FORM 16

45 - 195 - 20408 STATE COUNTY PERMIT API WELL NO. DATE:

August 1 , 1983

OPERATOR'S

10007 WELL NO.

VIRGINIA OIL AND GAS INSPECTOR DEPARTMENT OF LABOR AND INDUSTRY OIL AND GAS SECTION 205 W. Main Street Abingdon, Virginia 24210 Phone 703 628-8115

	REPORT OF COMPLETION OF WELL WORK	3
Pursuant t	to Regulation 4.06 of the Regulations under the girginian	X
and Gas Act, the unders	signed well operator reports completion of the type(s) of w	rel)
work specified below or	the referenced well in Floyd Distric	t,
Scott Co	ounty, Virginia on 13th day, April month,	
1983•	•	
. WELL TYPE:	Oil / Gas x / Enhanced Recovery / Waste Disposal / IF "GAS", Production x / Underground storage	
	Exempt by Code § 45.1-300.B.1 from general oil and conservation law: Yes _x / NO	
WELL WORK:	Drill x / Deepen / Redrill / Stimulate x Plug Off Old Formation / Perforate New Formation x Plug / Replug Other physical change in well (specify)	_/
The well w	ork was done as shown in the Appendix(es) applicable to th	e
type(s) of well work in	volved.	
CONFIDENTIALITY STATUS	UNDER CODE OF VIRGINIA 8 45.1-332.	
Ninet	y days from the filing of this report,	
	OR	
x Two ye	ears from April 13 , 19 83 , the date on which	
the re	eferenced well was completed, the well being an explorator	Y
well a	as defined in Code of Virginia § 45.1-288.21.	

APPLICANT	Wise Oil & Gas Exploration Corp
ву	Mellaly D
	ITS: Vice President
ADDRESS:_	P.O. Box 43
-	Duffield, VA 24244
TELEPHONE:	703-431-4131

API WELL NO. 45 - 195 - 20408 State County Permit FORM 16 APPENDIM TYPE A, SHEET I (OBVERSE) DATE: August 1, 1983 Operator's Well No. 10007 REPORT OF COMPLETION OF WELL WORK IF DRILLING, REDRILLING OR DEEPENING IS INVOLVED DRILLING CONTRACTOR Clint Hurt & Associates ADDRESS Midland, Texas TELEPHONE 915-683-6381 FEET DEPTH OF COMPLETED WELL 5803 DRILLING RIG Rotary x / Cable Tool DEPTH THICKNESS GEOLOGICAL DATA Top Bottom 131' Fresh water: n/a Salt water: MINING IN AREA? Yes No Name Minea Out Coal seams: 264' 265' X 706' 708' x 985' 988' x 1076' 1078' 1115' 1120' Name Oil and gas: Gas 4616' 4712' Berea/Shale The data on depth of strata is based on the source(s) checked below: x Applicant's own drilling experience in the area Information supplied by the coal operator in the area Information already in the possession of the Inspector x As follows: Well Logs

FORM 16
APPENDIX TYPE A, SHEET 1 (REVERSE)

OTHER GENERAL INFORMATION

An electric log survey was/ was not x / conducted pursuant to Code
of Virginia S 45.1-333.B.2, at the coal owner's or operator's request.
An electric log survey was X / was not/ run for other purposes. This
survey did/ did not x / disclose the vertical location of a coal seam.
Note: If a coal seam was located, the part of the survey from the surface
through the coal is attached in accordance with Code of Virginia S
45.1-333.B.3.
Deviation surveys were / were not x / required under Code of Virginia S
45.1-333.C "to the bottom of the lowest published coal seam depth".
Note: If deviation surveys were required, the survey results are attached.
continuous survey was/ was not x / required under Code of Virginia .
45.1-333.C.
ote: If a continuous directional survey was required, the survey results
are attached.

