

A.E. PRATT HRS et al. LEASE

JK-1256

BECKETT & SHEPARD

TISINGER

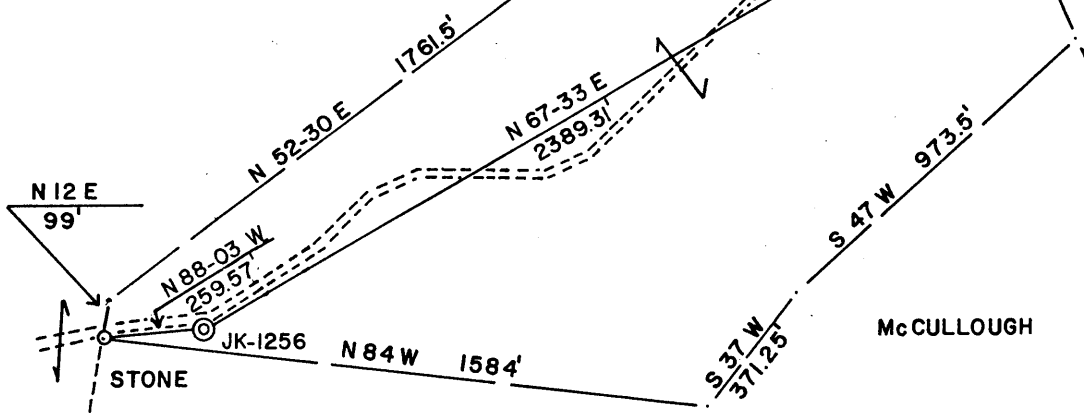
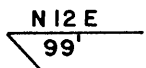
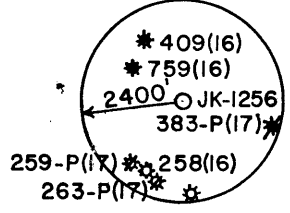
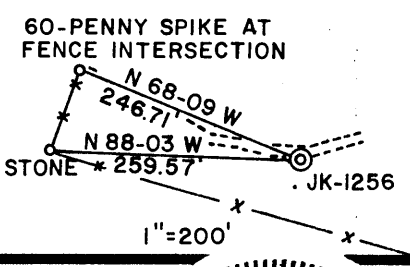
WALTON

McCULLOUGH

McCULLOUGH

77.5 ACRES ±

REFERENCES



0.935
2.250

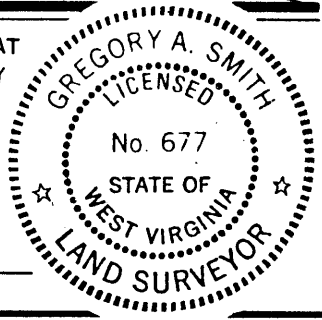
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SMITH LAND SURVEYING

(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE JANUARY 22, 1986
 OPERATORS WELL NO. JK-1256
 API WELL NO.
47 - 095 - 1146
 STATE COUNTY PERMIT

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 ENERGY.
 L.L.S. 677
Gregory A. Smith



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 19-10
 PROVEN SOURCE OF ELEVATION TOP OF KNOB 1308' SCALE 1"=500'



STATE OF WEST VIRGINIA
 DEPARTMENT OF ENERGY
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ IF "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X
 LOCATION: ELEVATION 1218' WATERSHED SHORT RUN West Union 15'
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE PENNSBORO 7.5' 539
 SURFACE OWNER HAROLD & EUGENE R. WALTON ACREAGE 77.5 133
 OIL & GAS ROYALTY OWNER AUSTIN E. PRATT HRS. et al. LEASE ACREAGE 77.5 508
 PROPOSED WORK: DRILL X CONVERT ___ DRILL DEEPER ___ REDRILL ___ FRACTURE OR STIMULATE X PLUG OFF ___
 OLD FORMATION ___ PERFORATE NEW FORMATION ___ PLUG AND ABANDON ___ CLEAN OUT AND REPLUG ___
 OTHER PHYSICAL CHANGE IN WELL (SPECIFY) ___ TARGET FORMATION ALEXANDER
 ESTIMATED DEPTH 5400

WELL OPERATOR J & J ENTERPRISES, INC. 427 DESIGNATED AGENT RICHARD M. REDDELYN JUL 28 1986
 ADDRESS P.O. BOX 48 BUCKHANNON, W.V. 26201 ADDRESS P.O. BOX 48 BUCKHANNON, W.V. 26201

NORTH

COUNTY NAME PERMIT

575



IV-35
(Rev 8-81)

Date October 2, 1986
Operator's
Well No. 2473 - JK1256
Farm Austin Pratt #2
API No. 47 - 095 - 1146

State of West Virginia
Department of Mines
Oil and Gas Division

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil ___ / Gas x / Liquid Injection ___ / Waste Disposal ___ /
(If "Gas," Production ___ / Underground Storage ___ / Deep ___ / Shallow xx /)

LOCATION: Elevation: 1218' Watershed Short Run
District: Centerville County Tyler Quadrangle Pennsboro

