U. S. Land Office Nava 10 Tribal
Serial Number
Lease or Permit to Progress

UNITED STATES DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOC	ATE WELI	L CORRECTLY			<u> </u>				
Compa	ny Pan	imarican Pe	troleum	Corpora	tion Addres	30x 487, a	mingtor	. Hew	Mexico
Lessor	or Tract	USG Section	n 19		Field F	ogback-Pennay.	vastate) en	Sexi.co
			•			P.S. Cou	•		
Locatio	on .1850 .	. ft. $\left\{egin{smallmatrix} ext{N.} ext{s.} ext{of}\mathbf{s} \end{array} ight.$	Line an	d -790 ft.	of	Line ofSec	ion 19	Elev	ation _5104_ k floor relative to sea level)
Th	ne inform	na.	erewith is	a complet ilable rec	te and correctords.	t record of the we	ell and all	work	done thereon
				·	gned				
		ne 16, 1958			0 . 1 11		ield-iu	æri nt	endent
						at above date.			10
Comme	enced dri	lling Fobr				ed drilling p	ecomper	-54	, 19 57
			OII		AS SANDS O Denote gas by G)	R ZONES			
No. 1,	from	6396	to64	•	, - ,	from 6936 .	to	74)36-G
No. 2,	from	6530	to65	70-0	No. 5,	from	to	٠	
No. 3,	from	6643	to66	59	No. 6,	from	to		
				=	NT WATER	SANDS			
No. 1,	from	****	to		No. 3,	from	to	·	
No. 2,	from		to		No. 4,	from	to		
				CAS	ING RECOR	RD			
Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perfor From	ated To—	- Purpose
12.2	0 9E 6	olan loand		007					burface
7 7 8 8		Slip Joint			Cardo			,-,	intermediat
7	20	SRT	Wathers CP&I	1 7645	Cuide				til String
7 1	> 	OR1	0187	1970		-		 	TALLY I
			MUDD	INC ANI	D CEMENTI	NG RECORD			
Size							<u> </u>		
casing	Where s	set Numb	er sacks of cer	nent	Method used	Mud gravity	AI	aount or	mud used
13-3/	251		cks del	liburto	n 2 lug				
-9-5/	e 2157 5613	625 84 475 44	icks al	liburto:	n 2 Plug n 2 Plug		-		
5	7035	210 6	eke sal	liburia	AND ADAP				
Heavir	ng plug—	Material				I	Depth set		
					_				
					TING REC				
Size	sı	heil used	Explosive us	eđ	Quantity I	Pate Depth shot		Depth cle	aned out
-1-2						flant, Shipro	nk	Mar di	eo. on Janua
aconn 27. I	ected w	complete	esting	or well	Wile fur	nishing supply	of hel	lum-b	earing notur
gas t	o olant	•			OOLS USED				
Rotary	tools we	ere used from	· · · · · · · · · · · · · · · · · · ·			feet, and from		feet to	ofeet
						feet, and from			
					DATES				
well	Janu	conednast	, 1958		Put to	producing Jan			
T	he produ	ction for the f	irst 24 ho	urs was	-148 barr	els of fluid of whi	ich 56.	\mathbf{r}^{0} was	s oil;%
emulsi	on;	% water; and	% sec	diment.					
${f I}{f f}$	gas well,	, cu. ft. per 24	hours	ፓለል የለ		gasoline per 1,00	0 cu. ft.	of gas	
\mathbf{R}	ock press	sure, lbs. per s	q. in	00 (hg	tal carin	g pressure.)			
					WIFEO I EES	J. S. Sile:			, Driller
100	enner	tv				J. S. ile:	7 		, Driller
Cly	rde ag	roner		FORM	ATION REC				
FB	ом-	то-	Т	OTAL FEET		FOR	MATION		
645		754		109	(reen	horn			
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FORMATION RECORD—Continued

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FORMATION		TOTAL FEET	-o r	

of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and number of bailing.

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HISTORY OF OIL OR GAS WELL

USG Section 19 Well No. 17 was spudded on September 20, 1957, and on September 21, 1957, 13-3/8" easing was set at 251 feet with 125 sacks of 8% gel and followed by 125 sacks of cement. After waiting on coment for 24 hours, easing and water shut-off were tested with 500 pounds pressure for thirty minutes, which held with no drop in pressure.

9-5/8" easing was set at 2157' with 500 sacks 4% gel cement and followed by 125 sacks neat cement. After waiting on coment for thirty-six hours, easing and water shut-off were tested with 1000 pounds pressure for thirty minutes which held with no drop in pressure.