CHANGES IN THE PERMITTED WELL WORK

The well operator did / did not_x / make any change(s) in the permitted well work, verbally approved by the Inspector or Assistant Inspector under Regulation 4.03 of the Regulations under the Virginia Oil and Gas Act, for the purpose of insuring successful completion of the well work.

Note: The nature and purpose of each such change, if any, is set out below or on additional sheets if such are required:

FORM 16 APPENDIA TY	PE A, SHEET 2 (OB	/ERSE)	A	PI WELL NO.	45 _ 180 State Coun	- 20408 Permit
*	CASI	G AND TUBING P	ROGRAM			
PRELIMINARY	INFORMATION					
Is the subject If "YES", was	ct well underlaid s a coal protection	by the red sha on string set t	les? YES	x / No shales? YES		_/
PROGRAM DETAI	ILS					
SIZE	TOP	BOTTOM LEN	GTH	FROM	TO	
Conductor	*					
13-3/8"	К.В.	25' 1	5'			
Casing circul	lated and cemented	in to the sur	face:			
9-5/8" Cemented	K.B. to surface with 7	266' 256 5 sks.	5 '	 ;		
	on casing set und			Code of Virgi	nia S 45.1-3	134.B:
	K.B. to surface with 3 and tubing left i		3'			
4-1/2"	к.в. 5	773' 5763	3'	5114' 4616'	5645' 4712'	26 holes 28 holes
Liners left i	n well, under Cod	e of Virginia S	5 45.1-336	or otherwis	<u>e</u> :	
n/a	used in drilling	but not left in	the well			
n/a	used In dilling	out not rett ri	t the well	··		
	idaa mluus.	Vind	Size	So	+ >+	
Packers or br. Bridge Pl		Kind Cast Iron	4-1/2'		60'	
REMARKS	(SHUT DOWN DEPTHS	, DATES: FISHIN	IG JOB DEP	THS, DATES:	CAVING: ETC.	,
SAMPLES AND CO	UTTINGS					
will_xx_/	will not/	be available Division of M		-	member of mi	ę .
will/	will not/	be furnished upon request.	the Divis		al Resources	
will/	will not/	require sacks Mineral Resou	to be fu	rnished by ti	ne Division	of

FORM 16
APPENDIX TYPE A, SHEET 2 (REVERSE)

