

N. M. O. C. C. CORP

STATE	COUNTY	ELEV.	COMPAN
NEW MEXICO	GRANDE	3772 D.F.	PLATE 111 C
KIND OF SAMPLES	LOCATION	FARM	WELL NO.
1	2304-23124 EL Sec 15-155-29E	U. S. A.	1

DEPTH	DOLGMIT			LIME			ANHY.			SALT			SHALE				SAND				MISCELLANEOUS SEDIMENTS & REMARKS
	%	COL.	TEX.	POR.	SAT.	%	COL.	%	%	%	%	%	GRAY	BLK.	GRN.	RED	GRAY	RED	LITH.	SAT.	
200																					Pink & white Sand
400																					" " " "
72								Tr								Tr					Slightly gypsiferous & silty
300								Tr													
1050																					
60								70	30												
1100								75	20							5					
10								85	5							10		Tr			
20								90	5							5					
1150								95	5												
60								90	10												
80								90	Tr								5 Shaley				5% Gray Shale
90								95	5												
1200								95	Tr								Tr				5% Gray Shale
20								80									20 Shaley				Many Rd. Fr. Qtz Grains
30								70								10	Tr	20	"		" " " "
50							Tr	Gr	70				5			15		10	"		
70							5	Gr	75							10	Tr	10			
90							5	Gr	80				Tr			5	Tr	10			
1300							5	Gr	75				Tr			10		10			
30							5	Gr	80				Tr			5		10			
50							10	Gr	75				Tr			5		10			
60							5	Gr	85				Tr			5		5			
90							Tr	Gr	90				Tr			5		5			
1710																					
30								55	30				Tr			5		10			
60								75	10							5		10			
80								75	10				5			5		5			
90								85	5							Tr		10			
1800								80	5				5			5		5			
10								90								5		5			
20								95										5			
40								100								Tr		Tr			
60								95										5 Shaley			
70								90								5		5			
72								95								Tr	Tr	5			Shaley

RECEIVED

DEC 21 1971

O. C. C.
ARTESIA, OFFICE

RECEIVED

DEC 20 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

STATE <i>New Mexico</i>	COUNTY <i>Chavez</i>	ELEV. <i>3972.0 F.</i>	COMPAT <i>For Oil Co.</i>
KIND OF SAMPLES <i>Rotary</i>	LOCATION <i>7001 NL-2107-EL 3m 15-155-295</i>	FARM <i>U.S.A.</i>	WELL NO. <i>1</i>

DEPTH	DOLOMITE					LIME				SHALE				SAND				MISCELLANEOUS SEDIMENTS & REMARKS	
	%	COL.	TEX.	POR.	SAT.	%	COL.	%	%	GRAY	BLK.	GRN.	RED	GRAY	RED	LITH.	SAT.		
1872																			
80								95		Tr						55	shaley		
80		Circ. 20 min						55	30							15	"		
80		Circ. 40 min						85	Tr				10			5	"		
90								80					10	shy	5			5 ft. Cream Color Shale - 5 ft. Calc.	
90		Circ 30 min					Tr Brn	70						15	15	5 ft. Shaley - Ft. Scattered St. in few clusters			
90		" 60 "						50					10	15	25	"	"	" " " " " "	
Cored 1890 to 1949																			

RECEIVED
DEC 20 1971
U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

RECEIVED
 DEC 20 1971
 U. S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO

STATE		COUNTY		ELEV.	COMPAN		WELL NO.									
New Mexico		Chihuahua		3972 K.3	Fur. Oil Co		1									
KIND OF SAMPLES		LOCATION		FARM												
Recon-Core		Walt NL-2310-ft-EL Seal 5-155-29E		11.5.4												
DEPTH	DOLOMITE		LIME		ANHY. SALT		SHALE		SAND		MISCELLANEOUS SEDIMENTS & REMARKS					
	%	COL.	TEX.	POR.	SAT.	%	COL.	%	%	GRAY		BLK.	GRN.	RED.	GRAY	RED
1890						Core from 1890 to 1949										NOTE Because of the Silty Sandy nature of the sands there is probably very low Porosity
92 1/2						Red Sandy Shale										
93						Fine Gray Silty Sand Slight odor Gas on franny broken Core										
96						Gray & slightly Pink Shaky Sand Very slight odor Gas										
97 1/2						Gray Sandy dolomite Very slight odor of Gas										
99 1/2						Red Sandy Shale										
1900 1/2						Gray Dolomite - very slightly sandy										
1901						Gray - slightly flesh color anhydrite - Very slightly dolomitic										
1903						Pink to Red Sandstone slightly interbedded with Anhydrite - Altering to Red Silty Sh.										
1904 1/2						Red Sandstone - slightly shaley										
1907						Red Shaley Sandstone										
1907 1/2						Dark Gray dolomite - slightly sandy										
1908						Red Sandy Shale										
1909						Gray to white Anhydrite - 2' Cream Color dolomite @ middle of 1909										
1910						Top 5" is Anhydrite - Next 2" Red Silty Shale - Lower 5" is Gray dolomite										
1913						White Xln Anhydrite grading into Red Silty Shale last 3"										
1914						Top 3" Silty Red Shale - Next 4" is Anhydrite - Lower 3" is Red Silty Shale										
1915						Gray Dense dolomite										
1916						Crystalline white Anhydrite with lower 6" becoming slightly dolomitic										
1920						Anhydrite										
1922						Top 6" Red Silty Shale - Lower 6" is Anhydrite										
1923						Red shale										
1925						White Anhydrite										
1927						Top 4" is Red Shale - Lower 3" is Anhydrite										
1928						Anhydrite										
1929 1/2						Gray dolomite - slightly flesh color										
1931						Anhydrite										
1932						Top 6" is Anhydrite Lower 6" is Silty Red Shale - Silty with leaching showing										
1934						Red Silty Shale showing some Salt leaching @ top with leaching increasing										
1935						Top 4" anhydritic Red Shale with Salt leaching										
1938						Salt										
1942 1/2						Red Sandy Shale interbedded tightly with Salt Bottom 6" is Salt										
1943						Salt interbedded with Red Silty Shale										
1944						Red Sandy Shale with bottom 4" Grading to Salt										
1945						Red Silty Shale with Salt stringers - becoming Anhydritic in lower 6"										
1946						Red Silty Shale interbedded with anhydrite Top 6" with Salt in lower 6"										
1949						Clear white to flesh color Salt with 1/2" stringer gray Anhydrite 3" off bottom.										
						Bottom of Core 1949										

RECEIVED

DEC 20 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

DRILLING TIME REPORT

OPERATOR Miller Co. LEASE U.S.A. WELL NO. 1STATE California COUNTY Imperial SEC. 15 TWP. 15N RGE. 29EDRILLING CONTRACTOR Miller Co. TYPE OF MUD

DEPTH		TIME		Mins. Lost	Mins. Drig.	Wt. on Bit	REMARKS
From	To	Begun	Ended				Depth Time For Trip
62	63				2		
	71				2		
	73				2		
	74				2		
	75				5		
	76				4		
	77				4		
	78				2		
	79				4		
	80				4		
	81				4		
	82				3		
	83				4		
	84				6		
	85				12		
116					6		
	10				11		
	20				5		
	30				12		
	40				13		
	50				7		
	60				8		
	70				7		
					6		
					5		
					10		
					5		
					6		
					11		

RECEIVED

DEC 20 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

MILLER ENGINEERING & GEOLOGICAL CO.

P. O. Box 385

Hobbs, New Mexico

DRILLING TIME REPORT

OPERATOR F. J. Miller LEASE F. J. Miller WELL NO. 1STATE N. M. COUNTY Chaves SEC. 17 TWP. 1 RGE. 21

DRILLING CONTRACTOR _____ TYPE OF MUD _____

DEPTH		TIME		Mins. Lost	Mins. Drig.	Wt. on Bit	REMARKS Depth Time For Trip
From	To	Begun	Ended				
1							
4					8		
56					9		
10					9		
7					7		
8					8		
9					10		
1200					13		
	10				15		
	2				9		
	2				1		
	4				1		
	5				16		
	6				21		
	70				16		
	80				20		
					17		
1400					12		
					11		
					11		
					11		
	2				1		
					15		
					12		
					6		
					12		
	20				6		
1700					11		

RECEIVED

DEC 20 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

MILLER ENGINEERING & GEOLOGICAL CO.

P. O. Box 385

Hobbs, New Mexico

DRILLING TIME REPORT

OPERATOR Miller Engineering & Geological Co. LEASE Miller WELL NO. 1STATE NEW MEXICO COUNTY Lea SEC. 1 TWP. 1 RGE. 1DRILLING CONTRACTOR Miller Engineering & Geological Co. TYPE OF MUD Water

DEPTH		TIME		Mins. Lost	Mins. Drilg.	Wt. on Bit	REMARKS
From	To	Begun	Ended				Depth Time For Trip
15							
					6		
					10		
	20				12		
	25				15		
	30				16		
					19		
					2		
					8		
					12		
					17		
	15				13		
	20				7		
	30				12		
	40				10		
	50				10		
					6		
					1		
					12		
					15		
					9		
					1		
					1		
	4				1		
	5				1		
	6				12		
					1		

RECEIVED
 DEC 20 1971
 U. S. GEOLOGICAL SURVEY
 ARTESIA, NEW MEXICO

Hobbs, New Mexico

DRILLING TIME REPORT

STATE _____ COUNTY _____ SEC. _____ TWP. _____ RGE. _____

DRILLING CONTRACTOR _____ TYPE OF MUD _____

DEPTH		TIME		Mins. Lost	Mins. Drig.	Wt. on Bit	REMARKS
From	To	Begun	Ended				Depth Time For Trip
100	101						
					1		8
					1 1/2		
					1 1/2		
					1		
					1 1/2		
					1 1/2		
					1		
					2		
					1 1/2		
					1		11
					1 1/2		
					1		
					2 1/2		
					1 1/2		
					2 1/2		
					1 1/2		
					1		
					1		
					1		
					1 1/2		13
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		
					1		
					1 1/2		

RECEIVED

~~DEC 20 1971~~

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

MILLER ENGINEERING & GEOLOGICAL CO.

P. O. Box 385

Hobbs, New Mexico

DRILLING TIME REPORT

OPERATOR Frank D. Miller LEASE Frank D. Miller WELL NO. 1STATE N. M. COUNTY Elddy SEC. 15 TWP. 15 RGE. 29EDRILLING CONTRACTOR Miller Engineering & Geological Co. TYPE OF MUD

DEPTH		TIME		Mins. Lost	Mins. Drig.	Wt. on Bit	REMARKS
From	To	Begun	Ended				Depth Time For Trip
1723	2				1 1/2		
	4				1 1/2		
	6				3 1/2		
	8				1		
	10				1		
	12				3		
	14				2		
	16				1		
	18				3		
	20				1		
	22				1		
	24				2		
	26				1		
	28				2		
	30				2		
	32				1 1/2		
	34				1 1/2		
	36				1		
	38				3		
	40				2		
	42				4		
	44				4		
	46				4		
	48				3		
	50				3		
	52				2		
	54				1		

RECEIVED

DEC 20 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

MILLER ENGINEERING & GEOLOGICAL CO.

P. O. Box 385

Hobbs, New Mexico

DRILLING TIME REPORT

OPERATOR _____ LEASE _____ WELL NO. 1

STATE _____ COUNTY _____ SEC. _____ TWP. _____ RGE. _____

DRILLING CONTRACTOR _____ TYPE OF MUD _____

DEPTH		TIME		Mins. Lost	Mins. Drlg.	Wt. on Bit	REMARKS
From	To	Begun	Ended				Depth Time For Trip
14	15				1		
	16				1		
	17				1		
	18				1		
	19				1		
	20				2 1/2		
	21				2		16
	22				1 1/2		
	23				1 1/2		
	24				1 1/2		
	25				1 1/2		
	26				1 1/2		
	27				1		
	28				1		
	29				1		
	30				1		8 1/2
	31				1		
	32				1 1/2		
	33				1 1/2		
	34				2		
	35				1 1/2		
	36				1		
	37				1		
	38				3		
	39				4		
	40				2		16 1/2
	41				4		

RECEIVED

DEC 20 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

MILLER ENGINEERING & GEOLOGICAL CO.

P. O. Box 385

Hobbs, New Mexico

DRILLING TIME REPORT

OPERATOR Miller Engineering & Geological Co. LEASE Elmwood WELL NO. 1STATE New Mexico COUNTY El Paso SEC. 17 TWP. 15N RGE. 29EDRILLING CONTRACTOR Miller Engineering & Geological Co. TYPE OF MUD Water Based

DEPTH		TIME		Mins. Lost	Mins. Drlg.	Wt. on Bit	REMARKS
From	To	Begun	Ended				Depth Time For Trip
17.0	17.1				2		
	17.2				3		
	17.3				3		
	17.4				3		
	17.5				3		
	17.6				3		
	17.7				2		
	17.8				3		
	17.9				4		
18.0	18.1				1		25
	18.2				1		
	18.3				1		
	18.4				1		
	18.5				2		
	18.6				1		
	18.7				1		
	18.8				2		
	18.9				1		
	19.0				2		
	19.1				4		14
	19.2				3		
	19.3				4		
	19.4				4		
	19.5				2		
	19.6				4		
	19.7				5		
	19.8				4		

RECEIVED

DEC 20 1971

U. S. GEOLOGICAL SURVEY
ALBUQUERQUE, NEW MEXICO

MILLER ENGINEERING & GEOLOGICAL CO.

P. O. Box 385

Hobbs, New Mexico

DRILLING TIME REPORT

OPERATOR Miller Engineering & Geological Co. LEASE Miller WELL NO. 1STATE NM COUNTY Lea SEC. 10 TWP. 17N RGE. 12EDRILLING CONTRACTOR Miller Engineering & Geological Co. TYPE OF MUD

DEPTH		TIME		Mins. Lost	Mins. Drilg.	Wt. on Bit	REMARKS
From	To	Begun	Ended				Depth Time For Trip
10.0	20				4		
	21				4		
	22				4		
	23				2		
	24				3		
	25				2		
	26				1		
	27				1		
	28				1		
	29				1		
	30				1		
	31				1		
	32				2		
	33				1		
	34				1		
	35				3		
	36				2		
	37				2		
	38				2		
	39				2		
	40				2		
	41				2		
	42				1		
	43				2		
	44				2		
	45				2		
	46				2		
	47				2		
	48				2		
	49				2		
	50				2		
	51				2		
	52				2		
	53				2		
	54				2		
	55				2		
	56				2		
	57				2		
	58				2		
	59				2		
	60				2		
	61				2		
	62				2		
	63				2		
	64				2		
	65				2		
	66				2		
	67				2		
	68				2		
	69				2		
	70				2		
	71				2		
	72				2		
	73				2		
	74				2		
	75				2		
	76				2		
	77				2		
	78				2		
	79				2		
	80				2		
	81				2		
	82				2		
	83				2		
	84				2		
	85				2		
	86				2		
	87				2		
	88				2		
	89				2		
	90				2		
	91				2		
	92				2		
	93				2		
	94				2		
	95				2		
	96				2		
	97				2		
	98				2		
	99				2		
	100				2		

RECEIVED

DEC 20 1971

U. S. GEOLOGICAL SURVEY
ARTESIA NEW MEXICO

MILLER ENGINEERING & GEOLOGICAL CO.

P. O. Box 385

Hobbs, New Mexico

DRILLING TIME REPORT

OPERATOR Miller LEASE Miller WELL NO. 1STATE New Mexico COUNTY Curry SEC. 15 TWP. 1N RGE. 10EDRILLING CONTRACTOR Miller TYPE OF MUD Water

DEPTH		TIME		Mins. Lost	Mins. Drlg.	Wt. on Bit	REMARKS
From	To	Begun	Ended				Depth Time For Trip
1	2				2		
2	3				2		
3	4				2		
4	5				2		
5	6				2		
6	7				2		
7	8				2		
8	9				2		
9	10				2		
10	11				2		
11	12				2		
12	13				2		
13	14				2		
14	15				2		
15	16				2		
16	17				2		
17	18				2		
18	19				2		
19	20				2		
20	21				2		
21	22				2		
22	23				2		
23	24				2		
24	25				2		
25	26				2		
26	27				2		
27	28				2		
28	29				2		
29	30				2		
30	31				2		
31	32				2		
32	33				2		
33	34				2		
34	35				2		
35	36				2		
36	37				2		
37	38				2		
38	39				2		
39	40				2		
40	41				2		
41	42				2		
42	43				2		
43	44				2		
44	45				2		
45	46				2		
46	47				2		
47	48				2		
48	49				2		
49	50				2		
50	51				2		
51	52				2		
52	53				2		
53	54				2		
54	55				2		
55	56				2		
56	57				2		
57	58				2		
58	59				2		
59	60				2		
60	61				2		
61	62				2		
62	63				2		
63	64				2		
64	65				2		
65	66				2		
66	67				2		
67	68				2		
68	69				2		
69	70				2		
70	71				2		
71	72				2		
72	73				2		
73	74				2		
74	75				2		
75	76				2		
76	77				2		
77	78				2		
78	79				2		
79	80				2		
80	81				2		
81	82				2		
82	83				2		
83	84				2		
84	85				2		
85	86				2		
86	87				2		
87	88				2		
88	89				2		
89	90				2		
90	91				2		
91	92				2		
92	93				2		
93	94				2		
94	95				2		
95	96				2		
96	97				2		
97	98				2		
98	99				2		
99	100				2		

RECEIVED

DEC 20 1971

U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

MILLER ENGINEERING & GEOLOGICAL CO.

P. O. Box 385

Hobbs, New Mexico

DRILLING TIME REPORT

OPERATOR Miller, C. LEASE Miller WELL NO. 1STATE New Mexico COUNTY Lea SEC. 17 TWP. 1N RGE. 1EDRILLING CONTRACTOR Miller, C. TYPE OF MUD Water

DEPTH		TIME		Mins. Lost	Mins. Drlg.	Wt. on Bit	REMARKS
From	To	Begun	Ended				Depth Time For Trip
0	1				1		
	2				2		
	3				4		
	4				1		
	5				2 1/2		
	6				2 1/2		
	7				1 1/2		
	8				1		
	9				2		
	10				1		
	11				1		
	12				1 1/2		
	13				1		
	14				1		
	15				1 1/2		
	16				1		
	17				1		
	18				1 1/2		
	19				1		
	20				1		
	21				1 1/2		
	22				1		
	23				1		
	24				1 1/2		
	25				1		
	26				1		
	27				1 1/2		
	28				1		
	29				1		
	30				1 1/2		
	31				1		
	32				1		
	33				1 1/2		
	34				1		
	35				1		
	36				1 1/2		
	37				1		
	38				1		
	39				1 1/2		
	40				1		
	41				1		
	42				1 1/2		
	43				1		
	44				1		
	45				1 1/2		
	46				1		
	47				1		
	48				1 1/2		
	49				1		
	50				1		
	51				1 1/2		
	52				1		
	53				1		
	54				1 1/2		
	55				1		
	56				1		
	57				1 1/2		
	58				1		
	59				1		
	60				1 1/2		
	61				1		
	62				1		
	63				1 1/2		
	64				1		
	65				1		
	66				1 1/2		
	67				1		
	68				1		
	69				1 1/2		
	70				1		
	71				1		
	72				1 1/2		
	73				1		
	74				1		
	75				1 1/2		
	76				1		
	77				1		
	78				1 1/2		
	79				1		
	80				1		
	81				1 1/2		
	82				1		
	83				1		
	84				1 1/2		
	85				1		
	86				1		
	87				1 1/2		
	88				1		
	89				1		
	90				1 1/2		
	91				1		
	92				1		
	93				1 1/2		
	94				1		
	95				1		
	96				1 1/2		
	97				1		
	98				1		
	99				1 1/2		
	100				1		

RECEIVED
DEC 20 1971
U. S. GEOLOGICAL SURVEY
HOBBS, NEW MEXICO