API No.: 45-105-20241-00-03

VDMR Well Rep. No.: W-4647

Div. Gas & Oil File No.: LE-35

Operator: ROBERT F. SPEAR (FORMERLY TAMIK OIL)

Farm: LOGAN SNODGRASS HEIRS

County: LEE

Co. Well No.: 101

Quadrangle: COLEMAN GAP - 7-1/2'

Location (UTM): N 4,055,700; E 286,350

UTM Zone: 17

Field: ROSE HILL

Province: VALLEY AND RIDGE

Elev. (specify): 1500.0' GR TD: 2135

Formation at TD: LOWVILLE

Initial Gas Flow: 1000,000 CU. FT. ESTAMATED Age: ORDOVICIAN

Date compl. or abandoned: DECEMBER 11, 1974

Result: WELL CAPPED

Gas Shows:

Gas Pays:

Main Production: 2101' Producing Formation:

Final Gas Flow

Age:

Treatment:

Initial Oil Production:

Final Production:

Oil Shows:

Water:

FW:

at:

SW:

at:

Coal:

Plat: X

Plotted: X

Completion Report: X

Correction Jap Coleman Jap

Drillers Log: X

Geologic Log:

Samples: X

Interval Sheet: X

Sample Interval: 0' TO 2135'

Geophysical Logs S.P.

Res

Gamma: X Neutron:

Density: X Sonic

Other: TEMPERATURE

Stratigraphic Data Source:

Formation

Top

Datum (Subsea)

Thickness

Remarks: ATTEMPTED TO ACIDIZE GAS PAY O DEMBER 16, 1974. PULLED TUBING APART

SETTING PACKER; LOST 29 JOINTS IN THE HOLE. HOLE WAS CAPPED.

TEMPORARILY COMPLETED. WILL ATTEMPT TO FISH TUBING AT LATER DATE.

References:

Release to Open File: Completion: MARCH 11, 1975

Samples: YES

(Note: UTM measurements in meters, all others in feet)

COLEMAN GAP 1-31 MAS MELL

API No. 45-105-20241-00-03	VDMR Well Rep. No. <u>W-4647</u>
	DMQ File NoLE-35
Operator ROBERT F. SPEAR (FO	ORMERLY TAMIK OIL)
Farm LOGAN SNODGRASS HE	
Co. Well No. 101	
CountyLEE	Quadrangle COLEMAN GAP - 7½'
Location (UTM) N4,055,700	E 286,350 UTM Zone 17
(Lat. and Long.)	
	Province VALLEY AND RIDGE
Elev. (specify) 1500.0' GR TD	
	ESTIMATED Age ORDOVICIAN
	ER 11, 1974
Gas Shows	
Gas Pays	
Main Production 2101'	Prod. Form.
	Age
Treatment:	
Initial Production	
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Oil shows	
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	at at
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Drillers Log X Geologic Log	
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Sample Interval O' TO 2135'	
Remarks	
Geophysical Logs S.P Res	Gamma Neutron
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PULLED TUBING ATTEMPT TO FISH	APART SETTIN WAS CAPPED, I TUBING AT	NG PACKER; TEMPORARI LATER DATE	LOST 29 JOINTS I
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PULLED TUBING ATTEMPT TO FISH	APART SETTING WAS CAPPED,	TEMPORARI LATER DATE	LOST 29 JOINTS II

(Note: UTM measurements in meters, all others in feet)

OIL AND GAS WELL SUMMARY REPORT

API No.: 45-105-20241-00-03 VDMR Well Rep. No.: W-4647

Div. Gas & Oil File No.: LE-35

Operator: ROBERT F. SPEAR (FORMERLY TAMIK OIL)

Farm: LOGAN SNODGRASS HEIRS

County: LEE Co. Well No.: 101

Quadrangle: COLEMAN GAP - 7-1/2'

