

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 9, OKLAHOMA

TIME 1988

FARM		WELL NO.	LOCATION		
County <i>Delaware</i>		<i>A-1</i>			
STATE		CONTRACTOR	DATE		
<i>KANSAS</i>		<i>W. J. ...</i>	<i>6-10-64</i>		
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
1000	85	11:55	05	3	
	10		130 00	0	
	55		05	1	
	58		05	2	
	25		06	1	
	30		07	1	
	35	12:08	12:09 09	1	<i>Comm</i>
	40		10	1	
	45		11	1	
	1050		12	1	
	55		13	1	
	60		14	1	
	65		15	1	
	70	12:25	26	1	<i>Comm + JCT</i>
	75		27	1	
	80		28	1	
	85		29	1	
	90		30	1	
	105		31	1	
	1100	12:35	36	1	<i>Comm</i>
	5		37	1	
	10		38	1	
	15		39	1	
	20		41	2	
	25		44	3	
	30	12:48	50	2	<i>Comm</i>
	35		52	2	
	40		54	2	
	45		55	1	
	1150		56	1	
	55		1 -	4	
	60	1:03	08	5	
	65		11	3	
	70		14	3	
	75		17	3	
	80		19	2	
	85		21	2	
	90		23	2	<i>Comm</i>
	95	1:27	30	3	
	1000		34	4	
	05		39	5	
	10		43	4	
	15		47	4	
	20		53	6	
	25	1:58	07	35	<i>Comm</i>
	30		05	5	
	35		10	4	
	40		13	5	
	45		22	5	
	1250		2:17	5	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION	
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>J. D. Farmer</i>	DATE <i>4-16-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
1250	55	12:27	33	6	Conn & Rig
	60	12:39	46	7	
	65		54	7	
	70		3:01	7	
	75		09	8	
	80		19	10	Conn
	85	3:23	32	9	
	90		40	8	
	95		44	4	
	1300		47	3	
	05		52	5	
	10		59	7	
	15		4:07	8	Conn
	20	4:11	15	4	
	25		20	5	
	30		27	7	
	35		42	5	
	40		46	4	
	45		49	3	
	50	4:52	55	5	Conn
	55		58	3	
	60		5:02	3	
	65		05	3	
	70		11	6	
	75		18	7	
	80	5:24	29	5	Conn
	85		36	7	
	90		42	6	
	95		50	8	
	1400		56	6	
	05		1:02	6	
	10		03	5	Conn
	15	08	14	6	
	20		02	8	
	25	1:11	32	18	
	30		48	12	
	35		7:04	16	
	40		7:19	15	Trip & Slope test
	45	7:15	26	11	
	50		33	7	
	55		41	8	
	60		50	9	
	65		9:09	19	
	70		29	20	
	75	7:34	54	20	
	80		10:14	20	
	85		33	19	
	90		50	17	
	95		59	9	
	1500		11:05	6	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

Colberg

FARM	WELL NO.	LOCATION
	A-1	
COUNTY	STATE	CONTRACTOR
Trego	Kansas	John O Farmer
		DATE
		6-17-64

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
1500	1505	1105	1122	5	Conn & rig 12 min
	10		26	4	
	15		31	5	
	20		36	5	
	25		42	6	
	30		47	5	
	35		57	5	Conn 5 min
	40		1202	5	
	45		8	6	
	50		14	6	
	55		20	6	
	60		25	5	
	65		30	5	
	70		42	7	Conn 5 min
	75		48	6	
	80		53	5	
	85		58	5	
	90		102	7	
	95		11	6	
	1600		20	4	Conn 5 min
	5		27	7	
	10		34	7	
	15		42	8	
	20		47	5	
	25		53	6	
	30		204	6	Conn 5 min
	35		11	7	
	40		19	8	
	45		27	8	
	50		35	8	
	55		43	8	
	60		49	6	
	65	254	300	6	Conn
	70		6	6	
	75		13	7	
	80		22	9	
	85		27	5	
	90		35	8	
	95		46	6	Conn 5 min
	1700		53	7	
	5		403	10	
	10		10	7	
	15		18	8	
	20		26	8	
	25		38	7	Conn 5 min
	30		46	8	
	35		55	9	
	40		504	9	
	45		13	9	
	50		20	7	

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FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.		LOCATION	
COUNTY		STATE		DATE	
DEPTH		DRILLING TIME		ACTUAL TIME	
FROM	TO	BEGAN	ENDED		REMARKS
17 50	1755	5 20	5 28	8	Bit # 2. smith DT29
	60	5 33	40	7	CONN
	65		47	7	
	70		57	10	
	75		6 06	9	
	80		16	10	
	85		26	10	
	90	6:58	7:08	10	Conn. det. Pits Grease RIg
	95		16	8	
	18 00		24	8	
	5		32	8	
	10		40	8	
	15		50	10	
	20	8:10	8:17	7	Conn. Work over. RIg
	25		27	10	
	30		37	10	
	35		41	4	
	40		48	7	
	45		54	10	
	18 50		9:06	8	
	55	9:10	16	6	Conn.
	60		23	7	
	65		30	7	
	70		30	0	
	75		42	6	
	80		50	8	
	85		57	7	
	90	10:01	10:06	5	Conn.
	95		11	5	
	19 00		20	9	
	5		30	10	
	10		37	7	
	15	10:21	47	6	Conn.
	20		54	7	
	25		11:00	6	
	30		08	8	
	35		15	7	
	40		21	6	
	45	11:26	29	8	Conn.
	19 50		37	8	
	55		45	8	
	60		52	7	
	65		57	5	
	70		12 00	5	
	75		07	5	
	80	12:11	16	5	Conn.
	85		22	6	
	90		28	6	
	95		35	7	
	20 00		42	7	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Collins</i>		WELL NO. <i>A1</i>	LOCATION <i>27-14-21</i>	
COUNTY <i>Coleman</i>	STATE <i>Kan.</i>	CONTRACTOR <i>J.O. Farmer</i>		DATE <i>6-17-64</i>
TREGO				

