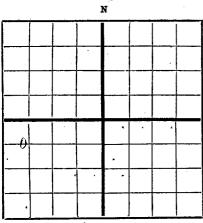


FORM C-105



## NEW MEXICO OIL CONSERVA Santa Fe, New Mexico

**)**(

## WELL RECORD

Mail to Oil Conservation Commission, Santa Fe, New Mexico, or its proper agent not more than twenty days after completion of well. Follow instructions in the Rules and Regulations of the Commission. Indicate questionable data by following it with (?). SUBMIT IN TRIPLICATE. FORM C-110 WILL NOT BE APPROVED

roc	AREÀ 640 LATE WELL	ACRES CORRECTLY		UNTIL PO	ORM 0-105 IS	PROPERLY FILLI	ED OUT,		
Buf	falo O1	1 Com	any		· .	Art	esia, j	L. Mex	
Wm. Mi	tchell	Company or C		22-P	in NW	SW1of S	Addr ec, <b>20</b>	<b>∵88</b>	, T. 178
	Tassa	•		4					County
*									. 20
						ıment No		•	
If patente	ed land the	owner is			• ".	······································	Address	··-	
	*								, Texas
_			-	-	-		, -		19 <b>50</b>
							Address	iobbs.,	New Mex.
					feet.				
The infor	mation give	n is to be ke	pt connaer	itiai untii		<u> </u>	***************************************	19	
	62	23			SANDS OR	•			•
									\$
									· · · · · · · · · · · · · · · · · · ·
No. 3, 110	)!!!								**************************************
Include d	eta on rate (	of water infl	ow and ele		TANT WATE hich water ro				•
					•		t		e e e e e e e e e e e e e e e e e e e
,									
No. 4, fro	om			to		fe	et		
				C	ASING RECO	RD			
	i	I The second second	<del></del>	1	1		DEDE	ORATED	
SIZE	WEIGHT PER FOOT	THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	FROM	то	PURPOSE
-3/80D	48#	8 rd		641	guide			ļ	Surface
-5/8"OD	24#	8 rd	J-55	541				<u> </u>	
-1/2*OD :	28# 15. <b>5</b> #	8 rd	H-40 J-55	5373	Float Float		5278	5294	Intermediate Oll string
-, <u></u>		J		7,74,7		-	J., 70-	7274	A * * * * * * * * * * * * * * * * * * *
			ļ		* AP 4-			ļ	
	<u> </u>			1				<u> </u>	
7-7/8	8-5/8 5 <del>1</del>	25101 5387	1445 600(2)		Pump				
		1						<u> </u>	
TT	mlum Motor	rio1	\$ 4		S AND ADA		De	nth Set	
_						_ Size			
1140,000						EMICAL TREA			
		·			ING OR OR	I I		CTTOM 1	h
SIZE	SHELL	USED	EXPLOSIV CHEMICAL	E OR USED	QUANTITY	DATE	DEPTH OR TRE	ATED	DEPTH CLEANED OUT
`			Acid	* * * * * * * * * * * * * * * * * * *		1 7/16/50			
			Aold	[	1500 ga	1 7/22/50	± 5278	-94	
						. :	The state of the s	<del>-</del>	•
Results o	f shooting (	or chemical	treatment	<b>6</b>	······································		***************************************	••••••••••	*
		***************************************		4 .				•••••••	
······		;	RECOI			D SPECIAL TI			
If drill-st	em or other	special tests				bmit report on		neet and a	attach hereto.
				***	TOOLS USE	D .			• •
Rotary to	ols were use	ed from		feet to	5442	feet, and from		feet	tofee
Cable too	ls were use	d from		feet to		feet, and from		feet	tofee
•					PRODUCTIO				
Put to pr	oducing	July 2	3						
						s of fluid of wh	ich9	<b>8</b> % w	as oil; <b>2</b> %
emulsion;		% water;	and	% s	ediment. Gra	vity, Be3.7.	40	*************	
Rock pres	ssure, lbs. p	er sq. in							
					EMPLOYEE	s			
									, Drille
J	. Р. В	uchanen		·····,	Driller			••••••	, Drille
			FO	RMATION	RECORD ON	OTHER SID	E		
_					erewith is a co	mplete and corr	ect record o	of the well	l and all work done or
it so far a	as can be de	termined fro	om availab	le records.					
Subscribe	d and sworr	n to before n	ne this	-27th	A1	tes19	w Mexi	.00	July 27, 19
:				•	EO No	me Affer	TINGO		July 27 195
day of	· · · · · · · · · · · · · · · · · · ·	tail	] ^	17		. /			
	WILLARD.	. Xa > (M	10.		10		r. c 6 1	agnt	

