Plot Log Card CSD4 MflmM 80 S.F. HARRESEE 0 No.2 (Location) m Error of Closure_ Source of Blavetion U.S.G.S. elev at Centerpoint : 790 I, the underelgood, hereby certify that this map is correct to the best of my know-ledge and belief and shows all the information required by paragraph 6 of the rules and regulations of the off and gas section of the mining laws of West Virginia. Fracture...... Drift Decode... Map No. Abelian STATE OF WEST VIRGINIA RAMCO OIL AND GAS CORP DEPARTMENT OF MINES OIL AND GAS DIVISION PABARSO BAIANA ANIA Charleston WELL LOCATION MAP Acc. 25_ Lease No. Well (Ferm) No. Que FILE NO. Dodd-1743 Elevation (Spirit Level) __942 Quedrangle Canturacint + Dezotes location of well on United Status Topographic Maps, scale 1 to 62,500, latitude Commiy_Doddridass and longitude lines being represented by border lines as shows. Dagason's Registration No. - Danotes one inch spaces on border line of Diswill No. orighmi tracing. 1 2 4 6 0 constitution and superior and supe



DECEIVED JAN 23 1974

OIL & GAS DIVISION DEFT. OF MINES

STATE OF WEST VIRGINIA DEPARTMENT OF MINES

39-30

Oil and Gas Division WELL RECORD

Quadrangle Centerpoint
Permit No. DOD-1743

Rotary_X	Oil
Cable	Gas_X 9 NOW
Recycling	Comb.
Water Flood	Storage
Disposal	(16 Gov.)

Company RAMCO Oil & Gas Corp. O Box 99 Belore, Ohio 45714		714	Casing and	Used in	Left	Cement fill up
Address P. O. Box 99, Belpre, Ohio 45714 Farm T. B. Harbert Acres 85			Tubing	Drilling	in Well	Cu. ft. (Sks.)
						†
ocation (waters) Round Botton	171	942' S	ize			
Vell No. 1 istrict McClellan Cou	riev	ridae c	0-16 Cond.			
		. 1	3-10"	ANNEAN DE MANAGETAN DE SENSE 4 VAN STERREN VIV. MANAGET A MINISTER		
he surface of tract is owned in fe	ee by		5/8			
Ford Heirs Address Salem, W. Va. Mineral rights are owned by T.B. Harbert Heirs Address Salem, W. Va. Drilling Commenced 10/6/73 Drilling Completed 10/10/73		The second secon	5/8	5251	5251 5251	213 sks.
		property and a separate for the conference of th		and him had		2000 01100
		1 (0110)	1/2			
			1/2		2108'	75 sks.
		3			2100	
					+	•
nitial open flowcu. ftbbls.		DDIS. =	iners Used			
inal production 600MCF cu. ft.	per day	UUIS.	Zeitera Cacil			
Vell open 24 hrs. bo	efore test	<u>*1"</u> RP. =			. 1	1: 6
/ell treatment details:		A	Attach copy of o	cementing rec	ord. Lawso r	CementingCo.,
Fractured: DOWELL -	<u>689 bbls.</u>	water; 500 ga	<u>als. 15% HCL</u>	.; 30,000 #	20/40 san	ıd;
	500# 10/2	20 sand.				
	The same of the sa					
Perforated: (1920' to 1	1932')- 13	holes				
		And the state of t		and the state of t		
	lance of the specifical and the specifical s					
Coal was encountered at	4(05¹ Foat		96" Inch	۸۹	
Track stater						Feet
Track stater		1	Salt \	Water		Feet
				Water		Feet
Track stater			Salt \	Water		Feet
resh water Producing Sand Big Injun			Salt \	Water	to 1932'	* Remarks
Fresh water Producing Sand Big Injun	Fee		Salt V Depth	Water 1918'	to 1932'	
Producing Sand Big Injun Formation Color Hard	or Soft	Top Feet	Salt V Depti	Water 1918'	to 1932'	
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^{*} Indicates Electric Log tops in the remarks section.