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
2000	2005	12:42	12:50	8	
	10	12:55	1:05	10	Conn.
	15		14	9	
	20		21	7	
	25		30	10	
	30		39	9	
	35		49	10	
	40		58	9	Conn.
	45	2:03	10	7	
	50		16	6	
	55		22	6	
	60		30	8	
	65		50	20	
	70	2:54	3:04	10	Conn.
	75		10	6	
	80		20	10	
	85		29	9	
	90		48	19	
	95		4:12	24	
	21 00		34	22	Conn.
	5	4:39	4:59	20	
	10		5:14	15	
	15		5:40	26	
	20		6:17	28	
	25		6:38	30	
	30		6:58	20	Trip + Slope test
	35	7:19	7:25	15	
	40		39	14	
	45		51	11	
	50		9	9	
	55		9:15	15	
	60		9:30	15	Conn.
	65	34	50	16	
	70		10:01	11	
	75		14	13	
	80		21	7	
	85		30	9	
	90		40	10	
	95		11:00	10	conn & rig 10 min
	2200		11	11	
	5		23	12	
	10		33	10	
	15		42	9	
	20		55	13	
	25		1:08	13	
	30	12:14	26	12	Conn.
	35		42	12	
	40		53	11	
	45		1:10	17	
	2250		1:20	10	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.		LOCATION	
Colberg		A-1			
COUNTY		STATE		CONTRACTOR	
Trego		Kansas		John O Farmer	
DATE					
6-18-64					
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
22 50	22 55	1 20	1 30	11	Bit # 3. Security
	60		1 48	11	Conn 6 min
	65		59	11	
	70		2 10	11	
	75		21	11	
	80		33	12	
	85		50	17	
	90		3 07	12	Conn 5 min
	95		18	14	
	23 00		35	17	
	5		51	16	
	10		4 05	14	
	15		18	13	
	20		36	18	
	25	4 42	57	21	Conn.
	30		5 05	13	
	35		25	15	
	40		39	14	
	45		6 02	23	
	50		6 25	23	
	55	6 40	7:04	24	Conn. + Rig
	60	7:20	7:40	20	Set Bits
	65		8:05	25	
	70		8:30	25	
	75		55	25	
	80		9 20	35	
	85	9 35	10:00	30	Conn.
	90		20	20	
	95		37	17	
	24 00		52	15	
	5		11 12	20	
	10		27	15	
	15		39	16	
	20	11 23	12:05	22	Conn.
	25		38	23	
	30		1:20	42	Trip
	35	3 10	25	15	
	40		36	11	
	45		46	10	
	24 50	51	4:02	11	Conn.
	55		4:16	14	
	60		30	14	
	65		47	17	
	70		17	30	
	75		37	20	Conn.
	80	42	6 02	20	
	85		30	28	
	90		45	15	
	95		7:15	30	
	25 00		7 40	25	

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Colberg
Trego

A-1
Kansas

27-14-21
John O. Farmer 6-18

25 00	25 05	7 40	8 30	50
	10		9 00	30
	15	9 04	31	27 Conn
	20		52	21
	25		10 40	48
	30		11 50	30
	32		20	10 2 ft time
	34		33	13
	36		46	13
	38		12 02	16
	40		17	15
	42	12 28	38	10 Conn
	44		44	6
	46		52	8
	48		58	6
	50		1 08	10
	52		18	10
	54		28	10
	56		39	11
	58		48	9
	60		58	10
	62		2 09	11
	64		20	11
	66		30	10
	68		37	7
	70		43	6
	72		50	7
	74	2 55	3 06	11 Conn
	76		16	10
	78		26	10
	80		36	10
	82		48	12
	84		59	11
	86		4 07	8
	88		13	6
	90		18	5
	92		24	6
	94		30	6
	96		35	5
	98		40	5
26	00		43	3
	2		47	4
	4	5 52	57	5 Conn
	6		5 04	7
	8		15	11
	10		26	11
	12		33	7
	14		48	15
	16		6 05	17
	18		17	12

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM	WELL NO.	LOCATION
COUNTY	STATE	CONTRACTOR
		DATE

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
26	18	6:18	6:32	14	
	22		44	12	
	24		56	12	
	26		7:08	12	
	28		20	12	
	30		28	8	
	32		36	8	
	34		42	6	
	36	8:00	12	10	Conn. Jet. Pits
	38		20	8	
	40		24	4	
	42		28	4	
	44		32	4	
	46		36	4	
	48		38	2	
	50		40	2	
	52		42	2	
	54		44	2	
	56		46	2	
	58		50	2	
	60		58	8	
	62		18	20	
	64		35	17	
	66		50	15	
	68	9:57	10:03	6	Conn
	70		15	12	
	72		22	7	
	74		30	8	
	76		44	14	
	78		11:00	16	
	80		14	14	
	82		28	14	
	84		36	8	
	86		46	10	
	88		12:00	14	
	90		09	9	
	92		19	10	
	94		29	10	
	96		44	15	
	98	12:50	58	8	Conn.
27	00		1:08	16	Tri
	2	3:30	28	8	
	4		34	6	
	6		40	6	
	8		45	5	
	10		50	5	
	12		54	4	
	14		59	5	
	16		5:05	6	
	18		10	5	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.		LOCATION	
Calberg		A-1		27-14-21	
COUNTY		STATE		CONTRACTOR	
Trego		Kansas		J.D. Farmer	
DATE		DRILLING TIME		REMARKS	
6-19-64					
DEPTH		DRILLING TIME		ACTUAL TIME	
FROM	TO	BEGAN	ENDED		
2715	20	5:10	5:15	5	
	22		18	3	
	24		23	5	
	26		26	3	
	28		29	3	Common
	30	31	35	2	
	32		37	4	
	34		40	3	
	36		46	6	
	38		50	4	
	40		53	3	
	42		56	3	
	44		4:--	4	
	46		03	3	
	48		16	3	
	50		10	4	
	52		15	5	
	54		22	5	
	56		25	5	
	58		5:30	5	
	2760		83	3	Common
	62	37	13	6	
	64		49	6	
	66		54	5	
	68		6:--	6	
	70		04	4	
	72		17	3	
	74		10	3	
	76		13	5	
	78		19	4	
	80		23	4	
	82		27	4	
	84		32	5	
	86		36	4	
	88		40	4	
	90		48	8	
	92	54	6:59	5	Common
	94		7:05	7	
	96		12	7	
	98		20	8	
	9900		27	7	
	2		37	10	
	4		49	12	
	6		59	10	
	8		8:07	8	
	10		14	7	
	12		21	7	
	14		9:30	9	
	16		39	9	
	2818		48	10	

