

10-27-80

200'

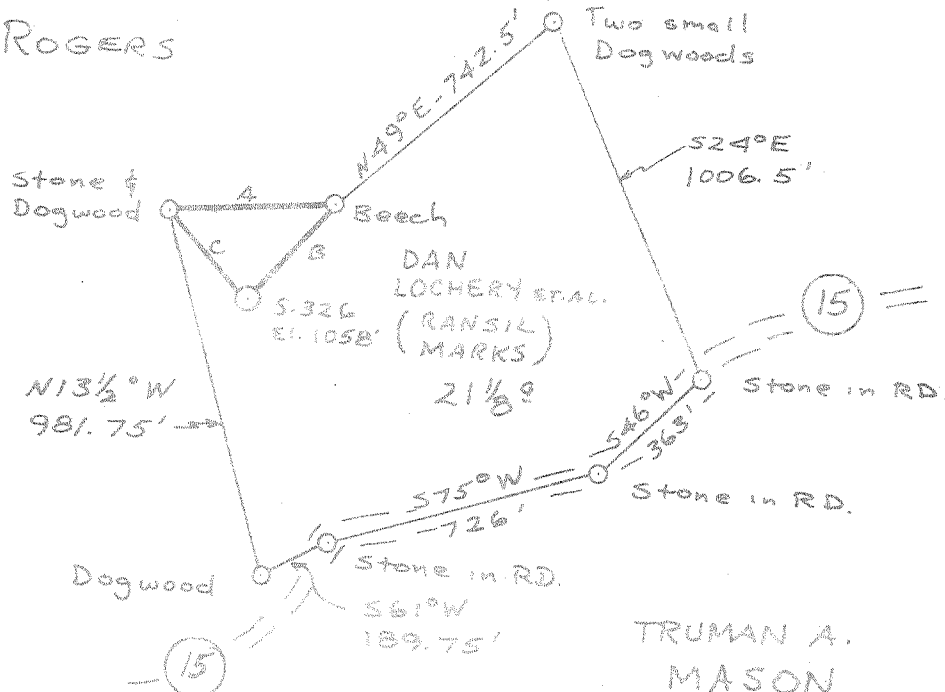
LATITUDE 39° 15'

1055
004W

M.C. MARKS

RUTH D. ROGERS

NORTH



LONGITUDE 80° 35'

04W

TRUMAN A. MASON

WELL TIES:

- A - ~~S80°~~ 02'W - 429.64'
- B - 541° 47'W - 313'
- C - S43° 06'E - 320'

39 14 05

80 35

FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 500'
 MINIMUM DEGREE OF ACCURACY 1' IN 200'
 PROVEN SOURCE OF ELEVATION 932' RD. FORK BIG ISAAC - 7 1/2' TOPO

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) Douglas P. Moats
 R.P.E. 7002 L.L.S. _____

PLACE SEAL HERE

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



DATE OCTOBER 21, 1980
 OPERATOR'S WELL NO. 5-326
 API WELL NO. 47-017-2858
 STATE COUNTY PERMIT

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS LIQUID INJECTION ___ WASTE DISPOSAL ___
 (IF "GAS,") PRODUCTION STORAGE ___ DEEP ___ SHALLOW ___
 LOCATION: ELEVATION 1058' WATER SHED BUCKEYE CREEK
 DISTRICT GREEN BRIER COUNTY DOODRIDGE
 QUADRANGLE BIG ISAAC - 7 1/2 ; VADIS - 15' NC
 SURFACE OWNER RANSIL MARKS ACREAGE 21 1/8[±]
 OIL & GAS ROYALTY OWNER DAN LOCHERY et al LEASE ACREAGE 21 1/8[±]
 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 ___ 6-6 Meathouse Fork - Bristol (146)
 TARGET FORMATION ALEXANDER ESTIMATED DEPTH 5200'
 WELL OPERATOR SCOTT OIL & GAS DESIGNATED AGENT JAMES F. SCOTT
 ADDRESS P.O. BOX 112 SALEM W.V. 26426 ADDRESS P.O. BOX 112 SALEM W.V. 26426

NOV 17 1980

Dan Louchery

S-386

WELL OPERATOR'S REPORT

- 017 2858

OF
CRACKING, TACK BOND AND OR STIMULATING

WELL TYPE: Oil / Gas / Liquid Injection / Waste Disposal
 "Oil" Gas", Production / Underground storage / Test / Other