Location (UTM): N 4,055,700; E 286,350 UTM Zone: 17

Field: ROSE HILL Province: VALLEY AND RIDGE

Elev. (specify): 1500.0' GR TD: 2135' Formation at TD: LOWVILLE

Initial Gas Flow: 100,000 CU. FT. ESTIMATED Age: ORDOVICIAN

Date compl. or abandoned: DECEMBER 11, 1974

Result: WELL CAPPED

Gas Shows

Gas Pays

Producing Formation: Main Production: 2101'

Final Gas Flow Age:

Treatment:

Initial Oil Production:

Final Production:

0il Shows

Water FW at at at at at

SW: at:

Coal

Plotted: X Completion Report: X Plat: X

Drillers Log: X Geologic Log

Samples: X Interval Sheet: X

Sample Interval: 0' TO 2135'

Geophysical Logs

S.P.

Res

Gamma: X Neutron

Density: X Sonic Other: TEMPERATURE

Stratigraphic Data Source:

Datum Formation Top (Subsea) Thickness

Remarks: ATTEMPTED TO ACIDIZE GAS PAY ON DECEMBER 16, 1974. PULLED TUBING APART SETTING PACKER; LOST 29 JOINTS IN THE HOLE. HOLE WAS CAPPED. TEMPORARILY COMPLETED. WILL ATTEMPT TO FISH TUBING AT LATER DATE.

References:

Released to Open File: Completion: MARCH 11, 1975

Samples:

YES

(Note: IITM measurements in meters, all others in feet)

OIL AND GAS WELL SUMMARY REPORT

API No.	45-105-20241-00-03	Rei	o. No.	W-4647
		- 4		LE-35
Operator	ROBERT F. SPEAR (FOR	MERLY TAMIK OIL		
Farm	LOGAN SNODGRASS HEIR	S		x x -
Co. Well No	. 101			
County	LEE 700	Quadrangle	COLEMA	AN GAP - 7-1/2'
Location (U	N 4,055, 650; ong.)	E 286,490-350	UTM	Zone17
(Lat. and L	ong.)			
Field	and the second second	Prov	ince VAL	LEY AND RIDGE
Elev. (spec	ify) 1500.0' GR. TD	2135' Form	n. at TD	LOWVILLE
INITIAL FLO	W - 100,000 CU. FT. ES	TIMATED	Age	ORDOVICIAN
Date compl.	or abandoned DECEMBI	ER 11, 1974		
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Formation Top	(Subsea)	Thickness	
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Remarks ATTEMPTED TO ACIDIZE GAS P	AV ON DECEMBED	16 1974	DIIII ED
TUBING APART SETTING PACKER;	-		
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References Released to Open File: Completion	MARCH 11,	1975	

(Note: UTM measurements in meters, all others in feet)

· TOUT ACTION TO

OM Form 7 (To be filled in by		COMMONWEALTH O	DE VIRGINIA	(To be filled in	, by
Division of Mines)			R AND INDUSTRY	T)' ' ' C 75'	
LEE		DIVISION OF		Well No	
ROSE HILL		BIG STONE GAP,		Permit No. 24	7-1
District GAO	OIL AND	DEEPEN	ED IPLETION REPOR	Office No.	
COLEMAN GAP		ABANDON		Location Plat	
LE-35 File	be submitted abandonmen	l to the Division of I	ectrical log, if made, must lines within 30 days after ell, as required by Section		
Company Robert F. Spec	ar (fermerly	Tamiko:1)	Address Box 6		
Farm Logan Snodgrass	Hoins			ginia 24248	
County Lee	110113		Acres Rose	14:11	The second secon
Well No. (Company)	101		Elevation (ground st		ft.
Feet feet Surface of tract is owned in fee	simple by LE simple by LE coing, Vin Lega, Filling bor 14, 1 bor 14, 1	of Longer Special Strong Special Strong Stro	Heirs Half Prilling contractor Address	oe Drilling	and
Well abandoned at	feet o	n	:]	Reason	
Well plugged on	3-	, 19 <i>F</i>	Affidavit filed		, 19
Total depth	3.5	feet. S	Steel line measurement		feet.
Commenced producing on			, 19		
Oil Well Initial production, oil: 1st 24 h	ours		bbls : 2nd 24 hom		hhls
After shot on				lbs.	
After shot on					
1st 24 hours				14,15	
Settled production					
Gravity and grade of oil					
Oil pave at (1)	feet to	feet	Oil shows at (1).	feet to	feet
(2)	feet to	feet.	(2)	feet to	feet
(3)	feet to	feet	$(\vec{3})$	feet to feet to	feet
(4)	feet to	feet.	(4)	feet to	feet
Main production at	feet to	feet.	(5)	feet to	feet
Gas Well		(larred	_/10ths. Water in	inch
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Volume 100,00	00	cu. ft.			
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File	No.	LE-	22

