U. S. Land Office Santa Fe Serial Number SF 079161 LEASE OR PERMIT TO PROSPECT .....

JUL 1 8 1963 UNITED STATES

26M OIL COM DEPMENT OF THE INTERIOR GEOLOGICAL SURVEY

				LC	OG OF	OI	L OR G	AS W	/ELL	io w or <u>.</u>	
	WELL CO										
Company	Comp	ass.	Explorati	on, In	Ç Ad	ldress 🕹	01 Univers:	ity Biv	d.		
							in-Dakota				
Well No2	. <b>-9</b> S	ec9	T. <b>26N</b> R	. <b>7W</b> M	eridian	IMPM	Cour	nty R	lo Arr	1Da 50701	
Location _1	450 ft.	$\begin{bmatrix} \mathbf{A} \mathbf{K} \\ \mathbf{S} \end{bmatrix}$ of	N Line a	nd 1450	ft. $\left\{ egin{array}{c} \mathbf{E} \\ oldsymbol{XX} \end{array}  ight\}$ of .	W Li	ne of Section	on 9	Eleva	tion	
The int	formation n be dete	n give	n herewith is ed from all av				cord of the we		work d	one thereon	
Date Jul	v 11.	1963			Signed		Title Mana	ger of	Explo	ration n	
			page is for t		tion of the	well at	above date.	nd Prod	iuction	n	
The su	inmary o	и шь	April	30	19 63 F	inished	drilling	May	19	19.63	
Опшенсес	1 tilling				SAS SAND					,	
					(Denote gas l	$(\mathbf{G})$					
							om 6645				
•							om				
No. 3, from	6626	<u> </u>	to	636 (0	<u> N</u>	o. 6, fro	om	to			
		_	1	MPOR1	TANT WA	TER S.	ANDS				
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No. 2, from	l		to		N	o. 4, fro	om	to	)		
				,	SING RE						
Size Wei	ght foot	hreads p inch	er Make	Amoun	t Kind of	shoe Cu	it and pulled from	Ty Perfor	To	Purpose	
8-5/8"11.5	28#	e rd	anls.	[OL #32	O! Tex p	att.	of read, position,	Filases pos	oj imaski	Supince	
		8 rd 8 rd	التنبية بالتياتيط عندا للمادا	11 11 2 2 1	<u> </u>	Z	now so te in dete teon the casion in diffinition of		6666	Production	
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							DECORD.				
		1	MUDI	DING A			RECORD	1	<del></del>		
casing	here set	N	umber sacks of co	ement		thod used Mud gravity Amount of mud used					
8-5/8	331'		225		displac	ement			<b></b>		
45" 6	9 <b>56*</b>	lst	st. 320	s <b>a</b> x	<del></del>				_		
<u></u>		2nd	st. 200								
Hooving pl	ua-Mat	orial	-		S AND A		ers L	epth set		•	
	_										
Adapters	141.40011.41				OTING F						
Size Shell used Explosive use		ısed	Quantity Date Depth sho		Depth shot	t Depth cleaned out					
NCF II	Je	t	-	<del>-</del>		6-22	6518-66	66 6	9231 1	PBTD	
Rotery tool	ls were 11	sed fro	om surfa	ce feet	to 6973	(TD) fee	et, and from		feet to	feet	
_							et, and from				
Cable tools	word abo	u 11 0			DATES		,				
	Ju	ne 8	, <sub>19</sub> <b>63</b>		Pu	ıt to pr	oducingIn	itial	Potent	<b>ial</b> , 19	
The pr	oduction	for t	he first 24 h	ours was		barrels	of fluid of whi	ch	% was	oil;%	
emulsion; -	% w	ater; a	and% se	ediment.			Gravity, °Be	ś			
If gas	well, cu.	ft. per	r 24 hours	1360	Ga.	llons ga	soline per 1,00	0 cu. ft.	of gas		
Rock p	pressure,	lbs. p	er sq. in. 2	282 SI	CP						
			mpany		EMPI OV					ווי כו	
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PaATO N		700	lpusher	,			·			, Driller	
					<u> </u>	FORMATION					
FROM-		TO-		OTAL FEI					3124		
Surface 2145'		2145' 2145' 2230' 95'			Tertiary - Cretaceous/Undifferentiated Pictured Cliffs - sand						
22301	3	3773' 1543'		Le	Lewis - shale w/some siltstone						
3773 <sup>1</sup> 4605 <sup>1</sup>	•	4605' 832' Masaverde - sand, shale, coal 5571' 966' Mancos - shale, w/some siltstone									
5571'		6173' 602' Gallup - siltstone, shale									
6173'		6399' 226' Lower Mancos - shale									

	FORMATION RECORD								
FROM-	то	TOTAL FEET	FORMATION						
Surface	21451	21451	Tertiary - Cretaceous/Undifferentiate						
2145'	22301	951	Pictured Cliffs - sand						
22301	3773'	1543'	Lewis - shale w/some siltstone						
3773'	46051	8321	Mesaverde - sand, shale, coal						
46051	5571'	9661	Mancos - shale, w/some siltstone						
5571'	6173'	602'	Gallup - siltstone, shale						
6173'	6399'	2261	Lower Mancos - shale						
6399'	64581	591	Greenhorn - shaley limestone						
64581	6517'	591	Graneros - shale						
6517'	6923'(TD)	4061	Dakota - sand (pay zone) shale						

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## FORMATION RECORD—Continued

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			A CONTRACTOR OF THE STATE OF TH	<ul> <li>John Steiner (1997) Steine der Steine (1997) Steine der Steine (1997)</li> </ul>

## HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

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