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FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.	LOCATION		
COUNTY		STATE	CONTRACTOR	DATE	
Calberg		H-1	27-14-21		
Trego		Kansas	J. Farmer	6-19-64	
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
2718	2720	7:49	9:—	11	
	22		14	14	
	24	90	31	11	Conn
	26		41	10	
	28		44	8	
	30		54	5	
	32		10—	6	
	32 1/2		05	5	
	36		11	6	
	38		23	12	
	40		27	4	
	42		34	7	
	44		43	9	
	46		52	9	
	48		58	6	
	50		11 0 5	7	
	52		13	8	
	54		24	9	
	56		55	11	Conn & rig 20 min
	58		59	4	
	60		1203	4	
	62		7	4	
	64		11	4	
	66		19	8	
	68		25	6	
	70		29	4	
	72		33	4	
	74		37	4	
	76		45	8	
	78		53	8	
	80		1:58	5	
	82		2:15	11	Rotary chain 1 hr 6 min
	84		23	8	
	86		32	9	
	88	2:38	47	9	Conn
	2990		55	8	
	92		3 03	8	
	94		10	7	
	96		18	8	
	98		30	12	
	2960		42	12	
	2		48	6	
	4		53	5	
	6		4 00	7	
	8		10	10	
	10		22	12	
	12		32	10	
	14		40	8	
	16		48	8	
	18		5 55	7	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.		LOCATION	
Colberg		A-1			
COUNTY		STATE		CONTRACTOR	
Trego		Kansas		John O Farmer	
				DATE	
				6-20	
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
29 18	20	5:01	.07	6	Bit #5 Recd. 4 ft.
	22		18	11	
	24		28	10	
	26		37	9	
	28		45	8	
	30		52	7	
	32		58	6	
	34		6:03	5	
	36		9	6	
	38		15	6	
	40		25	10	
	42		32	7	
	44		40	8	
	46		43	3	
	48		46	3	
	50	6:52	55	3	Conn. Grease Rig
	52		58	3	
	54		03	5	
	56		10	7	
	58		17	7	
	60		24	7	
	62		30	6	
	64		36	6	
	66		41	5	
	68	7:51	56	5	
29	70		01	5	
	72		06	5	
	74		12	6	
	76		17	5	
	78		21	10	Conn.
	80		26	6	
	82	8:41	48	7	
	84		9:00	12	
	86		14	14	
	88		21	7	
29	90		28	7	
	92		38	10	
	94		41	10	
	96		55	10	
	98		10:05	10	
30	00		18	8	Conn.
	2		25	7	
	4		31	6	
	6		37	6	
	8		43	6	
	10		55	12	
	12		11:05	10	
	14	11:10	15	5	
	16		20	5	
30	18		26	6	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM	WELL NO.	LOCATION
COUNTY	STATE	CONTRACTOR
		DATE

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3018	3020	11:26	11:32	6	
	22		11:38	6	
	24		11:48	10	
	26		11:54	12	
	28		10:04	6	
	30		12 4	7	
	32		12 18	7	
	34		12 30	12	
	36		10 40	10	
	38		55	15	
	40		1:10	15	
	42	3:05	3:13	8	
	44		19	6	Conn
	46	3:30	38	8	
	48		47	9	
	50		55	8	
	52		5:01	6	
	54		06	5	
	56		12	6	
	58		18	6	
	60		24	6	
	62		30	6	
	64		36	6	
	66		43	7	
	68		50	7	
	70		5:—	10	
	72		04	4	
	74		08	4	
	76	12	16	4	Conn
	78		20	4	
	3080		28	8	
	82		36	8	
	84		40	4	
	86		46	6	
	88		56	10	
	90		6:04	8	
	92		14	10	
	94		21	7	
	96		26	5	
	98		33	7	
	3100		40	7	
	2		45	5	
	4		50	5	
	6		54	4	
	8	58	1:—	2	Conn
	10		02	2	
	12		05	3	
	14		10	5	
	16		16	6	
	18		23	7	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.	LOCATION		
Calberg		A-1	27-14-21		
COUNTY	STATE	CONTRACTOR		DATE	
Trego	Kans.	J.D. Farmer		6-20-64	
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3115	20	7:23	30	7	vis 34
	22		36	6	
	24		41	5	
	26		47	6	
	28		50	3	
	30		54	4	
	32		8:00	6	
	34		16	6	
	36		12	6	
	38		20	7	conn
	40	8:24	30	6	
	42		34	4	
	44		38	4	
	46		42	4	
	48		48	6	
	31 50		51	3	
	52		57	6	
	54		9:04	7	
	56		10	6	
	58		17	7	
	60		24	7	
	62		27	3	
	64		29	2	
	66		31	2	
	68		34	3	vis 33
	70		39	5	
	72	48	53	6	conn
	74		59	6	
	76		10:10	11	
	78		10:20	10	
	80		27	7	
	82		35	8	
	84		41	6	
	86		47	6	
	88		54	7	
	3190		58	4	
	92		11:02	4	
	94		7	5	
	96		12	5	
	98		17	5	
	3200		21	4	
	2		24	3	
	4		35	2	conn & rig 9 min
	6		38	3	
	8		41	3	vis - 39
	10		47	6	
	12		54	7	
	14		12:02	8	
	16		11	9	
	18		22	11	

INSTRUCTIONS: Fill out this report in TRIPPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION	
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>John O Farmer</i>	DATE <i>6-24-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
<i>32</i>	<i>18</i>	<i>12 22</i>	<i>32</i>	<i>10</i>	
	<i>22</i>		<i>39</i>	<i>7</i>	
	<i>24</i>		<i>46</i>	<i>7</i>	
	<i>26</i>		<i>53</i>	<i>7</i>	
	<i>28</i>		<i>59</i>	<i>6</i>	
	<i>30</i>		<i>1 09</i>	<i>10</i>	
	<i>32</i>		<i>19</i>	<i>10</i>	
	<i>34</i>		<i>28</i>	<i>9</i>	
	<i>36</i>		<i>42</i>	<i>8</i>	<i>conn 6 min</i>
	<i>38</i>		<i>50</i>	<i>8</i>	
	<i>40</i>		<i>2 00</i>	<i>10</i>	<i>vis - 38</i>
	<i>42</i>		<i>10</i>	<i>10</i>	
	<i>44</i>		<i>21</i>	<i>11</i>	
	<i>46</i>		<i>31</i>	<i>10</i>	
	<i>48</i>		<i>38</i>	<i>7</i>	
<i>32</i>	<i>50</i>		<i>43</i>	<i>5</i>	
	<i>52</i>		<i>52</i>	<i>9</i>	
	<i>54</i>		<i>3 03</i>	<i>11</i>	
	<i>56</i>		<i>12</i>	<i>9</i>	
	<i>58</i>		<i>18</i>	<i>6</i>	
	<i>60</i>		<i>24</i>	<i>6</i>	
	<i>62</i>		<i>28</i>	<i>4</i>	
	<i>64</i>		<i>34</i>	<i>6</i>	
	<i>66</i>		<i>39</i>	<i>5</i>	
	<i>68</i>	<i>3 45</i>	<i>49</i>	<i>4</i>	<i>conn</i>
	<i>70</i>		<i>52</i>	<i>3</i>	
	<i>72</i>		<i>55</i>	<i>3</i>	
	<i>74</i>		<i>57</i>	<i>2</i>	
	<i>76</i>		<i>4 00</i>	<i>3</i>	
	<i>78</i>		<i>6</i>	<i>6</i>	
	<i>80</i>		<i>15</i>	<i>9</i>	
	<i>82</i>		<i>28</i>	<i>13</i>	
	<i>84</i>		<i>34</i>	<i>6</i>	
	<i>86</i>		<i>43</i>	<i>9</i>	
	<i>88</i>		<i>50</i>	<i>7</i>	
	<i>90</i>		<i>58</i>	<i>8</i>	
	<i>92</i>		<i>5 05</i>	<i>7</i>	
	<i>94</i>		<i>15</i>	<i>10</i>	
	<i>96</i>		<i>23</i>	<i>8</i>	
	<i>98</i>		<i>32</i>	<i>9</i>	
	<i>33 00</i>	<i>5:38</i>	<i>47</i>	<i>9</i>	<i>conn</i>

