

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, Fox

Estimated depth of completed well, 5300' feet Rotary XX / Cable tools _____ /

Approximate water strata depths: Fresh, 30'-110' feet; salt, --- feet.

Approximate coal seam depths: 200' Is coal being mined in the area? Yes _____ / No XX /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS			New	Used	FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS
	Size	Grade	Weight per ft			For drilling	Left in well		
Conductor	11	3/4"				30'	30'		Kinds
Fresh Water									
Coal									Sizes
Intermediate	8	5/8"				1000'	1000'	Circulate	
Production	4	1/2"					5250'	400 Sks by Rule	Depths set 63 Required 15-01
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 6-22-83.
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 **04/05/2024** 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 _____

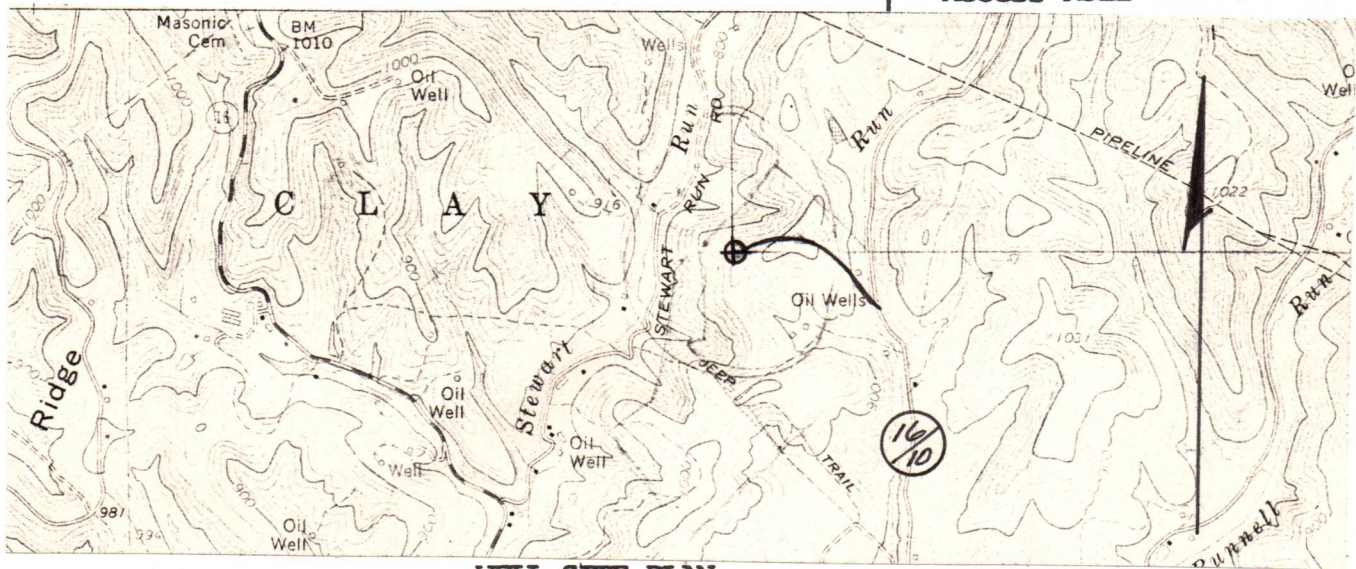
By _____
Its _____

ATTACH OR PHOTOCOPY SECTION OF INVOLVED TOPOGRAPHIC MAP. QUADRANGLE Harrisville 7 1/2 Minute

