)

Janett Newton
(SCD Agent)

ACCESS ROAD	LOCATION
Structure <u>DRAINAGE DITCH</u>	(A) Structure <u>DIVERSION DITCH</u> (1)
Spacing <u>N/A.</u>	Material <u>EARTHEN</u>
Page Ref. Manual <u>2-12</u>	Page Ref. Manual <u>2-12</u>
Structure <u>CULVERT</u>	(B) Structure <u>SEDIMENT BARRIER</u> (2)
Spacing <u>ONE 16"</u>	Material <u>STONE OR BRUSH</u>
Page Ref. Manual <u>2-7</u>	Page Ref. Manual <u>2-16</u>
Structure _____	(C) Structure _____ (3)
Spacing _____	Material _____
Page Ref. Manual _____	Page Ref. Manual _____

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JUN - 3 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

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 & II	Treatment Area III
Lime _____ Tons/acre	Lime _____ Tons/acre
or correct to pH <u>6.5</u>	or correct to pH _____
Fertilizer <u>600</u> lbs/acre	Fertilizer _____ lbs/acre
(10-20-20 or equivalent)	(10-20-20 or equivalent)
Mulch <u>HAY</u> 2 Tons/acre	Mulch _____ Tons/acre
Seed* <u>KY-31</u> 35 lbs/acre	Seed* _____ lbs/acre
<u>CROWN VETCH</u> 10 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.

04/19/2024

PLAN PREPARED BY SMITH LAND SURVEYING

ADDRESS 111 SOUTH STREET

GLENVILLE W.V. 26351

PHONE NO. 462-5634

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



(SMITHVILLE)
4762 II SE

Mapped, edited, and published by the Geological Survey
Control by USGS and USC&GS

Topography by photogrammetric methods from aerial photographs
taken 1962. Field checked 1964

Polyconic projection. 1927 North American datum
10,000-foot grid based on West Virginia coordinate system, north zone
1000-meter Universal Transverse Mercator grid ticks,
zone 17, shown in blue

Fine red dashed lines indicate selected fence and field lines where
generally visible on aerial photographs. This information is unchecked



UTM GRID AND 1964 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

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

Stage (1) 4400-5170 - 28 holes - 1,010,000 SCF N₂

Stage (2) 3470-4340 --33 holes = 980,000 SCF N₂

Stage (3) 2580-3400 - 30 holes - 850,000 SCF N₂

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Soil			0	15	
Sand, Silt, & Shale			15	1200	not-logged
Sand, Lime, Shale, & Silt			1200	1994	
Injun Sand including Squaw section, Very clean sand			1994	2128	
Silt & Shales and Sands			2128	2387	
Wier Sand			2387	2427	
Shale & Siltstone			2427	2515	
Berea			2515	2520	
Shale & Siltstone			2520	2665	
Gordon			2665	2702	
Shale & Siltstone			2702	2877	
Fifth Sand			2877	2884	
*Devonian Shale (Intermentent Sandy Siltstone and Shales)			2884	5210	

(Attach separate sheets as necessary)

*Devonian Shale names not differentiated.

RIMROCK PRODUCTION CORPORATION
Well Operator

04/19/2024

By: Alison Crane

Alison Crane

Date:

Sept 11, 1982

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic record of all formations including



IV-35
(Rev 8-81)

SEP 15 1982
OIL & GAS DIVISION
DEPT. OF MINES

State of West Virginia
Department of Mines
Oil and Gas Division

Date September 9, 1982

Operator's

Well No. #1 Cox

Farm Cox

API No. 47 - 085 - 5685

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 x /)

LOCATION: Elevation: 1069' Watershed Left Fork of Issac Fork
District: Union County Ritchie Quadrangle Pullman 7.5

COMPANY RIMROCK PRODUCTION CORPORATION

ADDRESS 4424 "B" Emerson Ave., Parkersburg, WV

DESIGNATED AGENT Robert L. Murdock

ADDRESS 4424 "B" Emerson Ave., Parkersburg, WV

SURFACE OWNER Grace Cox Heirs

ADDRESS Rt. 2 Harrisville, WV 26362, Ditlow c/o Johnnie

MINERAL RIGHTS OWNER Grace Cox Heirs

ADDRESS Rt. 2 Harrisville, WV 26362, Ditlow c/o Johnnie

OIL AND GAS INSPECTOR FOR THIS WORK Deo

Mace ADDRESS Rt. 1 Box 5 Sandridge, WV

PERMIT ISSUED

DRILLING COMMENCED June 20, 1982

DRILLING COMPLETED June 24, 1982

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

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size 20-16 Cond.			
11 3/4" 13-10"	45		
9 5/8			
8 5/8	1190	1190	350 sks
7			
5 1/2			
4 1/2	5170	5170	750 sks.
3			
2 3/8	0	3400	0
Liners used			