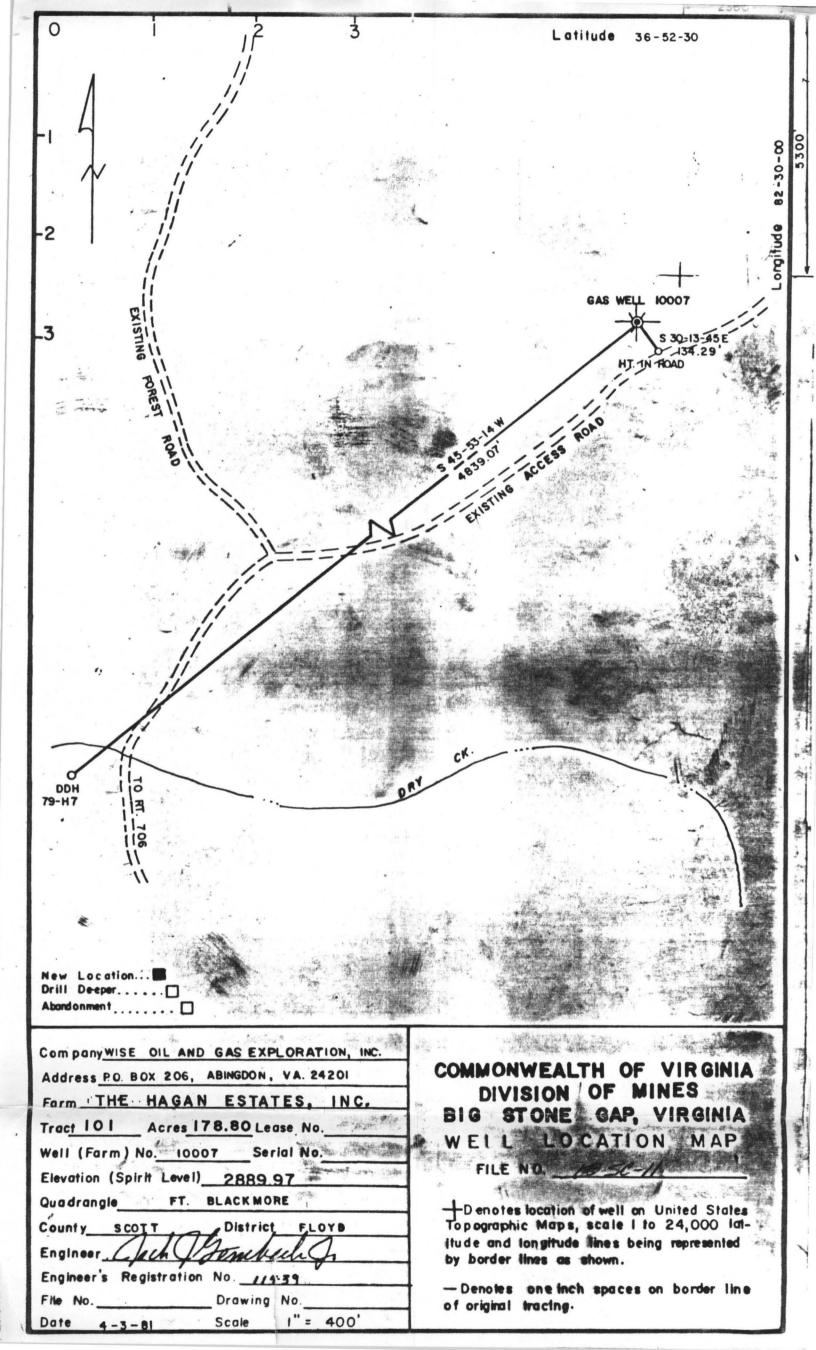
DRILLER'S LOG

COMPILED BY	W. W. Kelly, Jr.				-
Geologic Age	Formation	General Lithology Color	Depth Ft; Top Bottom	Thickness	Remarks
Pennsylvanian	Lee	Sandstone & Shale	0' - 1056'		v. 3/40 @ 51 v. 3/40 @ 78
	Pocahontas	Sandstone & Shale	1056' - 1716'	660' Dev. Dev.	3/4° @ 1039 1° @ 1536'
Mississippian	Bluestone	Sandstone & Shale	1716' - 2104'	338' Dev.	1° @ 2098'
	Ravencliff	Sandstone	2104' - 2235'	131'	
	Hinton	Sandstone & Shale	2235' - 2933'	688'	
	Maxon	Sandstone	2720' - 2933'	213'	
	Bluefield	Sandstone, Shale & Lime	2933' - 3428'	495' Dev.	1º @ 3305'
	(Greenbriar) Big Lime	Limestone	3428' - 4037'	609' Dev.	1º @ 3902'
	Injun	Sandstone & Shale	4037' - 4068'	31'	
	Weir	Siltstone	4068' - 4341'	273'	
	Sunbury	Shale	4341' - 4557'	216'	
	Berea	Siltstone	4557' - 4643'	86'	
Devonian	Devonian Shale	Shale	4643' - 5750'	1107' Dev.	1½° @ 5521
	Corniferous	Limestone	5750' -5803' T.	D. 53'	

