

FILE COPY  
**RECEIVED**

FEB - P 1985



1) Date: Feb. 4, 1985  
 2) Operator's Well No. Cottrell # 4  
 3) API Well No. 47 - 013 - 3889  
 State County Permit

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

**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: 1035 Watershed: Bear Run  
 District: Washington County: Calhoun Quadrangle: Millstone 7.5'
- 6) WELL OPERATOR Franklin Adkins 7) DESIGNATED AGENT Franklin Adkins  
 Address P. O. Box 68 Address P. O. Box 68  
Ona, W. Va. 25545 Ona, W. Va. 25545
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:  
 Name Deo Mace Name Moore's Well Service  
 Address Route 1, Box 5 Address Route 1, Box 30  
Sandridge, WV 25274 Duck, WV 25063
- 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, Big Injun Sand
- 12) Estimated depth of completed well, 2350 feet  
 13) Approximate trata depths: Fresh, 100 feet; salt, 1800 feet.  
 14) Approximate coal seam depths: \_\_\_\_\_ 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									
Coal									Sizes
Intermediate	8	H 40	20	x		350	350	100 Bk to	Sur. <u>NEAT</u>
Production	4	J 55	10	x			2350	100	<u>on as measured by rule 15.01</u>
Tubing									Perforations:
Liners									Top Bottom

**OFFICE USE ONLY  
DRILLING PERMIT**

Permit number 47-013-3889

March 18, 19 85  
Date

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 March 18, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond:	Agent:	Plat:	Casing	Fee
<u>1</u>	<u>MH</u>	<u>MH</u>	<u>MH</u>	<u>15062</u>

*[Signature]*  
Administrator, Office of Oil and Gas

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



RECEIVED  
FEB - 8 1985

OFFICE USE ONLY

OIL & GAS DIV.  
DEPT. OF MINES

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

1) PROPOSED WELL WORK:  Drill  Plug off old formation  Perform new formation  Other physical change in well (specify): Set Intake Sand

2) LOCATION: District: Wheatfield County: Calhoun Elevation: 1025 Well No.: 1025

3) WELL OPERATOR: Name: Geo. H. H. Co. Box 60 Address: W. Va. 25505

4) OIL & GAS INSPECTOR TO BE NOTIFIED: Name: Geo. H. H. Co. Box 60 Address: W. Va. 25505

5) DESIGNATED AGENT: Name: W. W. Va. 25505 Address: W. Va. 25505

6) DRILLING CONTRACTOR: Name: W. W. Va. 25505 Address: W. Va. 25505

7) APPROXIMATE COAL STRAIN DEPTH: 100 feet

8) APPROXIMATE TRAIL DEPTH: 100 feet

9) ESTIMATED DEPTH OF COMPLETED WELL: 100 feet

10) IS COAL BEING MINED IN THE AREA?  Yes  No

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: \_\_\_\_\_

Board	Agent	Plant	Casing	Fee

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

12/08/2023



DATE DEC 1, 1983

WELL NO. #4

State of West Virginia

API NO. 47-013-3889

Department of Mines  
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME FRANKLIN ADKINS  
Address Box 68 CWA W.VA. 25545  
Telephone 655-8973

DESIGNATED AGENT FRANKLIN ADKINS  
Address Box 68 CWA W.VA. 25545  
Telephone 655-8973

LANDOWNER RAY COTTRELL  
Revegetation to be carried out by FRANKLIN ADKINS (Agent)

SOIL CONS. DISTRICT LITTLE KANAWHA

This plan has been reviewed by Little Kanawha SCD. All corrections and additions become a part of this plan: 12-21-83 (Date)

Jarrett Newlon  
(SCD Agent)

ACCESS ROAD

LOCATION

Structure COVERT (A)  
Spacing TABLE 4  
Page Ref. Manual 2-9 & 2-7

Structure DIVERSION DITCH  
Material EARTHEN  
Page Ref. Manual 2-13

Structure DITCH RELIEF CROSS (B)  
Spacing DRAIN 200'-300'  
Page Ref. Manual 2-2 & 2-1

Structure RIP-RAP  
Material ROCK  
Page Ref. Manual 2-9

Structure Drainage Ditch (C)  
Spacing \_\_\_\_\_  
Page Ref. Manual 2-12

Structure \_\_\_\_\_  
Material \_\_\_\_\_  
Page Ref. Manual \_\_\_\_\_

All structures should be inspected regularly and repaired if necessary. 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.

