

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. J-680

API Well No. 47 - 085 5678  
State County P

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

LOCATION: Elevation: 1042 Watershed: Burton Run  
District: Clay County: Ritchie Quadrangle: Pennsboro

WELL OPERATOR J&J Enterprises, Inc.  
Address P.O. Box 48  
Buckhannon, WV 26201

DESIGNATED AGENT Harry L. Barnett  
Address P.O. Box 48  
Buckhannon, WV 26201

OIL & GAS ROYALTY OWNER Chandos & Nellie Hickman  
Address Rt. # 2, Box 120  
Pennsboro, WV 26415

COAL OPERATOR None  
Address \_\_\_\_\_

ACREAGE 18  
SURFACE OWNER Chandos & Nellie Hickman  
Address Rt. # 2, Box 120  
Pennsboro, WV 26415  
ACREAGE 18

COAL OWNER(S) WITH DECLARATION ON RECORD:

Name Chandos & Nellie Hickman  
Address Rt. # 2, Box 120  
Pennsboro, WV 26415

FIELD SALE (IF MADE) TO:  
Name Unknown  
Address \_\_\_\_\_

Name \_\_\_\_\_  
Address \_\_\_\_\_

COAL LESSEE WITH DECLARATION ON RECORD:

Name None  
Address \_\_\_\_\_

**RECEIVED**

MAY 24 1982

OIL AND GAS DIVISION  
WV DEPARTMENT OF MINES

OIL & GAS INSPECTOR TO BE NOTIFIED  
Name Deo Mace  
Address Rt. #1, Box 5  
Sandridge, WV 25274

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed  / lease  / other contract  / dated Jan. 13, 1982, to the undersigned well operator from Sheldon & Sheldon, Inc.

[If said deed, lease, or other contract has been recorded:]  
Recorded on Aug. 24, 19    , in the office of the Clerk of the County Commission of Ritchie County, West Virginia, in Lease Book 138 at page 132. 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 plan 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.

04/19/2024

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

BLANKET BOND


J&J Enterprises, Inc.  
Well Operator  
By Peter Battles  
Peter Battles  
Geologist