& Dolomite

	osmobie.			*K _g			
FORM 17				API Well			_ 2040
APPENDIXTYPE D)			Date		County	
		s		Operator's Well No.	and the same of th	.0007	
*		O REPORT OF L DRILLED IN					,
DISCOVERY OF OIL	OR INDICA	TIONS THEREO	F				
Indicated p		low before s	timulation	0	BOD		
DISCOVERY OF GAS	OR INDICAT	TIONS THEREO	7				
		low before at			MCFD		
Rock pressu	re: not g	auged psig		i hour	test		
Full descriptions 2 Timulates	Shale For 0/40 Sand:	mation: <u>511</u> 568,000 Scf	N2			-	
Breakdown 2900 ps ISIP 2600 psig: 1	sig; Avg. I 15-Min. Shu	njection 337 t-In 2200 ps	79 psig; Av	g. Inject	ion Rate	10.4 BP	M;
Zone 2: Berea/Sha water; 55,700# 20 Breakdown 800 ps ISIP 1100 psig; 1	0/40 Sand; sig; Avg. I	350,000 Scf njection 205	N ₂ 3 psig: Av				
Zone 2: Berea/Sh Pump 89 bb1 25% Breakdown 2000 ps ISIP 1100 psig: 1	Methanol; ig; Avg. I	190 bb1 ENW njection 160	AR/Water: 0 psig: Av	184,000 Sc	f N2		
Final production	(check one) (xx) after	stimulation	on, () r	natural.		
BOD	MCFD	Hours Tested	Rock press		Hours Tested		
Zone 1	0	<u> </u>				_	
Zone 2	26	8	425		48	_	
Zone 3			-			-	
Final production hours tested							

Completion Date: 4-13-83



Nise Oil & Co Exploration Well Completion Intermation

100/0 10012 10007 ell No. 480 476 408 mit No. WS-54 LE-78 SC-11 le No. 195 105 169 muty Code Richmond yokum! district. Floyd Appalachie Appalachia Fort Blackmore ia drangle 12,800 S. 36°55'00" 5300' 5. 36°52'30" titude Loc. 11,300 W. 82°50'00" 2300 W. 8230'00' ngitude Loc. Development New Field Wildcat Extension Test hll Class. Fenn Va. Resurros Pan Virginia Resources Hagan Estate am Name 6-15-82 10-27-81 5-18-82 rilling Comm. 7-9-82 6-12-82 11-8-81 Drilling Complete! 12-23-82 10-1-82 ate Completed 12-22-82. 5526 5836 5803 T.D. Corniforous Corniferans m. at T.D. Corniterons Shale Weir Pay Zones 1, Shale / Berea Weir Big home Bighme 103 Mcf R.P. 900 #60hrs. 103 Met R.P. 60 hrs. mal Openflow 1. 103 Mor R.P. 500# 72hrs. 103 Mit R.P. 825#60Ws. 5 BOPD, 30Mcfgd

7300' 5. 3687'30" 2500 W. 82°45'00"

Commonwealth of Virginia DEPARTMENT OF LABOR AND INDUSTRY Division of Mines Big Stone Gap, Virginia

NOTICE OF INTENTION TO DELLL 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 45-114, Code of Virginia, 1950, must be submitted to the Division of Mines, and copies sent by registered mail to all persons defined in above law,