LOCATION: Elevation: 1058 Watershed: Buckeye Creel
 District: Greenbrier County: Doddridge Sub-angle: Big Isaac 7.5'

WELL OPERATOR James F. Scott DESIGNATED AGENT SAME
 Address P.O. Box 112 Address _____
Salem, W. Va. 26426

PERMITTED TO: Drill / Convert / Drill deeper / Re-drill / Treat or stimulate
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify) _____

PERMIT ISSUED ON Oct. 24, 1980 OIL & GAS INSPECTOR FOR THIS WORK:
 Name Paul Garrett
 Address 321 Beech St.
Clarksburg, W. Va. 26301

GEOLOGICAL TARGET FORMATION: Alexander Depth 5495 feet
 Depth of completed well, 5495 feet Rotary / Cable Tools
 Water strata depth: Fresh, 110 feet; salt, _____ feet.
92-95; 374-378; 400-404
 Coal seam depths: 683-686 Is coal being mined in the area? NO
 Work was commenced Nov. 7, 1980, and completed Nov. 13, 1980

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		
Casing	11 3/4							Rinds
Flow water								
Steel								Sizes
Flow pipe	8 5/8		20	X			867	to surface
Int. tubing	4 1/2		10 1/2	X			5435	420 Sks. Depth set
Tubing								
Perforations:								

OIL & GAS DIVISION

1,205 MCF
 4955, 6952, 94-5322
 Alex

Benson; Alexander
 Initial flow rate, _____
 Final flow rate, 1,205 Mcf/d
 Time between initial and final tests, 4 hours
 Shut in time, 16:15 hrs (surface measurement) after 48 hours shut in.
 [Additional test data or notes...]
 Initial flow rate, _____
 Final flow rate, _____
 Time between initial and final tests, _____
 Shut in time, _____
 AUG 17 1981

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

<u>Alexander</u>	5294-5298 5318-5322	6 holes 4 holes	550bbl	60,000# sand
<u>Benson</u>	4955-4969	18 holes	550bbl	60,000# sand

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 & Shale			0	40	
Sand			40	92	
Coal			92	95	
Sand			95	170	
Red Rock			170	205	
Sand & Shale			205	374	
Coal			374	378	
Sand & Shale			378	400	
Coal			400	404	
Sand & Shale			404	683	
Coal			683	686	
nd & Shale			686	750	
Shale & Red Rock			750	868	
Sand & Shale			868	2020	
Big Lime & Injun			2020	2141	
Sand & Shale			2141	3010	
Shale			3010	3360	
Sand & Shale			3360	4250	
Shale			4250	4460	
Sand & Shale			4460	4950	
Benson			4950	4960	
Shale			4960	5270	
Alexander			5270	5290	
Shale			5290	5310	
Alexander # 2			5310	5330	
Shale			5330	5495	
Gamma Ray Log					
Big Lime-Big Injun			2020	2175	
5th Sand			2990	3002	
Benson			4968	4980	
Alexander			5300	5360	

(Attach separate sheets to complete as necessary)

James F Scott
Well Operator

By _____
Its Owner/Operator

1. The term "log" or "well log" shall mean a systematic, detailed and final record of all formations, including coal, encountered in the drilling of a well.

PROPOSED WORK ORDER

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

DRILLING CONTRACTOR (IF KNOWN) S. W. Jack Drilling
Address Buckhannon, W. Va.

GEOLOGICAL TARGET FORMATION, Alexander

Estimated depth of completed well, 5200 feet Rotary X / Cable tools /
Approximate water strata depths: Fresh, feet; salt, feet.
Approximate coal seam depths: 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	Kinds	Sizes
Conductor	11	3-4								
Fresh water										
Coal										
Intermediate	8	5-8					700	to surface		
Production	4 1/2						5200	700 SKs or	Depths set	
Tubing								as reqd.		
Liners								by rule	Perforations:	
								15.01	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 drilling within 200 feet of the proposed well.

A separate Form IV-2 shall not be required for fracturing or stimulating a well where fracturing is to be part of the work for which a permit is sought and is noted as such on the Form IV-1 filed in connection therewith.

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 6-27-81.

J. E. Murray
Deputy Director of 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.

Date: , 19

By
Its