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>John O Farmer</i>
		DATE <i>6-21-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
<i>33 00</i>	<i>33 01</i>	<i>5 42</i>	<i>52</i>	<i>5</i>	<i>VIS - 37</i>
	<i>2</i>		<i>57</i>	<i>5</i>	
	<i>3</i>		<i>59</i>	<i>2</i>	
	<i>4</i>		<i>6 00</i>	<i>1</i>	
	<i>5</i>		<i>01</i>	<i>1</i>	
	<i>6</i>		<i>3</i>	<i>2</i>	
	<i>7</i>		<i>9</i>	<i>6</i>	
	<i>8</i>		<i>14</i>	<i>5</i>	
	<i>9</i>		<i>18</i>	<i>4</i>	
	<i>33 10</i>		<i>21</i>	<i>3</i>	
	<i>11</i>		<i>25</i>	<i>4</i>	
	<i>12</i>		<i>28</i>	<i>3</i>	
	<i>13</i>		<i>31</i>	<i>3</i>	
	<i>14</i>		<i>34</i>	<i>3</i>	
	<i>15</i>		<i>40</i>	<i>6</i>	
	<i>16</i>		<i>47</i>	<i>7</i>	
	<i>17</i>		<i>53</i>	<i>8</i>	
	<i>18</i>		<i>7:02</i>	<i>7</i>	
	<i>19</i>		<i>10</i>	<i>8</i>	
	<i>33 20</i>		<i>20</i>	<i>10</i>	
	<i>21</i>		<i>30</i>	<i>10</i>	
	<i>22</i>		<i>42</i>	<i>12</i>	
	<i>23</i>		<i>54</i>	<i>12</i>	
	<i>24</i>		<i>8 03</i>	<i>8</i>	
	<i>25</i>		<i>08</i>	<i>6</i>	
	<i>26</i>		<i>14</i>	<i>6</i>	
	<i>27</i>		<i>20</i>	<i>6</i>	
	<i>28</i>		<i>24</i>	<i>9</i>	
	<i>29</i>		<i>28</i>	<i>4</i>	
	<i>33 30</i>	<i>8 35</i>	<i>41</i>	<i>6</i>	<i>COMM. GREASE PIP</i>
	<i>31</i>		<i>50</i>	<i>9</i>	
	<i>32</i>		<i>58</i>	<i>8</i>	
	<i>33</i>		<i>9:05</i>	<i>7</i>	
	<i>34</i>		<i>12</i>	<i>7</i>	
	<i>35</i>		<i>22</i>	<i>10</i>	
	<i>36</i>		<i>32</i>	<i>10</i>	
	<i>37</i>		<i>44</i>	<i>12</i>	
	<i>38</i>		<i>51</i>	<i>7 10</i>	
	<i>39</i>		<i>56</i>	<i>5</i>	
	<i>33 40</i>		<i>10:03</i>	<i>7</i>	<i>VIC 38</i>
	<i>41</i>		<i>15</i>	<i>12</i>	
	<i>42</i>		<i>27</i>	<i>12</i>	
	<i>43</i>		<i>39</i>	<i>12</i>	
	<i>44</i>		<i>51</i>	<i>12</i>	
	<i>45</i>		<i>11:01</i>	<i>10</i>	
	<i>46</i>		<i>11</i>	<i>10</i>	
	<i>47</i>		<i>14</i>	<i>3</i>	
	<i>48</i>		<i>17</i>	<i>3</i>	
	<i>49</i>		<i>21</i>	<i>4</i>	
	<i>33 50</i>		<i>25</i>	<i>4</i>	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

Colberg
Trejo

FARM	WELL NO.	LOCATION	
<i>Trejo</i>	<i>A-1</i>		
COUNTY	STATE	CONTRACTOR	DATE
	<i>Kans</i>	<i>John O Farmer</i>	<i>6-21-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
<i>33</i>	<i>50</i>	<i>11:25</i>	<i>.29</i>	<i>4</i>	
	<i>52</i>	<i>24</i>	<i>.34</i>	<i>5</i>	
	<i>53</i>		<i>.40</i>	<i>6</i>	
	<i>54</i>		<i>.48</i>	<i>8</i>	
	<i>55</i>		<i>.55</i>	<i>7</i>	
	<i>56</i>	<i>12:02</i>		<i>7</i>	
	<i>57</i>		<i>14</i>	<i>12</i>	
	<i>58</i>		<i>29</i>	<i>15</i>	
	<i>59</i>		<i>39</i>	<i>10</i>	
<i>33</i>	<i>60</i>		<i>49</i>	<i>10</i>	<i>Trip</i>
	<i>61</i>	<i>3:25</i>	<i>28</i>	<i>8</i>	
	<i>62</i>		<i>31</i>	<i>3</i>	
	<i>63</i>		<i>34</i>	<i>3</i>	
	<i>64</i>		<i>38</i>	<i>4</i>	
	<i>65</i>		<i>40</i>	<i>2</i>	
	<i>66</i>		<i>48</i>	<i>8</i>	
	<i>67</i>		<i>56</i>	<i>8</i>	
	<i>68</i>		<i>4:05</i>	<i>9</i>	
	<i>69</i>		<i>14</i>	<i>9</i>	
<i>33</i>	<i>70</i>		<i>21</i>	<i>7</i>	
	<i>71</i>		<i>31</i>	<i>10</i>	
	<i>72</i>				
	<i>73</i>				
	<i>74</i>				
	<i>75</i>				
	<i>76</i>				
	<i>77</i>				
	<i>78</i>				
	<i>79</i>				
<i>33</i>	<i>80</i>				
	<i>81</i>				
	<i>82</i>				
	<i>83</i>				
	<i>84</i>				
	<i>85</i>				
	<i>86</i>				
	<i>87</i>				
	<i>88</i>				
	<i>89</i>				
<i>33</i>	<i>90</i>				
	<i>91</i>				
	<i>92</i>				
	<i>93</i>				
	<i>94</i>				
	<i>95</i>				
	<i>96</i>				
	<i>97</i>				
	<i>98</i>				
	<i>99</i>				
<i>34</i>	<i>00</i>				