CO: DIVISION OF MINES	ABINGDON, VIRGINIA			
BIG STONE GAP, VIRGINIA	Place			
	April 9 , 19 81			
entlemen:	Date			
rom the Division of Mines, to drill, or oil or gas on the Hagan Est. (Tr he Floyd District of ee title thereto, or as the case may 1973 , made by Th fice of the County Clerk for said Co	Scott County, Virginia, having the be, under grant or lease dated July 1, se Hagan Estates, Inc to Col. Gas Trans. day of September , 19 73 in the ounty in Book 278 , page 734.			
feet				
2300 WEST	of82 ^o 30'00''			
XXXX				
	ll to a depth of about 5557 feet. Sample			
r cuttings therefrom XXXXXXXX be as	vailable for examination by a member of the			
staff of the Virginia Geological Surve				
urvey.	XXXXXX			
Inch, showing the proposed location of Section 45-114, Code of Virginia, 1950 notice of intention to drill, redrill sent to all interested persons as requ	n a scale not smaller than 400 feet to the f the well and other information, required in 0, is attached hereto. Copies of the plat and or deepen the aforementioned well have been uired by Section 45-114, above cited, as of each. Use back of sheet if additional			
	. P.O. Box 1811 Meridian MS 39301			
. Consolidation Coal Company:	, P.O. Box 1811, Meridian, MS 39301			
. Consolidation Coal Company	, P.O. Box 1811, Meridian, MS 39301			
. Consolidation Coal Company	, P.O. Box 1811, Meridian, MS 39301			
. Consolidation Coal Company				
Consolidation Coal Company				
Consolidation Coal Company				
Consolidation Coal Company	Very truly yours,			
Consolidation Coal Company	Very truly yours, rty: / WISE OIL & GAS EXPLORATION, INC			
Consolidation Coal Company	Very truly yours,			
Consolidation Coal Company Consolidation Coal Company Company Coal Company	Very truly yours, rty: / WISE OIL & GAS EXPLORATION, INC			
Consolidation Coal Company Consolidation Coal Company C	Very truly yours, rty: / WISE OIL & GAS EXPLORATION, INC			

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) (REDRIKEN) CIL OR GAS WELL

(Required by Section 45.1-115, Code of Virginia,	
	ollars and bond and surety therefor, as specified by
Section cited. To be submitted in duplicate, one	copy to be returned to applicant after action by
Division of Mines and Quarries.	
TO: Division of Mines and Quarries	Abingdon, Virginia
Drawer V	Place
Big Stone Gap, Virginia 24219	April 9 1981
•	Date
Gentlemen:	Dare
	mit to drill radrill-varyabaran (sixiles out two) a
The undersigned hereby makes application for a Pe	
well for oil or gas on the Hagan Est. (Tr. 101) arm	Comprising 1/8.8 deres, in the Floyd
District of Scott County,	Virginia, having the fee title thereto, or as the
Inc. to Columbia	
. Octumbi	ia Gas Transmission Corporation
and recorded on the 27th day of Septem	nber ,19 73 in the office of the County
	734
	cation plat or map submitted to the Division of Mines
	Notice of Intention to Drill, XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
for Oil or Gas on the 9th day of April	19 81 .
ine proposed well will be known as well the wall to	07 of Wise Oil & Gas Exploration, Inc.
	stant from the nearest property or lease line;XXXXX
	CHARLINGS KENDEN NAME OF THE COMPANY NAMED OF THE C
	THINK XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
OUXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	
	S. Postal Money Order, in the amount of twenty-five
	ring fee fro a Permit to Drill a Well for Cil or Gas,
	, 1950, 1954 and the 1966 Cumulative Supplement.
tions and Surery therefor to insure compliance with	the provisions of Chapter 8, Title 45, Code of Vir-
ginia, 1930 and the 1930 Supplement, for this well	I, in the amount of \$28,000.00 is submitted here-
with of (give status of) Surety Blanket Bond	
Bond #661-460	May 13, 1980
P. O. Box 206, Abingdon, Virginia 2	essed to Wise Oil & Gas Exploration; Inc.
1. O. Box 200, Abingdon, Virginia 20	4210
Simply of affine and their and	Very truly yours,
Signature of officer or certifying party:	
Name	Wise Oil & Gas Exploration, Inc. Drilling Company or Operator
	P. 00. Box 206
Vice President	
Title	Street
	Abingdon,
	City or Town
	Virginia 24210
Space below this line is to	State State
	or the use of the Board only.
	OF MINES AND QUARRIES
Approved and Permit (no. 408) granted or	- 0 1 11 10 01
Approved and Permit (no. 408) granted or Denied	april 14 ,1981
Recsons for denial	-
MCGSORS FOR CERTAIN	DIVISION OF MINES AND QUARRIES
	By B. J. Fufmer Shte OilandGAS Inep
E	
File No. 56-11 Well No. 1000	1 400

