IV-9
(Rev 8-81)

DATE 5-10-82
WELL NO. BUTLER #2
API NO. 47 - 013 - 0125

State of West Virginia
Department of Mines
Oil and Gas Division

CONSTRUCTION AND RECLAMATION PLAN

COMPANY NAME E.M. & W.E SMITH
Address P.O. BOX 405
GRANTSVILLE, W.VA. 26147
Telephone 354-6551

DESIGNATED AGENT WALTER SMITH
Address SAME
Telephone SAME

LANDOWNER PERRY BUTLER

SOIL CONS. DISTRICT LITTLE KANAWA

Revegetation to be carried out by WALTER SMITH (Agent)

This plan has been reviewed by _____ SCD. All corrections and additions become a part of this plan: _____
(Date)

_____
(SCD Agent)

ACCESS ROAD

Structure _____ (A)
Spacing _____
Page Ref. Manual _____

Structure _____ (B)
Spacing _____
Page Ref. Manual _____

Structure _____ (C)
Spacing _____
Page Ref. Manual _____

LOCATION

Structure DIVERSION DITCH (1)
Material EARTHEN
Page Ref. Manual 1: 9 & 10

Structure RIPRAP (2)
Material ROCK
Page Ref. Manual N/A

Structure _____ (3)
Material _____
Page Ref. Manual _____

RECEIVED
MAY 13 19
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

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

Treatment Area II

Lime _____ Tons/acre
or correct to pH 6.5
Fertilizer 400-600 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

12/01/2023

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

PLAN PREPARED BY WALLACE J. BOARD LLS.
ADDRESS 332 MAIN ST.
SPENCER W.V. 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.

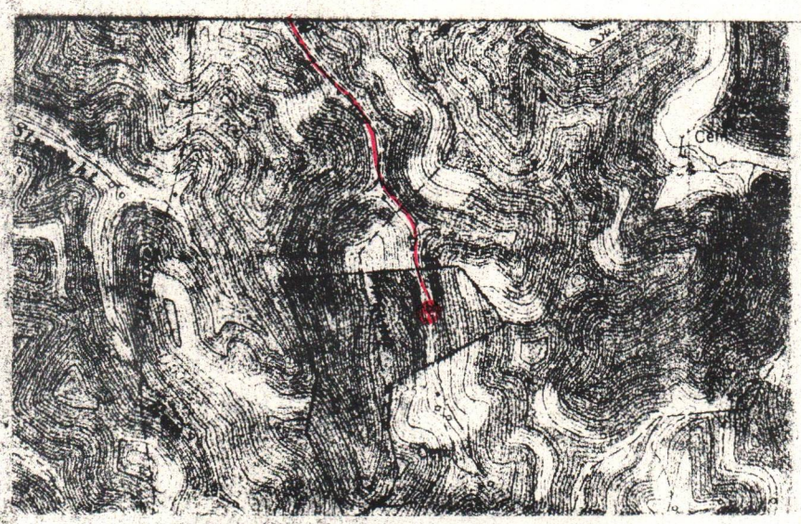
IV-9 REVERSE
(REV 8-81)

ATTACH OR PHOTOCOPY SECTION OF
INVOLVED TOPOGRAPHIC MAP.
QUADRANGLE CHLOE

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

Road

Existing fence

Planned fence

Stream

Open ditch

Diversion

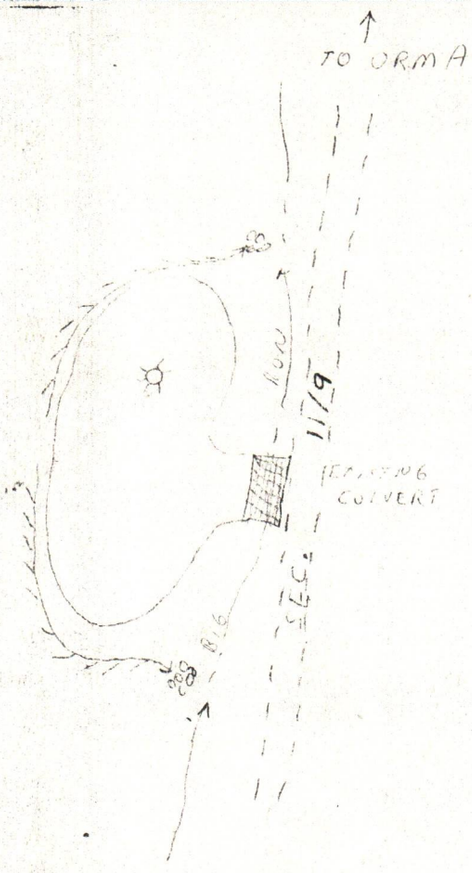
Spring

Wet spot

Building

Drain pipe

Waterway



12/01/2023

FORM IV-2
(Reverse)

(Revised 3-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Morris Oil & Gas Co.,Inc.