LEGEND

Well Site 













Access Road 

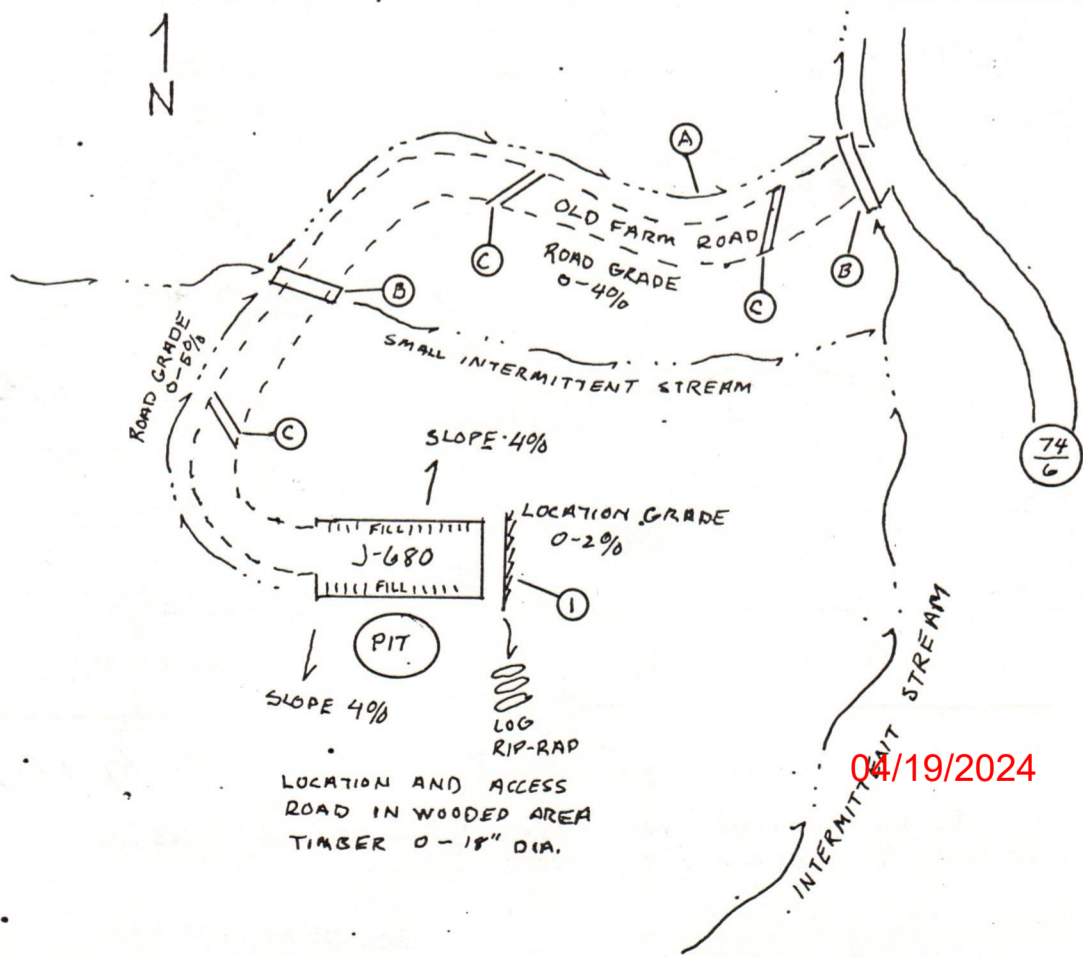


WELL SITE PLAN

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 field 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 



04/19/2024



State of West Virginia  
Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME J & J Enterprises, Inc.  
Address P.O. Box 48 Buckhannon, WV 26201  
Telephone 472-9403

DESIGNATED AGENT Harry L. Barnett  
Address P.O. Box 48 Buckhannon, WV  
Telephone 472-9403

LANDOWNER Chandos Hickman

SOIL CONS. DISTRICT Little Knaawha SCD

Revegetation to be carried out by Robert Rogers (Agent)

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 5-18-82

(Date)

Jarrett Newton  
(SCD Agent)

ACCESS ROAD

Structure Drainage Diversion Ditch (A)

Spacing \_\_\_\_\_

Page Ref. Manual 2:12

Structure Culvert (B)

Spacing Max Size 16 " Diameter

Page Ref. Manual 2:8

Structure Cross Drains (C)

Spacing 135' - 400'

Page Ref. Manual 2:1

LOCATION

Structure Diversion Ditch

Material Earthen

Page Ref. Manual 2:12

Structure Rip-Rap

Material Logs

Page Ref. Manual N/A

Structure \_\_\_\_\_

Material \_\_\_\_\_

Page Ref. Manual \_\_\_\_\_

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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

Treatment Area II

Lime 3 Tons/acre  
or correct to pH 6.5

Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)

Mulch HAY 2 Tons/acre

Seed\* Kentucky 31 Fescue 45 lbs/acre  
Domestic Rye 10 lbs/acre  
Redtop 5 lbs/acre

Lime 3 Tons/acre  
or correct to pH 6.5

Fertilizer 600 lbs/acre  
(10-20-20 or equivalent)

Mulch HAY 2 Tons/acre

Seed\* Kentucky 31 Fescue 45 lbs/acre  
Domestic Rye 10 lbs/acre  
Redtop 04/19/2024 lbs/acre

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

PLAN PREPARED BY Ed Summerfield

ADDRESS P.O. Box 48  
Buckhannon, WV 26201  
472-9403

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



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OCT 15 1985

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

Alexander: Perforations: 5182-88 (10 holes)  
Fracturing: 10,000 lbs. 80/100 sand: 40,000 lbs. 20/40 sand: 570 Bbls. fluid.

