Fig. 1. N

U. S. LAND OFFICE Senta Fe
SERIAL NUMBER 077107-A LEASE OR PERMIT TO PROSPECT

## UNITED STATES

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

 $\mathbb{Z}/E^{\prime}Y$ υÓ

## LOG OF OIL OR GAS WELL

LOCATE WE	LL CORF	RECTLY			<b>J.</b> (			· AU	v Lilij		
company El	Paso N	atural Ga	as Company				ox 997, Fa			Mexico	
essor or Trac						Azte	e Pietured	Cliffa	<u>&amp;</u>		
			N R.SW N	Aeridia	ınN.	M.P.	<b>M.</b> Cot	intyS	an Jua	<u>n</u>	
			ine and 9 <b>90</b>					· <del>-</del>			
	(~	,	rith is a com	4	<del></del>				(Derrick	HOOF PERMITTE TO BOX 16VEL)	
			all available		_		RIGINAL SIGN				
) <sub>ate</sub> June	20, 10	59		Signe	d		mu Pe	troleum	Engin	.I <b>5er</b>	
•			for the cond	lition o	of the we	11 64 6				~=	
	<u> </u>		18					5-4-		1059	
ommeneca a	immg		OIL OR				-			, 108-6	
		•		(Denot	te gas by G	) ::	-;	•			
			33/0			14.0	~				
			49:37								
[o. 3, from]	4937	to	5512	( <b>a</b> .)	No. 6	, fron	a	to	) <u>-</u>		
		23%	4 1 7				NDS				
			hm'								
lo. 2, from		to	****	٠.	•			to	)	*	
•			·		RECO		* 15.0	Perfo	estad	-	
Size Weight casing per foot	Thres in	ads per N	lake Amou	nt K	ind of shoe	Cut	and pulled from	From-	То-	Purpose	
3/4 32.7			1. 16		OVCO	-				Surface	
1/2 15.50	مشخافات بالأناب		5 34,91 5 23.6		aker -			S		Prod. Line	
			::						ļ	Prod. Tubi	
1/4 2.4	8 Rd 8 Rd		55 5677! 1e"A" 3298			-		· · · · · · · · · · · · · · · · · · ·		1	
<u></u>			IUDDING A	ND C	EMENT	ING	RECORD			<del>· · · · · · · · · · · · · · · · · · · </del>	
Size Wher	e set	Number sac	eks of cement	M	ethod used		Mud gravity	Ar	nount of n	nud used	
	71 '		108	Circ	ulated						
5/8" 3	153		110	Sing	le Sta	<b>50</b> <sup>:</sup>					
1/2" 338	<b>-577</b> +		-313	Sing	le Sta	<b>38</b> &-	Squee#e				
	:				ID ADA			:			
dapters—Ma	terial							set at	3488!		
				<del>-</del>	NG REC	Date			The Alberta		
	Shell used		Explosive used						Depth cleaned out		
			See Wall	Hist	L L			9			
	4										
_				TOOL	LS USEI	•	1.4	Gas I	rilled		
			175 fee								
able tools we	re used fi	rom	<b>.0</b> fee		175 ATES	_ feet	, and from		teet to	feet	
	5 <b>-1</b>	3	19. <b>59</b>			o prod	lucing			, 19	
	-	•	24 hours was	S		_	_				
•			-% sediment.							·	
			PC-2,956 NV-2,199		Gallon	s gasc	oline per 1,00	00 cu. ft.	of gas		
		s. per sq. ii			<b>A</b> .O.1	7. =	PC-3300; 1	MV 2496	MCF/D		
					LOYEES	5		•	•		
			, Drille							, Driller	
			, Drille							, Driller	
	<del></del>				ION RE	CORI			<del></del>		
FBOM-		то-	TOTAL FE		FORMATION						
0	2230		2230		Tan to	Tan to gry cr-grn ss interbedded w/gry sh.					

FROM-	то—	TOTAL FEET	FORMATION
0	2230	2230	Tan to gry cr-grn ss interbedded w/gry sh.
2230	<b>23</b> 58	128	Ojo Alamo ss. White cr-grn s.
<b>23</b> 58	<b>30</b> 20	662	Kirtland form. Gry sh interbedded w/tight gry fine grn ss.
3020	3252	232	Fruitland form. Gry carb sh, scattered coals coals and gry, tight, fine-grn ss.
3252	3370	118	Pictured Cliffs form. Gry, fine-grn tight, varicolored soft ss.
3370	4905	1535	Lewis formation. Gry to white dense sh w/silt to shaly as breaks.
4905	4937	32	Cliff House ss. Wry, fine-grn dense sil ss.
4937	5542	605	Mensifee formation Gry, fine-grn s, carb sh & coals.
5542	5664	122	Point Lookout form. Gry, very fine sil ss w/frequent sh breaks.
5664	5776	112	Mancos formation. Gry carb sh.
\$400.00	,LC-	1. 心脏 生生 私勤企品	[OVER] 24.8.95.7/4.7/2 16-43094-4

## FORMATION RECORD—Continued

FROM—	то-	TOTAL FEET	FORMATION FORMATION
	[ ]		
		:	
	5		
-			The state of the s
		:	
		· ·	
	. •		
	-		
			•
			58 F 1752
	·	-	
		<u> </u>	· · · · · · · · · · · · · · · · · · ·
		191	the state of the s
3 · · · · · · · · · · · · · · · · · · ·	e gereti.	27	
			A strategies of a contract of the strategies of
			Television (State of the Control of
•	To the term of the control of	The field that Mark	
	•		
A Africa San San San San San San San San San Sa	A Depth Control of	·- ·- ·	्राहरू राज्यात्रक विकास सम्बद्धाः स्थापना स्थ
	Maria de la companya	837	
		1	
			to the second of the second o
÷ 5.		· · · ·	
	i		

## 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 brilling.

5-8-59 Total Depth 5776'. C.O.T.D. 5726'. Water frac. Point Lockout perfs. 5546-56; 5604-18; 5654-64; 5696-5706 v/2 DJ/ft. v/45,000 gal. water, 50,000# sand. BD pr. 1100#, max. pr. 1500#, sre pr. 1100-1200-1400-1500#. I.R. 85 BFM. Flush 10,500 gallons. Dropped 2 sets of 20 balls and one set of 10 balls for 4 stages.

5-8-59 T.D. 5776'. Bridge plug at 5500', water fractured Menefec perfs.
5274-84; 5322-38; 5428-38; 5444-54 W/2 DI/ft. w/45,100 gallons water and
50,000# sand. BD pr. 1300#, max. pr. 2100#, Tr. pr. 1800-1700-1800#.
T.R. 68 BPM. Flush 10,500 gallens. Dropped 3 sets of 20 balls for four stages.

5-8-59 T.D. 5776', bridge plug at 5000', water fractured Pictured Cliffs perfs.
3258-66; 3270-90 W/2 DJ/ft. w/35,000 gallons water and 35,000# sand.
BD pr. 1500#, max. pr. 2500#, tr. pr. 1300-2500#. I.R. 60 BFM. Flush
8400 gallons. Dropped one set of 20 balls for 2 stages.

Communication appears from the control of the contr

A production with the compart of the state of the com-

The figure of the first of the