

[08-78]

OIL AND GAS WELL PERMIT APPLICATION

Operator's Well No. Carson 2B
API Well No. 47-021-3542
State County Permi

WELL TYPE: Oil / Gas /
(If "Gas", Production / Underground storage / Deep / Shallow /)
LOCATION: Elevation: 1021 Watershed: Stewart Creek
District: Glennville County: Gilmer Quadrangle: Gilmer

WELL OPERATOR Waco Oil & Gas Co. Inc.
Address PO Box 4
Glennville, WV 26351

DESIGNATED AGENT Jerry Masoner
Address PO Box 4
Glennville, WV

OIL & GAS ROYALTY OWNER Minter Carson, etal
Address Baldwin, WV

COAL OPERATOR none
Address _____

Acreage 32.85

COAL OWNER(S) WITH DECLARATION ON RECORD:

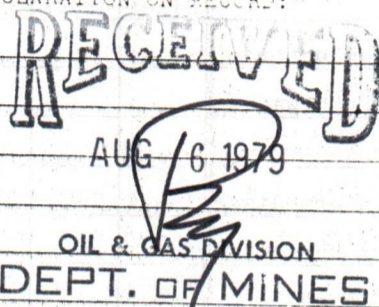
SURFACE OWNER Minter Carson, etal
Address Baldwin, WV
Acreage 32.85

Name _____
Address _____
Name _____
Address OIL & GAS DIVISION
DEPT. OF MINES

FIELD SALE (IF MADE) TO:
Name Columbia Gas Company
Address Charleston, WV

COAL LESSEE WITH DECLARATION ON RECORD:
Name none
Address _____

OIL & GAS INSPECTOR TO BE NOTIFIED
Name Paul Goodnight
Address Smithville, WV
477-3660



The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed / lease / other contract / dated June 20, 19 77, to the undersigned well operator from Minter Carson, etal

[If said deed, lease, or other contract has been recorded:]
Recorded on July, 19 79, in the office of the Clerk of the County Commission of Gilmer County, West Virginia, in Deed Book 306 at page 279. 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

Waco Oil & Gas Company
Well Operator
By Jerry Masoner
Its Agent

12/01/2023

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Fox Drilling Company 1501

Address _____
Glenville, WV

GEOLOGICAL TARGET FORMATION, Denonian Shale

Estimated depth of completed well, 5200 feet Rotary / Cable tools _____ /

Approximate water strata depths: Fresh, N/A feet; salt, N/A feet.

Approximate coal seam depths: N/A **Is coal being mined in the area?** Yes _____ / No _____ /

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 5/8	ERW	20	x		400'	400'	150 sks.	
Production	4 1/2	K55	9.5	x			5200'	150 sks.	Depths set
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, of the W. Va. Code, the location is hereby approved for drilling. This permit shall expire if operations have not commenced by 4-6-80.

[Signature]
Deputy Director - Oil & Gas Division

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:

W A I V E R

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.

12/01/2023

Date: _____, 19____

By _____

Its _____

STAMPEL BUREAU

Date: August 6, 1979

Operator's Well No. Carson 2B

API Well No. 47 - 021 - 3542
State County Permit

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

RECLAMATION PLAN

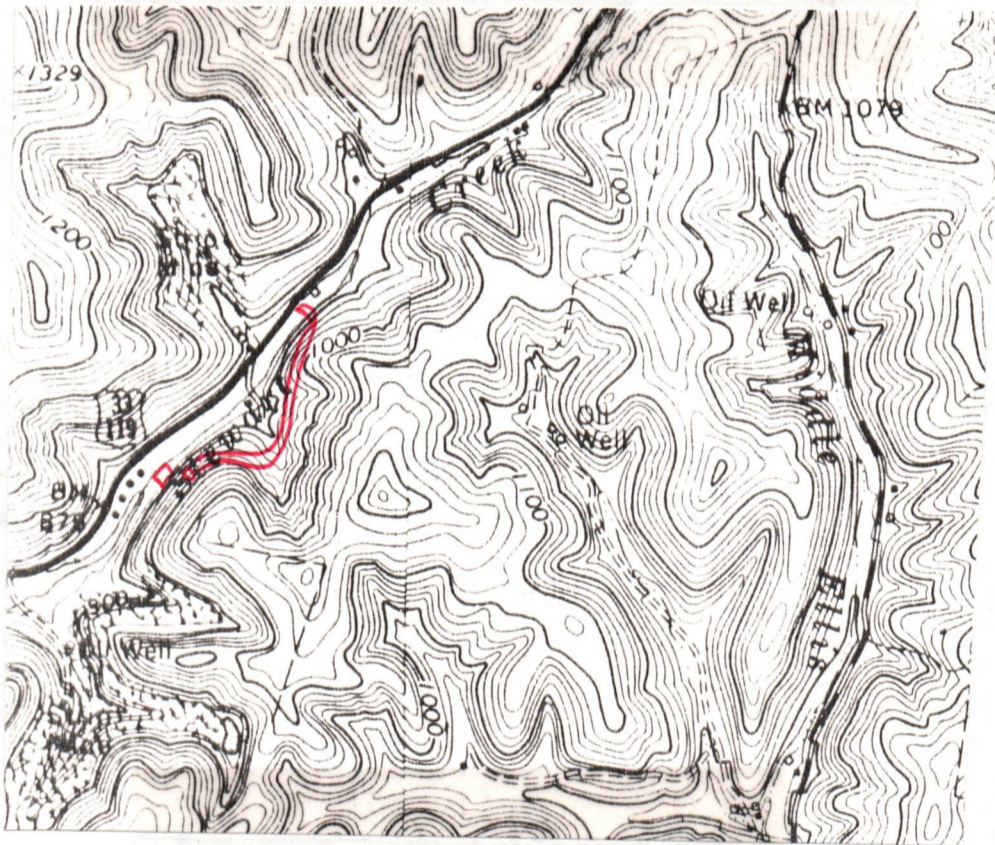
WELL OPERATOR Waco Oil & Gas Company
Address PO Box 4
Glenville, WV

DESIGNATED AGENT Jerry Masoner
Address PO Box 4
Glenville, WV

The well operator hereby agrees to carry out the reclamation requirements of Code § 22-4-12b in the manner set out below.

This plan has ___/ has not X/ been reviewed with the district oil and gas inspector.

SKETCH: (Locate and show the (1) well location, (2) existing access road, (3) access road to be constructed, (4) well site, (5) drilling pit(s), and (6) necessary drainage features, including drains (natural and manmade), silt traps, etc.)



STATEMENT OF RECLAMATION PLAN (Complete on reverse side if necessary)

Not to scale, drawing of all roads, locations, ditches, drains, pits, silt traps, etc.