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>17.1</i>	LOCATION	
COUNTY <i>Trego</i>	STATE <i>Kans</i>	CONTRACTOR <i>Alf James</i>	DATE <i>6-21-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3400	1	7:21	30	9	
	2		38	8	
	3		44	6	
	4		50	6	
	5		57	7	
	6		9:03	6	
	7		11	8	
	8		20	9	
	9		27	7	
	10		33	6	
	11	48	55	7	Pump water off pits
	12		9:01	6	
	13		11	10	
	14		24	13	
	15		9:35	11	
	16		40	5	
	17		41	1	
	18		42	1	
	19		48	6	
	3420		56	8	
	21		04	8	
	22		15	11	
	23		24	9	
	24		29	5	
	25		34	5	
	26	10:43	48	5	conn
	27		52	4	
	28		55	3	
	29		11:00	5	
	3430		4	4	
	31		9	5	
	32		13	4	
	33		18	5	
	34		24	6	
	35		28	4	
	36		33	5	
	37		38	5	
	38		44	6	
	39		54	10	
	3440		12:03	9	
	41		11	8	
	42		16	5	
	43		24	8	
	44		32	8	
	45		40	8	
	46		47	7	
	47		53	6	
	48		59	6	
	49		1:04	5	
	3450		10	2	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION	
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>John O Farmer</i>	DATE <i>6-22-64</i>

DEPTH.		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
<i>3450</i>	<i>3451</i>	<i>1 10</i>	<i>1 15</i>	<i>5</i>	
	<i>52</i>		<i>21</i>	<i>6</i>	
	<i>53</i>		<i>26</i>	<i>5</i>	
	<i>54</i>		<i>31</i>	<i>5</i>	
	<i>55</i>		<i>37</i>	<i>6</i>	
	<i>56</i>		<i>42</i>	<i>5</i>	
	<i>57</i>	<i>1 42</i>	<i>54</i>	<i>7</i>	<i>Conn</i>
	<i>58</i>		<i>59</i>	<i>5</i>	
	<i>59</i>		<i>2 06</i>	<i>7</i>	
	<i>3460</i>		<i>13</i>	<i>7</i>	
	<i>61</i>		<i>20</i>	<i>7</i>	
	<i>62</i>		<i>27</i>	<i>7</i>	
	<i>63</i>		<i>33</i>	<i>6</i>	
	<i>64</i>		<i>40</i>	<i>7</i>	
	<i>65</i>		<i>46</i>	<i>6</i>	
	<i>66</i>		<i>52</i>	<i>6</i>	
	<i>67</i>		<i>58</i>	<i>6</i>	
	<i>68</i>		<i>3 06</i>	<i>8</i>	
	<i>69</i>		<i>15</i>	<i>9</i>	
	<i>3470</i>		<i>23</i>	<i>8</i>	
	<i>71</i>		<i>31</i>	<i>8</i>	
	<i>72</i>		<i>38</i>	<i>7</i>	
	<i>73</i>		<i>44</i>	<i>6</i>	
	<i>74</i>		<i>52</i>	<i>8</i>	
	<i>75</i>		<i>4 02</i>	<i>10</i>	
	<i>76</i>		<i>12</i>	<i>10</i>	
	<i>77</i>		<i>21</i>	<i>9</i>	
	<i>78</i>		<i>30</i>	<i>9</i>	
	<i>79</i>		<i>37</i>	<i>7</i>	
	<i>3480</i>		<i>50</i>	<i>13</i>	
	<i>81</i>		<i>59</i>	<i>9</i>	
	<i>82</i>		<i>5 08</i>	<i>9</i>	
	<i>83</i>		<i>18</i>	<i>10</i>	
	<i>84</i>		<i>28</i>	<i>10</i>	
	<i>85</i>		<i>38</i>	<i>10</i>	
	<i>86</i>		<i>48</i>	<i>10</i>	
	<i>87</i>		<i>53</i>	<i>5</i>	
	<i>88</i>		<i>58</i>	<i>5</i>	
	<i>89</i>	<i>6 03</i>	<i>6 09</i>	<i>5</i>	<i>Conn</i>
	<i>3490</i>		<i>16</i>	<i>8</i>	
	<i>91</i>		<i>25</i>	<i>9</i>	
	<i>92</i>		<i>33</i>	<i>8</i>	
	<i>93</i>		<i>43</i>	<i>10</i>	
	<i>94</i>		<i>53</i>	<i>10</i>	
	<i>95</i>		<i>02</i>	<i>9</i>	
	<i>96</i>		<i>14</i>	<i>12</i>	
	<i>97</i>		<i>25</i>	<i>11</i>	
	<i>98</i>		<i>35</i>	<i>10</i>	
	<i>99</i>		<i>45</i>	<i>10</i>	
	<i>1500</i>		<i>54</i>	<i>9</i>	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.		LOCATION	
COUNTY		STATE		CONTRACTOR	
DATE					
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
35 00	35 01	8 03	8:10	8	Increase Rig
	2		8:26	10	
	3		'30	10	
	4		40	10	
	5		52	12	
	6		04	12	
	7		16	12	
	8		26	10	
	9		36	10	
	35 10		46	10	
	11		53	9	
	12		10:05	10	
	13		15	10	
	14		26	11	
	15		36	10	
	16		44	8	
	17		53	9	
	18		11:01	8	
	19		10	9	
	35 20		21	11	
	21	11 33	43	10	Comm. tight - Brakes
	22		53	10	
	23		01	18	
	24		09	8	
	25		17	8	
	26		27	10	
	27		35	8	
	28		42	7	
	29		50	8	
	35 30		1 00	10	
	31		10	10	
	32		18	8	
	33		25	7	
	34		35	10	
	35		37	7	
	36		47	8	
	37		56	9	
	38		2:04	8	
	39		13	9	VIS 39
	35 40		22	9	
	41		31	9	
	42		42	11	
	43		3:53	11	
	44		3:04	11	
	45		14	10	
	46		3:25	11	
	47	4:28	40	12	
	48		51	11	
	49		5:01	10	
	35 50		13	12	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING
TULSA 3, OKLAHOMA