RECEIVED  
FEB 1 1984  
OIL & GAS DIV.  
DEPT. OF MINES

REVEGETATION

ALL AREAS TO BE SEEDED AS  
Treatment Area I  
Lime \_\_\_\_\_ Tons/acre  
or correct to pH 6.5  
Fertilizer 600-800 lbs/acre  
(10-20-20 or equivalent)  
Mulch HAY 2 Tons/acre  
Seed\* KY 31 40 lbs/acre  
LADINO CLOVER 5 lbs/acre  
\_\_\_\_\_ lbs/acre

Treatment Area II  
Lime \_\_\_\_\_ Tons/acre  
or correct to pH \_\_\_\_\_  
Fertilizer \_\_\_\_\_ lbs/acre  
(10-20-20 or equivalent)  
Mulch \_\_\_\_\_ Tons/acre  
Seed\* \_\_\_\_\_ lbs/acre  
\_\_\_\_\_ lbs/acre  
\_\_\_\_\_ lbs/acre

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

12/08/2023

PLAN PREPARED BY WALLACE BOARDLAND SURVEYING

ADDRESS 343 MAIN ST.

SPENCER W.VA. 25276

PHONE NO. 927-5730

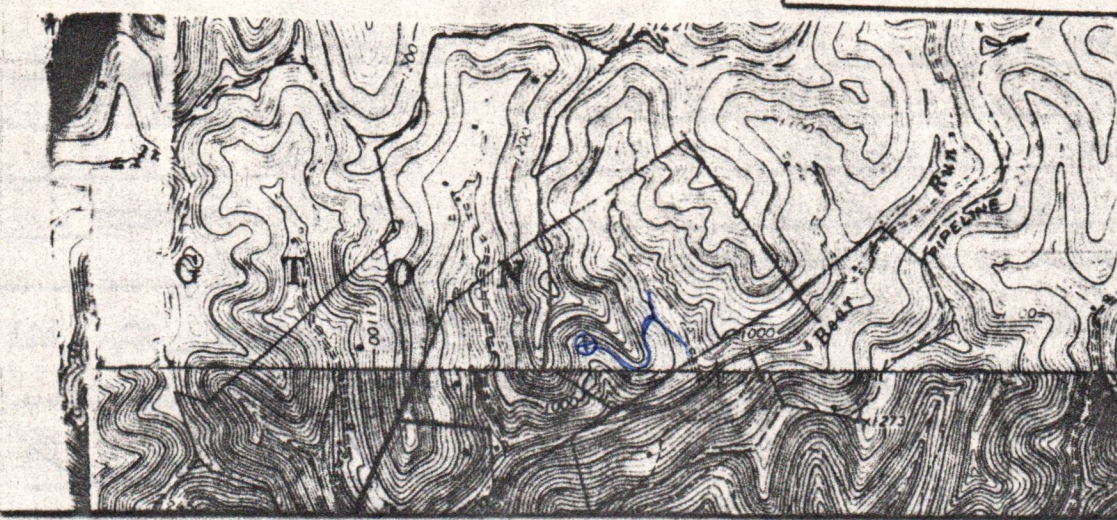
NOTES: Please request landowners' cooperation to protect new seedling for one growing season. Attach separate sheets as necessary for comments.

ATTACH OR PHOTOCOPY SECTION OF  
INVOLVED TOPOGRAPHIC MAP.  
QUADRANGLE MILLSTONE-CHLOE 7.5'