DEPARTMENT OF MINES

Oil and Gas Division OIL AND GAS WELL PERMIT APPLICATION

Surface Owner T. B. Harbert Heirs Address Sadelia, W. Va. Mineral Owner I. B. Harbert Heirs Address Sadelia, W. Va. Mineral Owner I. B. Harbert Heirs Address Sadelia, W. Va. Coal Owner I. B. Harbert Heirs Address Sadelia, W. Va. Coal Owner I. B. Harbert Heirs Address Sadelia, W. Va. Coal Owner I. B. Harbert Heirs Address Sadelia, W. Va. Coal Owner I. B. Harbert Heirs Address Sadelia, W. Va. Coal Owner I. B. Harbert Heirs Address Sadelia, W. Va. Coal Owner I. B. Harbert Heirs Address Sadelia, W. Va. Coal Owner I. B. Harbert Heirs Well No. I Elevation 242 District McClellan County Doddridg Coal Operator None - no coal is being mined In this area. NOSCIOR TO BE NOTIFIED September To Be NOTIFIED S	TO THE DEPARTMENT OF MINES,			
Address Sadelia, W. Vo. Mineral Owner T. B. Harbert Heirs Address Sadelia, W. Vo. Address Sadelia, W. Vo. Address Sadelia, W. Vo. Location (waters) Round Botton Run Rount Round Botton Run Rount Run Round Botton Run Round Run Round Botton Run Round Botton Run Round Botton Run Rount Run Round Run Round Botton Run Round R	Charleston, W. Va.	DATE July 12,	1973	
Mineral Owner T. B. Harbert Heirs Sadelia, W. Va. Coal Owner T. B. Harbert Heirs Address Sadelia, W. Va. Coal Operator None - no coal is being mined in this area. This Permit hiust as Postep at the Well No. Sievation 942' Address District McClellan County Doddridg Centerpoint Quadrangle Centerpoint Quadrangle Centerpoint Quadrangle Centerpoint Address District McClellan County Doddridg Control of the W. Ve. Code, the Location is hereby approved for District McClellan Address District McClellan County Doddridg Coperations being in accordance with Chapter 22,	Surface Owner T. B. Harbert Heirs	Company RAMC	O Oil & Gas Co	rp.
Mineral Owner T. B. Horbert Heirs Address Sadelia, W. Vo. Coal Owner I. B. Horbert Heirs Sadelia, W. Vo. Coal Owner I. B. Horbert Heirs Sadelia, W. Vo. Coal Owner I. B. Horbert Heirs Sadelia, W. Vo. Coal Operator None - no coal is being mined Address Sadelia, W. Vo. Coal Operator None - no coal is being mined Address In this area. Well No. I Elevation 942 Well No. I Strict McClellan County Doddridg Quadrangle Cenferpoint Well No. I Strict McClellan Quadrangle Cenferpoint Well No. I Strict McClellan County Doddridg Cenferpoint Well No. I Strict McClellan County Doddridg Quadrangle Cenferpoint Well No. I Strict McClellan County Doddridg Cenferpoint Well No. I Strict McClellan Control Doddridg Cenferpoint Well No. I Strict McClellan Cenferpoint Well Andress Street City of Town The Address Street City of Town The Acte In McClellan County Doddridg Cenferpoint Well No. I Strict M	Address Sadelia, W. Va.	Addréss P. O.	. Box 99, Belpre	Ohio 45714
Address Sadelia, W. Va. Coal Owner I. B. Harbert Heirs Well No. Elevation 942 Address Sadelia, W. Va. Coal Operator None - no coal is being mined in this area. District McClellan County Doddride Centerpoint Address In this area. District McClellan County Doddride Centerpoint Address In this area. No. 2071 Address PERMIT MUST BE POSTED AT THE WELL SITE All provisions being in accordance with Chapter 22, all provisions are all provisions and present a first	Mineral Owner T. B. Harbert Heirs	Form T. B. Hark	pert	A awas : 85
Coal Owner T. B. Harbert Heirs Well No. 1 Elevation 2422 Address Saddlia, W. Va. District McClellan County Doddridg Coal Operator None - no coal is being mined Address in this area. PEIS PERMIT MUST BE FOSTED AT THE WELL SITE All provisions being in accordance with Chapter 22, of the N. Va. Code, the location is hereby approved of the N. Va. Code, the location is hereby approved of the N. Va. Code, the location is hereby approved of the N. Va. Code, the location is hereby approved of the N. Va. Code, the location is hereby approved. Beput Director - Oil & Gas Division GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fe title thereto, (or as the case may be) under grant or lease dated Dec. 8, 19 72 by Columbia Go: TransmissionCorp. made to RAMCO Oil & Gas Corp. and recorded on the day of Page X NEW WELL DRILL DEEPER REDRILL PRACTURE OR STIMULATE OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal owners are day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours. RAMCO OIL & GAS CORP. (Sign Name) by: Auditess Well Operator P. O. Box 99 Street Well Operator Cuty or Town	Address Sadelia, W. Va. Kar	Location (waters)	Round Bottom	Run/Millery C
District McClellan County Doddridg Quadrangle Centerpoint District McClellan County Doddridg Centerpoint District McClellan County Doddridge Centerpoint District McClellan District Di	Coal Owner T. B. Harbert Heirs			1 11