GEOLOGICAL TARGET FORMATION Devonian Shale Depth 2520-5210 feet

Depth of completed well 5210' feet Rotary x / Cable Tools

Water strata depth: Fresh 150 feet; Salt 0 feet

Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Devonian Shale Pay zone depth 2580-5170 feet

Gas: Initial open flow 980 Mcf/d Oil: Initial open flow 0 Bbl/d

Final open flow 940 Mcf/d Final open flow 5 Bbl/d

Time of open flow between initial and final tests 24 hours

Static rock pressure 800 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

04/19/2024

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

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JUL 1 - 1982

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

Permit No. 85-5685

Oil or Gas Well _____
(KIND)

Company Rim Rock

Address _____

Farm COY

Well No. 1

District Union County Put

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

CASING CEMENTED 8 5/8 SIZE 1 1/2 No. FT. 6-20-82 Date

NAME OF SERVICE COMPANY Dowell

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names _____

Remarks: 35' of 11 3/4" casing

RECEIVED

JUL 1 - 1982

OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

6-22-82

DATE

W. M. Lee 04/19/2024

DISTRICT WELL INSPECTOR

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

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APR 25 1983

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 85-5685

Oil or Gas Well _____
(KIND)

Company <u>Rimrak Production Corp.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Cox</u>	16			Kind of Packer _____
Well No. <u>#1 COX</u>	13			
District <u>Union</u> County <u>Pitcher</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 _____

Remarks: Final inspection - OK to Release

4-19-83

DATE

Samuel N. [Signature]
DISTRICT WELL INSPECTOR



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

May 9, 1983

Rimrock Production Corporation
4424 Emerson Avenue
Parkersburg, W. Va. 26101

Gentlemen:

The required records and reports have been received in this office and the District Inspectors have submitted FINAL INSPECTIONS for the following wells listed below:

<u>PERMIT NUMBER</u>	<u>FARM AND WELL NUMBER</u>	<u>DISTRICT</u>
RIT-5455-FRAC.	E. C. Curry, #1	Union
RIT-5469	Olin D. Baker/Lettie M. Baker #1	Clay
RIT-5516-REFRAC.	Walter A. Crane Heirs, #1	Union
RIT-5590	Freda & Leonard Byrd, #1	Union
RIT-5611	Martin Corbin, et al, #1	Grant
RIT-5680	Walter A. Crane Heirs, "A" #1	Union
RIT-5685	Grace Cox, et al, #1	Union
RIT-5698	Carl Dotson, #1	Grant
RIT-5709	Merrill G. Hedrick, #1	Grant
RIT-5711	Merrill G. Hedrick, #2	Grant
RIT-5718	Elsie Cameron, Agent, #1	Union
RIT-5720	Cecil C. Gardner, #1	Grant
RIT-5752	Emmett Moyers, #1	Grant
RIT-5844	Arrahwanna Pifer, #1	Grant
RIT-5845	Floyd Pifer, et al, #1	Grant