Permit No 241

LOG

Furnished by	Date
Compiled by	Date

Sample No.	FORMATION	Color	HARD OR SOFT	Top (feet)	BOTTOM (feet)	THICKNESS (feet)	REMARKS OIL, GAS, WATER DEPTHS SHUT DOWN FISHING, ETC.
/	CLINTON		SOFT	0	245	245	Tishiso, Fig.
	CLINCH		MARD				
SILURIAN	RIDGE MENDER		IMRO	245	372	127	
	MEMBER)		MED.	372	450	78	
	SEQUATCHIE		MED.	450	714	264	
	REEDSVILLE		MED.	714	1075	361	
	TRENTON		HARD	1075	1668	593	
	EGGLESTON		MED.	1668	1824	156	CILSHOW 1700
ROOVICIAN	HARDY CREEK MEMBER BEN HUR		MEO.	1824	1944	120	
	MEMBER)		MED	1944	2098	154	
	LOWVILLE	<i>y</i> .	HARD	2098	2135 T.D.	37	GAS 2101' EST. 100AICF

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THIS FORM MUST BE SIGNED BY AUTHORIZED PERSON:

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Division of Mines)		ENT OF LABOR A		(To be fill Division o	
LEE				Well No.	101
County	L	DIVISION OF MI			
ROSE HILL		BIG STONE GAP, VIRG	INIA	Permit No	NT1
COLEMAN GAP	OIL AND (DEEPENED GAS WELL COMPLE	CTION REPORT	Office No.	
Map		ABANDONMEN		Location Plat	
LE-35 File	be submitted abandonment	ort and a copy of electrical to the Division of Mines v t or completion of well, as e of Virginia, 1950.)	within 30 days after		
Company Robert F. S.	pear (fermerly	TamikOil) Add	ress Box 6		
			Ewing, Virg	inia 2424	?
Form Legin Snedger County Lee	ess Heirs	Acre	12		-
Vell No. (Company)	101		A A V b	face)/50	O ft
graphic map of an feet	location plat or map rea.) South	previously filed with	the Division of M	730	quadrangle topo-
4186: feet	West	of Longit	tide 83°2	2'30"	
Surface of tract is owned in Address Mineral rights are owned b	fee simple by LE	gan Inedgrass	Heirs		
Address	Ewing, Vi	ginia 24248	-		
Mineral rights are owned b	y	Snodgrass He	irs P		
Location made by Zob	sert F. Socar	+ Ost grace			
Drilling commenced	cober 14, 1	974 Drilling	contractor 600	· Drilling	
Drilling completed	mber 11, 1	974 Addres	35	7	
Well completed as gas woil	rell on WELL	CAPPED	,		
Well abandoned at	teet o	n Affiday	: Re	eason	10
Well plugged on Rotal depth R	, 135	feet. Steel 1	ine measurement _		feet.
Commenced producing on			, 19		
Oil Well					
Initial production, oil: 1st 2	24 hours	b	bls.; 2nd 24 hours		bbls.
After shot on	from	feet to fe	eet with	lbs.	
A.C. 1		fort to		qts. 1bs.	
After shot on	trom	reer to re	eet with	gts.	
1st 24 hours	bbls.; 2nd	1 24 hours			
Settled production		bbls. per day a	fter producing		bbls
		1 .			days
Gravity and grade of oil					days
Gravity and grade of oil _ Oil pays at (1)	feet to	feet. Oi	1 shows at (1)	feet to .	days week
Oil pays at (1)(2)	feet to feet to	feet. Oi	1 shows at (1)	feet to	days week feet
Oil pays at (1)(2)(3)	feet to feet to feet to	feet. Oi feet. feet.	1 shows at (1)	feet to feet to feet to	days feet feet feet
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Oil pays at (1)(2)(3)(4) Main production at	feet to feet to feet to feet to feet to	feet. Oi feet. feet. feet. feet. feet. feet.	(1 shows at (1)	feet to	days week feet feet feet feet feet feet
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Oil pays at (1) (2) (3) (4) Main production at Gas Well Initial open flow, gas: Volume After shot on	feet to	feet. Oifeetfeetfeet	(1 shows at (1)	feet to feet t	days weeks feet feet feet feet feet inch

Settled prod			lbs.; after hours lbs.				
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Gas pays at	(1)	feet to	feet. Gas	shows at (1)		fect to	feet
	(2)	feet to	feet.				
		feet to					
	(4)	feet to	feet.	(4) -			
Mam produc	ction = 101	feet to	feet.	(5) _			feet.
		feet,			GPM · (3)	feet	GPM
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	from	feet to	feet with	quantit	y) of	acid.	
Remarks ·	from	feet to	feet with	(quantit	y) of	acid.	
	C	Casing and Tubing		1	Pac	CKERS	
Size	USED IN	LEFT IN	PERFORATED	KIND	Size	1	SET AT
<i>r</i> 22	DRILLING	WELL					
(inch)	(feet)	(feet) 3 0	(feet) to (feet)				
85/8	347	347					
		-					
					L	INERS	
				SIZE	USED IN DRILLING	LEFT IN WELL	PERFORATED
				(inch)	(ft.)	(ft.)	(ft. to ft.)
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		inch, from inch, from					
Remarks: (Shut down, dept	hs, dates; fishing jobs DIZE BAS PAP POINTS IN FLSH DIBING	s, depths, dates; cav 1 12-16-74 HOLE · HO AT LATER O	ing; other note: . PILLEY LE CAPPE ATE.	S) THOING	APART S DRARILY	COMPLETE
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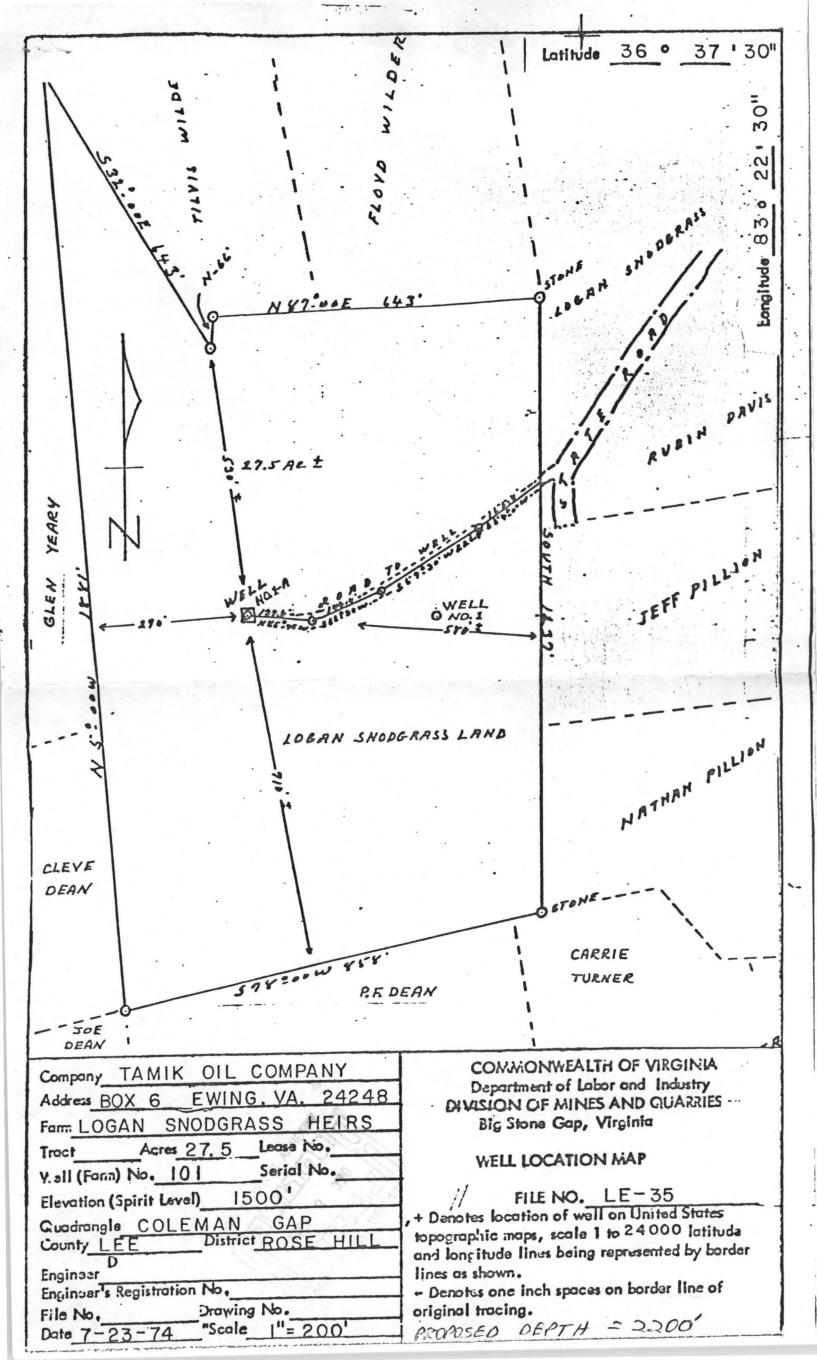
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Permit No. 241

LOG

Furnished by	Date
Compiled by	Date

Sample No.	FORMATION	Color	Hard or Soft	Top (feet)	BOTTOM (feet)	THICKNESS (feet)	REMARKS OIL, GAS, WATER DEPTHS SHUT DOWN FISHING, ETC.
	CLINTON		SOFT	0	245	245	
	CLINCH		MARD				
SILURIAN	RIDGE MENDER		HARO	245	372	127	
	MEMBER)		MED.	372	450	78	
	SEQUATCHIE		MED.	450	714	264	
	REEDSVILLE		MED.	714	1075	361	
	TRENTON		HARD	1075	1668	593	
	EGGLESTON		MED.	1668	1824	156	CIL SHOW 1700
PROOVICIAN	MOCCASIN HARDY CREEK MEMBER		ALEO.	1824	1944	120	
	BEN HUR MEMBER		MED	1944	2098	154	
	LOW VILLE	*	HARD	2098	2135 T.D.	37	GAS 2101' EST. 100MCF
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DMQ Form 3

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COMMONWEALTH OF VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY DIVISION OF MINES AND QUARRIES BIG STONE GAP, VIRGINIA 24219 PHONE 703-523-0335

APPLICATION FOR PERMIT TO (DRILL) (RECENTION OF GAS WELL

	1950, 1954 and the 1966 Cumulative Supplement.
To be accompanied by Permit fee of twenty-five do	
Section cited. To be submitted in duplicate, one of	copy to be returned to applicant after action by
Division of Mines and Quarries.	
TO: Division of Mines and Quarries	
Drawer V	Lee County, Virginia
Big Stone Gap, Virginia 24219	Lee County, Virginia Place
	July 23 1974
	Date
Snodgrass Heirs To Robert F. and recorded on the 10th day of July Clerk for the said County in Book 245 page The proposed location of the well is shown on a located Quarries, by the undersigned, together with Noter Oil or Gas on the 23rd day of July The proposed well will be known as Well No. 1-A (company, etc.) It is proposed to drill this well to the proposed location is about 290 feet distant from the nearest mining and/or about 390 feet distant from the nearest word out words not applicable) oil accepts (strike out word There is enclosed herewith a certified check or U.S (\$25.), payable to the Treasurer of Virginia, coverias required by Section 45.1-115, Code of Virginia, Bond and Surety therefor to insure compliance with ginia, 1950 and the 1966 Supplement, for this well, with of (give status of) Surety Bond	Virginia, having the fee title thereto, or as the 0,19,74 made by Logan Spear (Tamik Oil Company)
Correspondence regarding this well should be address	ssed to Tamik Oil Company, c/o R.F. Spear,
Box 6, Ewing, Virginia 24248	
	Very truly yours,
Signature of officer or certifying party:	
TOGET + XALA	7 TAMIK OIL COMPANY
Name /	Drilling Company or Operator
Operator	Box 6
Title	Street
	Ewing,
	City or Town
	Virginia 24248
7.15 Aug. 1	State
Space below this line is for ACTION OF DIVISION OF Received on 2-29-,1929 Approved and Permit (no. 187) granted on Denied	F MINES AND QUARRIES
Reasons for denial	
E	DIVISION OF MINES AND QUARRIES BY MUMACILLE, Se OF Floor Curpleto
STELL IS OF WALL NO.	Parit No.

COMMONWEALTH OF VIRGINIA DEPARTMENT OF LABOR AND INDUSTRY DIVISION OF MINES AND QUARRIES BIG STONE GAP, VIRGINIA 24219

NOTICE OF INTENTION TO (DRILL) (CERTIFICATION OIL OR GAS WELL

(One copy of this report and three identical copies of a plat or map, on a scale not smaller than 400 feet to the inch, and showing information required by Section 45.1-114, Code of Virginia, 1950, 1954 and the 1966 Cumulative Supplement, must be submitted to the Division of Mines and Quarries, and copies sent by registered mail to all persons defined in above law, prior to obtaining a permit to drill.)

	of Mines and Quarri	ies		Lee Coun	ty, Virgini	а	
Drawer \					Place		
Big Stone	e Gap, Virginia 242	19		July	23		,19 74
					Date		
Gentlemen:							
and Quarries, Heirs Lee grant or lease to R. F. Spe in the office of The proposed I (feet/miles) about It is proposed to or will not be		y Virginia, having 974 or said County in as shown on the of Latitude (feet/mixes) a depth of about nation by a membra	two) a wres, in the g the fee made by on the 1 Book attached a 36° 37' West	ell for oil Rottile there Logan S Oth 245 plat or ma 30" of Lo	se Hill to, or as the hodgrass Headay of Pag p, is about ongitude g	he Logan S he case may eirs July e 405 75	istrict of y be, under ,19 74 and
cation of the wand the 1966 Cdrill, redrill or	in triplicate, on a sevell and other informative Supplement deepen the aforement of the control	nation, required in ent is attached he entioned well hav	n Section reto. Co ve been se	45.1-114 pies of the ent to all in	Code of plat and raterested p	Virginia, 1 notice of in ersons as re	950, 1954 tention to quired by
1.	e is required):						
2.							
3.							
4.							
5.							
6							
					ery truly y		
Signature of of	ficer or certifying po	arty:			OIL COMP		
12660	TIP	167			Company o	or C perator	
	Name /			Box 6	Street Add	race	
	OPERATOR Title						
	Title				Virginia 24 or Town a		
				City	31 /31111 0	01010	
File LI	E-35 Date	Received	7-29	-74	Well No.	K	01

VIRGINIA DIVISION OF MINERAL RESOURCES Box 3667, Charlottesville, VA 22903

INTERVAL SHEET

Page 1 of Well Repository No.: W- 4647

Date rec'd: Pate Processed: April, 1977 Sample Interval: from 0 to:2135'

PROPERTY: Logan Snodgrass Heirs #101 Number of samples: 181

COMPANY: Tamik Oil Company Total Depth: 2135'

COUNTY: Lee Oil or Gas: X Water: Exploratory:

		20		
From-To	From-To	From-To	From-To	From-To
0 - 10	300- 310	600 _ 610	900 _ 10	-
10 - 20	310- 322	610 _ 620	10 - 20	-
20 - 30		620 _ 630	20 - 30	-
30 - 40	332- 344	630 - 640	30 - 40	-
40 - 50	· _	640 - 646	40 _ 50	-
50 - 60	_	656 _ 666	50 _ 60	_
60 - 70	364_ 374	666 _ 674	60 _ 70	_
70 - 80	374- 389	674 - 685	70 - 80	_
80 - 90	389- 397	685 - 695	80 - 90	_
-	-	695 - 708	90 1000	-
_	400- 415	708 - 715	1000 - 10	
116 - 124	400- 415	715 - 725	10 - 20	-
		713 - 723	20 - 30	
-	-	~	30 - 40	_
140 - 148	445- 455	745 - 755	40 - 50	_
140 - 140	443- 433	743 - 733	40 = 30	_
148 - 156	455- 465	755 - 765	50 - 60	-
156 - 164	-	765 - 775	60 - 70	-
164 - 188	475- 485	775 - 788	70 - 80	-
188 - 199	485- 500	788 - 800	80 - 90	_
199 - 210	-	_	90 - 1100	-
- · · · · · · · · · · · · · · · · · · ·	,	800 - 10	1100 10	=
-	515- 525	10 - 20	10 - 20	_
-	-	20 - 30	20 - 30	
-	-	30 - 40	30 - 40	-
	_	40 - 50	40 - 50	
	555- 565	50 - 60	50 - 60	_
_	-	60 - 70	60 - 70	_
= -	575- 585	70 - 80	70 - 80	-
· ,	-	80 - 90	80 - 90	_
-	585 - 600	90 - 900	90 - 1200	-
	-	, see	_	
-	_	_	_	~
	_	-	_	
		-	-	proset.
-	-	-		

VIRGINIA DIVISION OF MINERAL RESOURCES Box 3667, Charlottesville, VA 22903

INTERVAL SHEET Continued

Page 2	of				Well Repository No.:	W- 4647
From-	То	From-	To	From-To	From-To	From-To
1200 -	10	1600 -	10	2000 - 10	_	_
10 -	20	10 -	20	10 - 20		_
20 -	30	20 -	20	20 - 29	_	-
30 -	40	30 -	40	29 - 34	_	-
40 -	50	40 -	50	34 - 45	_	_
50 -	60	50 -	60	45 - 51	_	-
60 -	70	60 -	7.0	51 - 61		-
70 -	80	70 -	80	72 - 83	_	_
80 -	90	80 -	90	83 - 89		-
90 -	1300	90 -	1700	89 - 94	-	-
				94 - 2100		
1300 -	10	1700 -	10	2100 - 2105		_
10 -	20	1715 -	1722	2119 - 2135		-
20 -	30	1722 -	1730		-	-
30 -	40	1736 -	1744	-	_	-
40 -	50	1744 -	1755	-	-	-
F.O.	60	1755	C.F.			
50 -	60	1755 -	65	-	-	,-
60 -	70	65 -	74	-	-	-
70 -	80	74 -	85	-	-	-
80 -	90	85 -	96	-	_	-
90 -	1400	96 -	1800	-	-	-
1400 -	10	1800 -	1806	_	_	-
10 -	20	06 -	14	-	, u	-
20 -	30	14 -	30	-		-
30 -	40	30 -	36	-		
40 -	50	36 -	43	-	_	_
50 -	60	43 -	53	-	-	-
60 -	70	53 -	63	_	_	-
70 -	80	63 -	71	_	_	-
80 -	90	71 -	81	-		
90 -	1500	81 -	92	-	_	
		1892	1900			
1500 -	10	1900 -	08		_	-
10 -	20	08 -	15	-	_	-
20 -	30	15 -	21	-	-	-
_		21 -	26	-	-	-
<u>-</u>		26 -	33	-	-	-
E0 -	60	33 -	44	_	_	_
50 -	60 70	51 -	60	_	_	_
60 -			67	_	_	_
70 -	80	61 -	77	_	_	_
80 -	90	67 -	88	_	_	_
90 -	1600	// -	00			

88

2000