**LEGEND**

Well Site ⊕

Access Road ———

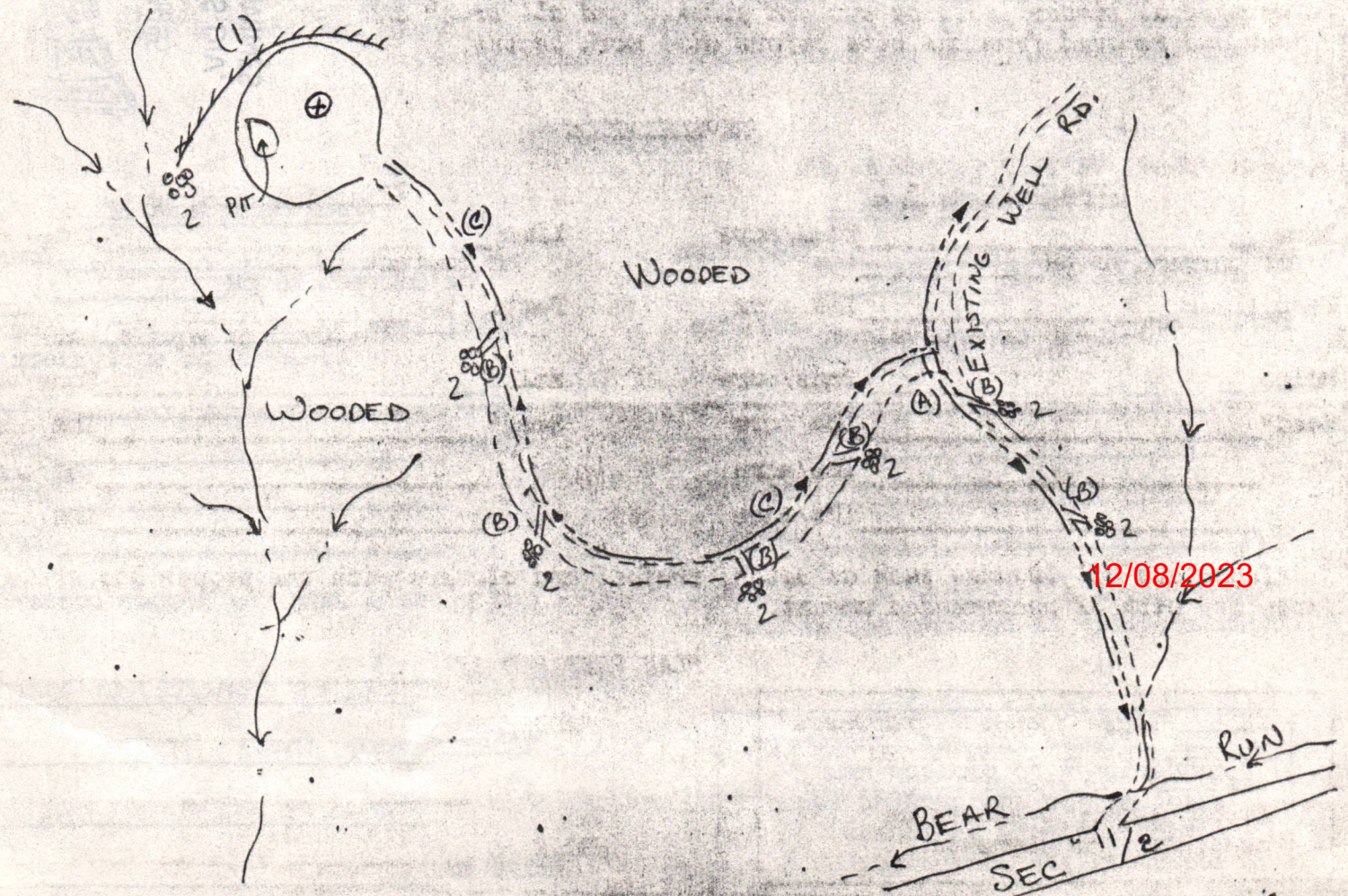


WELL SITE PLAN

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 — x — x —	Wet spot ♀
Planned fence — / — / —	Building ■
Stream ~ ~ ~ ~ ~	Drain pipe — ○ — ○ — →
Open ditch — ···· →	Waterway ⇄ = = =



1) Date: February 4, 19 85  
2) Operator's Well No. Cottrell # 4  
3) API Well No. 37-013-3889 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 Ray Cottrell  
Address Arnoldsburg, WV 25234  
(ii) Name Nora Cottrell  
Address Arnoldsburg, WV 25234  
(iii) Name \_\_\_\_\_  
Address \_\_\_\_\_

5(i) COAL OPERATOR None  
Address \_\_\_\_\_  
5(ii) COAL OWNER(S) WITH DECLARATION ON RECORD:  
Name Nora and Ray Cottrell  
Address Arnoldsburg, WV 25234  
Name Sam Dennison Gary Conley  
Address 2301-36 St. 2600 Mt. Vernon Ave.  
Parkersburg WV Point Pleasant, WV  
5(iii) COAL LESSEE WITH DECLARATION ON RECORD:  
Name None  
Address \_\_\_\_\_

TO THE PERSON(S)  
(1) The Applicant to be and declaration  
(2) The plat and cement  
(3) The Construction plan and reclamation

THE REASON WHICH ARE SUMMARY OF ACTION AT ALL.