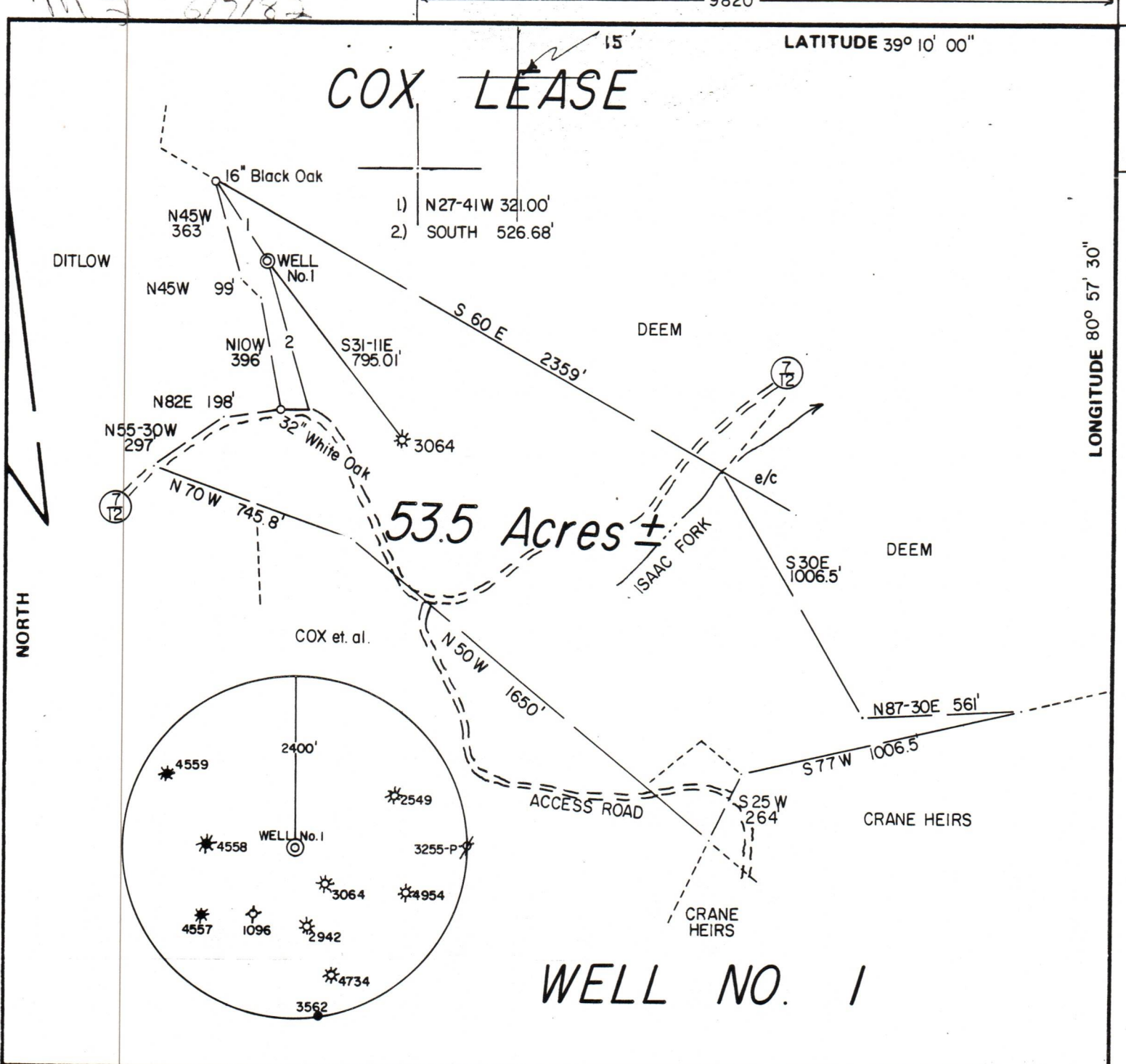
In accordance with Chapter 22, Article 4, Section 2, the above captioned wells will remain under bond coverage for "life of wells." Reclamation requirements have been approved.....

Very truly yours,

Theodore M. Streit, Administrator
Office of Oil & Gas-Dept. Mines

TMS/

04/19/2024



FILE NO. 6-56
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1/200
 PROVEN SOURCE OF ELEVATION RIT- 5519
 ELEV. 1077'

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) Gregory A. Smith
 R.P.E. _____ L.L.S. 677

PLACE SEAL HERE

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS

FORM IV-6 (8-78)



DATE MAY 26, 19 82
 OPERATOR'S WELL NO. 1
 API WELL NO. _____
47 - 085 - 5685
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1069' WATER SHED LEFT FORK OF ISAAC FORK
 DISTRICT UNION COUNTY RITCHIE
 QUADRANGLE PULLMAN 7.5'

SURFACE OWNER GRACE COX ACREAGE 53.5
 OIL & GAS ROYALTY OWNER GRACE COX et. al. LEASE ACREAGE 53.5 **04/19/2024**
 LEASE NO. _____

PROPOSED WORK: DRILL X 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 ELK ESTIMATED DEPTH 5450'
 WELL OPERATOR RIMROCK PRODUCTION DESIGNATED AGENT ROBERT L. MURDOCK
 ADDRESS 4424-B EMERSON AVE. PARKERSBURG, W. V. 26101 ADDRESS 4424-B EMERSON AVE. PARKERSBURG, W. V. 26101