## FORMATION RECORD

FROM	то	THICKNESS IN FEET	FORMATION
DST #1	hoho KKI k	A 3 2 2 2 2	hrs. 15 min. Fair blow. Recovered 5' free
131 ming	751 017 en	dor oben o	ud plus 135' salt water. Final flow pressu
llo psi.	D) OII SIN	a San Can	and bing Till parts amount a villar line binned
	5215-721 to	nol onen 4	hrs. Gas to the surface in 35 min. Good 1
nloaded	with 1030	drill nine	left in hole. Recovered 180' clean oil pl
60 011	and gas cu	t mud plus	480 salty sulfur water. F.P. 175#, 30 min
IP 1200	bsi.	Aug 1	
		ool open 3	hrs. gas to surface in 25 min. Good blow.
as teste	d 11.800 c	a. ft. per	day. Recovered 157' free oil. F.P. 110#,
5 min. 5	IP 1000#.	Militar Gerthal -	pili (1 Mg) (1 Mg) person (1 Mg) (2
ST #4	5273-53051	Tool ppen	5 hrs. 45 min. Gas to surface in 4 min.
11 to su	rface in 2	hrs. 10 mi	5 hrs. 45 min. Gas to surface in 4 min. n. Flowed 2-3/4 bbls. oil per hr. Recovered
Of mud n	lus 60' bls	ck sulfur	water below circulating tool. Maximum flow
ressure	\$50 psi. 15	min. SIP	1700 psi. Well died twice during flow test. hrs. gas to surface in 6 min. Strong blow
ST #5	5300-20 1	ool open 4	hrs. gas to surface in 6 min. Strong blow
ine unlo	ided with 1	643 pipe	left in hole. Recovered 1330' free oil plu
10' salt;	sulfur wa	ter. Wate	r tested 121,000 ppm. cl.
5 <b>T#6</b> 57	14-20 Pa	cker faile	d on first attempt. Reset and left tool
pen 1 hr	Slight b	low, died	after 30 min. When tool was reopened packs
		ered 220	very slightly oil and gas out mud plus 90*
ulfur wat			
			hrs. Gas to surface in 2 hrs. Good Blow. R
vered 1	4' oll and	gas out m	nd plus 744 sulfur water. Maximum flow
			1130 psi
T#8 54	129-42 TO	or oben 4	hrs. Weak blow. Recovered 200 oil and
			ter. Maximum flowing pressure 130 psi.
DELL SIL	460 ps1.		and the second of the second o
•	to seem of the con-	CODES	WITH 4-3/4* OD DIAMOND BIT
		COMES	APTH A-31-A AN NTWININ DTT
ORE #T	5220_hk1 =	soorened 2	5*8" sand and shaley sand with streaks of
olomite.	JEEG-40 I	SOUNDE E	han a serie over everal cour ster stragg At
	5346-27 F	scovered 2	5.7° sand and shaley dolomite. 3° of good
tain and	porosity a	t 5253-56	Art amen amen amend was amend a base
ORE #3 -	5272-94 B	ecovered 2	Last 12' good porosity and stain.
orrected	TD from 52	94 to 5292	
ORE #4 -	5292-5305	Recovered	13 dolomite top 6 showing good porosity
nd stain.	Last foo	t also goo	A TOTAL TOTAL TOTAL POPULATION OF THE POPULATION
ORE #5 -	5305-20 P	ecovered 1	prorous and stained dolomite.
ORE #6 -	5322-5347	Recovere	d 23.8" stained dolomite.
ORE #7 -	5395-54201	Recovere	d 25° porous wet dolomite.
ORE #8 -	5420-42*	Recovered	22' porous dolomite and sand. Showing water
	1		The state of the s
	* * *	FORMAT	ION RECORD
FROM	TO	TOTAL FT	FORMATION
			and the state of t
0	80	80	Surface sand and caliche
_80	875	795	Red Bed Common C
875	1126	251	Red Bed and salt
1126	1983		Anhydrite and salt
1983	3239		Anhydrite
3239	3391	152	Anhydrite and Lime
3391	4520		Line
4520	4613	93	Lime and Chert
4613	5226	613	Lime
<b>5226</b>	5442	216	Lime and shaley sand
		,	
		I	

## WELL HISTORY

After reaching TD of 5442\*, 55\* casing was demented at 5387' and cement plug was drilled out to 5337'. Casing was perforated from 5304-07' with the jet shot using 6 shots per foot, and hole was swabbed dry. An attempt was made to acidize with 300 gallons but very little acid could be pumped in. This was swabbed and only a slight show of oil and gas was recovered. Casing was then reperforated from 5304-08' with 1/2" bullets, using 8 shots per foot. Hele was anabbed dry. A second attempt to acidize was insuccessful at a maximum pressure of 2850 psi. The hole was swabbed for 24 hours and considerable BS was removed. Hole then took 300 gallons of acid at a maximum pressure of 2200 psi, which broke to 1850 psi. Injection rate started at 12 gallons per minute and finished at 20 gallons per minute. After swabbing of oil and acid load, swabbed 54 bbls. oil plus 10% BS & W in 6 hours. Water steadily increased to 98% salt water. A hookwall packer was then set below perforations to test cement plug in casing, but bullets in casing tore up packer. A easing scraper was run to bottom and a retrievable retainer was set at 5316'. Plug below was tested with 2800 psi and pressure held. Retainer was raised to 5246' and perforations were squeezed with 50 sacks of cement at a maximum pressure of 4400 psi. Perforations took 27 sacks. Cement was drilled out to 5298'. Casing was then perforated from 5278-94' with jet gun using 8 shots perfoot. Hole was swabbed dry and swabbing continued for 30 hours, recovering considerable BS. Perforations were then acidized with 1500 gallons 15% acid. Acid started in at 4 gallons per minute and 2000 psi and at the end of treatment was going in at 16 gallons per minute and 2000 psi. Load was recovered and well started flowing. Next day, July 23, 1950; the well flowed 110 bbls. of oil in 24 hours with a gas-oil ratio of approximately 1400 cu. ft. per bbl. Casing pressure 490 psi. Well was completed July 23, 1950.