Take notice that the operator proposes for a Well Work Department of Mines and depicted on Construction and by hand to the before the day

P 529 027 821

RECEIPT FOR CERTIFIED MAIL  
NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

Sent to	<u>Ray Cottrell</u>
Street and No.	<u>Nora Cottrell</u>
P.O., State and ZIP Code	<u>Arnoldsburg, WV 25234</u>
Postage	\$ <u>37</u>
Certified Fee	<u>75</u>
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to whom and Date Delivered	<u>60</u>
Return receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$ <u>1.72</u>
Postmark or Date	



\* U.S.G.P.O. 1983-403-517 PS Form 3800, Feb. 1982

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

Franklin Adkins  
this 4th day of February, 1985  
My commission expires May 24, 1986.  
Rae Dean  
Notary Public, Wayne County,  
State of West Virginia

WELL OPERATOR Franklin Adkins  
By Franklin Adkins  
Its Agent  
Address P.O. Box 68  
Ona, W. Va. 25545  
Telephone 743 3843

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 specific)

7) ROYALTY PROVISIONS

Is the right to extract, produce or market the oil or gas based upon a lease or lease 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.

RECEIVED  
FEB - 4 1985  
OIL & GAS DIV  
DEPT. OF MINES

12/08/2023

I N S T R U C T I O N S T O A P P L I C A T I O N

CONCERNING THE LEASE TERMS:

- 1) Date of Notice.
- 2) Your well name and number.
- 3) To be filled out by the Office of Oil & Gas.
- 4) & 5) Use separate sheet if necessary.
- 4) Surface owner(s) of record to be served with Notice and Application. However, see also Code § 22-4-1b(b) if "more than three tenants in common or other co-owners of interest described in subsection (a) of this section hold interests in such lands".
- 5(i) "Coal Operator" means any person, firm, partnership, partnership association or corporation that proposes to or does operate a coal mine.
- 5(ii, iii) See Code § 22-4-20.
- 6) See Code § 22-4-11(c). However, in lieu of filing the lease(s) or other continuing contract(s), the Applicant may fill out the information in the space provided below.
- 7) See Code § § 22-4-11(d, e).

CONCERNING THE REQUIRED COPIES FOR FILING AND SERVICE:

Filing. Code § 22-4-1k and Regulation 7.02 provide that the original and required copies of the Notice and Application must be filed with the Administrator, 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 § 22-4-1k(d) and the reclamation required by Code § 22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fees required by Code § 22-4-1a(c) and 22-3-12a, and (v) if applicable, the consent required by Code § 22-4-2a from the owner of any water well on dwelling within 200 feet of the proposed well.

Service. In addition, service must be made on the surface owner(s) and the person(s) with an interest in the coal. See Code § § 22-4-1m, 22-4-2, 22-4-2a, and 22-4-2b.

INFORMATION SUPPLIED UNDER CODE § 22-4-11(d)

IN LIEU OF FILING LEASE(S) AND OTHER CONTINUING CONTRACT(S)

Under the oath required to make the verification on the converse side of this Notice, I depose and say that I am the person who signed the Notice for the Applicant, and that—

- (1) the tract of land is the same tract described in the Application to which this Notice applies, partly or wholly depicted in the accompanying plat, and described in the Construction and Reclamation Plan;
- (2) the parties and recordation data (if recorded) for lease(s) or other continuing contract(s) by which the Applicant claims the right to extract, produce or market the oil or gas are as follows:

Grantor, lessor, etc.	Grantee, lessee, etc.	Royalty	Book	Page
Gladys D. Goudy	Consolidated Gas	6.25 %	57	159
Consolidated Gas	Franklin Adkins	3.125%	62	15
Carrie Conley et al	Franklin Adkins	4.166%	62	13
Eldridge and Nora Cottrell	Franklin Adkins	6.25 %	62	11

AFFIDAVIT OF PERSONAL SERVICE ON SURFACE OWNER  
OF "OIL AND GAS RECLAMATION NOTICE"

STATE OF West Virginia,  
COUNTY OF Cabell:

The undersigned, being first duly sworn, says that the undersigned served a true and complete copy of the attached "Oil and Gas Reclamation Notice" (Form IV-72) with respect to operator's Well No. Cottrell # 4 located in Washington District, Gilmer County, West Virginia, upon the person or organization named-- Nora Cottrell, Arnoldsburg, WV and Ray Cottrell, Arnoldsburg, WV by Registered Mail.

--by delivering the same in \_\_\_\_\_ County, State of \_\_\_\_\_ on the \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_ in the manner specified below.

[COMPLETE THE APPROPRIATE SECTION]

For an individual:

[ ] Handing it to him / her / or, because he / she / refused to take it when I offered it, by leaving it in his / her / presence.

[ ] Handing it to a member of his or her family above the age of 16 years named \_\_\_\_\_ who resides at the usual place of abode of the person to be served, and asking the family member to give it to the person to be served as soon as possible.