Benson: Perforations: 4893-95 (5 hoels)  
Fracturing: 10,000 lbs. 80/100 sand: 40,000 lbs. 20/40 sand: 800 gals. Acid: 540 Bbls. fluid.

Riley: Perforations: 4504-4513 (5 holes)  
Fracturing: 10,000 lbs. 80/100 sand: 30,000 lbs. 20/40 sand: 500 gal. Acid: 435 Bbls. fluid

Warren: Perforations: 3318-3398 (10 holes)  
Fracturing: 10,000 lbs. 80/100 sand: 28,000 lbs. 20/40 sand: 500 gal. Acid: 470 Bbls. fluid.

5th Sand: Perforations: 2680-83 (10 holes)

WELL LOG

FORMATION	Color	Hard or Soft	Top Feet	Bottom Feet	Remarks Including indication of all fresh and salt water, coal, oil and gas
Fill, red rock and sand			0	15	
Red rock & shale			15	30	
Sand & shale			30	37	
Sand			37	280	Damp @ 48'
Red rock, shale & sand			280	401	
Coal			401	404	½" stream @ 430'
Sand & shale			404	440	
Sand, shale & red rock			440	688	½" stream @ 1460'
Coal			688	692	
Sand & shale			692	1892	Gas ck @ 3200 10/10-½" w/water
Big Lime			1892	1950	5,933 cu.ft.
Big Injun			1950	2055	
Sand, shale & red rock			2055	2680	Gas ck @ 5089 50/10-½" w/water
5th Sand			2680	2683	13,322 cu.ft.
Sand, shale & red rock			2683	3318	
Warren			3318	3398	
Sand, shale & red rock			3398	4504	
Riley			4504	4513	
Sand, shale & red rock			4513	4893	
Benson			4893	4895	
Sand & shale			4895	5182	
Alexander			5182	5188	
Sand & shale			5188	5396	
				TD	

(Attach separate sheets to complete as necessary)

J&J Enterprises, Inc.  
Well Operator

By Daniel F. Stark  
Daniel F. Stark  
Geologist

04/19/2024

NOTE: Regulation 2.02(f) 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."



[08-78] **RECEIVED**

Operator's Well No. J-680  
API Well No. 47 085 5678  
State County Permit

OCT 12 1982

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

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 X / Underground storage \_\_\_ / Deep \_\_\_ / Shallow X)  
LOCATION: Elevation: 1042 Watershed: Burton Run  
District: Clay County: Ritchie Quadrangle: Pennsboro

WELL OPERATOR J&J Enterprises, Inc. DESIGNATED AGENT Richard M. Reddecliff  
Address P.O. Box 48 Address Box 48  
Buckhannon, WV 26201 Buckhannon, WV 26201

PERMITTED WORK: Drill X / Convert \_\_\_ / Drill deeper \_\_\_ / Redrill \_\_\_ / Fracture or stimulate X  
Plug off old formation \_\_\_ / Perforate new formation \_\_\_  
Other physical change in well (specify) \_\_\_\_\_

PERMIT ISSUED ON 5/24, 19 82 OIL & GAS INSPECTOR FOR THIS WORK:  
(IF APPLICABLE: PLUGGING OF DRY HOLE OR CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED) Name Deo Mace  
Address Rt. # 1, Box 5  
Sandridge, WV 25274

GEOLOGICAL TARGET FORMATION: Alexander Depth 5095-5110 feet  
Depth of completed well, 5396 feet Rotary X / Cable Tools \_\_\_  
Water strata depth: Fresh, 430, 1460 feet; salt, 0 feet.  
Coal seam depths 401-04,688-92 Is coal being mined in the area? NO  
Work was commenced 6/30, 19 82, and completed 7/15, 1982

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	11 3/4	H-40	42	x		31	31	0 sks.	Kinds
Fresh water	8 5/8	ERW	23	x		1108.95	1108.95	280 sks.	
Coal	8 5/8	ERW	23	x		1108.95	1108.95	280 sks.	Sizes
Intermediate									
Production	4 1/2	J-55	10.5	x		5272.80	5272.80	600 sks.	Depths set
Tubing									
Liners									Perforations:
									Top Bottom
									2680 2683
									3318 3398
									4504 4513
									4893 3895
									5182 5188