Call Operator None - no coal is being mined Address In this area. This premit wist reference with Chapter 22. All provisions being in accordance with Chapter 22. of the M. Va. Code, the location is neareby approved for Call and have not commenced by Deputy Director - 011 & Gas Division GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fee title thereto, (or as the case may be) under grant or lease dated Dec. 8, 19.72 by Columbia Gos TransmissionCorp. made to RAMCO Oil & Gas Corp. and recorded on the day of Page X. NEW WELL DRILL DEFER REDRILL FRACTURE OR STIMULATE OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5; 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address as me day with the mailing or delivery of this copy to the Department of Mines within ten (10) days. * Very truly yours, RAMCO OIL & GAS CORP, (Sign Name) by: Manually More and Coll operator well and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address of the material of the above named coal operators or coal owners at their above shown respective address of the decentary of this copy to the Department of Mines at Charleston, West Virginia, Very truly yours, RAMCO OIL & GAS CORP, (Sign Name) by: More and Charleston, West Virginia, Office the decentary of the coal office with the dease of the coal operators of the coal operator of the coal operat	Address Sadelia, W. Va.			
Address in this area. NSPECTOR TO BE NOTIFIED CLASSICS AT THE WELL SITE All provisions being in accordance with Chapter 22, of the M. Va. Code, the location is hereby approved for Leaves and the provisions have not commenced by Deputy Director - 0:1 & Gas Division GENTLEMEN: The undersigned well operator is entitled to drill upon the above named farm or tract of land for oil and gas, having fe title thereto, (or as the case may be) under grant or lease dated Dec. 8, 19.72 by Columbia Gas TransmissionCorp. made to RAMCO Oil & Gas Corp. and recorded on the day of 19, in County, Book Page X. NEW WELL DRILL DEEPER REDRILL FRACTURE OR STIMULATE OIL AND GAS WELL ORIGINALLY DRILLED BEFORE JUNE 5, 1969. The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address as me day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, RAMCO OIL & GAS CORP (Sign Name) by: Address Of Well Operator P. O. Box 99 Address Address Of Well Operator Belpre City or Town	Coal Operator None - no coal is being mined			
All provisions being in accordance with Chapter 22, of the N-Va. Code, the location is nereby approved for full value of the North Code, the location is nereby approved of the N-Va. Code, the location is nereby approved of the N-Va. Code, the location is nereby approved of the N-Va. Code, the location is nereby approved of the N-Va. Code, the location is nereby approved for full value is the nereby approved of the N-Va. Code, the location is nereby approved for full value is the N-Va. Code, the location is nereby approved for full value is the N-Va. Code, the location is nereby approved for full value is the N-Va. Code, the location is nereby approved for full value is the N-Va. Code, the location is nereby approved for full value is the N-Va. Code, the location is nereby approved for full value is the N-Va. Code, the location is nereby approved for full value is the N-Va. Code, the location is nereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address day before, or on the same day with the mailing or delivery of this copy to the Department of Mines at Charleston, West Virginia. Very truly yours, RAMCO OIL & GAS CORP. (Sign Name) by: Market Oil & GAS CORP.	Address in this area.		in the second se	M. W711.
The enclosed plat was prepared by a registered engineer or licensed land surveyor and all coal owners and/or operators have been notified as of the above date. The above named coal owners and/or operator are hereby notified that any objection they wish to make, or are required to make by Section 3 of the Code, must be received by, or filed with the Department of Mines within ten (10) days. * Copies of this notice and the enclosed plat were mailed by registered mail, or delivered to the above named coal operators or coal owners at their above shown respective address	THIS PERMIT MUST BE POSTED AT THE WELL SITE All provisions being in accordance with Chapter 22 of the W. Va. Code, the location is hereby approve for the W. Va. Code, the lo	above named farm or led and recorded o Page	tract of land for oil 19.72 by n the FRACTURE	and gas, having fee Columbia Gas day of
State	The enclosed plat was prepared by a registered engineer or have been notified as of the above date. The above named coal owners and/or operator are hereby not to make by Section 3 of the Code, must be received by, or file Copies of this notice and the enclosed plat were mailed by reor coal owners at their above shown respective address same day with the mailing or delivery of this copy to the Depart Vo. (S	licensed land surveyor of tified that any object d with the Department egistered mail, or delived the day of timent of Mines at Clary truly yours, RANGING Name by:	or and all coal owner of the second of the s	ake, or are required en (10) days. * amed coal operators before, or on the nia. S CORP