For a partnership:

[ ] Handing it to \_\_\_\_\_, a partner of the partnership or, because the partner refused to take it when I handed it over, by leaving it in the presence of the partner.

For a limited partnership:

[ ] Handing it to the general partner, named \_\_\_\_\_, or, because the general partner refused to take it when I tried to hand it over, by leaving it in the presence of the general partner.

For a corporation:

[ ] Handing it to the corporation's employee / officer / director / attorney in fact / named \_\_\_\_\_.

Franklin Atkins  
(Signature of person executing service)

Taken, subscribed and sworn before me this 5 day of Feb., 1985.  
My commission expires April 28, 1986.

Janet C. Pieta  
Notary Public

(AFFIX SEAL IF NOTARIZED IF OUTSIDE THE STATE)

# DOWELL, INC.

COPY

A SUBSIDIARY OF THE DOW CHEMICAL COMPANY  
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

SCHLUMBERGER INCORPORATED REMIT TO: DOWELL SCHLUMBERGER

## INVOICE

INCORPORATED  
P O BOX 360182  
PITT. PA 15230

INVOICE DATE
03/26/85

699965  
ADKO WELL SERVICE

ROUTE 2 BOX 7  
ARNOLDSBURG

WV 25234

PAGE

1

INVOICE NUMBER

01-12-3803

TYPE SERVICE

CEMENTING  
SURFACE/CONDUCTO

JOB SITE	STATE	COUNTY/CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
COTTRELL #	WV	CALHOUN	GLENVILLE WV	DOWELL	
<del>JOB LOCATION</del>			<del>DATE OF SERVICE ORDER</del>	<del>AUTHORIZED BY</del>	
BEAR RUN			03/25/85	TED ADKINS	

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION	UNIT PRICE	AMOUNT
101104007	1	EA	CASING CMTR, 251-1000 FT	440.00	440.00
101104100	105	EA	CASING CMTR, EA FT BELOW 251	.44	46.20
000006001	1	JOB	CONFORM TO BID/CONT-EQUIP	43.02	43.02
000006002	1	JOB	CONFORM TO BID/CONT-MATL (-)	79.90	79.90
100823121	80	CFT	D915, STANDARD CEMENT	5.24	419.20
045014050	100	LBS	D20C, BENTONITE EXTENDER	.12	12.00
067005100	200	LBS	S1, DOWFLAKE CALCIUM CHLORIDE	.27	54.00
059200001	35	MI	MILEAGE, EACH SERVICE TRUCK	2.15	75.25
049102001	136	MI	TRANSPORTATION CMNT EQUALIZE	.75	102.00
049100000	84	CFT	SERVICE CHG CEMENT MATL LAND	.96	80.64
SUB TOTAL --					1,106.37

SE C	TAX EXEMPT	566.84	0.00
ME C	TAX EXEMPT	362.28	0.00

**TERMS** NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE

WITH QUESTIONS ABOUT YOUR ACCOUNT CALL 713-978-3251  
OR WRITE TO DOWELL SCHLUMBERGER, CUSTOMER FINANCIAL  
SERVICES, P O BOX 4370, HOUSTON, TEXAS 77210

**PAY THIS  
AMOUNT**

1,106.37  
**12/08/2023**



LOG SERVICE REPORT



DOWELL DIVISION OF DOW CHEMICALS  
AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

TREATMENT NUMBER: 01-12-3809  
DATE: 3/28/85  
STAGE: DOWELL DISTRICT  
GLENVILLE

PRINTED IN U.S.A.

NAME AND NO. **Cottrell #4**  
FIELD-POOL

LOCATION (LEGAL) **Bear Run RD.**  
FORMATION

COUNTY/PARISH **CALHOUN Co.** STATE **W.V.** API NO.

NAME **Ted Adkins**

AND

ADDRESS

ZIP CODE

RIG NAME **Moore's Rig #1**

WELL DATA		BOTTOM		TOP	
BIT SIZE <b>7 7/8</b>	CSG/LINER SIZE <b>4 1/2"</b>				
TOTAL DEPTH <b>2300</b>	WEIGHT <b>10.5</b>				
<input checked="" type="checkbox"/> ROT. CABLE	FOOTAGE <b>2286</b>				
MUD TYPE	GRADE <b>NEW</b>				
<input type="checkbox"/> BHST <input type="checkbox"/> BHCT	THREAD <b>8/8</b>				
MUD DENSITY	LESS FOOTAGE SHOE JOINT(S)				
MUD VISC	DISP. CAPACITY <b>36</b>				TOTAL