LEGEND

Well Site ⊕

Access Road ———

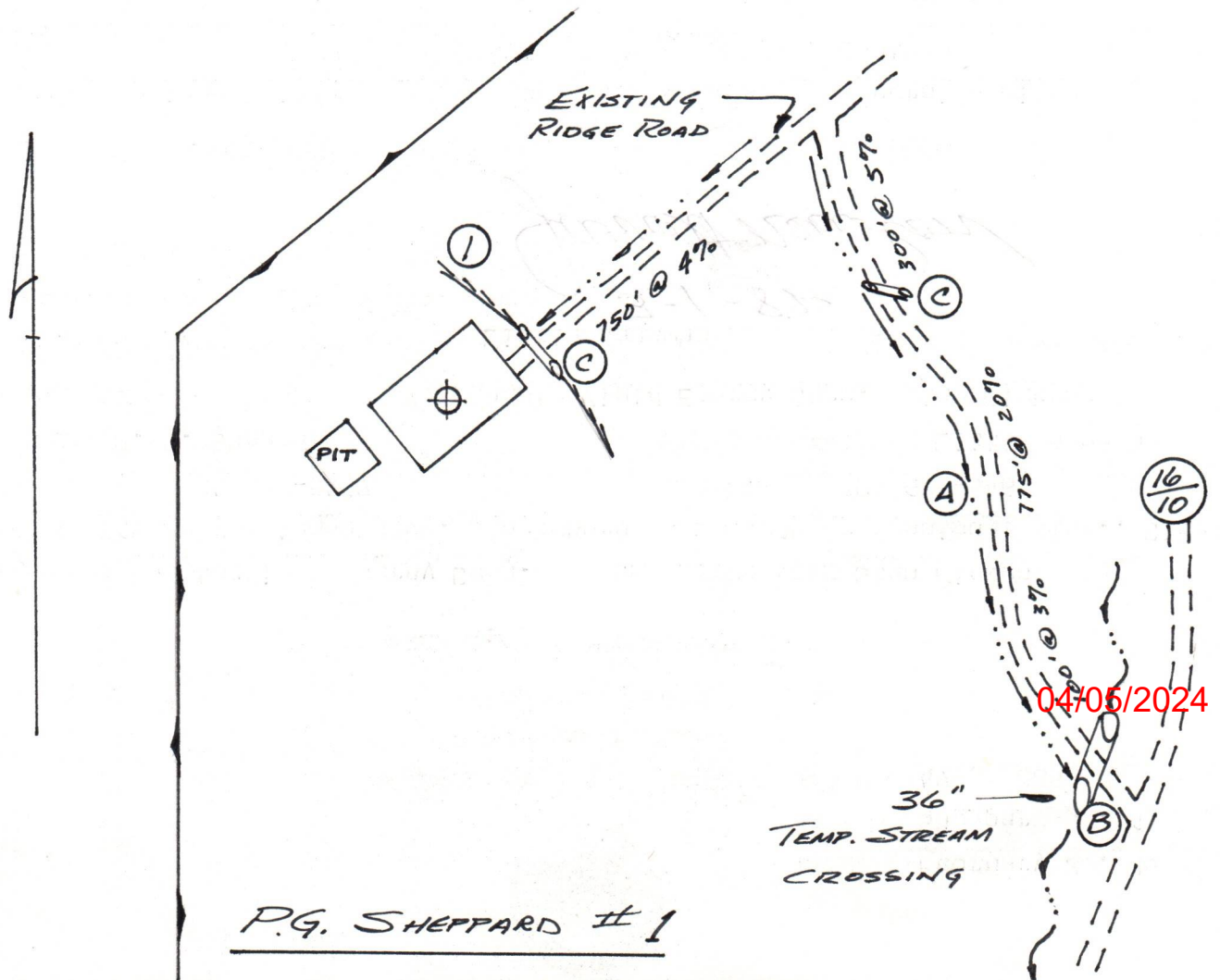


WELL SITE PLAN

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 — x — x —	Wet spot ☼
Planned fence — / — / —	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ —
Open ditch — ··· — ··· —	Waterway ⇐ = = = =



04/05/2024

04/05/2024



State of West Virginia Department of Mines Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

DATE February 23, 1982 WELL NO. Sheppard No. 1 API NO. 47 - 085 - 5959

COMPANY NAME Chesterfield Energy Corp. Address 319 Professional Bldg., Clarksburg, West Virginia Telephone 304 623-5467 LANDOWNER P. G. Sheppard Telephone 304 623-5467

