ORM C-10	95 N.			N	EW MEX	ICO OIL	CONSERVA	TION COMM	ISSION
						Santa	Fe, New Mexic	D	
						**		n	
						v	ELL RECOR		
							·		
				Mai	l to Oil Con	servation Con	mission, Santa F	e, New Mexico, or	its proper
				in	the Bules and	l Regulations	ys after completio of the Commissio UBMIT IN TRIPI	n. Indicate questi	instructions onable data
	REA 640 A E WELL			. Dy	ionowing it	— —			
DUCAL			Colls	ler, Al	rtesia,	New Me	xico.	Collier-	State
			w	ell No.	Company o	r Operator in AWSE	of Sec	12	т. <b>17</b> 8
27	E N	MP	M., D						County
				· · · · · · · · · · · · · · · · · · ·					12-179-278
State la	and the o	il and g	as lease is	No. E	3060	Assignem	ent No		
								· · · · · · · · · · · · · · · · · · ·	
									New Mexico
illing o	commence	d Me	rch 30	).	195	L. Drilling	was completed	April 18,	19 51
									, New Mexic
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le mior	mutici a					DS OR ZON			
0. 1, fra	41	9	t	423		No. 4, fr	om	to	
							om		
,						r water s			
nclude d	lata on r	ate of .	water infl	ow and el	evation to	which water	rose in hole.		
<b>o. 1, f</b> i	rom	601			to 651-	4 Baile	rs an hou	R	
o. 2, fi	rom				to		fe	et	
o. 3, f:	rom				tò		fe	et	
o. 4, f	ro <b>m</b>				to		fe	et	
					CASIN	IG RECORE	•		
	WEIGH PER FO		THREADS PER INCH	MAKE	AMOUNT	KIND OF SHOE	CUT & FILLED FROM	PERFORAT FROM	ED PURPOSE TO
SIZE									
<u>7</u> # 7#	20#		DV rd. R	anlar	4171 Patter	n Casin	g Shoe		
			<u> </u>						
					~	<u> </u>			
		1				1	1	1	1
				MUDI	DING AND	CEMENTIN	G RECORD		

 

 SIZE OF HOLE
 SIZE OF CASING
 WHERE SET
 NO. SACKS OF CEMENT
 METHOD USED
 MUD GRAVITY
 AMOUNT OF MUD USE

 81°
 7\*
 417'
 25 sacks
 Denton O11
 Well Cementing Co.

## PLUGS AND ADAPTERS

							h Set_		
daptersMateria	al		Size				<u></u>		
		RECORD OF	SHOOTING	OR CH	EMICAL T	REATMENT			
SIZE SHEL	L USED	EXPLOSIVE O CHEMICAL USE	R ED QUANTI	ITY	. DATE	DEPTH SH OR TREAT	OT SD	DEPTH C	LEANED OUT
		loid	1,000			la Chem	loel	Co.,	Artesia,
				4	-16-51				
		emical treatment.							
		RECORD	OF DRILL-S	TEM AN	ID SPECIAI	L TESTS			
drill-stem or o	ther spec	cial tests or devia	tion surveys	were ma	ide, submit	report on sep	arate s	sheet and	attach hereto.
			TOO	LS USE	D				
		m	feet to		feet, and				
		m	feet to		feet, and				
			feet to4		feet, and				
able tools were tut to producing.	used from	m 0	feet to4 feet to4 PRO ,19_ <b>_5</b>	24 DUCTIO	feet, and feet, and PN	l from		feet to	feet
able tools were tut to producing.	used from	mC,	feet to4 feet to4 PRO ,19_ <b>_5</b>	24 DUCTIO	feet, and feet, and PN	l from		feet to	feet
able tools were Put to producing. The production o	used from Apr of the fir	m 0	feet to4 feet to4 ,19_5 15	24 DUCTIO	feet, and feet, and N ls of fluid of	f which	0	feet to % was oil	feet
able tools were Put to producing The production o mulsion;	used from Apr of the fir ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	m 0	feet to4 feet to4 PRO ,19_5 5 % sec	24 DUCTIO 1barre diment.	feet, and feet, and N ls of fluid of Gravity, Be	f which	q	feet to	feet
Cable tools were Put to producing. The production o mulsion; f gas well, cu. ft	Apr Apr of the fir % per 24	m 0 41 18, st 24 hours was_ water; and	feet to4 feet to4 PRO ,19_5 % sec	<b>24</b> DUCTIO Lbarre liment. Gallo	feet, and feet, and N ls of fluid of Gravity, Be	f which	q	feet to	feet
Cable tools were Put to producing. The production o mulsion; f gas well, cu. ft	Apr Apr of the fir % per 24	m 0 41 18, st 24 hours was_ water; and hours	_feet to4 _feet to4 PRO ,19_5 % sec	<b>24</b> DUCTIO Lbarre liment. Gallo	feet, and feet, and PN Is of fluid of Gravity, Bo ns gasoline	f which	q	feet to	feet
Cable tools were Put to producing. The production o mulsion; f gas well, cu. ft Rock pressure, lb	used from Apr of the fir 	m 0 41 18, st 24 hours was_ water; and hours	_feet to4 _feet to4 ,19_5 % sec	24 DUCTIO Lbarre diment. Gallo PLOYEE	feet, and feet, and N ls of fluid of Gravity, Be ns gasoline	f from f which per 1,000 cu.	. ft. of	feet to % was oil gas	feet ;%
Cable tools were Put to producing. The production o emulsion; If gas well, cu. ft Rock pressure, lb	Apr of the fir 	m 0 11 18, st 24 hours was water; and hours . in.	feet to4 feet to4 ,19_5 % sec   	24 DUCTIO Lbarre diment. Gallo PLOYEE er	feet, and feet, and N Is of fluid of Gravity, Be ns gasoline S <b>Fred</b>	f from f which per 1,000 cu. <b>Getter</b>	. ft. of	feet to % was oil gas	feet ;%

day of	Kay	19_51
		> 1
- Jupi	al A. A	Notary Public .
Bylvia		
My Commissio	on expires Decen	ber 13, 1953.

Artesia.	New Mexico-	May 18.	1951
Pla	ce	Date	
Name In	) A Tar	int nur	n

Position Authorized Agent-Abe F. Rosenbaum Representing R. D. Collier Company or Operator.

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Address Box 798, Artesia, New Maxico.