NOTE: INCLUDE FOOTAGE FROM GROUND LEVEL TO HEAD IN DISP. CAPACITY

SPECIAL INSTRUCTIONS

**Cement 4 1/2 casing AS**

**Customer Instructions**

SHOE FLOAT	TYPE	<b>Float shoe</b>	STAGE TOOL	TYPE	
	DEPTH	<b>2286</b>		DEPTH	
SHOE	TYPE	<del>Float shoe</del>	STAGE TOOL	TYPE	
	DEPTH	<del>2286</del>		DEPTH	

HEAD & PLUGS		TBG	D.P.	SQUEEZE JOB	
<input type="checkbox"/> DOUBLE	SIZE			<input type="checkbox"/> TOOL	TYPE
<input checked="" type="checkbox"/> SINGLE	WEIGHT				DEPTH
<input type="checkbox"/> SWAGE	GRADE			TAIL PIPE: SIZE	DEPTH
<input checked="" type="checkbox"/> KNOCKOFF	<input type="checkbox"/> THREAD			TUBING VOLUME	Bbls
TOP: R: W	<input type="checkbox"/> NEW: <input type="checkbox"/> USED			CASING VOL. BELOW TOOL	Bbls
BOT: R: W	DEPTH			TOTAL	Bbls
				ANNUAL VOLUME	Bbls

PRESSURE LIMIT **3000** PSI BUMP PLUG TO **1500** PSI

ROTATE RPM RECIPROCATATE FT NO. OF CENTRALIZERS

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
0130					0130	3/28	0130	3/28			
0200											
0230		500	15	3							
0235		500	15	3							
0240		300	55	4							
0255											
0310			10	4							
0313			30	5							
0320											
0321											
0330		1500	36.5	2							

PRE-JOB SAFETY MEETING **Yes**

Arrived on location  
Spot Unit Hookup  
Pump H2O  
Mix Gel To Pump Down Pipe  
Pump H2O Pipe Down  
Hookup Cement Head

Pump H2O  
Mix Cement well circulated  
Wash out lines  
Drop Plug  
Plug Landed

Rack up & Wash up

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU FT/SK	COMPOSITION OF CEMENTING SYSTEMS		SLURRY MIXED	
					BBLs	DENSITY
1.	120	1.28	Light Weight 5	10% SALT	28	14.4
2.						
3.						
4.						
5.						
6.						

BREAKDOWN FLUID TYPE VOLUME **30** DENSITY **14.4** PRESSURE MAX. **1500** MIN. **---**

HESITATION SO.  RUNNING SO.  CIRCULATION LOST  YES  NO CEMENT CIRCULATED TO SURF.  YES  NO

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. **36** Bbls TYPE OF WELL  OIL  GAS  STORAGE  INJECTION  BRINE WATER  WILDCAT

WASHED THRU PERFS  YES  NO TO FT MEASURED DISPLACEMENT   WIRELINE

PERFORATIONS CUSTOMER REPRESENTATIVE **Ted Adkins** DOWELL SUPERVISOR **[Signature]** **12/08/2023**



RECEIVED  
DEPARTMENT OF ENERGY  
OIL AND GAS

State of West Virginia

Department of Mines  
Oil and Gas Division

Date June 20, 1985  
Operator's Cottrell #4  
Well No. \_\_\_\_\_  
Farm Ray Cottrell  
API No. 47 - 013 - 3889

MAY 9 1986

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: 1035 Watershed Bear Run  
District: Washington County Calhoun Quadrangle Millstone 7.5

COMPANY Franklin Adkins  
ADDRESS P. O. Box 68, Ona, W. V. 25545  
DESIGNATED AGENT Franklin Adkins  
ADDRESS P. O. Box 68, Ona, W V 25545  
SURFACE OWNER Ray Cottrell  
ADDRESS Arnoldsburg, W. Va.  
MINERAL RIGHTS OWNER Ray Cottrell et al  
ADDRESS Arnoldsburg, W. Va.  
OIL AND GAS INSPECTOR FOR THIS WORK      
Deo Mace ADDRESS Sandridge, W. Va.  
PERMIT ISSUED March 18, 1985  
DRILLING COMMENCED March 26, 1985  
DRILLING COMPLETED March 28, 1985  
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.			
13-10"			
9 5/8			
8 5/8	300	300	Bk to Sur
7			
5 1/2			
4 1/2		2280	120 sks
3			
2		2270	
Liners used			

GEOLOGICAL TARGET FORMATION Big Injun Sand Depth 2170-2236 feet  
Depth of completed well 2281 feet Rotary     / Cable Tools x  
Water strata depth: Fresh 15 feet; Salt     feet  
Coal seam depths: None Is coal being mined in the area? No