LOCATION: All brush and salvageable timber to cut and timber stacked and saved.

PIT: Pit to be constructed adjacent to and below location and of sufficient size as to collect and contain all drilling fluids.

ROAD: Will build new road and maintain same, installing culvert for drainage where necessary.

RECLAMATION: Pits to be filled. All disturbed area to be graded and hydroseeded.

Handwritten signature

Waco Oil & Gas Company, Inc.

Well Operator

12/01/2023

RECEIVED
AUG 6 1979

By

Its

Jerry Masoner
agent

HALLIBURTON SERVICES

JOB SUMMARY

FORM 2012 R-2

HALLIBURTON DIVISION
 HALLIBURTON LOCATION

WELTON

BILLED ON TICKET NO. 722911

WELL DATA

FIELD Stewart Creek SEC. _____ TWP. _____ RNG. _____ COUNTY G. Imer STATE W. VA

FORMATION NAME _____ TYPE _____
 FORMATION THICKNESS _____ FROM _____ TO _____
 INITIAL PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 PRESENT PROD: OIL _____ BPD. WATER _____ BPD. GAS _____ MCFD
 COMPLETION DATE _____ MUD TYPE _____ MUD WT. _____
 PACKER TYPE _____ SET AT _____
 BOTTOM HOLE TEMP. _____ PRESSURE _____
 MISC. DATA 10 3/8" HOLE TOTAL DEPTH 483'

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>10</u>	<u>28</u>	<u>8 7/8</u>	<u>KB</u>	<u>455'</u>	<u>300</u>
LINER						
TUBING						
OPEN HOLE						SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE	
FLOAT COLLAR			
FLOAT SHOE			
GUIDE SHOE	<u>8 7/8</u>	<u>1</u>	<u>HOUKO</u>
CENTRALIZERS	<u>8 7/8</u>	<u>1</u>	<u>HOUKO</u>
BOTTOM FLUG			
TOP FLUG LA 10	<u>1</u>		<u>HOUKO</u>
HEAD 1/2" MANIFOLD			
PACKER			
OTHER cement GASKET	<u>1</u>		<u>HOUKO</u>

JOB DATA

CALLLED OUT DATE	ON LOCATION DATE	JOB STARTED DATE	JOB COMPLETED DATE
<u>5-2-79</u>	<u>8-8-79</u>	<u>8-8-79</u>	<u>8-8-79</u>
TIME <u>06:30</u>	TIME <u>08:20</u>	TIME <u>9:20</u>	TIME <u>10:20</u>

PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>J. SQUIRES</u>	<u>Operator</u>	<u>Winston</u>
<u>D. MESSINGER</u>	<u>8775 61-C</u>	<u>Winston</u>
<u>M. LEWIS</u>	<u>2249 T.T</u>	<u>Winston</u>
<u>C. BARKINS</u>	<u>Extra</u>	<u>Winston</u>

MATERIALS

TREAT. FLUID _____ DENSITY _____ LB/GAL. API
 DISPL. FLUID _____ DENSITY _____ LB/GAL. API
 PROP. TYPE _____ SIZE _____ LB.
 PROP. TYPE _____ SIZE _____ LB.
 ACID TYPE _____ GAL. %
 ACID TYPE _____ GAL. %
 ACID TYPE _____ GAL. %
 SURFACTANT TYPE _____ GAL. IN
 WE AGENT TYPE _____ GAL. IN
 FLUID LOSS ADD. TYPE _____ GAL.-LB. IN
 GELLING AGENT TYPE _____ GAL.-LB. IN
 FRIC. RED. AGENT TYPE _____ GAL.-LB. IN
 BREAKER TYPE _____ GAL.-LB. IN
 BLOCKING AGENT TYPE _____ GAL.-LB.
 PERFPAC BALLS TYPE _____ QTY.
 OTHER 4 HALLIBURTON GRI MAT MIXED

DEPARTMENT CEMENT
 DESCRIPTION OF JOB CEMENT 8 7/8 CASING
 JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.
 CUSTOMER REPRESENTATIVE X B. R. White
 HALLIBURTON OPERATOR James R. Squires COPIES REQUESTED _____

CEMENT DATA

STAGE	NUMBER OF SACKS	TYPE	API CLASS	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>130</u>	<u>STD</u>	<u>A</u>	<u>HOUKO</u>	<u>B</u>	<u>3% Calcium Chloride 20% Flocc</u>	<u>1.18</u>	<u>156</u>

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING _____ DISPLACEMENT _____ PRESURSH: BBL.-GAL. _____ TYPE _____
 BREAKDOWN _____ MAXIMUM _____ LOAD & BKDN: BBL.-GAL. _____ PAD: BBL.-GAL. _____
 AVERAGE _____ FRACTURE GRADIENT _____ TREATMENT: BBL.-GAL. _____ DISPL: BBL.-GAL. _____
 SHUT-IN: INSTANT _____ 5-MIN. _____ 15-MIN. _____ CEMENT SLURRY: BBL.-GAL. _____
 HYDRAULIC HORSEPOWER _____ TOTAL VOLUME: BBL.-GAL. _____
 ORDERED _____ AVAILABLE _____ USED _____ REMARKS SFE JOB LOG
 AVERAGE RATES IN BPM _____
 TREATING _____ DISPL. _____ OVERALL _____
 CEMENT LEFT IN PIPE _____
 FEET _____ REASON _____

12/01/2023

CUSTOMER

CUSTOMER: _____
 LEASE: _____
 WELL NO.: _____
 JOB TYPE: _____
 DATE: 8-8-79



WORK ORDER CONTRACT AND PRE-TREATMENT DATA

ATTACH TO INVOICE & TICKET NO. 722911

DATE 8-8-79

DISTRICT WINTON

TO: HALLIBURTON SERVICES YOU ARE HEREBY REQUESTED TO FURNISH EQUIPMENT AND SERVICEMEN TO DELIVER AND OPERATE THE SAME AS AN INDEPENDENT CONTRACTOR TO: Waco Oil & Gas (CUSTOMER) AND DELIVER AND SELL PRODUCTS, SUPPLIES, AND MATERIALS FOR THE PURPOSE OF SERVICING

WELL NO. 2B LEASE PARSON SEC. _____ TWP. _____ RANGE _____
FIELD Stewart Creek COUNTY Culmeca STATE W.VA OWNED BY Waco Oil & Gas