Address Grantsville, W.Va. 26147

GEOLOGICAL TARGET FORMATION Big Injun (1965')
Estimated depth of completed well 1965' feet. Rotary ___ / Cable tools x /
Approximate water strata depths: Fresh, --100 feet; salt, -0- feet.
Approximate coal seam depths: None
Is coal being mined in this area: Yes ___ / No x /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS Size	Grade	Weight per ft	New	Used	FOOTAGE INTERVALS For Drilling	Left in Well	CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermed.	6 5/8"						1815	old Casing	
Production	4½"	HW	10.50	X	1965'		1965	~~sacks~~ CTS	Depths set
Tubing									
Liners									Perforations: Top Bottom

Must RUN ~~top~~ tubing on a packer in 4½" pipe because NO fresh water casing cemented to surface

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.
A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22, ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY APPROVED FOR fracturing. THIS PERMIT SHALL EXPIRE IF OPERATIONS HAVE NOT COMMENCED BY 1-27-83.
BY _____

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

WAIVER

The undersigned coal operator ___ / owner ___ / lessee ___ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: _____, 19___.

By: _____

Its: _____

12/01/2023

FORM IV-2
(Obverse)

(Revised 3-81)

Well No. 1 ®
Farm Arminta Eisman
API #47 -013-0125 - Frac
Date 5/05/82

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas x / Fracture

(If "Gas", Production x / Underground storage ___ / Deep ___ / Shallow ___ /

12/01/2023

ORIGINAL

DOWELL

DIVISION OF DOW CHEMICAL U.S.A.
AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

OILFIELD SERVICES
MINING SERVICES
INDUSTRIAL SERVICES

DOWELL SERVICE ORDER, RECEIPT, AND INVOICE NO.: 01-12-8951

CORRESPONDENCE: P.O. BOX 4378, HOUSTON, TEXAS 77210

REMITTANCE: P.O. BOX 100344, HOUSTON, TEXAS 77212

DOWELL SERVICE LOCATION NAME AND NUMBER: GLENVILLE #12

CUSTOMER NUMBER: 129414

CUSTOMER P.O. NUMBER: verbal

TYPE SERVICE CODE: 285

BUSINESS CODES

WORKOVER ☑ W
NEW WELL ☐ N
OTHER ☐

API OR IC NUMBER

CUSTOMER'S NAME: E. M. & W. E. Smith

ADDRESS: Grantsville, WV 26147

CITY, STATE AND ZIP CODE

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE LOCATION	MO	DAY	YR	TIME
	5	10	82	1330

SERVICE ORDER I authorize work to begin per service instructions in accordance with terms and conditions printed on the reverse side of this form and represent that I have authority to accept and sign this order.

CUSTOMER AUTHORIZED AGENT: [signature]

JOB COMPLETION	MO	DAY	YR	TIME
	5	10	82	152

SERVICE RECEIPT I certify that the materials and services listed were received and all services performed in a workmanlike manner.

CUSTOMER AUTHORIZED AGENT: [signature]

DOWELL shall furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DOWELL INDUSTRIAL SERVICE CONTRACT NO. _____:

Cement 4½ csg. useing services listed

STATE	CODE	COUNTY / PARISH	CODE	CITY
WV	47	Calhoun	013	Orma

WELL NAME AND NUMBER / JOB SITE: Arminta Eisman #2

LOCATION AND POOL / PLANT ADDRESS: Big Run

SHIPPED VIA: Dowell Units

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	$ AMOUNT
59200-001	Mileage Charge	mi.	36	2.40	86.40
48002-006	S.P. cementer	Ea.	1	1065.00	1065.00
40001-000	Neat Class A Cement	SK	100	5.60	560.00
49100-000	Service Charge	cu/ft	100	.91	91.00
49102-001	Ton Delivery Charge	Tm	169	.82	138.58
56700-044	Cement Ring	Ea.	1	25.00	25.00
				SUB TOTAL	1965.98
	LICENSE/REIMBURSEMENT FEE				
	LICENSE/REIMBURSEMENT FEE				

SERVICE RECEIPT

Thank you

REMARKS

ME--C 676.00

STATE	ME--C	% TAX ON $	900.98
COUNTY	SE--C	% TAX ON $	1065.00
CITY		% TAX ON $	
DOWELL REPRESENTATIVE	Allen	TOTAL	$ 1965.98

12/01/2023

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

May 27, 1982 OG-F-210

Mr. Walter E. Smith
P. O. Box 405
Grantsville, West Virginia 26147

Re: 47-013-0125

Dear Mr. Smith:

As you may notice I have changed your casing program to satisfy state requirements. Since the well record has no indication of a fresh water string as required in Regulation 15.03 you will have to cement the 4½" back ~~to surface~~. You ~~will also be required to run tubing on a packer to isolate the production from that casing.~~

If you have any questions please feel free to call.