TIME LOG

FARM	WELL NO.	LOCATION
COUNTY	STATE	CONTRACTOR
		DATE

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3550	51	5:13	25'	12	Trip + strap D.P.
	52	7:55	8'	5	
	53		8:07	7	
	54		15'	5	
	55		24'	9	
	56		33'	9	
	57		42'	9	
	58		50'	8	
	59		59'	7	
	3560		9:04	7	
	61		12'	8	
	62		20'	8	
	63		28'	8	
	64		36'	8	
	65		45'	9	vis 40
	66		53'	8	
	67		10:01	8	
	68		10:11	10	
	69		20'	9	
	3570		31'	11	
	71		41'	10	
	72		51'	10	
	73		58'	7	
	74		11:00	9	
	75		14'	7	
	76		23'	9	
	77		33'	10	
	78		45'	12	
	79		54'	9	
	3580		12:03	9	
	81		13'	10	
	82		22'	9	
	83		32'	10	
	84	12:47	52'	5	CONC & RIG
	85		58'	6	vis 42
	86		1:08	10	
	87		17'	9	
	88		28'	11	
	89		34'	6	
	3590		39'	5	
	91		44'	5	
	92		50'	6	
	93		56'	6	
	94		7:02	6	
	95		8'	6	
	96		13'	5	
	97		22'	9	
	98		34'	12	
	99		45'	11	
	3600		55'	10	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.	LOCATION		
COUNTY		STATE	CONTRACTOR	DATE	
Colberg		A-1			
Trego		Kansas	John O Farmer		
DEPTH.		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3600	3601	2:55	3:05	10	
	2		14	9	
	3		25	11	
	4		36	9	
	5		45	9	
	6		55	10	
	7		4:05	10	
	8		17	12	
	9		27	10	
	3610		38	11	
	11		48	10	
	12		59	11	
	13		5:02	9	
	14		17	10	
	15	5:24	34	10	CO111
	16		43	9	
	17		51	8	
	18		59	8	
	19		6:06	7	
	3620		17	11	
	21		27	10	
	22		37	10	
	23		45	8	
	24		54	9	
	25		7:02	8	
	26		71	9	
	27		20	9	
	28		30	10	
	29		40	10	
	3630		52	12	
	31		9:02	10	
	32		12	10	
	33		22	10	
	34		34	12	
	35		46	12	
	36		57	11	
	37		06	9	
	38		15	9	
	39		24	9	
	3640		25	9	
	41		34	9	
	42		54	10	
	43		09	10	
	44		14	10	
	45		23	9	
	46		32	9	
	47	10:42	51	9	CONN. & R.I.P
	48		59	8	
	49		62	13	
	3650		26	14	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Calberg</i>	WELL NO. <i>#1</i>	LOCATION
COUNTY <i>Trego</i>	STATE <i>Ks</i>	CONTRACTOR <i>J. D. Farmer</i>
		DATE <i>6-23-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
36 50	36 51	11:26	38	12	
	52		50	12	
	53		12:01	11	
	54		11	10	
	55		22	11	
	56		32	10	
	57		44	12	
	58		56	12	Trip + work on Rig
	59	5:45	52	7	
	60		1:—	8	
	61		56	6	
	62		12	6	
	63		19	7	
	64		27	8	
	65		34	7	
	66		40	6	
	67		46	6	
	68		52	6	
	69		58	6	
	70		7:04	6	
	71		10	6	
	72		17	7	
	73		24	7	
	74		31	7	
	75		40	9	VIS 44
	76		49	9	
	77		59	10	Common
	78	9:08	16	8	
	79		24	8	
	36 80		33	9	
	81		41	8	
	82		50	9	
	83		57	7	
	84		9:08	7	
	85		9:20	12	
	86		31	11	
	87		42	11	
	88		46	4	
	89		50	4	
	36 90		54	4	VIS 44
	91		9:57	3	
	92		10:—	3	
	93		03	3	
	94		05	2	
	95		07	3	
	96		13	5	
	97		21	8	
	98		28	7	
	99		37	9	
	37 00		48	11	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.	LOCATION		
COUNTY		STATE	CONTRACTOR		DATE
Colberg		A-1			
Trego		Kansas	John O Farmer		6-23-64
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3700	37 01	10 48	10 57	11	
	2		11 09	9	
	3		19	11	
	4		31	12	
	5		39	8	
	6		48	7	
	7		47	4	
	8		55	8	
	9		12 01	6	
	37 10	12 12	17	5	Conn & nig
	11		25	8	
	12		32	7	vis - 43
	13		40	8	
	14		49	9	
	15		58	9	
	16		1 05	7	
	17		14	9	
	18		23	9	
	19		35	12	
	37 20		47	12	
	21		52	5	
	22		59	7	
	23		2 06	7	
	24		13	7	
	25		21	8	
	26		31	10	
	27		40	9	
	28		49	9	
	29		58	9	
	37 30		3 08	10	
	31		17	9	
	32		26	9	
	33		35	9	
	34		42	7	
	35		51	9	
	36		59	8	
	37		4 08	9	
	38		16	8	
	39		26	10	
	37 40		34	8	
	41		42	8	
	42	4 45	56	8	CONN
	43		5 07	11	
	44		16	9	
	45		26	10	
	46		36	10	
	47		46	10	
	48		55	9	
	49		6 04	9	
	37 50		14	10	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM	WELL NO.	LOCATION
COUNTY	STATE	CONTRACTOR
		DATE