THE FOLLOWING INFORMATION WAS FURNISHED BY THE CUSTOMER OR HIS AGENT

FORMATION NAME	TYPE	NEW USED	WEIGHT	SIZE	FROM	TO	MAX. ALLOW. P.S.I.
FORMATION THICKNESS	FROM TO						
PACKER: TYPE	SET AT						
TOTAL DEPTH	MUD WEIGHT						
BORE HOLE							SHOTS/FT.
INITIAL PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							
PRESENT PROD: OIL _____ BPD, H ₂ O _____ BPD, GAS _____ MCF							

PREVIOUS TREATMENT: DATE _____ TYPE _____ MATERIALS _____

TREATMENT INSTRUCTIONS: TREAT THRU TUBING ANNULUS CASING TUBING/ANNULUS HYDRAULIC HORSEPOWER ORDERED _____
CEMENT 8 3/8 CASING

CUSTOMER OR HIS AGENT STATES THE WELL IS IN PROPER CONDITION TO RECEIVE THE PRODUCTS, SUPPLIES, MATERIALS, AND SERVICES

THIS CONTRACT MUST BE SIGNED BEFORE WORK IS COMMENCED

- As consideration, the above-named Customer agrees:
- (a) To pay Halliburton in accord with the rates and terms stated in Halliburton's current price lists.
 - (b) Halliburton shall not be responsible for and Customer shall secure Halliburton against any liability for damage to property of Customer and of the well owner (if different from Customer), unless caused by the willful misconduct or gross negligence of Halliburton, this provision applying to but not limited to subsurface damage and surface damage arising from subsurface damage.
 - (c) Customer shall be responsible for and secure Halliburton against any liability for reservoir loss or damage, or property damage resulting from subsurface pressure losing control of the well and/or a well blowout, unless such loss or damage is caused by the willful misconduct or gross negligence of Halliburton.
 - (d) Customer shall be responsible for and secure Halliburton against any and all liability of whatsoever nature for damages as a result of subsurface trespass, or an action in the nature thereof, arising from a service operation performed by Halliburton hereunder.
 - (e) Customer shall be responsible for and secure Halliburton against any liability for injury to or death of persons, other than employees of Halliburton, or damage to property (including, but not limited to, injury to the well), or any damages whatsoever, irrespective of cause, growing out of or in any way connected with the use of radioactive material in the well hole, unless such damage shall be caused by the willful misconduct or gross negligence of Halliburton.
 - (f) Halliburton makes no guarantee of the effectiveness of the products, supplies or materials, nor of the results of any treatment or service.
 - (g) Customer shall, at its risk and expense, attempt to recover any Halliburton equipment, tools or instruments which are lost in the well and if such equipment, tools or instruments are not recovered, Customer shall pay Halliburton its replacement cost unless such loss is due to the sole negligence of Halliburton. If Halliburton equipment, tools or instruments are damaged in the well, Customer shall pay Halliburton the lesser of its replacement cost or the cost of repairs unless such damage is caused by the sole negligence of Halliburton. In the case of equipment, tools or instruments for marine operations, Customer shall, in addition to the foregoing, be fully responsible for loss of or damage to any of Halliburton's equipment, tools or instruments which occurs at any time after delivery to Customer at the landing until returned to the landing, unless such loss or damage is caused by the sole negligence of Halliburton.
 - (h) Because of the uncertainty of variable well conditions and the necessity of relying on facts and supporting services furnished by others, Halliburton is unable to guarantee the accuracy of any chart interpretation, research analysis, job recommendation or other data furnished by Halliburton. Halliburton personnel will use their best efforts in gathering such information and their best judgment in interpreting it, but Customer agrees that Halliburton shall not be responsible for any damages arising from the use of such information except where due to Halliburton's gross negligence or willful misconduct in the preparation or furnishing of it.
 - (i) Halliburton warrants only title to the products, supplies and materials and that the same are free from defects in workmanship and materials. THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, OF MERCHANTABILITY, FITNESS OR OTHERWISE WHICH EXTEND BEYOND THOSE STATED IN THE IMMEDIATELY PRECEDING SENTENCE. Halliburton's liability and Customer's exclusive remedy in any cause of action (whether in contract, tort, breach of warranty or otherwise) arising out of the sale or use of any products, supplies or materials is expressly limited to the replacement of such products, supplies or materials on their return to Halliburton or, at Halliburton's option, to the allowance to the Customer of credit for the cost of such items. In no event shall Halliburton be liable for special, incidental, indirect, punitive or consequential damages.
 - (j) Upon Customer's default in the payment of Customer's account 60 days after date of invoice, such account will thereafter be subject to interest until paid. In the event it becomes necessary to employ an attorney to enforce collection of such account, Customer agrees to pay all collection costs and attorney fees in the amount of 20 per cent of the amount of the unpaid account.
 - (k) Halliburton shall not be bound by any changes or modifications in this contract, except where such change or modification is made in writing by a duly authorized executive officer of Halliburton.

I HAVE READ AND UNDERSTAND THIS CONTRACT AND REPRESENT THAT I AM AUTHORIZED TO SIGN THE SAME AS CUSTOMER'S AGENT

SIGNED B. W. No 754 VJ CUSTOMER

DATE 8-8-79

TIME 08:30 A.M. P.M.

12/01/2023

We certify that the Fair Labor Standards Act of 1938, as amended, has been complied with in the production of goods and/or with respect to services furnished under this contract.

ICES

WELL NO. 213 LEASE WILSON TICKET NO. 722911

CUSTOMER Waco Oil & Gas PAGE NO. 1

JOB TYPE Concrete 8 7/8 CASING DATE 6-8-79

RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
		T	C	TUBING	CASING	
						on location + Rigging up
						Safety Meeting & Job Plan
						WASH PIPE DOWN
					150	Pump 21 BBI 6 7/8 gal
					100	Pump 5 BBI SPACER
					250	Pump 28 BBI CM&
10:20					300	Pump 20.5 BBI DISP
					600	LAND PLUG

CUSTOMER

12/01/2023



A DIVISION OF HALLIBURTON COMPANY

REMIT TO
P. O. BOX 84737
DALLAS, TEXAS 75284
DIRECT ANY CORRESPONDENCE TO
P. O. DRAWER 1431
DUNCAN, OKLAHOMA 73533

PAGE 1 OF

1 PAGES

FIELD TICKET

NO.