Sincerely,

to salt-sand

Ted Streit
Office of Oil and Gas

TS/fjf
ccs: File (2)

12/01/2023

RM W-3-2M-12-5-44

Copy of Original Log

GODFREY L. CABOT, INC.

WELL RECORD

CAL0125

SERIAL NO. 805 OPERATING DISTRICT Map Square / Lot No. / Warrant No. 50-57

FARM Arminta Eismon NO. 2 LEASE NO.

COUNTY Calhoun TAX DISTRICT TOWNSHIP Washington STATE W. Va.

DRILLING COMMENCED December 3, 1932 DRILLING COMPLETED January 9, 1933

CONTRACTOR ADDRESS

ROCK PRESSURE RECORD

Sand lbs., in hrs.

Sand lbs., in hrs.

Sand lbs., in hrs.

PRODUCING SAND RECORD

Sand, from to Init. Prod. M. C. F. Gas

Sand, from to Init. Prod. M. C. F. Gas

Sand, from to Init. Prod. M. C. F. Gas

OPEN FLOW
Time, Condition:
10ths Water / Mercury in inch opening

Volume M. C. F.

24 HOUR PRODUCTION TEST AFTER TUBING

M. C. F. Line Pressure

Bbls. Oil in 24 Hours

TUBED AND SHUT IN Date Jan. 22, 1933

Packer, Size 6-5/8 x 2 Kind Wall
Amount Anchor 187' 4"
Set, Depth Size Anchor
Amt. above anchor 1717' 8"
Perf. Top Bottom

Perf. Top Bottom

ELEVATION:

CASING RECORD

SIZE	WEIGHT	USED IN DRILLING	LEFT IN WELL	HOW CASING SET
6-5/8		1815'	1815'	Test 16 Hrs. After Shot
2"		1905'	1905'	80 of Water in 2 inch
Test	Before	Shot		Volume 431,040 Cu. Ft.
45 of Water in 2"				Jan. 1934 Rock Pressure 500 Lbs. 25 Hrs.
Volume 319,680 Cu. Ft.				Date Shot Jan. 10, 1933
				Size of Torpedo 20 Qts.

SHOOTING RECORD

F.W.

Acid Shot with from to Date

Gauge Before { Acid / Shot Gauge Min. Hrs. After { Acid / Shot

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	REMARKS
Surface		0	21					
Lime		21	145			Water	58	Fresh
Slate & Shells		145	245					
Red Rock		245	305					
Lime Shells		305	380					
Sand		380	425					
Red Rock Shells		425	660					
Little Dunkard		660	710					
Slate		710	762					
Big Dunkard		762	912					
Slate	Black	912	920					
Gas Sand		920	960					
Slate & Shells		960	1050					
Salt Sand		1050	1100					
Slate	Black	1100	1200					
Slate & Shells		1200	1415					
Sand		1415	1440					
Shells		1440	1565					
Maxon		1565	1680			Water	1675	
Slate		1680	1704					
Little Lime		1704	1745					No Pencil Cave
Sand		1745	1765					
Big Lime		1765	1845					
Keener		1845	1865			Gas	1849 to 1861	45/10 W 2"
Big Injun		1865	1915					Hole filled to 1890
Total Depth		1965						

Minute Pressure May 30, 1934

L.P.	1	2	3	4	5	10
68	92	121	150	173	200	283

SERIAL NO. FARM NO. OPERATING DIST. TOWNSHIP MAP SQUARE LOT NO. WARRANT NO.

Form OG-10

RECEIVED
JUL 12 1984
OIL & GAS DIVISION
DEPT. OF MINES

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Rotary ☐
Spudder ☒
Cable Tools ☐
Storage ☐

Quadrangle Otter

Permit No. 47-013—;25

WELL RECORD

Oil or Gas Well (KIND)

Company E.M. & W.E. Smith
Address P.O. Box 244
Grantsville, WV 26147
Farm ~~A. Eisman #2~~ Acres 87
Location (waters) ~~Big Run~~
Well No. 2 Elev. 914'
District Wash. County Calhoun
The surface of tract is owned in fee by ~~Perry Butler~~
Address Orma, WV
Mineral rights are owned by ~~William Hamilton et al~~
Address Charleston, WV
Drilling commenced
Drilling completed
Date Shot From To
With
Open Flow /10ths Water in Inch
/10ths Merc. in Inch
Volume Cu. Ft.
Rock Pressure lbs. hrs.
Oil bbls., 1st 24 hrs.
WELL ACIDIZED 1849-1855 12/2/83
500 Gal H15 HCL 15% Acid
WELL FRACTURED 5/18/82 25,000# Sand - 400 Bbl. Water - 1000 Gal. acid