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 3-1-82 (Date) James H. Morrison (SCD Agent)

LOCATION Structure Diversion Ditch (1) Material Earthen Page Ref. Manual 2-12 Structure (2) Material Page Ref. Manual 2-20 Structure Ditch Relief Culverts (12)(2) Spacing 36" Dia. w/stream grade Page Ref. Manual 2-20

ACCESS ROAD Structure Drainage Ditch (A) Spacing Page Ref. Manual 2-12 Structure Temporary Stream Crossing (B) Structure Ditch Relief Culverts (12)(2) Spacing 3-5% 500 feet 20% 100 feet Page Ref. Manual 2-12

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

Table with 2 columns: Treatment Area I and Treatment Area II. Rows include Lime, Fertilizer, Mulch Hay or Straw, Seed* Kentucky 31 Rescue, Birdsfoot Trefoil, Domestic Rye, and Inoculate all legumes such as vetch, trefoil and clovers with the proper bacterium.

PLAN PREPARED BY Davis Associates ADDRESS 308 Professional Building Clarksburg, WV 26301 PHONE NO. 304 623-5371

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



a-11

47-085-5959

State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

TO: ALL OPERATORS

DATE: June 22, 1982

FROM: Thomas E. Huzzar, Administrator

RE: House Bill 1254 - Permits Not to be Issued on Flat Well Royalty Leases

In an effort to implement HB-1254 an affidavit was mailed to each operator previously. Upon review it is found this affidavit is inappropriate and not entirely necessary. The application form will be revised to include the following statement:

Yes ___ / No XX / The right to extract, produce or market the oil or gas is based upon a lease or leases or other continuing 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 and gas so extracted, produced or marketed.

You should answer this question without the use of the form until the applications have been revised.

If the answer is "yes" to the question, then you must provide with the application an affidavit which certifies that the affiant is authorized by the owner of the working interest in the well to state that it shall tender to the owner of the oil or gas in place not less than one-eighth of the total amount paid to or received for the oil or gas so extracted, produced or marketed before deducting the amount to be paid or set aside for the owner of the oil and gas in place, on all such oil or gas to be extracted, produced or marketed from the well. (See West Virginia Code 22-4-11(e).)

Attached is an affidavit form you may use, but it is necessary only in the event that you would answer "yes". If the answer is "no", please include a statement to that effect.

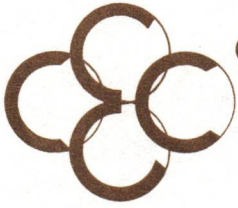
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OCT 07 1982

OIL & GAS DIVISION
DEPT. OF MINES

TEH/rf

04/05/2024



Chesterfield Energy Corporation

SUITE 319-320 PROFESSIONAL BUILDING
SOUTH THIRD STREET
CLARKSBURG, WEST VIRGINIA 26301

PHONE (304) 623-5467

a-12

47-085-5959

MEMO

TO: W. Va. Department of Mines
FROM: Linda Seckman
DATE: October 6, 1982
RE: Sheppard Well #1 Permit Application

Enclosed please find Permit Applications, Reclamation Plan approved by the SCD, Plat, notice marked "no" regarding Flat Well Royalty Leases and our check in the amount of \$100.00 to cover the cost of permitting.

If you have any questions, please call.

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OIL & GAS DIVISION
DEPT. OF MINES

04/05/2024

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

1st Stage 4573' - 5842'
 21 BBLS Acid
 13 Tons CO₂
 460,000 Standard Cubic Feet Nitrogen

2nd Stage 3580' - 4526'
 10 BBLS Acid
 13 Tons CO₂
 325,000 Standard Cubic Feet Nitrogen

3rd Stage 3148' - 3510'
 4 BBLS Acid
 14 Tons CO₂
 220,000 Standard Cubic Feet Nitrogen