OPEN FLOW DATA  
Producing formation Alexander Pay zone depth 5182-88 feet  
Gas: Initial open flow, \_\_\_ Mcf/d Oil: Initial open flow, \_\_\_ Bbl/d  
Combined Final open flow, 1,905 Mcf/d Final open flow, \_\_\_ Bbl/d  
Time of open flow between initial and final tests, 4 hours

Static rock pressure, 1500 psig (surface measurement) after 96 hours shut in  
[If applicable due to multiple completion--]  
Second producing formation Benson, Riley, Warren & 5th Sand Pay zone depth 4893-3895 feet  
Gas: Initial open flow, \_\_\_ Mcf/d Oil: Initial open flow, \_\_\_ Bbl/d  
Final open flow, \_\_\_ Mcf/d Final open flow, \_\_\_ Bbl/d  
Time of open flow between initial and final tests, \_\_\_ hours

Bottom Hole Pressure Static rock pressure, \_\_\_ psig (surface measurement) after \_\_\_ hours shut in  
Pf=PweXGLS  
t=60+(5273 x .0075)+459.7=559.2 X=53.34T x=(53.34 559.2)=.0000335 Pf=1500 (2.72) (.0000335) (.719)  
f=1500 (2.72) .085=1500 (1.088)  
f=1633 psi

04/19/2024



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

RECEIVED  
OCT 18 1982

INSPECTOR'S WELL REPORT

OIL & GAS DIVISION  
DEPT. OF MINES

Permit No. 85-5678

Oil or Gas Well \_\_\_\_\_  
(KIND)

Company <u>J + J Enterprises Inc.</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>Chandos + Nellie Hickman</u>	16			Kind of Packer _____
Well No. <u>J 680</u>	13			
District <u>Clay</u> County <u>Ritchie</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 O.K. to Release

10-12-82  
DATE

Samuel N. Newman 04/19/2024  
DISTRICT WELL INSPECTOR







State of West Virginia

Department of Mines

Oil and Gas Division

Charleston 25305

January 20, 1983

WALTER N. MILLER  
DIRECTOR

THEODORE M. STREIT  
ADMINISTRATOR

J & J Enterprises, Inc.  
P.O. Box 48  
Buckhannon, W.Va. 26201

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-5117	Don & Oleta Hamilton # J-475	Union
RIT-5678	Chandos & Nellie Hickman # J-680	Clay
RIT-5733	Chandos & Nellie Hickman # J-681	Clay

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.....

