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Budget Bureau No. 42–R355.4. Approval expires 12–31–60.

U. S. LAND OFFICE Santa Pe LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR CEIVED

GEOLOGICAL SURVEY

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LOG OF OIL OR GAS WELL

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· "我是我们,"				- F	F ield	Ta .		- 1	New M			
Well No) 1	Sec. 21	T 28N R.	. 13% . Meri	idian	.P.M.	Cou	nty .Sa	n-Juan			
Location _990 ft. N. of Line and _990 ft. W. of Line of Section 21 Elevation _601.9												
The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.												
Signed												
Date July 28, 1958												
The summary on this page is for the condition of the well at above date.												
Commenced drilling												
(Denote gas by G)												
No. 1, from to												
No. 2, from to												
No. 3, from to to												
No. 1, from to No. 3, from to to												
					No. 4	•						
No. 2, 1	::		t		ING RECO	4 2		1 ,	14 N	Aver 10 e		
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		<u>-</u>	NAT IFY	DINC AND	D CEMENT	INC	RECORD	' <u></u>	;	<u>;</u>		
Size					Method used		Mud gravity		mount of n	and used		
casing	Where s	et Nu	mber sacks of c	ement	Materior deca	_		-				
	49		sacks Sa	lliburto	n No. 1 p	ug						
5-1/2"	6381	210	SACKS DA	TIDHLES	n No. 2 p	Lug						
					AND ADA							
Size	Size She		eli used Explosive u		Quantity	Date Depth shot		;	Depth cleaned out			
						<u> </u>						
Roter	z tools w	ere used fro	m	_	OOLS USE		, and from		. feet to	feet		
Cable	tools wer	e used from	0	feet t	to	feet	, and from -		feet to	feet		
Comple	eted as	pumping	oil well		DATES		luoin-			10		
Undest	enated	-Callup I	'teld', 18		Put t	o proc	iucing f_fluid_af w	Ju	ly 14	oil:%		
			$\frac{1}{2}$ nd $\frac{1}{2}$		95	• • • • • • • • • • • • • • • • • • •	Gravity, °I	z- to-ta 36	•7	oil;%		
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		313	1735 135 3133 139 3189 50 4082 895		Lewis sand & shale.							
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FORMATION RECORD—Continued									
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16-43094-2 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 "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.

USA C. J. Holder Well No. I was spudded on February 15, 1958, and on Rebruary 16, 1958, 8-5/8" easing was set at 495' with 400 sanks of cement. After waiting on cement for 24 hours, casing and water shut-off were tested with 500 pounds pressure for thirty minutes, which held with no drop in pressure.

5-1/2" casing was set at 6381' with 160 sacks 6% gel cement and followed by 50 sacks neat cement. Top cement at 4875' by temperature survey. After waiting on cement, casing was tested to 2500 pounds pressure for thirty minutes, which held with no drop in pressure.

Perforated two shots per foot 6796-6336. Spotted 1000 gallons mud out acid on bottom and sand-fracked with 25,000 gallers water and 25,000 pounds sand. Used 25 gallons Hyflo in first 100 barrels of free. Formation broke at 2600 pounds. Average injection rate 38 barrels per minute. After testing, showed t is zone to be non-commercial, Baker cast iron retainer was set at 6268 and squeezed perforations 6296-6336 with 150 sacks of cement. Perforated four shots per foot 6200-6209, 6239-6246. Sand-water fracked with 15,000 gallons water and 15,000 pounds sand. Formation broke at 2000 pounds. Average injection rate 30 barrels per minute.

After extensive testingy the Dakobs formation proved to be non-productives. This well was plugged back to a total depth of 6150' and completion was attempted in the Callup formation. . H.

Perforated Gallup with two shots per foot 5508-5685. Spotted 500 gallons 15% and cut acid over perforations. Sand-oil fracked with 60,000 gallons bil and 80,000 pounds sand, Fernation broke at 2200 pounds; average injection rate 38 barrels per minute. Injected 150 rubber balls in 6 stages of 25 each during frac for selective treatment. 2" tubing landed at 5681'. Ran rods and pump.

Pulled tubing, attempted to perforate but well started flowing by heads. Killed well by pmping oil down casing. Perforated with two shots per foot 5335-5420. Retrievable bridge plug on tubing set at 5455'. Spotted 500 gallons 15% mad cut acid over perforations. Sand-oil fracked with 40,000 gallons oil and 40,000 pounds sand. Used 25 gallons syrlo in first 100 barrels treatment. Formation broke at 2000 pounds. Injection rate 40 barrels per mittable. Injected 25 Salt sealers after 13,000 gallons and 25 after 26,000 gallons. Foled retrievable bridge plug set at

5455'. landed 2" tubing at 5681'. Completed as pumping oil well, Undesignated Gailup Field, July 27, 1958. Potential

tent pumped 95 barrels oil per day, 14-46" strenge per m mute. Gas-oil retto 350,

gravity 40.40 API.