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
			0	20	1/4" stream water 52'
Sand & Shale			20	46	
Sand			46	55	
Sand & Shale			55	147	
Sand			147	285	
Sand & Shale			285	335	
Sand			335	372	
Sand & Shale			372	663	
Sand			663	674	
Sand & Shale			674	1000	1" stream water 1000'
Sand & Shale & Red Rock			1000	1870	Gas Ck @ 1664' No Show
Little Lime			1870	1883	Gas Ck @ 2133' No Show
Pencil Cave			1883	1912	Gas Ck @ 3003' No Show
Big Lime			1912	1982	Gas Ck @ 3659' No Show
Injun			1982	2090	Gas Ck @ 4002' No Show
Sand & Shale			2090	4320	Gas Ck @ 4499' No Show
Benson			4320	4350	Gas Ck @ 4906' No Show
Sand & Shale			4350	5990	Gas Ck @ T.D. No Show
TD			5990		Gas Ck @ Collars

(Attach separate sheets as necessary)

Chesterfield Energy Corporation
Well Operator

By: Stanley N. Peckham 04/05/2024
 Date: February 21, 1983

Note: Regulation 2.02(i) provides as follows:
 "The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

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FEB 23 1983

IV-35 (Rev 8-81)

OIL AND GAS DIVISION WV DEPARTMENT OF MINES State of West Virginia Department of Mines Oil and Gas Division

Date February 21, 1983 Operator's Well No. Sheppard Well #1 Farm API No. 47 - 085 - 5959

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

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

LOCATION: Elevation: 994' Watershed Stewart's Run of Hughes River District: Clay County Ritchie Quadrangle Harrisville 7.5

COMPANY Chesterfield Energy Corp. 320 Professional Building ADDRESS Clarksburg, WV 26301

DESIGNATED AGENT Stanley N. Pickens ADDRESS Same

SURFACE OWNER P.G. & Nellie J. Sheppard ADDRESS Ellenboro, WV 26346

MINERAL RIGHTS OWNER Same as Surface ADDRESS Same as Surface

OIL AND GAS INSPECTOR FOR THIS WORK Samuel N. Hersman ADDRESS P.O. Box 66 Smithville, WV 26178

PERMIT ISSUED

DRILLING COMMENCED 12-16-82

DRILLING COMPLETED 12-21-82

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

Table with 4 columns: Casing & Tubing, Used in Drilling, Left in Well, Cement fill up Cu. ft. Rows include sizes 20-16 Cond., 13-10", 9 5/8, 8 5/8 (1126' drilled, 1126' left, circulated), 7, 5 1/2, 4 1/2 (5921' drilled, 5921' left, 765 sks), 3, 2, and Liners used.

GEOLOGICAL TARGET FORMATION Depth feet

Depth of completed well 5990 feet Rotary X / Cable Tools

Water strata depth: Fresh 52', 1000 feet; Salt feet

Coal seam depths: Is coal being mined in the area?

OPEN FLOW DATA

Producing formation 1st Stage Pay zone depth 4573'-5842' feet

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

"COMMINGLED" Final open flow Mcf/d 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

(If applicable due to multiple completion--)

Second producing formation 2nd Stage Pay zone depth 3580'-4526' feet

Gas: Initial open flow 20,000 Mcf/d Oil: Initial open flow Bbl/d

Final open flow 200,000 Mcf/d Oil: Final open flow Bbl/d

Time of open flow between initial and final tests hours

Static rock pressure 670 psig (surface measurement) after 2 hours shut in

3rd Stage Depth: 3148'-3510' (Continue on reverse side)

RIT. 5959

04/05/2024

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. 85-5959

Oil or Gas Well _____
(KIND)

Company Chesterfield Energy Corp.