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3750	3751	6:14	6:25	11	
	52		34	9	
	53		42	8	
	54		50	8	
	55		57	7	
	56		7:05	8	
	57		12	7	
	58		20	8	
	59		27	7	
	3760		35	8	
	61		42	7	
	62		49	7	
	63		55	6	
	64		8:02	7	
	65		10	8	
	66		20	10	
	67		30	10	
	68		40	10	
	69		48	8	
	70		56	8	
	71		9:03	7	
	72		09	6	
	73	9:23	29	6	Conn. Jet Hole ^{5/11/27}
	74		35	6	Grease R. 2
	75		44	9	
	76		54	10	
	77		10:05	11	
	78		18	10	
	79		24	9	
	3780		32	8	
	81		40	8	
	82		48	8	
	83		56	8	
	84		04	8	
	85		12	8	
	86		20	8	
	87		28	8	
	88		36	8	
	89		43	7	
37	90		50	7	
	91		56	6	
	92		12:02	6	
	93		10	8	
	94		20	10	
	95		30	10	
	96		40	10	
	97		48	8	
	98		56	8	
	99		1:04	8	
	3800		1:11	7	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Calberg</i>	WELL NO. <i>H-1</i>	LOCATION
COUNTY <i>Trego</i>	STATE <i>KS</i>	CONTRACTOR <i>M. Fanner</i>
		DATE <i>6-24</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3800	3801	1:11	1:17	6	
	2		22	5	
	3		28	5	
	4		33	5	
	5	1:32	43	6	Conn.
	6		49	6	
	7		55	6	
	8		2:02	7	
	9		12	10	
	10		26	14	
	11		37	11	
	12		53	16	
	13		3:06	13	
	14		16	10	
	15		28	12	
	16		40	12	
	17		52	12	
	18		4:04	12	
	19		15	11	
	3820		35	20	
	21		54	19	
	22		5:15	21	Trip
	23	7:50	58	8	
	24		508	10	
	25		19	11	
	26		30	11	
	27		40	10	
	28		51	11	
	29		9:03	12	
	3830		15	11	
	31		25	10	
	32		36	11	
	33		48	12	
	34		59	11	
	35		10:09	10	
	36	10:12	22	10	Conn.
	37		32	10	
	38		38	6	
	39		47	9	
	3840		57	10	
	41		11:04	7	
	42		11	7	
	43		18	7	
	44		23	5	vis-44
	45		30	7	
	46		39	9	
	47		48	9	
	48		57	9	
	49		12:06	9	
	3850		13	7	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.	LOCATION		
Colberg		A-1			
COUNTY		STATE	CONTRACTOR		DATE
Trego		Kansas	John O Farmer		6-25-64
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3850	3851	12:13	18	5	
	52		21	3	
	53		24	3	
	54		32	8	
	55		39	7	
	56		48	7	
	57		59	11	
	58		1:08	9	
	59		17	7	
	3860		25	8	
	61		35	10	
	62		45	10	
	63		52	7	
	64		2:00	8	
	65		10	10	
	66		20	10	
	67		30	10	
	68	2:40	50	10	circ
	69		59	9	
	3870		3:09	10	
	71		3:18	9	
	72		38	10	
	73		38	10	
	74		50	12	
	75		59	9	Circ
	76	4:16	20	4	
	77		37	17	
	78		56	17	
	79		5:07	11	
	3880		22	15	Circ
	81	7:31	39	8	
	82		49	10	
	83		59	10	
	84		7:07	8	
	85		17	10	
	86		29	12	
	87		42	13	
	88		53	11	
	89		8:02	7	
	3890		8:11	11	D.S.T. 1
	91	4:45	50	5	
	92		20	5	
	93		5:01	6	
	94		08	7	
	95		14	6	
	96		20	8	
	97		26	6	
	98		32	8	corner 434
	99	44	47	5	
	3900		35	6	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.		LOCATION	
Colberg		H-1			
COUNTY		STATE		CONTRACTOR	
Tulsa		Kansas		J.D. Farmer	
DATE					
6-25					
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3900	1	5:55	6-	5	
	2		05	5	
	3		11	6	
	4		17	6	
	5		22	5	
	6		28	6	
	7		33	5	
	8		39	6	
	9		45	6	
3910	10		6:52	7	circ 1/2 in
	11	7:25	30	5	
	12		36	6	
	13		43	6	
	14		50	7	
	15		55	8	
	16		7:04	6	
	17		13	9	
	18		22	9	
	19		27	6	
3920	20		34	6	
	21		40	6	
	22		47	7	
	23		8:53	6	
	24		58	5	
	25		9:04	6	
	26		09	5	
	27		15	6	
	28		21	6	
	29		26	5	
3930	30		31	5	conn
	31	9:40	45	5	vis 40
	32		51	6	
	33		57	6	
	34		10:03	6	
	35		15	9	
	36		18	6	
	37		24	6	
	38		32	8	
	39		39	7	
3940	40				
	41				
	42				
	43				
	44				
	45				
	46				
	47				
	48				

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.	LOCATION			
Calberg		A-1				
COUNTY		STATE	CONTRACTOR	DATE		
Treyo		Kans	J. D. Farmer	6-16-64		
DEPTH	FROM	TO	DRILLING TIME		ACTUAL TIME	REMARKS
			BEGAN	ENDED		
	1000	05	11:55	59	4	
		10		1202	3	
		15		03	1	
		20		05	2	
		25		06	1	
		30		07	1	
		35	1208	09	1	Conn
		40		10	1	
		45		11	1	
	1050			12	1	
		55		13	1	
		60		14	1	
		65		15	1	
		70	1225	26	1	Conn & Jet
		75		27	1	
		80		28	1	
		85		29	1	
		90		30	1	
		95		31	1	
	1100		1235	36	1	Conn
		5		37	1	
		10		38	1	
		15		39	1	
		20		41	2	
		25		44	3	
		30	1248	50	2	Conn
		35		52	2	
		40		54	2	
		45		55	1	
	1150			56	1	
		55		1 -	4	
		60	1:03	08	5	
		65		11	3	
		70		14	3	
		75		17	3	
		80		19	2	
		85		21	2	
		90		28	2	Conn
		95	127	30	3	
	1200			34	4	
		05		39	5	
		10		43	4	
		15		47	4	
		20		53	6	
		25	1:58	05	5	Conn
		30		08	5	
		35		12	4	
		40		17	5	
		45		22	5	
	1250			2:27	5	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.		LOCATION	
Calberg		A-1			
COUNTY		STATE	CONTRACTOR		DATE
Trego		Kansas	J. Farmer		4-16-64
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
1250	55	12:27	33	6	Conn & Pig
	60	12:39	46	7	
	65		54	8	
	70		3:01	7	
	75		09	8	
	80		19	10	Conn
	85	3:23	32	9	
	90		40	8	
	95		44	4	
	1300		47	3	
	05		52	5	
	10		59	7	
	15		4:07	8	Conn
	20	4:11	15	4	
	25		20	5	
	30		27	7	
	35		42	5	
	40		46	4	
	45		49	3	
	50	4:52	55	5	Conn
	55		58	3	
	60		5:02	3	
	65		05	3	
	70		11	6	
	75		18	7	
	80	5:24	29	5	Conn
	85		36	7	
	90		42	6	
	95		50	8	
	1400		56	6	
	05		6:02	6	
	10		03	5	Conn
	15	08	14	6	
	20		22	8	
	25	6:11	32	10	
	30		48	12	
	35		7:04	16	
	40		7:19	15	Trip & Slope test
	45	8:15	26	11	
	50		33	7	
	55		41	8	
	60		50	9	
	65		9:09	19	
	70		29	20	
	75	9:34	54	20	
	80		10:14	20	
	85		33	19	
	90		50	17	
	95		59	9	
	1500		11:05	6	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