722911

WELL NO. AND FARM 2B CARSON	COUNTY Gilmer	STATE W. VA	DATE 8-8-79
CHARGE TO Waco Oil & Gas	OWNER Waco Oil & Gas	DUNCAN USE ONLY	
ADDRESS P.O. Box 4	CONTRACTOR Fox Dalg	LOCATION 1 Weston	CODE 10880
CITY, STATE, ZIP Glenville, W. VA	SHIPPED VIA	LOCATION 2	CODE
DUNCAN USE ONLY	DELIVERED TO	LOCATION 3	CODE
	ORDER NO.	BULK MATERIAL DELIVERY TICKET NO. B-705453	
	TOTAL ACID-30 DAYS	WELL TYPE Gas Deep	CODE GD
TERMS: NET	DUE BY THE 20TH OF FOLLOWING MONTH. INTEREST CHARGED AFTER 60 DAYS FROM DATE OF INVOICE.		
	TYPE AND PURPOSE OF JOB CEMENT 8 7/8 CASING		

PRICE REFERENCE	SECONDARY REF. OR PART NO.	CODE		DESCRIPTION	UNITS 1		UNITS 2		UNIT PRICE	AMOUNT	
		L	D		QTY.	MEAS.	QTY.	MEAS.			
000-117				MILEAGE ON 8775	25	mi			1.50	37.50	
001-014				Pumping Charge	455	FT.				368.25	
504-043				STANDARD Bulk Cement	130				4.10	533.00	
509-406				Calcium Chloride mix 3% w/130sk	4				15.50	62.00	
507-210				Fluocel mix 1/2 p/sk	33	lb			.68	22.44	
509-554				Halliburton gel mix	4				5.50	22.00	
030-502				LA-10 Top Plug	1	sk				33.15	
12-A	825-217			Guide Shoe	1	sk			134.00	134.00	
40	807-91035			CENTRO 1.2ER	1	sk			39.00	39.00	
320	806-8888			CEMENT BASKET	1	sk			84.00	84.00	
				SERVICE CHARGE ON MATERIALS RETURNED							
500-207				SERVICE CHARGE	138	CU. FT.			.68	93.84	
500-316				TOTAL WEIGHT 12620 LOADED MILES 25	15745	TON MILES			.54	85.18	

TAX REFERENCES		SUB TOTAL
WAS JOB SATISFACTORILY COMPLETED?		TAX
WAS OPERATION OF EQUIPMENT SATISFACTORY?		TAX
WAS PERFORMANCE OF PERSONNEL SATISFACTORY?		TAX
X <i>Billie H. H. H.</i> Customer or His Agent	<i>James R. Square</i> Halliburton Operator	TOTAL

THIS IS NOT AN INVOICE

12/01/2023

TAXES, PRICE CHANGES, AND OTHER APPLICABLE DATA WILL BE SHOWN ON OUR INVOICE TO BE SUBMITTED FOR PAYMENT AT A LATER DATE.

CUSTOMER



DOWELL DIVISION OF DOW CHEMICAL U.S.A.

SERVICE ORDER, RECEIPT,
AND INVOICE NUMBER
1-12-1598

DEPT. 76
TULSA, OKLAHOMA 74182
(REMIT TO ABOVE ADDRESS)

SALES CODE & JOB COUNT
2851

TERMS: DUE END OF MONTH
FOLLOWING MONTH OF SALE.

CUSTOMER NUMBER: **350953** DATE: **8/11/79** CUSTOMER P.O. NUMBER: **Verbal** SHIPPED VIA: **Dowell units Glenville, W Va 47**

WELL NAME AND NUMBER: **Carson # 2 B** LOCATION AND POOL: **Baldwin**

COUNTY, CITY (IF WITHIN CITY LIMITS) & STATE: **Gilmer W Va** TYPE OF SERVICE: **Cement 4 1/2**

CUSTOMER'S NAME: **Waco Oil & Gas Co Inc**

ADDRESS: **Box 4**

CITY, STATE & ZIP CODE: **Glenville, W Va 26351**

SERVICE ORDER

IMPORTANT: SEE OTHER SIDE FOR TERMS & CONDITIONS

I have read, understood and agreed to the terms & conditions printed on the reverse side hereof and represent that I have full authority to accept same and sign this order.

CUSTOMER BY: *[Signature]* AUTHORIZED AGENT

R. T. MILEAGE **11**

UNIT NO.	EQUIP. OPERATOR NUMBER	INIT.	R.T. TRVL TIME	HRS. ON LOC.

SERVICE INSTRUCTIONS:

ITEM NO.	QUANTITY	UNIT	Material, Equipment and Services Used	Unit Price	AMOUNT
59200-001	6	EA mi	Mileage Charge	1. ⁴⁴ / ₁₀₀	8.64
48005-006	1	EA	Pumper to 4875 ft	870. ⁰⁰ / ₁₀₀	870.00
49100-000	164	cu ft	Service Charge	.71	116.44
49102-060	50	Tm	Hauling 16,670 lbs @ 6 mi	.50	34.00
40001-000	75	Per SK	Reg Bulk Cement	4. ⁴⁰ / ₁₀₀	330.00
45008-000	75	cu ft	Lite poz	1. ⁴⁵ / ₁₀₀	108.75
45014-002	3000	Per lb	Bentonite	.10	300.00
44003-005	100	Per lb	Cello flake	.72	72.00
45004-100	718	Per lb	D44 salt	.10	71.80
10001-003	500	Per gal	15% Acid	.49	245.00
11028-053	2	Per gal	A200 Inhibitor	14. ⁵⁰ / ₁₀₀	29.00
00401-002	150	cu ft	2% Bentonite Blended	N/C	N/C

ENGR. NO. / ENGINEER'S NAME

REMARKS: **AUG 20 1979**

OIL & GAS DIVISION
DEPT. OF MINES

RE-WORK NEW WELL API OR MA NUMBER **3542**

DOWELL REPRESENTATIVE: **James Burroughs** PAYROLL INIT. **JFB**

RECEIPT: THE UNDERSIGNED HEREBY CERTIFIES THAT THE MATERIALS AND EQUIPMENT LISTED ABOVE WERE RECEIVED AND THE SERVICES WERE PERFORMED IN A Satisfactory LIKE MANNER.