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer
13			
10			Size of
8¼			
6⅝			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED 4½" SIZE 400' No. Ft. 5/10/82 Date

COAL WAS ENCOUNTERED AT None FEET INCHES
FEET INCHES FEET INCHES
FEET INCHES FEET INCHES

RESULT AFTER TREATMENT ~~8 Mcf Gas Daily - No Oil~~ 7/6/84
ROCK PRESSURE AFTER TREATMENT ~~180# 24-Hrs.~~
Fresh Water ~~None~~ Feet Salt Water ~~None~~ Feet

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks

No changes made in the original record, except as follows:

Ran 1965' 4½" 10.50# Casing and cemented in hole with 100 Sacks Neat Class A Cement.
Perforations- 1906-1915 10 Holes Big Injun
1849-1855 10 Holes -Keener
1815' 6-5/8" casing left in hole (Originally run and left in hole)

7/9/84
EM & W E Smith
Walter E Smith, Neg. Agent

12/01/2023

(over)

FORM IV-36

[08-78]

RECEIVED

JUL 12 1984

OIL & GAS DIVISION
DEPT. OF MINES

Date: 7/9/84, 19

Operator's/ #2
Well No. 47=013-0125

API Well No. /47 - - -
State County Permit

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

WELL OPERATOR'S REPORT
OF
INITIAL GAS-OIL RATIO TEST

WELL OPERATOR ~~E.M. & W.E. Smith~~

Address P.O. Box 244
Grantsville, WV 26147

DESIGNATED AGENT Walter E. Smith

Address P.O. Box 244
Grantsville, WV 26147

GEOLOGICAL TARGET FORMATION: ~~Big Injun~~

Depth 1965' feet

Perforation Interval _____ feet

GUIDELINES FOR TESTING:

1- *A minimum of gas vented or flared*
2- *A 24 hour preflow into pipelines or tanks*
3- *Uniform producing rate during the 24 hour test per test period*
4- *Measurement standards as for Form IV-39, "Report of Annual Production" (see Regulation 21.01)*
5- *Separate Form IV-36 for each producing formation in a multiple completion*

TEST DATA

START OF TEST-DATE	TIME	END OF TEST-DATE	TIME	DURATION OF TEST
7/5/84	9 A.M.	7/6/84	9 AM	24 Hrs.

TUBING PRESSURE	CASING PRESSURE	SEPARATOR PRESSURE	SEPARATOR TEMPERATURE

OIL PRODUCTION DURING TEST	GAS PRODUCTION DURING TEST	WATER PRODUCTION DURING TEST & SALINITY
bbls.	Mcf	bbls. ppm.

OIL GRAVITY	PRODUCING METHOD (Flowing, pumping, gas lift, etc.)
°API	

GAS PRODUCTION

MEASUREMENT METHOD			POSITIVE CHOKE ☐
FLANGE TAP ☐	PIPE TAP ☐	L-10 ☐	CRITICAL FLOW PROVER ☐

ORIFICE DIAMETER	PIPE DIAMETER (INSIDE DIAM.)	NOMINAL CHOKE SIZE - IN.
DIFFERENTIAL PRESSURE RANGE	MAX. STATIC PRESSURE RANGE	PROVER & ORIFICE DIAM. - IN.
DIFFERENTIAL	STATIC	GAS GRAVITY (Air-1.0) MEASURED ____ ESTIMATED ____
GAS GRAVITY (Air-1.0)	FLOWING TEMPERATURE	GAS TEMPERATURE ____ °F
24 HOUR COEFFICIENT		24 HOUR COEFFICIENT
		PRESSURE - psia

TEST RESULTS

DAILY OIL	DAILY WATER	DAILY GAS	GAS-OIL RATIO
None bbls.	bbls.	Mcf.	SCF/STB

Test made by Direct Meter (#3 Emco)

Reading 7/6/84 6973
Reading 7/6/84 6981 = 8 Mcf

E.M. & W.E. Smith
Well Operator

By: Walter E. Smith

Its: Designated Agent

12/01/2023

RECEIVED
NOV 2 - 1983
OIL & GAS DIVISION
DEPT. OF MINES

FRACTURE RECORD

Well Name and No: 1

District: Washington County: Calhoun

Permit No: 013-0125-FRAC Completion Date: _____

Formation Fractured: Material:

Top _____

Bottom _____

Rock Pressure: Test after Fracture:

Before Fracture _____ Oil _____

After Fracture _____ Gas _____

_____
Signature

_____
Date

COMPANY E. M. & W. E. Smith
P. O. Box 405
Grantsville, WV 26147

Please complete the above and return to us so we can complete our files

West Virginia Dept. of Mines
Oil and Gas Division
1615 Washington, Street, East
Charleston, WV 25311

Well has not been completed (10/31/83).
Fractured Well on 5/18/82.
After swabbing and bailing well, along with cleaning out sand for 16 days it was decided to put the well to pumping. Pumping the water out in place of swabbing and bailing.
The water has now exhausted. The tubing, rods and pump is going to be pulled out, the well cleaned out and completed.
Maching to be moved on location the first week of November.
As soon as well is cleaned out a completion report will be made and mailed to you.

Walter E. Smith

12/01/2023

12/01/2023

FRACTURE RECORD

Well Name and No: 1

District: Washington

County: Calhoun

Permit No: 013-0125-FRAC

Completion Date: 7/6/84

Formation Fractured:

Top 1906

Bottom 1915

Material:

25,000# Sand

400 Bbl. Water

~~1000 Gal. 15% HCL Acid~~

Rock Pressure:

Before Fracture 180#

After Fracture 180#

Test after Fracture:

Oil None

Gas

Walter Smith, Drlg. agent
Signature

7/9/84
Date

COMPANY E. M. & W. E. Smith

P. O. Box 405

Grantsville, WV 26147

Please complete the above and return to us so we can complete our files

West Virginia Dept. of Mines
Oil and Gas Division
1615 Washington, Street, East
Charleston, WV 25311

12/01/2023

12/01/2023

OG-11

STATE OF WEST VIRGINIA

DEPARTMENT OF ~~MINES~~ ENERGY

OIL AND GAS WELLS DIVISION

RECEIVED

APR 23 1986

INSPECTOR'S WELL REPORT

Permit No. 13-125-F

bt Permit ?
Fracture 5-27-82

Oil or Gas Well (KIND)

Company Walter Smith

Address

Farm Eisman - Hamilton

Well No. 1

District Wash. County Cal.

Drilling commenced

Drilling completed Total depth

Date shot Depth of shot

Initial open flow /10ths Water in Inch

Open flow after tubing /10ths Merc. in Inch

Volume Cu. Ft.

Rock pressure lbs. hrs.

Oil bbls., 1st 24 hrs.

Fresh water feet feet

Salt water feet feet

CASING AND TUBING	USED IN DRILLING	LEFT IN WELL	PACKERS
Size			
16			Kind of Packer
13			
10			Size of
8¼			
6⅝			Depth set
5 3/16			
3			Perf. top
2			Perf. bottom
Liners Used			Perf. top
			Perf. bottom

CASING CEMENTED SIZE No. FT. Date

NAME OF SERVICE COMPANY

COAL WAS ENCOUNTERED AT FEET INCHES

FEET INCHES FEET INCHES

FEET INCHES FEET INCHES

Drillers' Names

Remarks:

Release Reclamation

4-19-86
DATE

Wes Mace
DISTRICT WELL INSPECTOR

12/01/2023

Form 26
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:

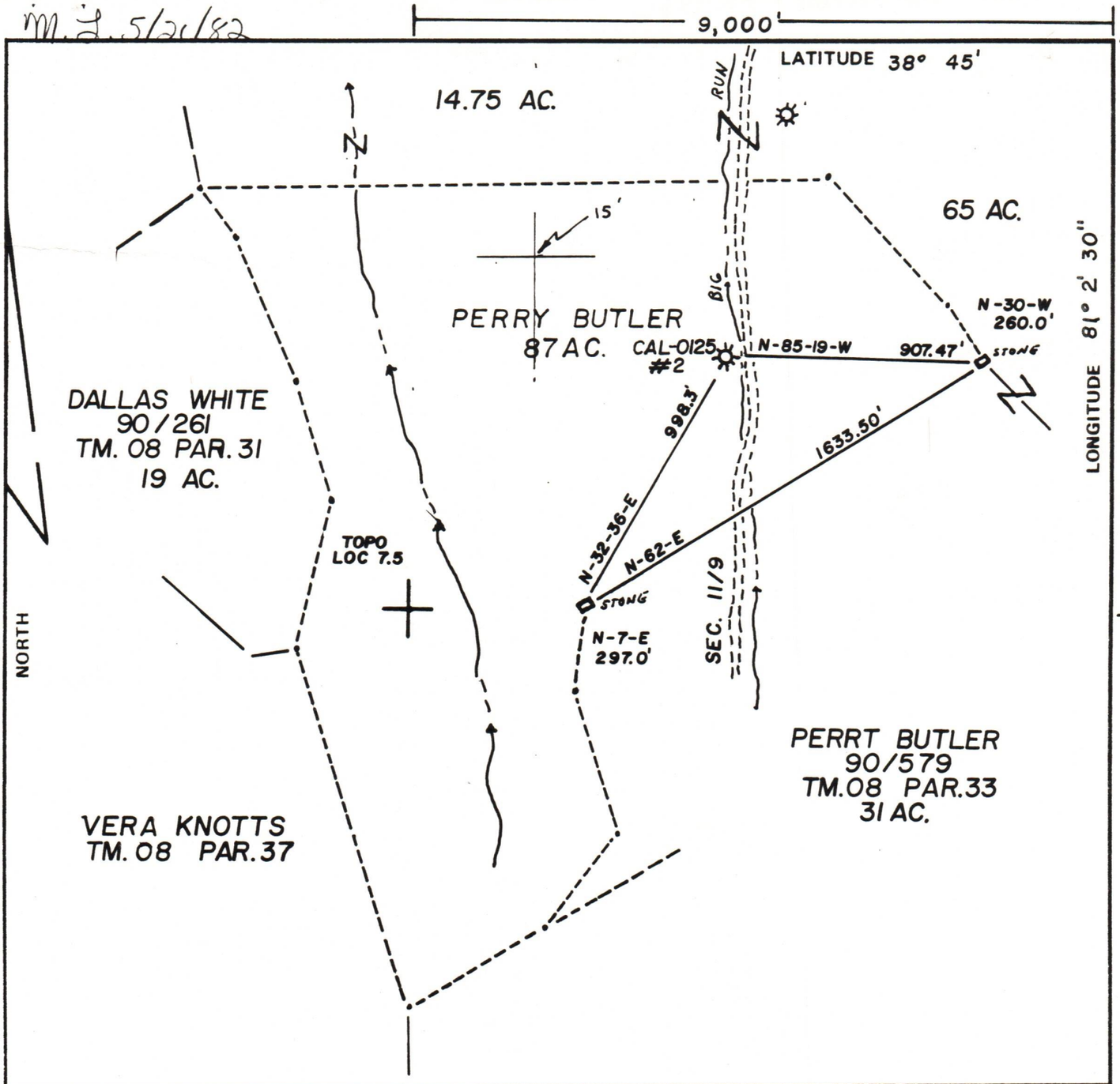
_____ DATE

I hereby certify I visited the above well on this date.

_____ DISTRICT WELL INSPECTOR

12/01/2023

M. J. 5/21/82



FILE NO. _____
DRAWING NO. _____
SCALE 1" = 500'
MINIMUM DEGREE OF ACCURACY 1 IN 200
PROVEN SOURCE OF ELEVATION B.M. 767 AT ORMA

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) [signature]
R.P.E. _____ L.L.S. 526

PLACE SEAL HERE

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

FORM IV-6
(8-78)

DATE MAY 10, 19 82
OPERATOR'S WELL NO. BUTLER #2
API WELL NO.
47 - 013 - 0125-Frac
STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___
(IF "GAS,") PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
LOCATION: ELEVATION 914 WATER SHED BIG RUN OF LEFT FORK
DISTRICT WASHINGTON COUNTY CALHOUN
QUADRANGLE CHLOE 7.5
SURFACE OWNER PERRY BUTLER ACREAGE 87
OIL & GAS ROYALTY OWNER WILLIAM HAMILTON LEASE ACREAGE 87 12/01/2023
LEASE NO. _____
PROPOSED WORK: DRILL ___ CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X 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 1965
WELL OPERATOR E.M. & W.E. SMITH DESIGNATED AGENT WALTER SMITH
ADDRESS P.O. BOX 404 ADDRESS SAME
GRANTSVILLE, W.V. 25270 SAME

12/01/2023

DOWELL

DOWELL DIVISION OF DOW CHEMICAL U. S. A.

AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

REMITTANCE

INVOICE

REMIT TO: DOWELL DIVISION
DOW CHEMICAL USA
P O BOX 360182
PITT. PA 15230

INVOICE DATE	PAGE	INVOICE NUMBER
05/18/82	1	01-12-9023

129414
E M & W E SMITH

GRANTSVILLE WV 26147

TYPE SERVICE: FRACTURING

JOB SITE	STATE	COUNTY/CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
ARMINTA CISMAN #2	WV	CALHOUN	GLENVILLE WV	DOWELL	VERBAL

JOB LOCATION	DATE OF SERVICE ORDER	AUTHORIZED BY
ORMA	05/18/82	WALTER SMITH

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION	UNIT PRICE	AMOUNT
059200001	72	MI	MILEAGE, EACH SERVICE TRUCK	2.40	172.80
024094050	300	LBS	J266, COLD WATER GELLING AGT	4.70	1,410.00
025037000	250	CWT	S79, SAND, 20-50 MESH	6.60	1,650.00
062016055	6	GAL	U42, VERSENE CHELATING AGENT	10.90	65.40
028019018	1	MIN	FRAC PUMP MINIMUM CHG 908 TU	2,970.00	2,970.00
028400001	1	4HR	BLENDER, 11-20 BPM, 1ST 4HRS	790.00	790.00
029100000	450	MI	TRANSPORTATION FRAC MATERIAL	.74	333.00
029110001	250	CWT	PROP AGT PUMP CHG 20-40 SAND	.27	67.50
058042000	1	HR	TRANSPORT, BODY LOAD WHEN DE	31.25	31.25
010013001	1000	GAL	H15, HCL ACID 15%	.55	550.00
011028053	2	GAL	A200.2, CORROSION INHIBITOR	28.25	56.50
013050055	10	GAL	F78, EZEFLO SURFACTANT	26.00	260.00
			SUB TOTAL --		8,356.45
			TAX EXEMPT	3,827.50	0.00
SE S			TAX EXEMPT	3,991.90	0.00
ME S					

#5100
6/3/82

TERMS NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE

WITH QUESTIONS ABOUT YOUR ACCOUNT CALL 713-978-3365
OR 713-978-3251

PAY THIS AMOUNT 8,356.45

12/01/2023

6091

DOWELL

DOWELL DIVISION OF DOW CHEMICAL U. S. A.

AN OPERATING UNIT OF THE DOW CHEMICAL COMPANY

COPY

INVOICE

REMIT TO: DOWELL DIVISION
DOW CHEMICAL USA
P O BOX 360182
PITT. PA 15230

INVOICE DATE
12/02/83

129414
E M & W E SMITH

GRANTSVILLE WV 26147

PAGE	INVOICE NUMBER
1	01-12-2338

TYPE SERVICE
ACIDIZING

JOB SITE	STATE	COUNTY/CITY	SERVICE FROM LOCATION	SHIPPED VIA	CUSTOMER P.O. NO./REF.
W. FLEMAN #2	WV	CALHOUN	GLENVILLE WV	DOWELL	VIRBAL

JOB LOCATION	DATE OF SERVICE ORDER	AUTHORIZED BY
LOWER BIG RUN	12/02/83	

ITEM NUMBER	QUANTITY	U/M	DESCRIPTION	UNIT PRICE	AMOUNT
059200004	70	MI	MILEAGE, EACH FLAT BED TRUCK	1.56	109.20
013017000	1	GAL	W22, NON-EMULSIFYING AGENT	26.75	26.75
013050055	1	GAL	F78, EZFLO SURFACTANT	26.00	26.00
010013001	500	GAL	H1, HCL ACID 15%	.55	275.00
011028053	1	GAL	A200.2, CORROSION INHIBITOR	22.25	22.25
012031055	1	GAL	L53W, CLAY CONTROL AGENT	25.75	25.75
			SUB TOTAL --		484.95
ME 8			TAX EXEMPT	375.75	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, CUSTOMER FINANCIAL SERVICES,
P O BOX 4378, HOUSTON, TEXAS 77210

PAY THIS AMOUNT 484.95

12/01/2023

DWL 6091

12/01/2023

FORM IV-2
(Reverse)

(Revised 3-81)

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) Morris Oil & Gas Co.,Inc.

Address Grantsville, W.Va. 26147

GEOLOGICAL TARGET FORMATION Big Injun (1965')
Estimated depth of completed well 1965' feet. Rotary ___ / Cable tools x /
Approximate water strata depths: Fresh, -- 100 feet; salt, -0- feet.
Approximate coal seam depths: None
Is coal being mined in this area: Yes ___ / No x /

CASING AND TUBING PROGRAM

CASING OR TUBING TYPE	SPECIFICATIONS Size	Grade	Weight per ft	New	Used	FOOTAGE INTERVALS For Drilling	Left in Well	CEMENT FILL-UP OR SACKS Cubic ft.	PACKERS
Conductor									Kinds
Fresh water									
Coal									Sizes
Intermed.	6 5/8"						1815	old Casing	
Production	4 1/2"	HM	10.50	X	1965'		1965	~~[illegible]~~ sacks CTS	Depths set
Tubing									
Liners									Perforations:
									Top Bottom