## FORMATION RECORD

0 4 4 4 10 6 Snale 30 50 20 Gyp 50 60 10 Anhydrite 60 65 5 Sand and Gravel-Water 4 ballers per how 65 85 20 Anhydrite 85 100 15 Snale-Bad 100 105 5 Snale-Bad 100 105 5 Snale-Bad 100 105 6 Snale-Bad 100 105 7 Snale-Bad 100 105 7 Snale-Bad 100 105 8 Snale-Bad 100 105 8 Snale-Bad 100 105 9 Snale-Bad 100 105 9 Snale-Bad 100 105 9 Snale-Bad 100 200 220 20 Anhydrite-Broken 200 220 20 Anhydrite-Broken 201 20 10 Anhydrite-Broken 201 20 10 Anhydrite-Broken 202 205 45 Anhydrite-Broken 203 205 10 Lase 203 205 20 10 Lase 204 205 20 10 Lase 205 205 10 Lase 205 205 10 Lase 205 205 20 20 Anhydrite-Broken 206 305 20 Anhydrite-Broken 206 305 20 Anhydrite 207 30 20 Anhydrite 208 20 20 20 Anhydrite-Broken 209 200 20 20 20 Anhydrite-Broken 200 200 20 20 20 20 Anhydrite-Broken 200 200 20 20 20 20 Anhydrite-Broken 200 200 20 20 20 20 Anhydrite-Broken 200 20 20 20 20 20 20 20 20 20 20 20 20	FROM	то	THICKNESS IN FEET	FORMATION
10 30 20 400 30 50 20 400 40 400 10 10 10 10 10 10 10 10 10 10 10 10 1				
30     50     20     Gyr       50     65     10     Anhydrite       65     85     20     Anhydrite       100     105     15     Shale-Bitue       101     105     5     Shale-Bitue       102     10     Shale-Bitue       103     100     15     Shale-Bitue       104     105     5     Shale-Bitue       105     100     10     Shale-Bad       106     105     Shale-Bad       107     10     Anhydrite-Brokes       108     Sandy Shile and Anhydrite       109     10     Anhydrite-Brokes       100     105     Shale-Bad       101     200     220     20       200     220     20       201     20     20       202     205     10       203     200     20       204     200     20       205     20     10       206     20     Anhydrite-Brokes       207     30     Anhydrite-Brokes       208     20     10       209     30     Anhydrite-Brokes       310     340     36       317     400     20 <t< td=""><td></td><td></td><td></td><td></td></t<>				
60       65       5       Send and Gravel-Vator 4 ballers per how         85       100       15       Ahhydrite-Brokes         100       105       5       Shale-Blue         100       105       5       Shale-Red         110       120       16       Ahhydrite-Broken         165       200       220       26       45         200       220       265       45       Ahhydrite-Broken         201       220       265       45       Ahhydrite-Broken         202       265       275       10       Lime         203       10       20       Ahhydrite-Broken         310       340       36       36       36         310       340       36       36       36         310       340       36       36       36         316       376       376       3       36         3175       376       30		30		
60       65       5       20       Anhydrite         85       100       15       Anhydrite-Brokes         100       105       5       Bhals-Blue         100       105       5       Bhals-Blue         100       105       5       Bhals-Blue         100       100       5       Bhals-Blue         100       100       5       Bhals-Blue         100       100       5       Shals-Red         100       105       5       Shals-Sheet         100       105       10       Anhydrite-Brokes         200       220       265       45       Julystite-Brokes         210       10       20       Anhydrite-Brokes         210       10       Anhydrite       Bols-Foots         310       340       30       Anhydrite         310       340       30       Shals-Foots         376       400       22 </td <td>50</td> <td>20</td> <td></td> <td></td>	50	20		
65       85       100       15       Anhydrite-Broken         100       105       15       Shale-Blue         100       10       5       Shale-Blue         100       120       10       Shale-Blue         100       120       10       Shale-Blue         101       120       160       46         120       160       46       Fed Sandy Shale and Anhydrite         160       165       5       Shale-Red         160       165       Shale-Red         160       165       Shale-Red         160       165       Shale-Red         161       160       Anhydrite and Shale-Red         162       200       220       20         265       275       10       Lime         275       290       15       Anhydrite and Shale-Red         310       360       360       20       Anhydrite         310       360       360       20       Anhydrite         310       360       20       Anhydrite       36         3175       10       Lime       Shale-Red       41         400       410       2	<u> </u>	00		