CUSTOMER BY: *[Signature]* AUTHORIZED AGENT

		SUB TOTAL	2,185.63
	Gallons	License Fee	
	Gallons	License Fee	

MK--C % Tax on \$ **1,315.63** -0-

SK--C % Tax on \$ **870.00** -0-

CNTY AND SSA NUMBER
021-03

TOTAL **2,185.63**

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

Date August 17, 19 79

FORM IV-35
(Obverse)

Operator's well No. Carson 2B

[08-78]

WELL OPERATOR'S REPORT 9
OF

API Well No. 47 - 021 - 35
State County Permi

DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

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

LOCATION: Elevation: 1021 Watershed: Stewart Creek
District: _____ County: Gilmer Quadrangle: Gilmer

WELL OPERATOR Waco Oil & Gas Company DESIGNATED AGENT J. Masoner
Address PO Box 4 Address PO Box 4
Glenville, WV 26351 Glenville, WV 26351

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

PERMIT ISSUED ON August 6, 19 79 OIL & GAS INSPECTOR FOR THIS WORK:
(IF APPLICABLE: PLUGGING OF DRY HOLE ON CONTINUOUS PROGRESSION FROM DRILLING OR REWORKING. VERBAL PERMISSION OBTAINED _____)
Name Paul Goodnight
Address Smithville, WV
477-3660

GEOLOGICAL TARGET FORMATION: Devonian Shale Depth _____ feet
Depth of completed well, 4982 feet Rotary / Cable Tools _____
Water strata depth: Fresh, NA feet; salt, NA feet.
Coal seam depths: _____ Is coal being mined in the area? No
Work was commenced August 7, 19 79, and completed August 11, 19 79

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		
Conductor								Kinds
Fresh water								
Coal								Sizes
Intermediate	8 5/8	ERW	20#	x		455	455	130 sks.
Production	4 1/2	K-55	9.5	x				150 sks.
Tubing								Depths set
Liners								Perforations:
								Top Bottom

RECORDED
AUG 20 1979

OPEN FLOW DATA

OIL & GAS DIVISION
DEPT. OF MINES

Producing formation EIK Pay zone depth 4740-4841 feet

Gas: Initial open flow, Show Mcf/d Oil: Initial open flow, NA Bbl/d
Final open flow, 1,800 Mcf/d Final open flow, NA Bbl/d

Time of open flow between initial and final tests, 3 hours

Static rock pressure, 1620 psig (surface measurement) after 48 hours **12/01/2023**

[If applicable due to multiple completion--]

Second producing formation Benson Pay zone depth 4460.5 to 4463.5 feet

Gas: Initial open flow, show Mcf/d Oil: Initial open flow, NA Bbl/d
Final open flow, 1,800 Mcf/d Final open flow, NA Bbl/d

Time of open flow between initial and final tests, 3 hours

Static rock pressure, 1620 psig (surface measurement) after 48 hours shut in

Formations - Co mingled

[08-78]

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

August 15, 1979

Elk - Perforated 4740 to 4841 7 holes
20,000# 80/100 sand, 40,000# 20/40 Sand 500 gals acid
600 bbls. treated water

Benson - Perforated 4460.5 to 4463.5 8 holes
20,000# 80/100 sand 40,000# 20/40 sand 750 gals acid
600 bbls. treated 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
Sandy Shale			0	189	
Red Rock			189	261	
Shale			261	870	
Sand			870	940	
Shale & Red Rock			940	1147	
Sandy Shale			1147	1235	
Sand			1235	1274	
Shale			1274	1289	
Sand			1289	1482	
Shale			1482	1553	
Little Lime			1553	1580	
Shale			1580	1602	
Big Lime			1602	1718	
Injun			1718	1770	
Sandy Shale			1770	4963	
Total Depth				4963	Show of gas 4460

(Attach separate sheets to complete as necessary)

Waco Oil & Gas Company
Well Operator
By Jerry Mason
Its Agent

12/01/2023

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

AUG 13 1979
OIL & GAS DIVISION
DEPT. OF MINES

INSPECTOR'S WELL REPORT

Permit No. G11-3542

Oil or Gas Well _____
(KIND)

Company <u>Waco Oil & Gas Co.</u>	CASING AND TUBING	USED IN DRILLING	Left in well	PACKERS
	Address _____	Size		
Farm <u>Winter Carson</u>	16			Kind of Packer _____
Well No. <u>2-B</u>	13			
District <u>Glennville</u> County <u>Colmer</u>	10			Size of _____
Drilling commenced <u>8-7-79</u>	8 1/4 <u>8 5/8</u>		<u>443</u>	Depth set _____
Drilling completed _____ Total depth _____	6 3/4			
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 <u>8 5/8</u> SIZE <u>443</u> No. FT. _____ Date _____			
Fresh water _____ feet _____ feet	<u>Com to Surface 130 SRS</u>			
Salt water _____ feet _____ feet	NAME OF SERVICE COMPANY <u>Halliburton</u>			
	COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			
	_____ FEET _____ INCHES _____ FEET _____ INCHES			

Drillers' Names Hofield - (T.P.)
Cont - Fox Drilling Co. Rotary - Air
Remarks:

SURFACE Csg

8-8-79
DATE

B. R. Goodnight 505
DISTRICT WELL INSPECTOR
12/01/2023

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 WELL INSPECTOR
12/01/2023

STATE OF WEST VIRGINIA

DEPARTMENT OF MINES

OIL AND GAS WELLS DIVISION

INSPECTOR'S WELL REPORT

Permit No. 611-3542

Oil or Gas Well
KIND

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

Drillers' Names _____

RECEIVED

APR - 3 1980

Remarks:

Complaint - Beecher Reed -

Large Slip Above Beecher Reed House
Contacted I. L. Morris - Waco Oil & Gas -
Moving Back hoe on location today to work on the problem

OIL & GAS DIVISION
DEPT. OF MINES

B. B. Woodruff 505

3 - 31 - 80

DISTRICT WELL INSPECTOR

12/01/2023

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

12/01/2023

CEMENTING SERVICE REPORT



TREATMENT NUMBER: 1-12-0598 DATE: 8/11/79
 STAGE: DOWELL DISTRICT: Glenville WVa

DWL 496-K PRINTED IN U.S.A.

DOWELL DIVISION OF DOW CHEMICAL U.S.A.

WELL NAME AND NO.: Carson # 2B
 LOCATION-POOL-FIELD: Baldwin
 FORMATION: Burroughs
 COUNTY: Gilmer STATE: WVa
 NAME: Waco Oil & Gas Co Inc.
 ADDRESS: ZIP CODE:

RIG. NAME:
 WELL DATA:
 HOLE SIZE: 7 7/8 CASING OR LINER: 4 1/2
 DEPTH: 4964 SIZE-WEIGHT: 9 1/2 lb
 ROT CABLE TOP: 5r
 BHST: BOTTOM: 4875
 BHLT: GRADE & THREAD: 8RD
 BHCT: CAPACITY: 79 BBL

SPECIAL INSTRUCTIONS:
 Free Baffle 3 3/16 at 4534
 PRESSURE LIMIT: PSI BUMP PLUG TO: 1000 PSI MIN
 ROTATE RPM RECIPROCAT FT CENTRALIZERS NO

MUD: TYPE WT. VISC.
 SHOE FLOAT: TYPE: Float Shoe DEPTH: 4875
 STAGE TOOL: TYPE: Plug Latch Down DEPTH: 4875
 TBG D.P. HEAD & PLUGS: DOUBLE SINGLE
 NEW USED TOP: R W TO
 DEPTH: BOT: R W TO
 CAPACITY: OTHER TO