COMPANY Union Drilling, Inc.
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
DESIGNATED AGENT Joseph C. Pettey
ADDRESS P.O. Drawer 40, Buckhannon, WV 26201
SURFACE OWNER Harold Walton
ADDRESS Rt. 2, Box 391, Clarksburg, WV 26301
MINERAL RIGHTS OWNER Austin Pratt Heirs
ADDRESS _____
OIL AND GAS INSPECTOR FOR THIS WORK _____
Robert Lowther ADDRESS Gen. Den., Middleborne, WV
PERMIT ISSUED 7/21/86 26149
DRILLING COMMENCED 7/28/86
DRILLING COMPLETED 8/2/86
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	Content fill up Cu. ft.
Size 20-16 Cord.			
13-10"			
9 5/8			
8 5/8	1365.45'	1365.445'	330 cf
7			
5 1/2			
4 1/2		5420.00'	492 cf
3			
2 3/8"	tubing	5350.55'	
Liners used			

GEOLOGICAL TARGET FORMATION Alexander Depth 5400' feet
Depth of completed well 5538' feet Rotary xxx / Cable Tools _____
Water strata depth: Fresh 740' feet; Salt 1335', 1650' feet
Coal seam depths: 1125/27, 1195/1200 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Riley, Benson, Alexander Pay zone depth 5373' feet
Gas: Initial open flow 15 Mcf/d Oil: Initial open flow _____ Bbl/d
Final open flow 1008 Mcf/d Final open flow _____ Bbl/d
Time of open flow between initial and final tests 2 hours
Static rock pressure _____ psig (surface measurement) after 24 hours shut in
(If applicable due to multiple completion--)
Second producing formation _____ Pay zone depth _____ feet
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

OCT 20 1986
(Continue on reverse side)

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

Halliburton - 3 stage Frac - 8/8/86

4675/4704 - Riley - 40,000# sand, 605,500 scf nitrogen and 660 Bbls water

5076/5079 - Benson - 40,000# sand, 65,500 scf nitrogen and 445 bbls water

5368/5373 - Alexander - 40,000# sand, 68,000 scf nitrogen and 405 bbls 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 & Shale			0	1125	Hole Damp @740'
Coal			1125	1127	1/2" stream Water @1335'
Sand & Shale			1127	1195	Hole Damp @1650'
Coal			1195	1200	
Sand & Shale			1200	1987	
Blue Monday			1987	2018	
Big Lime			2050	2125	
Injun			2129	2247	
Weir			2409	2526	
Riley			4658	4705	
Benson			5075	5096	
Alexander			5322	5390	
				5538'T.D.	Gas Check @TD 2/10 thru 1" w/w = 15mcf

(Attach separate sheets as necessary)

Union Drilling, Inc.

Well Operator

By:

Joseph C. Petty

Date: Joseph C. Petty, Vice President of Prod.

10/2/86

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
...!, encountered in the drilling of a well."

FILE COPY

RECEIVED
JUL 14 1986



1) Date: February 24, 1986
 2) Operator's Well No. JK-1256
 3) API Well No. 47 State 095 County -1146 Permit

STATE OF WEST VIRGINIA
 DIVISION OF OIL & GAS
 DEPARTMENT OF ENERGY, OIL AND GAS DIVISION
 DEPARTMENT OF ENERGY
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas /
 B (If "Gas", Production / Underground storage / Deep / Shallow /)
- 5) LOCATION: Elevation: 1218' Watershed: Short Run
 District: Centerville 42/7 County: Tyler Quadrangle: Pennsboro 7.5' 538
- 6) WELL OPERATOR: J&J Enterprises, Inc. CODE: 24150 7) DESIGNATED AGENT Richard M. Reddecliff
 Address P.O. Box 48 Address P.O. Box 48
Buckhannon, WV 26201 Buckhannon, WV 26201
- 8) OIL & GAS INSPECTOR TO BE NOTIFIED Name Robert Lowther
 Address General Delivery
Middlebourne, WV 26149
- 9) DRILLING CONTRACTOR: Name S.W. Jack Drilling Co.
 Address P.O. Box 48
Buckhannon, WV 26201
- 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, Thin Street ALEXANDER 439
 12) Estimated depth of completed well, 5395' 5400 feet
 13) Approximate trata depths: Fresh, 125' feet; salt, N/A feet.
 14) Approximate coal seam depths: N/A 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	11 3/4	H-40	42	X		30'	0'	0 Sacks	Kinds
Fresh water	8 5/8	ERW	23	X		13181818	13181018	To Surface	<u>Rule 15-05</u>
Coal	8 5/8	ERW	23	X		13181818	13181818	To Surface	<u>Rule 15-05</u>
Intermediate									
Production	4 1/2	J-55	10.5	X		5400-5995'	-5945'	300 Sacks of	Depths set
Tubing							<u>5350</u>	as required	by rule 15-01
Lin.									Perforations:
									Top Bottom

OFFICE USE ONLY
 DRILLING PERMIT

Permit number 47-095-1146 Date July 21 1986

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 July 21, 1988 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <input checked="" type="checkbox"/>	Agent: <u>AS</u>	Plat: <u>AS</u>	Casing: <u>AS</u>	Fee: <u>2133</u> <u>129</u>	WPCP: <u>AS</u>	SEP: <u>AS</u>	Other: <u>RAK</u>
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NOTE: Keep one copy of this permit posted at the drilling location.

Director, Division of Oil and Gas

File

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.