*SECTION 3.... If no objections are filed or found by the Department of mines, within said period of ten days from the receipt of notice and plat by the department of mines, to said proposed location, the department shall forthwith issue to the well operator a permit reciting the filing of such plat, that no objections have been made by the coal operators or found thereto by the department and that the same is approved and the well operator authorized to proceed.

<u>Nodd-1743</u> PERMIT NUMBER

THIS IS AN ESTIMATE ONLY ACTUAL INFORMATION WILL BE SUBMITTED ON OG-10 UPON COMPLETION

PROPOSED WORK ORDER TO	O X DRILL	DEEPEN	FRACTURE-STIMULATE	
DRILLING CONTRACTOR: (I				
NAME Hank Snow - Snow				
ADDRESS P.O. Box 426, S	O. Box 426, Salem, W. Va. ADDRESS Rt. #1, Box 174, C			
TELEPHONE (304) 782-13	356	TELEPHONE <u>(304</u>) 354-7657	
ESTIMATED DEPTH OF COME	PLETED WELL: 2295'	ROTARY X	CABLE TOOLS	
PROPOSED GEOLOGICAL FOR	RMATION: Big Injun			
TYPE OF WELL: OIL	GAS X	COMBSTORA	GE DISPOSAL	
			LOODOTHER	
		The state of the s	W A A A Del De Company	
TENTATIVE CASING PROGRA	ΔM:			
CASING AND TUBING	USED FOR	LEFT IN	CEMENT FILL UP	
SIZE	DRILLING	WELL	OR SACKS - CUBIC FT.	
20 - 16				
13 - 10 9 - 5/8				
8 - 5/8	830'	8301		
7	030	630	cemented to surface	
5 1/2				
4 ½		22951	3001	
3			Perf. Top	
2			Perf. Bottom	
Liners			Perf. Top	
			Perf. Bottom	
OF PLAT.		IT FEE, PERFORMANCE	BOND AND PERMANENT COPY	
TO DRILL DEEPER OR REDRI				
SUBMIT FIVE (5) COPIES WELLS DRILLED PRIOR MUST ALSO BE SUBMITI	TO 1929, A PERMANENT O	INAL PERMIT NUMBER A COPY OF THE PLAT ANI	AND PERFORMANCE BOND. ON THE ORIGINAL WELL RECORD	
TO FRACTURE - STIMULATE:				
OIL AND/OR GAS WELL	ORIGINALLY DRILLED BEFO T AND ORIGINAL WELL RE	ORE JUNE 5, 1929, FIVE (E	5) COPIES OG - 1, PERFORMANCE	
			929, FIVE COPIES OG - 1, SHOW-	
ING ORIGINAL PERMIT N	UMBER, AND PERFORMANCE	E BOND.	525, FIVE COLLEG CG - 1, SHOW	
Required forms must be fil	ed within ninety (90) days of	completion for bond releas	e. Inspector to be notified twenty-	
four (24) hours in advance.				
773 C 13				
The following waiver must thereof.	be completed by the coal op	erator if the permit is to b	e issued within ten days of receipt	
	ent fornent fornent fornent fornent fornent for		ner or Operator of the coal under	
We the			well being drilled at this location,	
			d 7, Chapter 22 of the West Virginia	
			A STATE OF THE STA	
			For Coal Company	

* Wiscial Title