TIME	PRESSURE		VOLUME PUMPED	INJECT. RATE	SERVICE LOG DETAIL
	TBG. OR D.P.	CASING			
1500					Loc spot units & Hook up
1600			10 BBL		Start pumping water
			150 BBL		Water in start Gel
1640			10 BBL		Gel in start Spacer
1655			39 BBL		Spacer in start Cement
					Cement in shut Down & Close. Values, Wash Out Lines to Head, Spot Acid to Head, Drop Plug & start Displacement
1720	250		79 1/2 BBL		Displacement in (12 BBL Acid & 67 1/2 BBL Water) Plug Down Bump to 1,000 psi & Bleed Back & Check Float Holding OK
1725					Hook up to Annulus & put 12 BBL water down
1735					outside, Annulus Full Rig Down & Wash up

REMARKS:

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS	SLURRY MIXED VOL.	WT.
1.	150	1.28	Litepoz 40% Gel & 10% salt	34 BBL	14.4
2.					
3.					

BREAKDOWN FLUID WT. SACKS MIXED: 150 PUMPED: 150 PRESSURE MAX: 1000 MIN:
 HESITATION SO. RUNNING SO. CIRCULATION LOST: YES NO CEMENT CIRCULATED TO SURF: YES NO
 BREAKDOWN PSI FINAL PSI: Never circulated CEMENT LEFT IN PIPE: 0 FT.
 WASHED THRU: YES NO TO FT MEASURED: DISPLACEMENT WIRELINE AS PLANNED UNANNOUNCED
 TYPE OF WELL: OIL STORAGE BRINE/WATER GAS INJECTION WILDCAT
 CUSTOMER REPRESENTATIVE: DOES CUSTOMER CONSIDER SERVICE: SATISFACTORY UNSATISFACTORY UNKNOWN

12/01/2023

8-6-79



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

RECEIVED
DEPT. OF MINES
OIL AND GAS DIVISION

APR 22 1986

FINAL INSPECTION REPORT
INSPECTORS COMPLIANCE REPORT
March 28, 1984

COMPANY Waco Oil & Gas Co., Inc.
1297 N. Lewis Street
Glenville, West Virginia 26351

PERMIT NO 021-3542
FARM & WELL NO Carson 2B
DIST. & COUNTY Glenville/Gilmer

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 Strength	_____	_____
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 Graig Duckworth
DATE 4/18/86

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. r. B.B.
Administrator - Oil & Gas Division

April 25, 1986

DATE

RECEIVED
AUG 22 1979

1.0 API well number: (If not available, leave blank. 14 digits.)	47-021-3542												
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	103 Section of NGPA												
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4841 feet												
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Waco Oil & Gas Company 019942 Seller Code Name PO Box 4 Street Glenville, WV 26351 City State Zip Code												
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Ellis Field Name Gilmer 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.)	Carson 2B												
(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.)	Columbia Gas Transmission Corp. 004030 Buyer Code Name												
(b) Date of the contract:	_____ Mo. Day Yr.												
(c) Estimated annual production:	30 MMcf.												
7.0 Contract price: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;">(a) Base Price (\$/MMBTU)</th> <th style="width:25%;">(b) Tax</th> <th style="width:25%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width:25%;">(d) Total of (a), (b) and (c)</th> </tr> </thead> <tbody> <tr> <td style="text-align:center;">-----</td> <td style="text-align:center;">-----</td> <td style="text-align:center;">-----</td> <td style="text-align:center;">-----</td> </tr> <tr> <td style="text-align:center;">2.079</td> <td style="text-align:center;">.170</td> <td style="text-align:center;">.011</td> <td style="text-align:center;">2.260</td> </tr> </tbody> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	-----	-----	-----	-----	2.079	.170	.011	2.260
(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)										
-----	-----	-----	-----										
2.079	.170	.011	2.260										
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th style="width:25%;">(a) Base Price (\$/MMBTU)</th> <th style="width:25%;">(b) Tax</th> <th style="width:25%;">(c) All Other Prices [Indicate (+) or (-).]</th> <th style="width:25%;">(d) Total of (a), (b) and (c)</th> </tr> </thead> <tbody> <tr> <td style="text-align:center;">2.079</td> <td style="text-align:center;">.170</td> <td style="text-align:center;">.011</td> <td style="text-align:center;">2.260</td> </tr> </tbody> </table>	(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)	2.079	.170	.011	2.260				
(a) Base Price (\$/MMBTU)	(b) Tax	(c) All Other Prices [Indicate (+) or (-).]	(d) Total of (a), (b) and (c)										
2.079	.170	.011	2.260										
9.0 Person responsible for this application:	Jerry Masoner Agent Name Title _____ Signature 8-15-79 304-462-5347 Date Application is Completed Phone Number												

Agency Use Only
Date Received by Juris. Agency AUG 22 1979
Date Received by FERC

12/01/2023

PARTICIPANTS:

DATE:

FEB 04 1980

BUYER-SELLER CO

WELL OPERATOR: Waco Oil & Gas Company

019942

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: _____

Qualifies as Section 103, new mature production well
Future well

W. Va. Department of Mines, Oil & Gas Division

WELL DETERMINATION FILE NUMBER

790822-103-021-3542

Use Above File Number on all Communications
Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1 FERC-121 Items not completed - Line No. _____
- 2 IV-1 - Agent Jerry G. Masoner
- 3 IV-2 - Well Permit _____
- 4 IV-6 - Well Plat
- 5 IV-35- Well Record Drilling Deepening _____
- 6 IV-36- Gas-Oil Test: Gas Only _____ Was Oil Produced? _____ Ratio _____
- 7 IV-39- Annual Production _____ years
- 8 IV-40- 90 day Production _____ Days off Line: _____
- 9 IV-48- Application for Certification. Complete?
- 10 - 17 IV Form #51 - 52 - 53 - (54) - 55 - 56 - 57 - 58. Complete Affidavit Signed
- 18 - 28 Other: Survey _____ Logs _____ Geological Charts _____ Structure Map _____
1:4000 Map _____ Well Tabulations _____ Gas Analyses _____
- (5) Date connected: 8-7-79
Date Completed: 8-11-79 Deepened _____
- (5) Production Depth: 4740-4841; 4460.5-4463.5
- (5) Production Formation: E/K; Benson
- (5) Final OPEN FLOW:
Initial Potential: 1800 MCF
- (5) ~~After~~ R.P. FRAC: 1620-48 hrs.
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: NO Production
- (8) Avg. Daily Gas from 90-day ending w/1-120 days NO Production
- (8) Line Pressure: NONE PSIG from Daily Report _____
- (5) Oil Production: NO From Completion Report _____
- (10-17) Does lease inventory indicate enhanced recovery being done: NO 12/01/2023
- (10-17) Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? Yes
- Additional Information _____ Does computer program confirm? _____
- Was Determination Objected to? _____ By Whom? _____