7" casing was landed at 5613' and comented with 400 sacks 6% gel cement and followed by 75 sacks neat coment. After waiting on coment for 72 hours, 7" casing was tested with 1100 pounds for thirty minutes, which held with no drop in pressure.

A 5" 15 pound liner was run with Baash-Ross pack-off type liner hanger and set at 5486-7035' with 210 sacks of coment. After waiting on coment, easing was tested with 1100 pounds pressure for thirty minutes, which held with no drop in pressure.

Perforated with four shots per foot 6530-6570 and 6643-6659. Spotted acid over perforations and set packer at 64901. Acidised with 1500 gallons 15% regular acid. Breakdown pressure 1250 psi, treating pressure 1500 psi, injection rate 2 barrels per minute. Tested 6450 MCFPD, 32 BOPH, 17 BMPH. Set packer at 6459' and squeesed both sets perforations with 150 sacks coment. Re-squeezed with 150 sacks coment to 4400 pei. Drilled solid cement to 6663 and cleaned out to plug back depth 6700'. Re-Perforated with four shots per foot 6643-66591. Spotted acid and set packer at 6612. Acidised with 500 gallons 15% acid. Breakdown pressure 2900 psi, treating pressure 1600 psi, injection rate two barrels per minute. Tested 2620 MCFPD, 60 BARRELS oil per hour, no water. Re-perforated with 4 shots per foot 6530-6570. Set retrievable bridge plug 6620'. Spot ted acid and set packer at 6472'. Addised with 1000 gallens 15% acid. Breakdown pressure 1700 pal, treating pressure 1900 psi, injection rate 3-1/2 barrels per minute. Tested 5100 MCFPD, 25 barrels oil per hour, 3-1/2 barrels water per hour. Set magnesium bridge plug 6620 and packer at 6510 and squeezed some with 200 sacks essent to 4500 psi. Drilled solid cement 6517-6610. Re-perforated with two shots per feet 6530-6570. Spotted acid and set packer at 6506'. Acidized with 500 gallons 15% regular. Breakdown pressure 3000 psi, treating pressure 1700 psi, injection rate two barrels per minute. Tested 2910 MCFPD, 1-1/2 barrels oil per hour, 1/3 barrels water per hour. Perforated four shots per foot 6396-6426'. Set retrievable bridge plug 6470'. Spotted acid and set packer 6374'. Acidised with 1000 gallons 15% regular. Breakdown pressure 2000 psi, treating pressure 1600 psi, injection rate 2-1/3 barrels per minute. Tested 8050 MCFPD, 4-1/3 barrels oil per hour, I barrel water per hour. Drilled cement and magnesium bridge plug and cleaned out to plug back depth. Set Baker Model B preduction packer at 6619' with 2-3/8" tubing landed at 6619' and side door shoke nipple above packer. Installed side door shoke and flo ed thru tubing to test some 6643-6659. Tested 757 MCFPD, 14 barrels oil per hour, 2 barrels water per hour. Closed casing pressure steady at 2400 pm indicating packer holding. Atidised some with 500 gallons 15% regular and tested 2980 MCFFD, 69 barrels oil per hour, no water. Closed casing pressure steady at 2000 showing effective separation of upper sones from lower sone. Commested well to pipeline to test upper sones 6396-6426 and 6530-6570. Tested well into pipeline 3400 MCFPD, 98 barrels oil per day, 50 barrels water per day and completed as condensate-producing gas well January 30, 1958. Blanked off lewer oi-bearing some 6643-6659 and equipped well to produce upper perforations 6396-6426 and 6530-6570 through tubing string to supply helium-bearing gas to U. 5. Bureau of Mines

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రావ్రామ్కులు ఉన్నాయి. అందు కారా కొళ్ళు, మీరుకోండా కారుకు కార్వారు. ఎద్దార్ప్ ఉన్నాయి. కారుకు కార్వాత్రు కారా మీరుకు పోషట కారాశాలు ఉన్న కేరుకు కోరుకు కోరుకు కొర్వారు. ప్రత్యేశంగు కారికిందు. ఈ కూడా కూడా కూడా కారుకు కారుకు ఈమీరుకు కారుకు కూడా కారణకు కూడా కారుకు కోరుకు కోరుకు కోరుకు కూడా కూడా కూడా కూడా కారణకు కారుకు కూడా కారికి కారణ

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