85       100       15       Ahtpirite-Blue         100       100       5       Shale-Red         110       120       10       Antygirite         120       160       40       Red Sandy Shale and Anhydrite         160       165       5       Shale-Red         160       165       200       220       20         220       220       20       Antygirite-Broken         240       220       26       45         257       10       Lime         265       275       10       Lime         266       35       Anhydrite-Broken         270       310       340       30         310       340       30       Anhydrite-Broken         310       340       36       26         310       340       30       Shale-Red         310       340       30       Shale-Red         310       340       30       Shalydrite-Broken         310       340       30       Shalydrite         316       35       3       Shalydrite         316       378       3       Shalydrite         400 <t< td=""><td>00</td><td>05</td><td>5</td><td>Sand and Gravel-Water 4 bailers per how</td></t<>	00	05	5	Sand and Gravel-Water 4 bailers per how
100       105       3       Shala-Slue         100       120       10       Anhydrite         120       160       165       Shala-Slue       and Anhydrite         120       160       165       Shala-Slue       and Anhydrite         160       165       35       Shala-Slue       and Anhydrite         160       165       35       Anhydrite       anhydrite         200       220       20       20       Anhydrite       anhydrite         201       265       275       10       Lime         202       265       45       Anhydrite       Shala-Slue         203       10       20       Anhydrite       Shala-Slue         204       265       275       10       Lime         205       10       Anhydrite       Shala-Slue       Shala-Slue         310       340       360       22       Anhydrite       Shala-Slue         310       340       360       22       Anhydrite       Shala-Slue       Shala-Slue         375       375       10       Lime       Shala-Slue       Shala-Slue       Shala-Slue         406       410       21 <t< td=""><td>02</td><td>05</td><td>20</td><td></td></t<>	02	05	20	
110 120 160 40 Red Sandy Shale and Anhydrite 160 165 5 Shale-Red 165 200 220 20 Anhydrite-Broken 200 220 20 Anhydrite-Broken 200 220 255 45 Anhydrite-Broken 200 310 20 Anhydrite-Broken 200 310 20 Anhydrite-Broken 340 360 20 Anhydrite 360 365 5 Balt 375 376 3 Shale-Red 400 400 8 Lime-Broken 400 400 8 Jule-Red 413 415 2 Anhydrite and Shale-Blue 413 415 2 Anhydrite Mini-Stet 7" at 417' - Gegented 418 419 1 Lime- Gray - TOTAL DEPTH	07	100	15	
110 120 160 40 Red Sandy Shale and Anhydrite 160 165 5 Shale-Red 165 200 220 20 Anhydrite-Broken 200 220 20 Anhydrite-Broken 200 220 255 45 Anhydrite-Broken 200 310 20 Anhydrite-Broken 200 310 20 Anhydrite-Broken 340 360 20 Anhydrite 360 365 5 Balt 375 376 3 Shale-Red 400 400 8 Lime-Broken 400 400 8 Jule-Red 413 415 2 Anhydrite and Shale-Blue 413 415 2 Anhydrite Mini-Stet 7" at 417' - Gegented 418 419 1 Lime- Gray - TOTAL DEPTH		105	5	
120       160       160       163       Shale-Red         165       200       220       220       220         200       220       220       220       220         265       275       10       Lime       Bankydrite and Shale-Red         265       275       10       Lime       Bankydrite-Brokem         275       290       15       Anhydrite-Brokem         276       275       10       Lime         276       275       10       Lime         276       310       20       Anhydrite-Brokem         310       340       360       20       Anhydrite-Brokem         310       340       360       20       Anhydrite-Brokem         365       375       10       Lime       375         376       376       3       Bhale-Red       3         377       10       Lime       200       20       20         400       400       2       Anhydrite       3       3       1         413       413       3       Lime-Store       3       4       1         413       413       3       Lime-Gray       1	105	110	-5	
160 165 200 220 225 225 225 225 225 22	120	140	10	Annyerite
165       200       25       35       Anhydrite-Broken         200       265       45       Anhydrite-Broken         265       275       10       Lime         266       275       10       Lime         275       290       13       Anhydrite-Broken         275       290       310       20       Anhydrite-Broken         310       340       30       Anhydrite-Broken         340       366       20       Anhydrite-Broken         340       366       20       Anhydrite-Broken         346       365       5       Selt         366       365       3       Bhale-Red         376       400       2       Anhydrite         377       376       400       2         400       400       2       Anhydrite         410       413       3       Anhydrite         411       413       2       Anhydrite         413       413       1       Lime-Set 7" at 417" - Cegented         418       419       1       Lime-Gray       TOTAL DEPTH         423       424       1       Lime - Gray - TOTAL DEPTH <td></td> <td>160</td> <td>40</td> <td>ned Sandy Shale and Anhydrite</td>		160	40	ned Sandy Shale and Anhydrite
220       265       45       Anhydrite=Brokem         265       275       10       Lime         275       290       15       Anhydrite=Brokem         310       340       30       Anhydrite=Brokem         340       360       20       Anhydrite=Brokem         340       360       20       Anhydrite=Brokem         340       360       20       Anhydrite         366       375       10       Lime         376       378       3       Shale=Red         377       378       3       Shale=Bad         400       408       11me=Brokem         400       408       11me=Brokem         400       408       11me=Gray         413       415       Anhydrite and Shale=Blue         414       413       1         415       418       1         418       419       1         423       424       1         423       424       1         423       424       1         423       424       1         423       424       1	164	200		
220       265       45       Anhydrite=Brokem         265       275       10       Lime         275       290       15       Anhydrite=Brokem         310       340       30       Anhydrite=Brokem         340       360       20       Anhydrite=Brokem         340       360       20       Anhydrite=Brokem         340       360       20       Anhydrite         366       375       10       Lime         376       378       3       Shale=Red         377       378       3       Shale=Bad         400       408       11me=Brokem         400       408       11me=Brokem         400       408       11me=Gray         413       415       Anhydrite and Shale=Blue         414       413       1         415       418       1         418       419       1         423       424       1         423       424       1         423       424       1         423       424       1         423       424       1	200		22	Antry fritembrosen
265       275       10       Lime         270       310       20       Anhydrite=Brokes         310       340       30       Anhydrite         310       340       30       Anhydrite         360       366       20       Anhydrite         360       366       20       Anhydrite         360       365       5       Shale-Red         375       3       Shale-Red         406       400       2       Anhydrite         408       410       2       Shale-Red         410       413       3       Anhydrite         413       415       2       Anhydrite         414       419       1       Lime-Brokes         415       418       3       Anhydrite         418       419       1       Lime-Gray       Olisher         423       424       1       Lime-Gray - TOTAL DEPTH	220	264	20	ARAYGPITS and Shalo-Rod
275       290       15       Anhydrite=Broken         310       340       30       Anhydrite=Broken         340       360       20       Anhydrite=Broken         340       360       20       Anhydrite=Broken         360       366       20       Anhydrite         366       366       20       Anhydrite         366       366       20       Anhydrite         366       373       378       3       Bhale=Red         377       378       3       Bhale=Red       4         408       410       2       Shale=Bed       4         410       413       3       Anhydrite       and Shale=Blue         413       415       Anhydrite       and Shale=Blue       4         413       415       Anhydrite       and Shale=Blue       4         418       419       1       Lime=Stet 7" at 412" - Cemented       1         419       423       424       1       Lime - Gray - TOTAL DEPTH         423       424       1       Lime - Gray - TOTAL DEPTH	265	203	77	Addy GF1 Compoker
290       310       20       Anhydrite         340       360       30       Anhydrite         360       365       5       Salt         366       365       5       Salt         375       375       10       Lime         377       378       400       22       Anhydrite         400       400       22       Anhydrite       Anhydrite         400       400       23       Anhydrite       Anhydrite         400       413       415       2       Anhydrite       Anhydrite         413       415       2       Anhydrite       Anhydrite       Anhydrite         413       415       2       Anhydrite       Anhydrite       Anhydrite         413       415       2       Anhydrite       Anhydrite       Anhydrite         414       419       1       Lime- Set 7" at 417" - Oegented       Lime         419       423       424       1       Lime - Gray - TOTAL DEPTH         423       424       1       Lime - Gray - TOTAL DEPTH	275	200		