SML

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

Date August 15, 19 79

Operator's Well No. Carson 2B

API Well No. 47 - 021 - 3542
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL
NGPA Section 107

WELL OPERATOR Waco Oil & Gas Co.
ADDRESS PO Box 4
Glenville, WV 26351
GAS PURCHASER Columbia Gas Trans. Corp.
ADDRESS PO Box 1273
Charleston, WV 26452

DESIGNATED AGENT Jerry Masoner
ADDRESS PO Box 4
Glenville, WV 26351
LOCATION: Elevation 1021
Watershed Stewart Creek
Dist Glenville County Gilmer Quad. Gilmer
Gas Purchase Contract No. NA
Meter Chart Code NA
Date of Contract NA

* * * * *

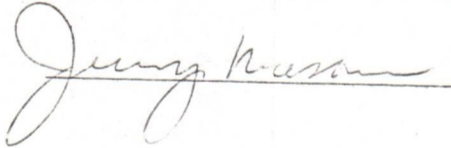
Date surface drilling began: August 7, 1979

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

1620 P.S.I. Caculated 48 hrs, test

AFFIDAVIT

I, Jerry Masoner, having been first sworn according to law, state that surface drilling of the well for which this determination is sought was begun after February 19, 1977, the well completion location is below a true vertical depth of 15,000 feet and I have no knowledge of any information not included in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.

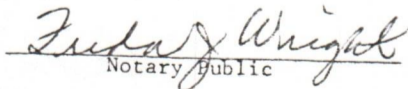


STATE OF WEST VIRGINIA,
COUNTY OF Gilmer, TO WIT:

I, Freda J. Wright, a Notary Public in and for the state and county aforesaid, do certify that Jerry Masoner, whose name is signed to the writing above, bearing date the 15th day of August, 19 79, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 15th day of August, 19 79
My term of office expires on the 5th day of June, 19 80.

[NOTARIAL SEAL]



RECEIVED

AUG 20 1979

1.0 API well number: (If not available, leave blank. 14 digits.)	47-021-3542			
2.0 Type of determination being sought: (Use the codes found on the front of this form.)	107 Section of NGPA		OIL & GAS DIVISION Category Code DEPT. OF MINES	
3.0 Depth of the deepest completion location: (Only needed if sections 103 or 107 in 2.0 above.)	4841 feet			
4.0 Name, address and code number of applicant: (35 letters per line maximum. If code number not available, leave blank.)	Waco Oil & Gas Company Name PO Box 4 Street Glenville City		WV	019942 Seller Code 26351 State Zip Code
5.0 Location of this well: [Complete (a) or (b).] (a) For onshore wells (35 letters maximum for field name.)	Ellis Field Name Gilmer County		WV	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.)	Carson 2B			
(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.)	Columbia Gas Transmission Corp. Name		004030 Buyer Code	
(b) Date of the contract:	N/A Mo. Day Yr.			
(c) Estimated annual production:	30 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.)				
8.0 Maximum lawful rate: (As of filing date. Complete to 3 decimal places.)	2.244	.190	.012	2.446
9.0 Person responsible for this application:	Jerry Masoner Name Agent Title Signature August 14, 1979 Date Application is Completed 304-462-5347 Phone Number			
Agency Use Only Date Received by Juris. Agency AUG 20 1979 Date Received by FERC				

12/01/2023

FEB 15 1980

PARTICIPANTS:

DATE:

BUYER-SELLER CO

WELL OPERATOR: Waco Oil & Gas Company

019942

FIRST PURCHASER: Columbia Gas Trans. Corp.

004030

OTHER: _____

Qualifies as Section 107, ~~steps~~ Decision State 44.

[Signature]

W. Va. Department of Mines, Oil & Gas Division
 WELL DETERMINATION FILE NUMBER
790820-107-021-3542
 Use Above File Number on all Communications
 Relating to Determination of this Well

CHECK EACH ITEM AS COMPLETE OR NOTE WHAT IS MISSING

ITEM NO.

- 1 FERC-121 Items not completed - Line No. _____
- 2 IV-1 - Agent Jerry G. Masonier
- 3 IV-2 - Well Permit _____
- 4 IV-6 - Well Plat
- 5 IV-35- Well Record _____ Drilling _____ Deepening _____
- 6 IV-36- Gas-Oil Test: Gas Only Was Oil Produced? _____ Ratio _____
- 7 IV-39- Annual Production _____ years
- 8 IV-40- 90 day Production _____ Days off Line: _____
- 9 IV-48- Application for Certification. Complete?
- 10 - 17 IV Form #51 - 52 - 53 - 54 - 55 - 56 - 57 - 58. Complete Affidavit
Signed
- 18 - 28 Other: Survey _____ Logs Geological Charts _____ Structure Map _____
 1:4000 Map _____ Well Tabulations _____ Gas Analyses _____
- (5) Date Commenced: _____
Date Completed: _____ Deepened _____
- (5) Production Depth: 4740-4841; 4460.5 - 4463.5
- (5) Production Formation: Elk; Benson
- (5) Final Open Flow: 1,800 MCF (for Elk & Benson)
- (5) R.P. after frac: 1620-48 hrs. (for both)
- (6) Other Gas Test: _____
- (7) Avg. Daily Gas from Annual Production: _____
- (8) Avg. Daily Gas from 90-day ending w/1-120 days _____
- (8) Line Pressure: _____ PSIG from Daily Repo _____
- (5) Oil Production: NO From Completion Report _____
- (10-17) Does lease inventory indicate enhanced recovery being done? NO 12/01/2023
- (10-17) Is affidavit signed? Notarized?
- Does official well record with the Department confirm the submitted information? Yes
- Additional Information _____ Does computer program confirm? _____
- Was Determination Objected to? _____ By Whom? _____

[Signature]

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

Date August 14, 19 79

Operator's Well No. Carson 2B

API Well No. 47 - 021 - 3542
State County Permit

WELL CLASSIFICATION FORM

HIGH COST GAS WELL
NGPA Section 107

DESIGNATED AGENT <u>Jerry Masoner</u>	WELL OPERATOR <u>Waco Oil & Gas Company</u>
ADDRESS <u>PO Box 4</u>	ADDRESS <u>PO Box 4</u>
<u>Glenville, WV 26351</u>	<u>Glenville, WV 26351</u>
LOCATION: Elevation <u>1021</u>	GAS PURCHASER <u>Columbia Gas Trans. Corp.</u>
Watershed <u>Stewart Creek</u>	ADDRESS <u>PO Box 1273</u>
Dist. <u>Glenville</u> County <u>Gilmer</u> Quad. <u>Gilmer</u>	<u>Charleston, WV 26452</u>
Gas Purchase Contract No. <u>NA</u>	
Meter Chart Code <u>NA</u>	
Date of Contract <u>NA</u>	

* * * * *

Date surface drilling began: 7-23-79

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

1620 P.S.I. Caculated

AFFIDAVIT

I, Jerry Masoner, having been first sworn according to law, state that, surface drilling of the well for which this determination is sought was begun after February 19, 1977, the well completion location is ~~XX~~ and I have no knowledge of any information not included in the application which is inconsistent with a conclusion that the well qualifies as a high cost natural gas well.

