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STATE	COUNTY	ELEVATION	DESC. BY		COMPANY									
New Mexico	Elly		W.T. Wynn		R. Q. Silverthorn									
KIND OF SAMPLES	LOCATION		S	T	R	FARM	WELL NO.							
Rotary	2310' FS & 2330' FINE		25	185	30E	Keinath	3							
DEPTH	DOLO	LIME	DESCRIPTION	SALT	34p. ANHY	SHALE				SAND		CHT	NOTES	
	%	%		%	%	RED	GRY.	GRN.	BLK	RED	GRY.	DESCRIPTION	%	
3000-10	80		vfg & vfx r. br. & pale tan, sl. 34p4; tr. gy silty		20	Tr				Tr				
20	80		same, some silty		20	Tr		Tr		Tr		wh. & lt. gy. 34p4 silt		
30	60		vfg & vfx lt. gy-brn & pale tan, sl. 34p4, some silty		25	Tr				15		wh. & lt. gy. silt & fgs sd., 34p4, some gy. bl. & pink flex.		Tr. FQGS
40	70		same		20	Tr				Tr	10	same		
50	85		vfg & vfx wh. & lt. brn., silty, some silty		10	Tr	Tr			5		"		
60	80		same dol., sl. 34p4, tr. silty		15	Tr				5		gy & 34-brn silt		
70	85		same		15	Tr				Tr		same		
80	80		"		15	Tr				5		" & vfg wh. dol. sd.		
90	75		"		15	Tr				Tr	10	" " " "		
3100	65		" , part silty		15	5				15		gy & wh silt & vfg dol. sd.		
3100-10	70		" tr. silty		10	Tr	Tr			20		same, dol. & 34p4		
20	55		" , some silty		10	Tr	Tr			Tr	35	" " "		Tr. FQGS
30	60		" , much silty		10	Tr				30		" " "		
40	65		vfg & vfx wh., tr. gy & brn. sl. 34p4, part silty		15	Tr				Tr	20	" " "		
50	80		vfg & vfx wh. & 34-brn silty, silty & sl. 34p4, some w/ tiny red flex sh.		10	Tr	Tr			10		" " "		
60	75		same		10	Tr				15		" " "		FQGS
70	85		vfg & vfx wh., lt. gy & brn, silty, tr. silty		10	Tr				Tr	5	" " "		FQGS, some lge
80	75		same, sl. silty		15	Tr				Tr	10	" " "		Tr. FQGS
90	90		" "		10	Tr				Tr	Tr			Tr. lge FQGS
3200	70		" "		15	5				10				
3200-10	85		vfg & vfx pale brn. & 34p4, sl. 34p4		10	5				Tr	Tr			
20	75		vfg & vfx pale brn. & 34p4, sl. silty & silty		10	5				10	Tr.	fg red shly, 34p4 & 34p4 sd. Tr. fg 34 p4 silty sd w/ tr. sh.		JAN 11 '72
30	75		same to 34-brn, silty		15	5				5		same		U. S. GEOLOGICAL SURVEY
40	75		" " " , sl. silty		10	5		Tr		5	5	same red. Fmg sub-ang. v. dol. wh. sd.		ARTESIA, NEW MEXICO
50	75		" " " " "		5	Tr				Tr	20	gy silt to fine sub-ang. v. dol. sd.		
60	70		" " " " "		10	Tr				Tr	20	same wh.		Tr. FQGS
70	60		" " " " "		15	5	Tr			5	15	gy silt & vfg-fg sub-ang. sd., v. dol.		Tr. FQGS
80	50		" " " " "		15	5	Tr			5	25	same		FQGS
90	55		" " " " "		15	5				10	15	" & fg red shly. 34p4 sd.		Tr. FQGS
3300	55		" " " " "		15	5	Tr	Tr. pale		10	15	" "		Tr. FQGS
3300-10	50		" " " " "		20	5				5	20	" "		Tr. FQGS
20	45		" " " " "		15	5		Tr		10	25	" "		Tr. FQGS

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ARTESIA, NEW MEXICO

STATE <i>New Mexico</i>	COUNTY <i>Eddy</i>	ELEVATION	DESC. BY <i>W.T. Wynn</i>	COMPANY <i>R.Q. Silverthorn</i>		
KIND OF SAMPLES <i>Library</i>	LOCATION <i>2310'FS & 330' FNL</i>	S <i>25</i>	T <i>18-S</i>	R <i>30-E</i>	FARM <i>Keinzth</i>	WELL NO. <i>3</i>

DEPTH	DOLO		LIME	DESCRIPTION	SALT	ANHY	SHALE				SAND		CHT	NOTES
	%	%			%	%	RED	GRY.	GRN.	BLK	RED	GRY.		
3320-30	50			vfg & vfx pale brn. silty, sl. silty		20	5				5	20		Tr. FOGs sd. v. dolc. fgrd shly, supply sd
40	45			same dolc., sl. silty		15	Tr				Tr	40		wh. f. fm & v. dolc. sd.
50	40			same		10	Tr		Tr		Tr	50		same
60	50			"		10	Tr	Tr			Tr	40		"
70	55			"		10	Tr				Tr	35		Tr. lgc FOGs
80	80			vfg & vfx pale to H. brn., sl. silty, sl. silty		10	Tr				Tr	10		"
90	65			same		10	Tr				Tr	25		"
3400	80			" v. sl. silty		10	Tr				Tr	10		"
3400-15	80			" " " "		10	Tr				Tr	10		"
20	90			" " " "		5	Tr				Tr	5		"
30	95			" " " "		5	Tr				Tr	Tr		"
40	75			" " " "		10	Tr				Tr	15		"
50	60			" sl. silty, tr. ool.		10	Tr		Tr		Tr	30		Tr. FOGs
60	80			" some silty		15	Tr				Tr	5		Red brn Flor
70	80			vfg & vfx wh. & pale brn. silty, sl. silty, tr. ool.		5	Tr				Tr	15		35% gel Flor
3500	85			As above, sl. silty		5	Tr				Tr	10		40% " "
80	85			" " " "		5	Tr				Tr	10		20% " "
90	85			" " " " some v. silty		5	Tr				Tr	10		20% " "
3500	90			" " " " 70% silty		5	Tr				Tr	5		40% " "

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NIMLOC
DONNELLY DRILLING CO., Inc.
OIL WELL DRILLING CONTRACTORS
P. O. BOX 433
ARTESIA, NEW MEXICO

December 28, 1971

R. Q. SILVERTHORNE

~~R. A. Silverthorne~~

Drawer 18

Plainview, Texas

Well No. 3, Keinath Federal.

Deviation Report

<u>Test No.</u>	<u>Depth</u>	<u>Degree Off</u>
1	506	3/4
2	720	1
3	1233	1 1/4
4	1651	1
5	1827	2
6	2201	3/4
7	2607	1/4
8	2958	1/4
9	3202	3/4
10	3530	3/4

The undersigned hereby certifies that he is an authorized representative of the drilling contractor, Donnelly Drilling Co., Inc., who drilled the above described well and that he conducted deviation tests and obtained the results set out above.

DONNELLY DRILLING CO., INC.

By T. H. Donnelly
T. H. Donnelly, President

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U. S. GEOLOGICAL SURVEY
ARTESIA, NEW MEXICO

State of New Mexico
County of Eddy :

Subscribed and sworn to before me this 28th day of December, 1971.

Nancy King
Notary Public

June 9, 1973
My Commission Expires: