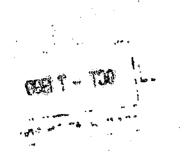
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							ATION FO			II STATU	IL CON	SERVAT	ON DIVISION				
	<u> </u>	I. Operator and Well															
	Operator name & address SONAT RATON, LLC											OGRID Number					
				I, LLO								180514					
		P.O. BOX 190 RATON, NEW MEXICO 87740															
	Contac	t Party	· · ·									Phone					
	-		IALD R. LA	ANKFOF								(505)-445-4621					
		ty Name	RK RANCH		'Δ')					Well Numbe	r	API Number 30-007-20130					
	UL	Section	Township	Range	Feet Fro	m The	North/South	h Line	Feet	From The	EastA	Vest Line	County				
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		Spud Date Spud Time Date Completed Pool 07/18/99 10:30 PM 09/22/99 09/22/99 000															
								_⊥ 5 showi	ina d	ate/time of	f drillin		nced and Form C-1	05 or			
		Attach copies of Form C-103 or Federal Form 3160-5 showing date/time of drilling commenced and Form C-105 or Federal Form 3160-4 showing well was completed as a producer.															
	IV.						with their p										
	V.																
	Ctate of New Mexico																
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								() 1	Л	Alin		im	nor	1			
		Notary Public															
My Commission expires: June 1, 2003 Notary Public FOR OIL CONSERVATION DIVISION USE ONLY:									1								
		<u></u>															
VI. CERTIFICATION OF APPROVAL:									ony horoof the Divis	ion							
	This Application is hereby approved and the above-referenced well is designated a New Well. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval.																
										- FF							
	Signati	Jre	11 1	1 n N			Fitle Ac	\cap				Τ	Date				
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	VII.	DATE (O THE S	ECRETA	RY OF THE	Ε ΤΑΧΑ	TION	AND REVE		DEPARTM	ENT: _//よう/4	79			
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NOTICE: The operator must notify all working interest owners of this New Well certification.

PVZV2007029763





Spent 2 Captor To Appropriate Dutation State of New Mexico Form C-103 Control Energy, Minerals and Natural Resources WELL API NO. Revised Control State of New Mexico Default 011 CONSERVATION DIVISION State of New Mexico Default 2040 South Pacheco State of New Mexico Default 2040 South Pacheco State of New Mexico SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease Name or Unit Agreement Name: DONOT USE THIS FOOM FOR PROGRAMS TO DEAL ROOK ON PLUG BACK TO A 7. Lease Name or Unit Agreement Name: VPROCALS SUNDRY NOTICES AND REPORTS ON WELLS 7. Lease Name or Unit Agreement Name: VPROCALS SUNDRY NOTICES AND REPORTS ON PLUG BACK TO A 7. Lease Name or Unit Agreement Name: VPROCALS SUNDRY NOTICES AND REPORTS ON PLUG BACK TO A 7. Lease Name or Unit Agreement Name: VPROCALS SUNDRY NOTICES AND REPORT TO NOTICE SUNDRY 7. Lease Name or Unit Agreement Name: VPROCALS SUNDRY NOTICES AND REPORT TO NOTICE SUNDRY 7. Lease Name or Unit Agreement Name: VPROCALS SUNDRY SUNDRY 7. Lease Name or Unit Agreement Name: VPROCALS SUNDRY SUNDRY 7. Lease Name or Unit Agreement Name:		-			•			
Disc. 1 Energy, Minerals and Natural Resources Revised March 25, 1929 Mineral T OIL CONSERVATION DIVISION WELL API NO. Disc. 1 2040 South Pacheco 3. Indicate Type of Lease Disc. 1 2040 South Pacheco 3. Indicate Type of Lease Disc. 1 2040 South Pacheco 3. Indicate Type of Lease Disc. 1 SUNDRY NOTICES AND REPORTS ON WELLS 5. Indicate Type of Lease No. CONTURE THIS FORM NOR IRCOROLL OR TO DEEPEN OR PLUG BACK TOA 7. Lease None or Unit Agreement Name: DIFFERENT REMOVE: US - PAULICATION FOR FULLING FOR SUCI 7. Lease None or Unit Agreement Name: Proof Sector 8. Well No 17 3. Address of Operator P.O. Box 190; Raton, NM \$7740 4. Well Location 8. Well No 17 3. Address of Operator P.O. Box 190; Raton, NM \$7740 4. Well Location 10. Elevation (Show whethe DR, RRB, RT, GR, etc.) Section 30 Township 32 N Range 20 E NMPM Colfax County 10. Elevation (Show whether DR, RRB, RT, GR, etc.) SUBSEQUENT REPORT OF: Elevation (Show Wether DR, RRB, RT, GR, etc.) Section 30 Township 32 N Range 20 E NMPM Colfax County 10. Elevation (Show Wethe		State of New Me	xico	*. *.	Form C-103			
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DataSult Samuel FC, NM 87303 6. State Oil & Gas Lease No. 2001 South Performance Support SUNDRY NOTICES AND REPORTS ON WELLS 7. Lase Name or Unit Agreement Name: DO NOT USE THIS FORM FOR PROFORMS TO DANLE OR TO DEEPNOR PRUD BACK TO A 7. Lase Name or Unit Agreement Name: DI WYELLS Other Coalbed Methane 7. Lase Name or Unit Agreement Name: 2. Name of Operator SONAT RATON, LL.C. 8. Well No 17 3. Address of Operator SONAT RATON, LL.C. 9. Pool name or Wildeat 4. Well Location Unit Letter		trict III 2040 South Pacheco						
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DD NOT USE THIS FORM POR PROPOSALS TO DRULL OR TO DEBERS NOR FUED BACK TO A DIFFERENT RESERVOR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS VPR * A" I Type of Well: Oil Well O as Well Other Coalbed Methane S. Well No 17 3. Address of Operator SONAT RATON, LLC. S. Well No 17 3. Address of Operator SONAT RATON, LLC. S. Well No 17 3. Address of Operator So. 190; Raton, NM 87740 S. Well No 17 4. Well Location Unit Letter_H:: 1427.31feet from theNorthIne and930.40feet from the	2040 South Pacheco, Santa Fe, NM 87505		0. State On & Gas Lease No.					
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3. Address of Operator P.O. Box 190; Raton, NM 87740 9. Pool name or Wildcat 4. Well Location Unit LetterH := 1427.31 feet from the North line and930.40 feet from the East line Section 30 Township 32 N Range 20 E NMPM Colfax County 10. Elevation (Show whether DR, RKB, RT, GR, etc.) 8031(OR) 11. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data NOTICE OF INTENTION TO:	-	RATON, L.L.C.		8. Well No. -1	7			
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COMPLETION CEMENT JOB OTHER: OTHER: 12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation. 07/18/99: MIRU Thornton Rig #1. Spud well at 10:30 P.M. 07/18/99: Drill 11" hole to 364'. Ran and set 8-5/8", 23#, Wc-50 casing at 349'. Cement with 100 sx. Circ. 30 sx. to surface. 07/20/99: Drill 11" hole to 2392'. Ran open hole logs. 07/21/99: RDMO Thornton Rig #1. MRU Completion Rig. Ran and set 5 ¼", 15.5#, M-50 casing at 2385'. Cement with 275 sx. Cement to surface as plug was bumped. 08/13/99: Ran CBL. Found TOC at 360' with good cement below. I hereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE TITLE Petroleum Engr. Hdui/Jur Type or print name Noel Putscher Type or print name Noel Putscher THLE DISTRICT SUPERVISOR DATE 9/2/79		CHANGE PLANS	COMMENCE DRI	LLING OPNS.				
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of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompilation. 07/18/99: MIRU Thornton Rig #1. Spud well at 10:30 P.M. 07/19/99: Drill 11" hole to 364'. Ran and set 8-5/8", 23#, Wc-50 casing at 349'. Cement with 100 sx. Circ. 30 sx. to surface. 07/20/99: Drill 7-7/8" hole to 2392'. Ran open hole logs. 07/21/99: RDMO Thornton Rig #1. MIRU Completion Rig. Ran and set 5 ½", 15.5#, M-50 casing at 2385'. Cement with 275 sx. Cement to surface as plug was bumped. 08/13/99: Ran CBL. Found TOC at 360' with good cement below. I hereby certify that the information above is true and complete to the best of my knowledge and belief. SIGNATURE TITLE Petroleum Engr. Hduilor DATE 9/1/99 Type or print name Noel Putscher Telephone No. (505) 445-4621 (This space for State us) APPPROVED BY MTTLE DISTRICT SUPERVISOR DATE 9/2/99	OTHER:		OTHER:					
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(This space for State use) APPPROVED BY RICHT TITLE DISTRICT SUPERVISOR DATE 9/2/99	/	14	γ	-	DATE 9/1/99			
(This space for State use) APPPROVED BY RICHT TITLE DISTRICT SUPERVISOR DATE 9/2/99	Type or print name Noel Putscher			Telephone No. ((505) 445-4621			
	(This space for State use)	Unim	DISTRICT SU					

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Submit 3 Copies To Appropriate District	State of I	New Me	xico		Ŀ	Form C-103			
office District I	Energy, Minerals	and Natu	ral Resources			March 25, 1999			
1625 N. French Dr., Hobbs, NM 87240				WELL API NO.					
District II	OIL CONSERV	DIVISION	30-007-20130						
HI South First, Artesia, NM 87210 District III	2040 So			5. Indicate Type of Lease					
1000 Rio Brazos Rd., Aztec, NM 87410	Santa Fe				ATE 🛛 FEE	stite.			
District IV 2040 South Pacheco, Santa Fe, NM 87505	Salita FC	, INI VI 0 7	303	6. State (Dil & Gas Lease No),			
SUNDRY NOTIC	ES AND REPORTS ON	VWFIIS		7 Lease N	ame or Unit Agree	mant Nome			
DO NOT USE THIS FORM FOR PROPOSA				VPR 'A'		ment Name.			
DIFFERENT RESERVOIR. USE "APPLICA	TION FOR PERMIT" (FORM	M C-101) FC	OR SUCH						
PROPOSALS.)					÷				
Oil Well Gas Well	Other Coalbed M	Aethane		1					
2. Name of Operator		retilane	<u>_</u>	8. Well No	17				
SONAT	RATON, L.L.C.		· · · · · · · · · · · · · · · · · · ·						
3. Address of Operator	100 D	10		9. Pool na	me or Wildcat				
P.O. Bo 4. Well Location	x 190; Raton, NM 8774	40							
Unit LetterH_:1427.3	Ifeet from the	Nort	h line and	930.40	feet from the				
_Eastline			-						
Section 30	Township	37 N	Range 20 E		NIMENA College				
Section 30	rownsnip.	97 IN	Range 20 E		NMPM Colfax				
	10. Elevation (Show w	whether DI	R, RKB, RT, GR, et	c.)					
	8063'(GF	<u>R)</u>			and the second se				
11. Check Ap	propriate Box to Inc	dicate Na	ature of Notice,	Report or (Other Data				
NOTICE OF INT	ENTION TO:		SUE	SEQUEN	T REPORT OF	- :			
			REMEDIAL WOR						
TEMPORARILY ABANDON	CHANGE PLANS		COMMENCE DR	ILLING OPNS					
		Ċ-)			ABANDON	IMENT			
PULL OR ALTER CASING	MULTIPLE COMPLETION		CASING TEST A CEMENT JOB	ND					
DTHER:	· _ ·		OTHER:		COMPLETION	38 			
2. Describe proposed or completed									
of starting any proposed work).	SEE RULE 1103. For M	Multiple C	Completions: Attac	h wellbore di	agram of proposed	completion			
or recompilation.									
Perforate 2267 – 2271 W/4 SPF.	150 000 H 6 1								
Fracture Treat perfs 2267 – 2271 W	100,000 los of sand.								
Set RBP @ 2245'. Perforate 2191 – 2195, 2209 – 2211	2216 - 2218 W/A SPF								
Fracture Treat perfs $2191^{\circ} - 2218^{\circ}$									
Set RBP @ 2120'.	1100,000 103. 01 Suite.								
Perforate 2047 – 2051, 2078 – 2083	W/ SPF.								
Fracture treat perfs 2047 – 2083 W/									
Clean out to 2383'									
Run production equipment (PC Pun	ιp).								
				, <i>,</i>					
	- 1		<u> </u>						
hereby certify that the information	above is true and comple	ete to the l	best of my knowled	age and belief	Γ.				
SIGNATURE Ten de April 14	Mark Shames	TITLE	Sr. Petroleum Er	ngineer	DATE09/30/	99			
/ /									
Type or print name Donald R. La	nkford			Telephone No	b. (505) 445-4621				
(This space for State use)	n D					<i>(</i> ,			
COMPROVIDE DV / K. SI	drage-	The second	STRICT SI	JPEP\//S		7/30/99			
APPPROVED BY ()9C	0000000					1100111			
Conditions of approval, if any:									

Submit To Appropria State Lease - 6 copies		Mice		S	State of New M	exic	o				•	Form C-10		
ee Lease - 5 copies			Ene	ergy, N	Minerals and Nat	urai	Resources	,	Revised March 25, 199					
istrict I 525 N. French Dr., Hobbs, NM 87240								1	VELL API	NO. 30-	-007-201	30		
	strict II OIL CONSERVATION DIVISION								. Indicate	fune of I	0000	····		
<u>District III</u> 000 Rio Brazos Rd.,	Aztec NM	87410			2040 South Pac		-	-	STA	TE 🔲	FEE			
District IV District IV Santa Fe, NM 87505									STATE FEE State Oil & Gas Lease No.					
			R RECO	MPL	ETION REPOR	TA	NDIOG							
a. Type of Well:		GAS WELL			OTHER_COALBED			7	. Lease Nan		Agreement R'A'	Name		
b. Type of Comp NEW	WORK	- - 1			DIFF.					· · · - ·				
WELL OVER DEEPEN BACK RESVR. OTHER											17			
ONAT RATC								8	. Well No.		17			
Address of Oper O. BOX 190, R		M 87740	<u> </u>		- ,		· · · · · · · · · · · · · · · · · · ·	9	. Pool name or	Wildcat		· · · ·		
Well Location												<u> </u>		
			•				·							
Unit Letter	H	:1427'_	Feet Fr	om The	NORTHLine ar	1d	_930'	Fee	From The	EAST		Line		
Section 3				32N	Range		0E	NM				County		
). Date Spudded	11. Date	e T.D. Reach	ed 12. E	Date Cor	npl. (Ready to Prod.)	T	13. Elevations (DF, R	B, RT, GR, etc	.)	14. Elev.	Casinghead		
07/18/99		07/20/99		09/22/99				8063	8063'_(GR)		8062' (GR)			
5. Total Depth	ī	6. Plug Back			Multiple Compl. How N	Many		als	Rotary Tools	D	Cable 7	Fools		
2392' 9. Producing Inte	rval(s), of	238 this completi	on - Top, Bot	tom, Na	nes?		Drilled By	<u>v_l</u>	0-1		irectional S	NONE Survey Made		
267'-2271'; 220)'-2211'; 2	2216'-2218';	2191 - 2195'		,							10		
047'-2051'; 207		Logs Run			VERMEJ	000	ALS	T	22. Was Well	Cored	· · · ·	<u> </u>		
			DG; COMPE	NSATE	D DENSITY LOG; CB	L			22. Trus Trun		NO	·		
.3.					SING RECOR	D (I								
CASING SIZ	E	WEIGHT			DEPTH SET		HOLE SIZE		CEMENTING			MOUNT PULLED		
<u>8 5/8"</u> 5 ½"		23		351'		7 7/8"			100			<u>NONE</u>		
<u> </u>				 `			1 //0	{-	27.	,				
			······								1	· · ·		
4.				LIN	ER RECORD			25.		UBING R				
IZE	ТОР		BOTTOM		SACKS CEMENT	SCR	LEEN	SIZE		DEPTH		PACKER SET		
	+		·		<u> </u>			<u> </u>	2 7/8"	22	272'			
6. Perforation	l record (int	erval size a	d number)		L	27	ACID, SHOT	FRA	CTURE CE	L MENT S	OUFEZE	FTC		
267'-2271'	2047`-205	ar	in manoery	SHOT			TH INTERVAL		AMOUNT A					
209'-2211' 216'-2218'	2078-208	3.		.48" DIA. HOLES			2047'-2271'		1500 gals o	f71/2%	HCL; I	HCL; 142,000 lbs of 20/4 1,568,000 scf of N2.		
191'-2195'			80 HOES TOTAL								; 1,568,0			
									(70 quality	foam)				
8						-	CTION							
Date First Product	lion	P	oduction Me	thod (Fl	owing, gas lift, pumpin 30-N-095 PC PUM		ze and type pumj	リ	Well Status		shut-tn) PRODUCI	NG		
10/0	1/99								1					
Date of Test 9/27/99	Hours	Tested 24	Choke Size	•	Prod'n For Test Period	Oil -	- Bbl	Gas	- MCF TSTM	Water - 1	Bbl. 125	Gas - Oil Ratio		
Flow Tubing		Pressure	Calculated	24-	l Oil - Bbl.	L	Gas - MCF	ч <u>–</u> ч	/ater - Bbl.	- Oil	Gravity - /	 API - <i>(Corr.)</i>		
ress.		7 psi	Hour Rate				TSTM	1	125					
9. Disposition of	Gas (Sola	l, used for fue	, vented, etc.	,	1	l				Test Witne	ssed By			
USED FOR FUE	L AND VI	ENTED THE	<u>N2</u>							LARRYC	ASEY			
30. List Attachme	nts				······································		· · ·				·, ,	,		
IT .I hereby cer	ify that t	he informat	ion shown o	n both :	sides of this form as	true d	and complete t	o the l	best of my know	wledge a	nd belief	······································		
Der	Land	Kfry ,	ky n.	P	rinted									
Signature	un ,	ni n	101		ame DON LA	NKI	FORD TI	tle S	R. PETRÒI	LEUM E	NGINEF	ER Date 09/30/99		
		1. Bik	Stur	10										
		<u> </u>	-	~										

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATI Southeastern New Mexico Northwestern New Mexico

T. Ojo Alamo T. Penn. "B" T. Anhy T. Cauyon T. Kirtland-Fruitland T. Penn, "C" T. Salt T. Strawn T. Atoka T. Pictured Cliffs T. Penn. "D" B. Salt T. Leadville T. Yates T. Miss T. Cliff House T. Devonian _____ T. Menefee T. Madison T. 7 Rivers T. Silurian T. Point Lookout T. Elbert T. Queen T. Montoya T. Mancos T. McCracken T. Grayburg T. Simpson T. Gallup T. Ignacio Otzte T. San Andres T. Glorieta T. McKee **Base Greenhorn** T. Granite T. Paddock T. Ellenburger T. Dakota T Raton – Surface ____ T. Blinebry T. Gr. Wash T. Morrison T. Vermejo – 2039' T_Trinidad - 2297' **T.Tubb** T. Delaware Sand T.Todilto T. Drinkard T. Bone Springs T. Entrada T. Pierre – NR T. Wingate Τ. T. Abo T. T. Wolfcamp Т.____ T. T. Chinle T. Permian **T**. 1 T. Penn T. T. T. Penn "A" T. Cisco (Bough C) T. OIL OR GAS SANDS OR ZONES a an a construction of No. 1, from.....to..... No. 3, from.....to..... No. 2, from......to...... No. 4, from.....to..... IMPORTANT WATER SANDS $(1+1)^{-1} = (1+1)^{-1}$ Include data on rate of water inflow and elevation to which water rose in hole. · · ъŤ

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	То	Thickness In Feet	Lithology	·	From	То	Thickness In Feet	Lithology
and according to the second		· · · · · · ·		,				
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							a na sa	
		· .						i den ingen som en s En som en som e
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Sonat Raton P.O. Box 190 Raton, NM 87740

Oct. 6, 1999

NOTICE OF GAS CONNECTION

This is to notify the New Mexico Oil Conservation Division that connection for purchase of gas from Sonat Raton's Vermejo Park Ranch Well No. A-17, meter station no. 'A-17' located in unit letter H, Section 30, Township 32 North, Range 20 East, Colfax County, New Mexico, 160 acre area, was made on 09/22/99, by Sonat Raton, L.L.C. First delivery date: 10/1/99.

Purchaser: Sonat Raton, L.L.C.

Representative: ____R La

Title:

Facilities Engineer

Sonat Raton, L.L.C. P.O. Box 190 Raton, New Mexico 87740

October 5, 1999

Mark Ashley New Mexico Oil Conservation Division 2040 S. Pacheco Santa Fe, NM 87505

Mark:

The subject well, as well as all wells within the Vermejo Park Ranch have the following Working Interest:

Sonat Exploration: Devon Energy: 75.000 % 25.000 %

Respectfully,

DR La ra

Don Lankford