Devonian Shale

STATE OF WEST VIRGINIA,
COUNTY OF Gilmer, TO WIT:

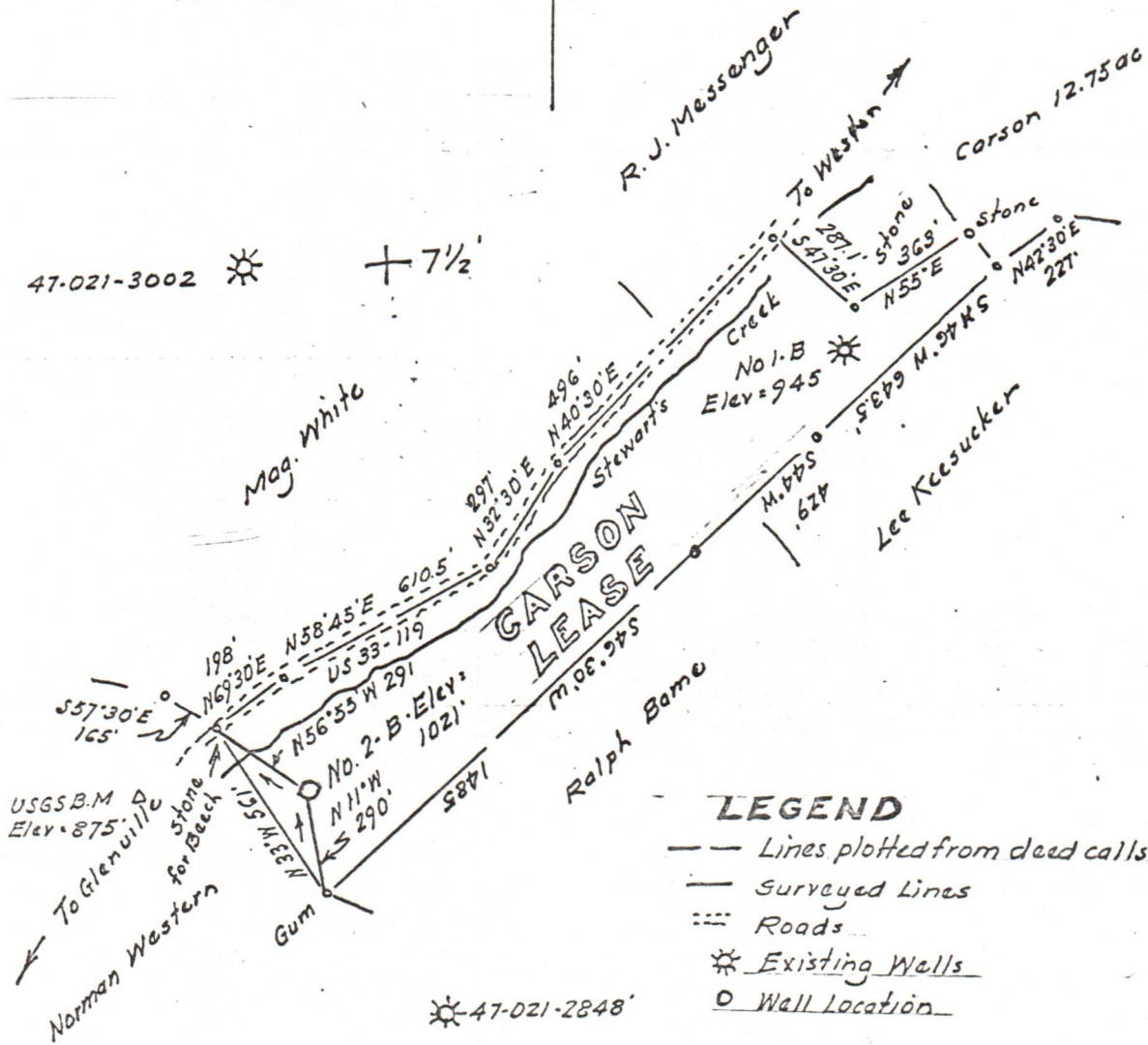
I, Freda J. Wright, a Notary Public in and for the state and county aforesaid, do certify that Jerry Masoner, whose name is signed to the writing above, bearing date the 14th day of August, 19 79, has acknowledged the same before me, in my county aforesaid.

Given under my hand and official seal this 14th day of August, 19 79
My term of office expires on the 5th day of June, 19 80

[NOTARIAL SEAL]

OWNERSHIP

No coal mined in this section
 Surface, coal (if any) and oil
 and gas is owned by Mr Minter
 Carson, whose post office address
 is Baldwin, W. Va.



LEGEND

- Lines plotted from deed calls
- Surveyed Lines
- Roads
- ☼ Existing Wells
- Well Location

Minimum Error of Closure 1 in 200

Source of Elevation Elev. Well No 1-B = 945'

I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the oil and gas section of the mining laws of West Virginia.

Signed: W. S. Street
 Squares: N S E W

Fracture.....
 New Location.....
 Drill Deeper.....
 Abandonment.....

Map No. _____

Company Waco Oil & Gas Co., Inc
 Address P.O. Box 4, Glenville, W. Va.
 Farm Carson Lease
 Tract _____ Acres 32.85 Lease No. _____
 Well (Farm) No. 2-B Serial No. _____
 Elevation (Spirit Level) 1021
 Quadrangle Gilmer 7 1/2
 County Gilmer District Glenville
 Engineer W. S. Street
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date Aug. 4, 1919 Scale 1" = 500'

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

WELL LOCATION MAP

FILE NO. 021-352 12/01/2023

+ Denotes location of well on United States Topographic Maps, scale 1 to _____, latitude and longitude lines being represented by border lines as shown.

— Denotes one inch spaces on border line of original tracing.