Address _____

Farm _____

Well No. Sheppard #1

District Clay County Ritchie

Drilling commenced 12-16-82

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 _____ SIZE _____ No. FT. _____ Date _____

NAME OF SERVICE COMPANY _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

_____ FEET _____ INCHES _____ FEET _____ INCHES

Drillers' Names Mason Freeman - Robert Heater - Kirby Eskew - Eldis Hamner

Remarks: Union Drilling Rig # 6 Tool Pusher Bill Heater

Visit - Rigged up - Drilling 49' feet deep at time of visit

12-16-82
DATE

Samuel N. Herman
DISTRICT WELL INSPECTOR

04/05/2024

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. 85-5959

Oil or Gas Well _____
(KIND)

Company <u>Chesterfield Energy Corp.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>P.O. + Nellie's Sheppard</u>	16			Kind of Packer _____
Well No. <u>Sheppard # 1</u>	13			
District <u>Clay</u> County <u>Pitcher</u>	10			Size of _____
Drilling commenced <u>12-16-82</u>	8 1/4			
Drilling completed <u>12-20-82</u> Total depth <u>5990</u>	6 3/8			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 Mason Freeman Robert Heater Kirby Coker - Eddie Hamner

Union Rig # 6 Tool Pusher Bill Heater
Remarks: on 12-17-82 ran 1126' foot of 8 5/8 casing
Ran 274 sacks cement

Gas check at 3003 foot/slight odor of Gas
No other gas shows to T.D.

12-20-82
DATE

Samuel M. Heerman
DISTRICT WELL INSPECTOR

04/05/2024

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

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SEP 13 1983

OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. 95-5959

Oil or Gas Well _____
(KIND)

Company Chesterfield Energy Co
 Address _____
 Farm P. B. NILLIE SHEPARD
 Well No. ONE
 District CLAY County Ritchie
 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 1/2			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 _____

Remarks: FINAL INSPECTION

O.K. TO RELEASE

9-7-83
DATE

Mike Yuckowich
04/05/2024
DISTRICT WELL INSPECTOR



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

WALTER N. MILLER
DIRECTOR

THEODORE M. STREIT
ADMINISTRATOR

September 19, 1983

Chesterfield Energy Corp.
319 Professional Building
Clarksburg, W. Va. 26301

In Re: PERMIT NO: 47-085-5959
FARM: P. G. & Nellie J. Sheppard
WELL NO: 1
DISTRICT: Clay
COUNTY Ritchie

Gentlemen:

The FINAL INSPECTION REPORT for the above described well has been received in this office. Only the column check below applies:

_____ The well designated by the above permit number has been released under your Blanket Bond.

_____ Please return the enclosed cancelled single bond which covered the well designated by the above permit number to the surety company who executed said bond in your behalf, in order that they may give you credit on their records.

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

Very truly yours,

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

TMS/

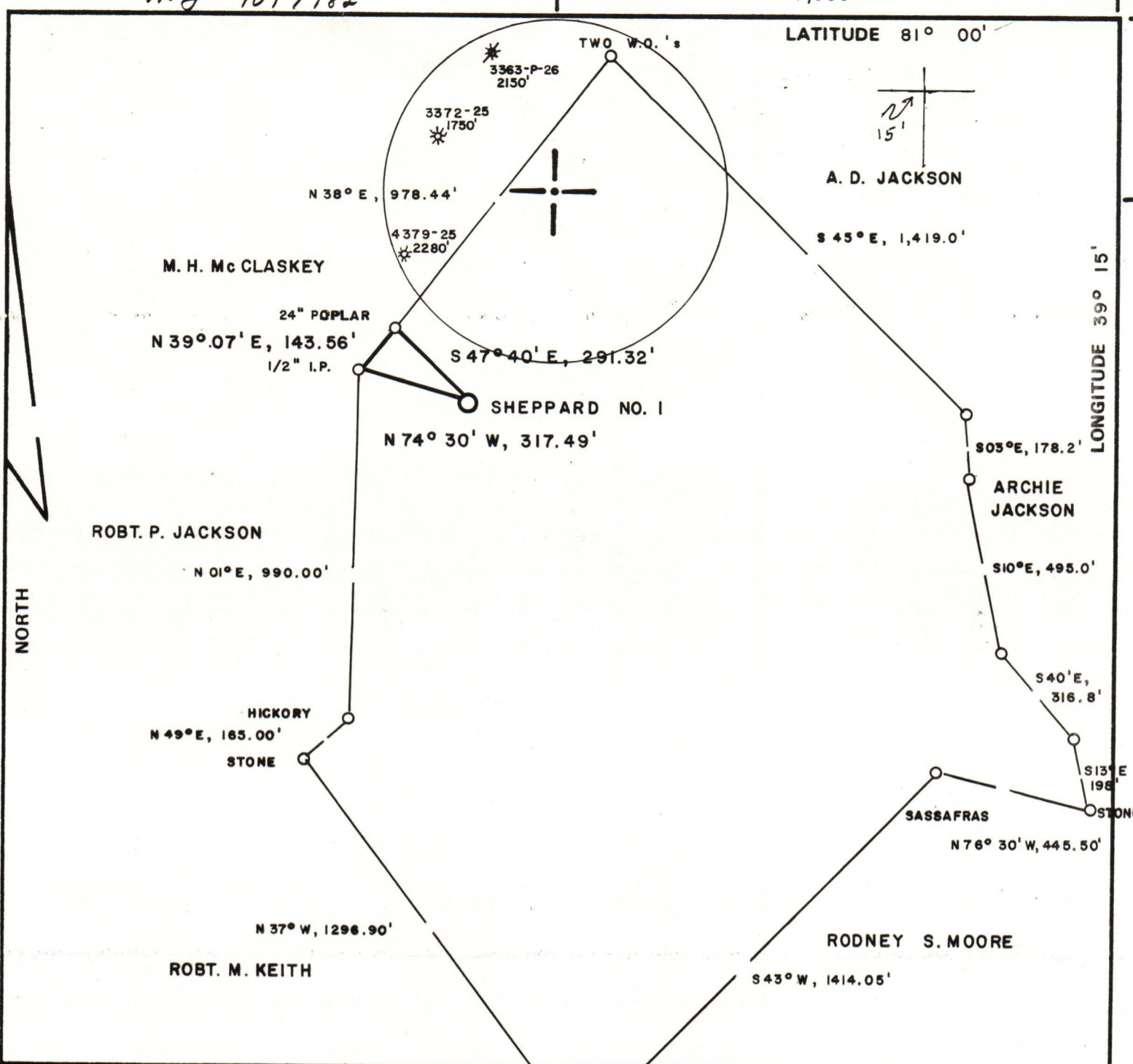
04/05/2024

mg 10/7/82

7,900'

LATITUDE 81° 00'

LONGITUDE 39° 15'



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 400'
 MINIMUM DEGREE OF ACCURACY 1 in 2500
 PROVEN SOURCE OF ELEVATION TOP OF KNOB
 EL. 1021'

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) Richard B. Davis
 R.P.E. 5580 L.L.S. _____

PLACE SEAL HERE

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



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

DATE FEBRUARY 19, 19 82
 OPERATOR'S WELL NO. SHEPPARD NO. 1
 API WELL NO. _____
 47 - 085 - 5959
 STATE COUNTY PERMIT

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION ___ STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 994' WATER SHED STEWART'S RUN of HUGHES RIVER
 DISTRICT CLAY COUNTY RITCHIE
 QUADRANGLE HARRISVILLE 7.5 MINUTE
 SURFACE OWNER P.G. & NELLIE J. SHEPPARD ACREAGE 84.13
 OIL & GAS ROYALTY OWNER P.G. & NELLIE J. SHEPPARD LEASE ACREAGE 84.13 04/05/2024
 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 FOX ESTIMATED DEPTH 5300'
 WELL OPERATOR CHESTERFIELD ENERGY CORP. DESIGNATED AGENT STAN PICKENS
 ADDRESS 319 PROFESSIONAL BLDG. ADDRESS 319 PROFESSIONAL BLDG.
 CLARKSBURG, WV 26301 CLARKSBURG, WV 26301