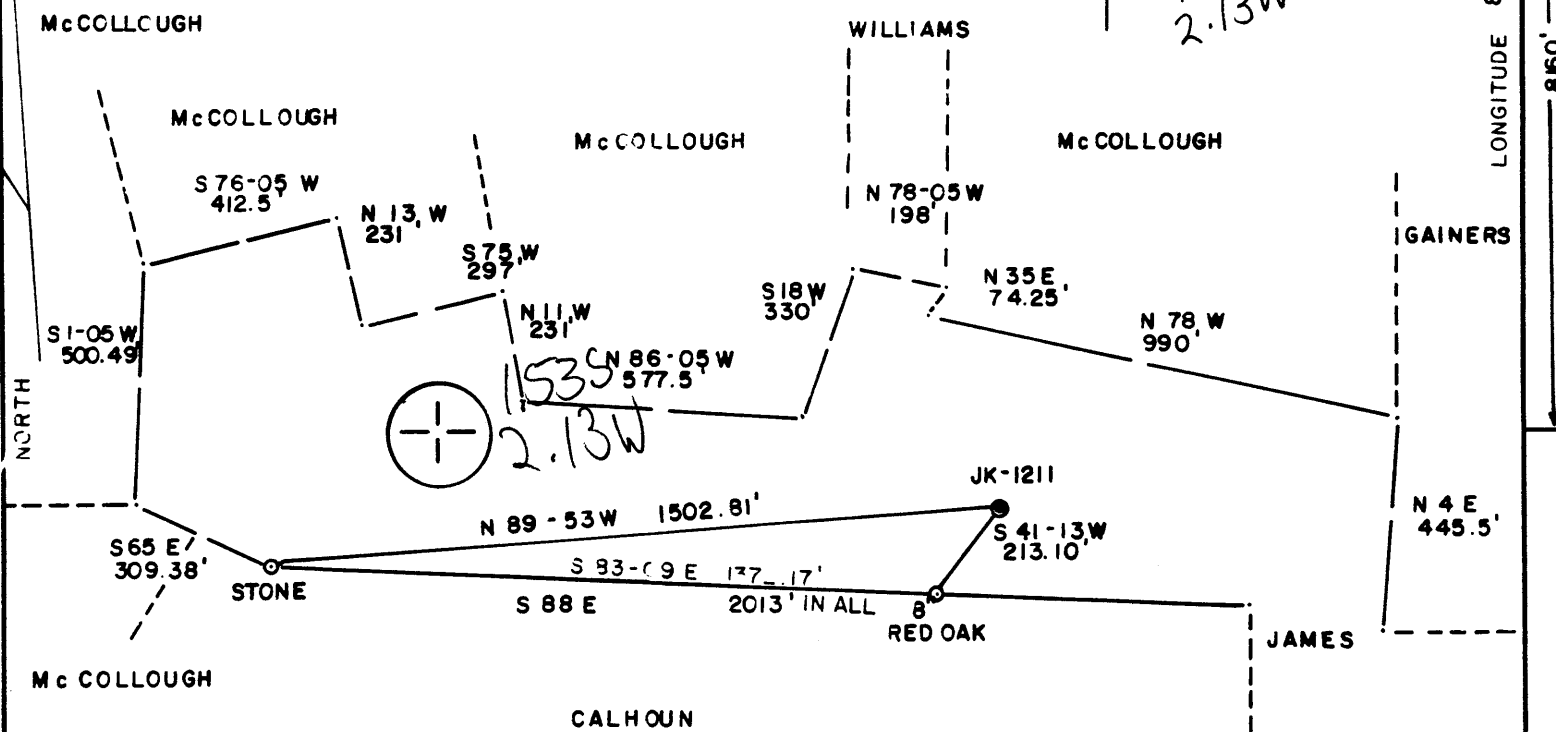


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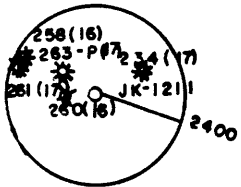
ASH LEASE

WELL NO. JK-1211

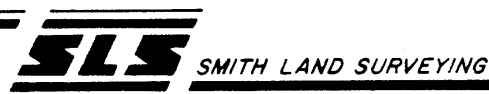
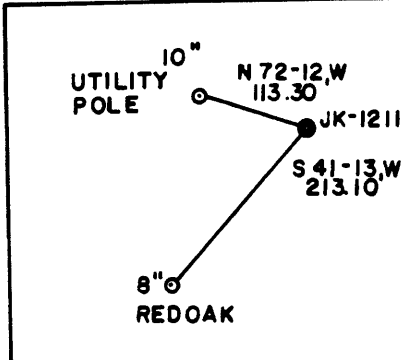
09-05-08
LONGITUDE
098



30 ACRES ±

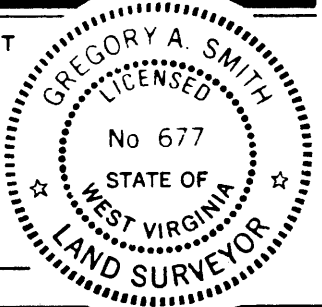


REFERENCES



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 DATE MAY 14, 1985
 OPERATORS WELL NO. JK-1211
 API WELL NO.
47-095-1111
 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 MINES.
 L.L.S. Gregory A. Smith
 677



MINIMUM DEGREE OF ACCURACY 1 / 200 FILE NO. 18-20
 PROVEN SOURCE OF ELEVATION TOP OF KNOB ELEV. = 1310' SCALE 1" = 400'



STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION

WELL TYPE: OIL ___ GAS X LIQUID INJECTION ___ WASTE DISPOSAL ___ "GAS" PRODUCTION X STORAGE ___ DEEP ___ SHALLOW X

LOCATION: ELEVATION 1037' WATERSHED MUDLICK RUN
 DISTRICT CENTERVILLE COUNTY TYLER QUADRANGLE WEST UNION 7.5' (67)
 SURFACE OWNER DALE ASH, JR. HEIRS ACREAGE 30 West Union 133
 OIL & GAS ROYALTY OWNER DALE ASH, JR. HEIRS LEASE ACREAGE 30 SC 8
 LEASE NO. JJ-1819

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 RHINE STREET
 ESTIMATED DEPTH 5995'

COUNTY NAME
PERMIT

WELL OPERATOR J & J ENTERPRISES, INC. 427 DESIGNATED AGENT RICHARD REDECLIFF
 ADDRESS P.O. BOX 48, BUCKHANNON, WV 26201 ADDRESS P.O. BOX 48, BUCKHANNON, WV 26201

JUL 20 1985



IV-35
(Rev 8-81)

State of West Virginia
Department of Mines
Oil and Gas Division

Date October 2, 1986
Operator's
Well No. 2471 - JK1211
Farm Dale Ash, Jr. Heirs #1
API No. 47 - 095 - 1111

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: 1037' Watershed Mudlick Run
District: Centerville County Tyler Quadrangle West Union

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 Dale Ash, Jr. Heirs

ADDRESS _____

MINERAL RIGHTS OWNER same as surface

ADDRESS _____

OIL AND GAS INSPECTOR FOR THIS WORK _____

Robert Lowther ADDRESS Gen. Del., Middleborne, WV 26149

PERMIT ISSUED 7/17/85

DRILLING COMMENCED 7/14/86

DRILLING COMPLETED 7/20/86

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	cement fill up Cu. ft.
Size 20-16 Cord.			
13-10"	20.00'	pulled	
9 5/8			
8 5/8	1186.80'	1186.80'	325 cf
7			
5 1/2		5219.75'	387 cf
4 1/2			
3			
2 3/8"	tubing	5178.25'	
Liners used			

GEOLOGICAL TARGET FORMATION Rhine Street Depth 5995' feet

Depth of completed well 5401' feet Rotary XXX / Cable Tools _____

Water strata depth: Fresh 100', 520 feet; Salt 1475' feet

Coal seam depths: 655/657 Is coal being mined in the area? no

OPEN FLOW DATA

Producing formation Riley, Alexander Pay zone depth 5198' feet

Gas: Initial open flow no show Mcf/d Oil: Initial open flow _____ Bbl/d

Final open flow 863 Mcf/d Final open flow _____ Bbl/d

Time of open flow between initial and final tests 2 hours
1650# Casing 1625# Tubing

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 - 2 stage Foam Frac - 7/29/86

4498/4504 - Riley - 45,000# sand, 700 bbls water and 585,000 scf nitrogen
4525/28

5185/5198 - Alexander - 35,000# sand, 505 bbls water and 100,000 scf nitrogen

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	655	Hole damp @100'
Coal			655	657	1/2" stream fresh water @520'
Sand & Shale			657	1900	
Big Lime			1900	1979	
Injun			1982	2074	
Riley			4497	4540	
Benson			4899	4905	
Alexander			5163	5218	
				5401' TD.	Gas check @TD = no show

(Attach separate sheets as necessary)

Union Drilling, Inc.

Well Operator

By:

Joseph C. Pettey

Date: Joseph C. Pettey, Vice President of Production

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."



1) Date: May 31, 19 85
 2) Operator's Well No. JK-1211
 3) API Well No. 47 - 095-1111
 State County Permit

REC
JUL 9 1985

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

APPLICATION FOR A WELL WORK PERMIT

- Oil & Gas Dept. DEPT. OF MINES, OIL AND GAS
- 4) WELL TYPE: Oil / Gas X / (If Gas, Production X) / Underground storage / Deep / Shallow X /
- 5) LOCATION: Elevation: 1037' / Watershed: Mudlick Run
 District: Centerville / County: Tyler / Quadrangle: West Union 7.5'
- 6) WELL OPERATOR: J & J Enterprises, Inc. / 7) DESIGNATED AGENT: Richard Reddecliff
 Address: P.O. Box 48 / Address: P.O. Box 48
Buckhannon, WV 26201 24132 / 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 X / Drill deeper / Redrill / Stimulate X /
 Plug off old formation / Perforate new formation /
 Other physical change in well (specify)
- 11) GEOLOGICAL TARGET FORMATION, Rhine Street 441
- 12) Estimated depth of completed well, 5995' feet
- 13) Approximate strata depths: Fresh, 130' feet; salt, N/A feet.
- 14) Approximate coal seam depths: N/A Is coal being mined in the area? Yes / No X
- 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		
Conductor	11 3/4	H-40	42	X		<u>200'</u>	<u>200'</u>	<u>0 SACKS</u> <u>NEAT</u>
Fresh water	8 5/8	ERW	23	X		1637'	1637'	To Surface
Coal	8 5/8	ERW	23	X		1637'	1637'	To Surface
Intermediate								Sizes
Production	<u>4 1/2</u>	J-55	10.5	X		5995'	5945'	300 Sacks
Tubing								Depths set
Liners								or as required by rule 15-01
								Perforations:
								Top Bottom

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-095-1111 Date July 17 19 85

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 17, 1987 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: <u>✓</u>	Agent: <u>ALB</u>	Plat: <u>MHM-2000</u>	Casing	Fee
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K. Dauber

Administrator, Office of Oil and Gas

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

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

File