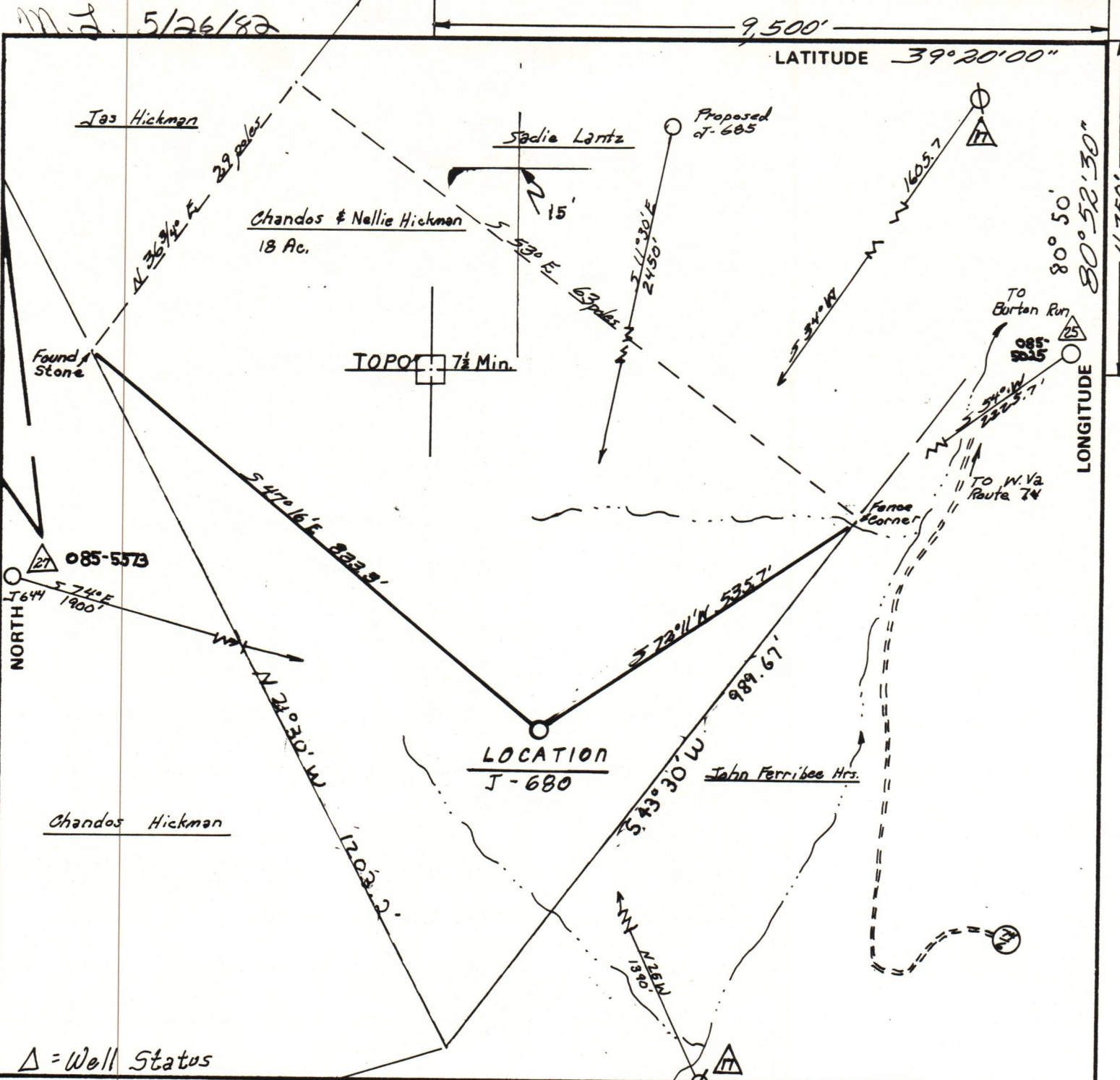
Very truly yours,

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

TMS/cm

04/19/2024





FILE NO. 346.01

DRAWING NO. 82-2

SCALE 1" = 200'

MINIMUM DEGREE OF ACCURACY 1 in 200

PROVEN SOURCE OF ELEVATION Spot Elevation 1231 Hill Top N.E. of location

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) Royce J. Ostrander

R.P.E. \_\_\_\_\_ L.L.S. 555

Buckhannon, W. Va.

PLACE SEAL HERE

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

FORM IV-6 (8-78)



DATE 11 May, 19 82

OPERATOR'S WELL NO. J-680

API WELL NO. 47-085-5678

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 1042' WATER SHED Burton Run  
DISTRICT Clay COUNTY Ritchie  
QUADRANGLE Pennsboro

SURFACE OWNER Chandos & Nellie Hickman ACREAGE 18

OIL & GAS ROYALTY OWNER Chandos & Nellie Hickman LEASE ACREAGE 18  
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) \_\_\_\_\_

04/19/2024

PLUG AND ABANDON  CLEAN OUT AND REPLUG

TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5400

WELL OPERATOR J & E Enterprises Inc. DESIGNATED AGENT Harry L. Barnett

ADDRESS PO Box 48 ADDRESS PO Box 48  
Buckhannon, W. Va. 26201 Buckhannon W. Va. 26201