OPEN FLOW DATA

Producing formation Injun Sand Pay zone depth 2170-2236 feet  
Gas: Initial open flow -0- Mcf/d Oil: Initial open flow -0- Bbl/d  
Final open flow 133 Mcf/d Final open flow 1 Bbl/d  
Time of open flow between initial and final tests 4 hours  
Static rock pressure 340 psig (surface measurement) after 24 hours shut in  
(If applicable due to multiple completion--)  
Second producing formation     Pay zone depth 12/08/2023  
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)

CAL 3889

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

Perforated Big Injun Sand: 2188-94 with 9 holes,  
2226-31 with 5 holes.

Fractured with: 1500 gals. of acid, 20 gals., W-22, Non-emulsifying agent, 15 gals., ezeflo, 350 lbs J 266 Gelling Agent, 30,000 lbs., Sand (20-40) mesh, 700 bbls., of water.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS
					Including indication of all fresh and salt water, coal, oil and gas
Sand & Slate			0	132	show of fresh water
Sand			132	410	
Slate			410	920	
Sand			920	980	
Slate			980	1050	
Sand			1050	1125	
Slate			1125	1164	
Sand			1164	1260	
Slate & Sand			1260	1856	
Sand (Salt Sand)			1856	1982	
Slate			1982	2004	
Sand (Maxton)			2004	2044	
Slate			2044	2062	
Lime (Big)			2062	2106	
Sand (Kenner)			2106	2166	
Sand (Injun)			2166	2238	show of oil & gas
Slate & T. D.			2238	2281	

(Attach separate sheets as necessary)

Franklin Adkins

Well Operator

By:

Date: June 20, 1985

12/08/2023

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."

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

**RECEIVED**  
APR 2 - 1985  
OIL & GAS DIVISION  
DEPT. OF MINES

**INSPECTOR'S WELL REPORT**

Permit No. 13-3889

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

Company Franklin Adkins  
 Address \_\_\_\_\_  
 Farm Cottrell  
 Well No. 4  
 District Washington County Cal.  
 Drilling commenced 3-25-85  
 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 C. Moore 1

Remarks:  
353' 8 5/8" casing, 80 95 cement, Dowell, 3-26-85  
good cement circulated. 10AM

3-26-85  
DATE

W. Moore 42108/2023  
DISTRICT WELL INSPECTOR

2/16/82

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

DISTRICT 12/08/2023

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

RECORDED  
ENERGY  
OIL AND GAS

INSPECTOR'S WELL REPORT

APR 30 1986

Permit No. 13-3889

(3-18-85)

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

Company <u>Franklin Adkins</u>	CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Address _____	Size			
Farm <u>R. Cottrell</u>	16			Kind of Packer _____
Well No. <u>H</u>	13			
District <u>Wash</u> County <u>Cal</u>	10			Size of _____
Drilling commenced _____	8 1/4			
Drilling completed _____ Total depth _____	6 1/2			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:

Release Reclamation

4-26-86

DATE

Des Mace

12/08/2023  
DISTRICT WELL INSPECTOR

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

807 0 5 117A

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 \_\_\_\_\_

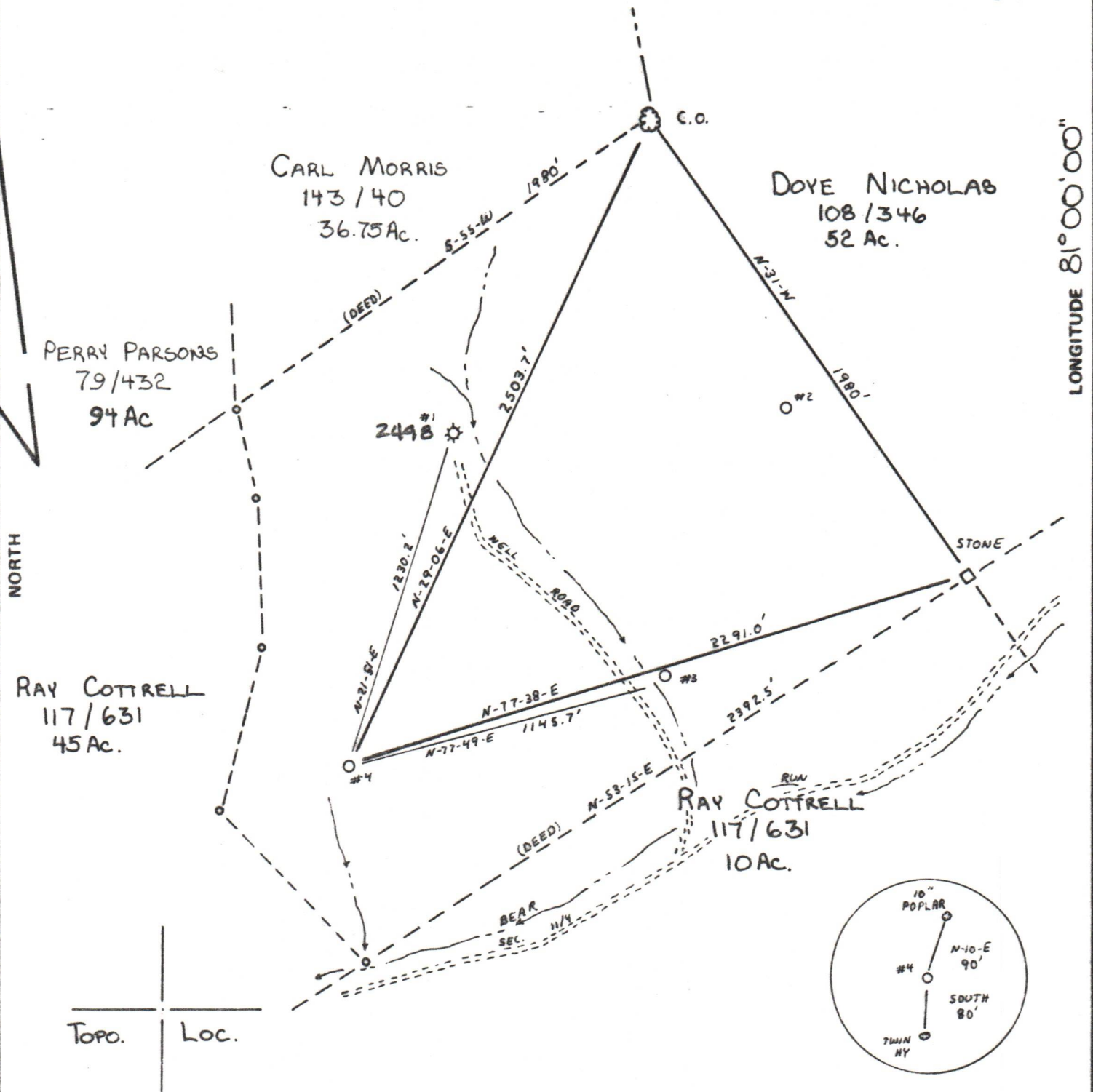
Remarks: \_\_\_\_\_

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

12/08/2023  
DISTRICT WELL INSPECTOR

LATITUDE 38° 47' 30"

LONGITUDE 81° 00' 00"



Topo. Loc.

FILE NO. \_\_\_\_\_  
 DRAWING NO. 83-177-4  
 SCALE 1" = 500'  
 MINIMUM DEGREE OF ACCURACY 1 IN 200  
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 3500'  
NORTH OF WELL EL = 1421

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) Carl B. O'Brien  
 R.P.E. \_\_\_\_\_ L.L.S. 757

PLACE SEAL HERE

STATE OF WEST VIRGINIA  
 DEPARTMENT OF MINES  
 OIL AND GAS DIVISION



DATE DEC. 1, 1983  
 OPERATOR'S WELL NO. COTTRELL #4  
 API WELL NO. 47-013-3889  
 STATE COUNTY PERMIT

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS  
 WELL TYPE: OIL  GAS  LIQUID INJECTION \_\_\_\_\_ WASTE DISPOSAL \_\_\_\_\_  
 (IF "GAS,") PRODUCTION  STORAGE \_\_\_\_\_ DEEP \_\_\_\_\_ SHALLOW \_\_\_\_\_  
 LOCATION: ELEVATION 1035' WATER SHED BEAR RUN  
 DISTRICT WASHINGTON COUNTY CALHOUN  
 QUADRANGLE MILLSTONE 7.5'  
 SURFACE OWNER RAY COTTRELL ACREAGE 104.5  
 OIL & GAS ROYALTY OWNER DENNISON, CONLEY, COTTRELL LEASE ACREAGE 104.5 12/08/2023  
 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 BIG INJUN ESTIMATED DEPTH 2400  
 WELL OPERATOR FRANKLIN ADKINS DESIGNATED AGENT FRANKLIN ADKINS  
 ADDRESS Box 68 ADDRESS SAME  
ONA, W.VA. 25545