310       340       30       Anhydrite-Broken         360       365       365       381         365       375       10       Lime         378       400       22       Anhydrite         400       400       22       Anhydrite         400       400       22       Anhydrite         400       400       23       Shale-Red         400       400       23       Anhydrite         413       415       2       Anhydrite         413       415       2       Anhydrite         414       419       1       Lime-Stroken         418       419       1       Lime-Gray       Ath?' - Comparted         418       419       1       Lime-Gray       Oil Show         423       424       1       Lime - Gray - TOTAL DEPTH	200	230	73	
365       375       375       3         376       400       22       Anhydrite         400       408       8       Lime-Broken         400       403       3       Anhydrite         410       413       3       Anhydrite and Shale-Blue         413       415       2       Anhydrite and Shale-Blue         414       413       3       Lime-Gray         415       418       3       Lime-Gray         419       423       424       Lime-Gray = TOTAL DEPTH         423       424       Lime - Gray = TOTAL DEPTH	310	340	20	
365       375       375       3         376       400       22       Anhydrite         400       408       8       Lime-Broken         400       403       3       Anhydrite         410       413       3       Anhydrite and Shale-Blue         413       415       2       Anhydrite and Shale-Blue         414       413       3       Lime-Gray         415       418       3       Lime-Gray         419       423       424       Lime-Gray = TOTAL DEPTH         423       424       Lime - Gray = TOTAL DEPTH	340	240	VC 20	
365       375       375       3         376       400       22       Anhydrite         400       408       8       Lime-Broken         400       403       3       Shale-Red         410       413       3       Anhydrite         413       415       2       Anhydrite         413       415       2       Anhydrite         413       415       2       Anhydrite         413       418       3       Lime-Gray         419       413       418       1         419       423       424       1         423       424       1       1me-Gray - TOTAL DEPTH	360	365	<u> </u>	Annyarite Solt
400     408     8     Lime-Broken       400     413     3     Anhydrite     anhydrite       413     415     2     Anhydrite     anhydrite       413     415     2     Anhydrite     and Shale-Blue       415     418     3     Lime-Set 7* at 417* - Gemented       418     419     1     Lime-Gray       419     423     424     1       423     424     1     Lime-Gray - TOTAL DEPTH	365	375	10	I.tma
400     408     8     Lime-Broken       400     413     3     Anhydrite     anhydrite       413     415     2     Anhydrite     anhydrite       413     415     2     Anhydrite     and Shale-Blue       415     418     3     Lime-Set 7* at 417* - Gemented       418     419     1     Lime-Gray       419     423     424     1       423     424     1     Lime-Gray - TOTAL DEPTH	375	378		
400     408     8     Lime-Broken       400     410     413     3     Anhydrite       413     415     2     Anhydrite     and Shale-Blue       415     418     3     Lime-Set 7* at 417* - Cemented       418     419     1     Lime-Gray       419     423     424     1       423     424     1     Lime-Gray - Oil Show       423     424     1     Lime-Gray - TOTAL DEPTH	378	400	22	
408       410       2       Shale-Red         413       413       3       Ahlydrite         413       415       2       Anhydrite         413       415       2       Anhydrite         415       418       3       Lime- Set 7" at 417" - Comparted         418       419       1       Lime- Gray         423       424       1       Lime - Gray - TOTAL DEPTH	400	408		
415       418       3       Lime-Set 7" at 417' - Campanied         418       419       1       Lime-Gray         423       424       1       Lime-Brown - Oil Show         423       424       1       Lime-Gray - TOTAL DEPTH	408	410	2	
415       418       3       Lime-Set 7" at 417' - Campanied         418       419       1       Lime-Gray         423       424       1       Lime-Brown - Oil Show         423       424       1       Lime-Gray - TOTAL DEPTH	410	413	3	
415       418       419       1       Lime-Gray         419       423       424       1       Lime-Gray         423       424       1       Lime-Gray - TOTAL DEPTH	413	415	2	
418 419 423 424 1 Lime- Gray - Oil Show 423 424 1 Lime- Gray - TOTAL DEPTH	415	418	3	Lines Set 7# at h171 _ Cadental
419 423 424 1 Lime - Gray - TOTAL DEPTH	418		í	Line Ger
423 424 1 Line - Gray - TOTAL DEPTH				Line Brown - 047 Sherr
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