Must run ~~top~~ tubing on a packer in 4 1/2" pipe because no fresh water casing dedicated to surface

NOTE: Regulation 7.02 of the Department of Mines provides that the original and four copies of Form IV-2 must be filed with the Department, accompanied by (i) a plat in the form prescribed by Regulation 11, (ii) a bond in one of the forms prescribed by Regulation 12, or in lieu thereof the other security allowed by Code §22-4-2, (iii) Form IV-9, "Reclamation Plan" applicable to the reclamation required by Code §22-4-12b and Regulation 23, (iv) unless previously paid on the same well, the fee required by Code §22-4-12a, and (v) if applicable, the consent required by Code §22-4-8a from the owner of any water well or dwelling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing or stimulating is to be part of the work for which a permit is sought and is noted as such on the Form IV-2 filed in connection therewith.

THIS PERMIT MUST BE POSTED AT THE WELL SITE.
ALL PROVISIONS BEING IN ACCORDANCE WITH CHAPTER 22, ARTICLE 4 OF THE W. VA. CODE, THE LOCATION IS HEREBY APPROVED FOR fracturing. THIS PERMIT SHALL EXPIRE IF OPERATIONS HAVE NOT COMMENCED BY 1-27-83.
BY _____

The following waiver must be completed by the coal operator and by any coal owner or coal lessee who has recorded a declaration under Code §22-4-20, if the permit is to be issued within fifteen (15) days of receipt thereof:

WAIVER

The undersigned coal operator ___ / owner ___ / lessee ___ / of the coal under this well location has examined this proposed well location. If a mine map exists which covers the area of the well location, the well location has been added to the mine map. The undersigned has no objection to the work proposed to be done at this location, provided the well operator has complied with all applicable requirements of the West Virginia Code and the governing regularions.

Date: _____, 19___.

By: _____

Its: _____

FORM IV-2
(Obverse)

(Revised 3-81)

Well No. 1 ®
Farm Arminta Eisman
API #47 - 013-0125 - Frac
Date 5/05/82

STATE OF WEST VIRGINIA
OFFICE OF OIL AND GAS - DEPARTMENT OF MINES

OIL AND GAS WELL PERMIT APPLICATION

WELL TYPE: Oil ___ / Gas x / Fracture

(If "Gas", Production x / Underground storage ___ / Deep ___ / Shallow ___ /

LOCATION: Elevation: 914' Watershed: Big Run of the West Fork
District: Washington County: Calhoun Quadrangle: Otter

WELL OPERATOR E.M. & W.E. Smith
Address P.O. Box 405
Grantsville, W.Va 26147

DESIGNATED AGENT Walter E. Smith
Address P.O. Box 405
Grantsville, W.Va. 26147

OIL AND GAS ROYALTY OWNER William Hamilton et al
Address
Charleston, WV.
Acreage 87

COAL OPERATOR No Coal
Address

SURFACE OWNER Perry Butler
Address Orma, WV
Acreage 87

COAL OWNER(S) WITH DECLARATION ON RECORD:
NAME
Address
NAME
Address

FIELD SALE (IF MADE) TO:
NAME
Address

COAL LESSEE WITH DECLARATION ON RECORD:
NAME
Address

OIL AND GAS INSPECTOR TO BE NOTIFIED:

NAME Richard J. Morris
Address Grantsville, W.Va.
Telephone 354-7259

RECEIVED
MAY 13 1982
OIL AND GAS DIVISION
WV DEPARTMENT OF MINES

The undersigned well operator is entitled to operate for oil or gas purposes at the above location under a deed ___ / lease x / other contract ___ / dated 5/20/, 1965, to the undersigned well operator from Cabot Corporation.

(If said deed, lease, or other contract has been recorded:)

Recorded on 6/14/, 1965, in the office of the Clerk of County Commission of Calhoun County, West Virginia, in Lease Book 52 at page 472. A permit is requested as follows:

PROPOSED WORK: Drill ___ / Drill Deeper ___ / Redrill ___ / Fracture or stimulate x /
Plug off old formation ___ / Perforate new formation ___ /
Other physical change in well (specify) Run 4½" Casing for Prod. String - Pull No Pipe out of well(7")
--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 receipt of this Application by the Dept. 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 lessees on or before the day of the mailing or delivery of this Application to the Department of Mines at Charleston, West Virginia.

PLEASE SUBMIT COPIES OF ALL GEOPHYSICAL LOGS DIRECTLY TO:

ST VIRGINIA OIL AND GAS
ERVATION COMMISSION
WASHINGTON ST., E.
STON, WV 25311
e - 304/348-3092

E.M. & W.E. Smith
Well Operator

By: Walter E. Smith

Its: Designated Agent

12/01/2023