Colberg

FARM	WELL NO. <i>A-1</i>	LOCATION
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>John O Farmer</i>
		DATE <i>6-17-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
<i>15 00</i>	<i>15 05</i>	<i>11 05</i>	<i>11 22</i>	<i>5</i>	<i>Conn & rig 12 min</i>
	<i>10</i>		<i>26</i>	<i>4</i>	
	<i>15</i>		<i>31</i>	<i>5</i>	
	<i>20</i>		<i>36</i>	<i>5</i>	
	<i>25</i>		<i>42</i>	<i>6</i>	
	<i>30</i>		<i>47</i>	<i>5</i>	
	<i>35</i>		<i>57</i>	<i>5</i>	<i>Conn 5 min</i>
	<i>40</i>		<i>12 02</i>	<i>5</i>	
	<i>45</i>		<i>8</i>	<i>6</i>	
	<i>50</i>		<i>14</i>	<i>6</i>	
	<i>55</i>		<i>20</i>	<i>6</i>	
	<i>60</i>		<i>25</i>	<i>5</i>	
	<i>65</i>		<i>30</i>	<i>5</i>	
	<i>70</i>		<i>42</i>	<i>7</i>	<i>Conn 5 min</i>
	<i>75</i>		<i>48</i>	<i>6</i>	
	<i>80</i>		<i>53</i>	<i>5</i>	
	<i>85</i>		<i>58</i>	<i>5</i>	
	<i>90</i>		<i>1 05</i>	<i>7</i>	
	<i>95</i>		<i>11</i>	<i>6</i>	
	<i>16 00</i>		<i>20</i>	<i>4</i>	<i>Conn 5 min</i>
	<i>5</i>		<i>27</i>	<i>7</i>	
	<i>10</i>		<i>34</i>	<i>7</i>	
	<i>15</i>		<i>42</i>	<i>8</i>	
	<i>20</i>		<i>47</i>	<i>5</i>	
	<i>25</i>		<i>53</i>	<i>6</i>	
	<i>30</i>		<i>2 04</i>	<i>6</i>	<i>Conn 5 min</i>
	<i>35</i>		<i>11</i>	<i>7</i>	
	<i>40</i>		<i>19</i>	<i>8</i>	
	<i>45</i>		<i>27</i>	<i>8</i>	
	<i>50</i>		<i>35</i>	<i>8</i>	
	<i>55</i>		<i>43</i>	<i>8</i>	
	<i>60</i>		<i>49</i>	<i>6</i>	
	<i>65</i>	<i>2 54</i>	<i>3 00</i>	<i>6</i>	<i>Conn</i>
	<i>70</i>		<i>6</i>	<i>6</i>	
	<i>75</i>		<i>13</i>	<i>7</i>	
	<i>80</i>		<i>22</i>	<i>9</i>	
	<i>85</i>		<i>27</i>	<i>5</i>	
	<i>90</i>		<i>35</i>	<i>8</i>	
	<i>95</i>		<i>46</i>	<i>6</i>	<i>conn 5 min</i>
	<i>17 00</i>		<i>53</i>	<i>7</i>	
	<i>5</i>		<i>4 03</i>	<i>10</i>	
	<i>10</i>		<i>10</i>	<i>7</i>	
	<i>15</i>		<i>18</i>	<i>8</i>	
	<i>20</i>		<i>26</i>	<i>8</i>	
	<i>25</i>		<i>38</i>	<i>7</i>	<i>CONN 5 min</i>
	<i>30</i>		<i>46</i>	<i>8</i>	
	<i>35</i>		<i>55</i>	<i>9</i>	
	<i>40</i>		<i>5 04</i>	<i>9</i>	
	<i>45</i>		<i>13</i>	<i>9</i>	
	<i>50</i>		<i>20</i>	<i>7</i>	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.		LOCATION		
Colberg		A-1				
COUNTY		STATE		CONTRACTOR		DATE
Trego		Kansas		John O Farmer		6-17-64
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS	
FROM	TO	BEGAN	ENDED			
17 50	1755	5 20	5 28	8	Bit # 2. smith DT29	
	60	5 33	40	7	CONN	
	65		47	7		
	70		57	10		
	75		6 06	9		
	80		16	10		
	85		26	10		
	90	6:58	7:08	10	CONN. det. Pits Grease Rig	
	95		.16	8		
	18 00		24	8		
	5		32	8		
	10		40	8		
	15		50	10		
	20	8:10	8:17	7	CONN. WORK ON RIG	
	25		27	10		
	30		37	10		
	35		41	4		
	40		48	7		
	45		58	10		
	18 50		9:06	8		
	55	9:10	16	6	CONN.	
	60		23	7		
	65		30	7		
	70		36	6		
	75		42	6		
	80		50	8		
	85		57	7		
	90	10:01	10:06	5	CONN.	
	95		11	5		
	19 00		20	9		
	5		30	10		
	10		37	7		
	15	10:41	47	6	CONN.	
	20		54	7		
	25		11:00	6		
	30		08	8		
	35		15	7		
	40		21	6		
	45	11:26	29	8	CONN.	
	19 50		37	8		
	55		45	8		
	60		52	7		
	65		57	5		
	70		12 02	5		
	75		07	5		
	80	12:11	16	5	CONN.	
	85		22	6		
	90		28	6		
	95		35	7		
	20 00		42	7		

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A 1</i>	LOCATION <i>27-14-21</i>
COUNTY <i>Treco</i>	STATE <i>Kan.</i>	CONTRACTOR <i>J.O. Farmer.</i>
		DATE <i>6-17-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
2000	2005	12:42	12:50	8	
	10	12:55	1:05	10	Conn.
	15		14	9	
	20		21	7	
	25		30	10	
	30		39	9	
	35		49	10	
	40		58	9	Conn
	45	2:03	10	7	
	50		16	6	
	55		22	6	
	60		30	8	
	65		50	20	
	70	2:54	3:04	10	Conn
	75		18	6	
	80		20	10	
	85		29	9	
	90		48	19	
	95		4:12	24	
	2100		34	22	Conn
	5	4:39	4:59	20	
	10		5:14	15	
	15		5:40	26	
	20		6:08	28	
	25		6:38	30	
	30		6:58	20	Trip + Skip test
	35	8:12	8:25	15	
	40		39	14	
	45		51	11	
	50		9:—	9	
	55		9:15	15	
	60		9:30	15	Conn
	65	134	50	16	
	70		10:01	11	
	75		14	13	
	80		21	7	
	85		30	9	
	90		40	10	
	95		11:00	10	conn d wig 10 min
	2200		11	11	
	5		23	12	
	10		33	10	
	15		42	9	
	20		55	13	
	25		12:08	13	
	30	12:14	26	12	Conn
	35		42	12	
	40		53	11	
	45		1:10	17	
	2250		1:20	10	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.		LOCATION	
Colberg		A-1			
COUNTY		STATE		CONTRACTOR	
Trego		Kansas		John O Farmer	
				DATE	
				6-18-64	
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
22 50	22 55	1 20	1 31	11	Bit. # 3. Security
	60		48	11	Conn 6 min
	65		59	11	
	70		2 10	11	
	75		21	11	
	80		33	12	
	85		50	17	
	90		3 07	12	Conn 5 min
	95		18	11	
	23 00		35	17	
	5		51	16	
	10		4 05	14	
	15		18	13	
	20		36	18	
	25	4 42	57	21	Conn
	30		5 05	13	
	35		25	15	
	40		39	14	
	45		6 02	23	
	50		6 25	23	
	55	6 40	7:04	24	Conn. & Rig
	60	7:20	7:40	20	Set Pits
	65		8:05	25	
	70		8:30	25	
	75		55	25	
	80		9 30	35	
	85	9:35	10:00	30	Conn.
	90		20	20	
	95		37	17	
	24 00		57	15	
	5		11 12	20	
	10		27	15	
	15		39	16	
	20	11 43	12:05	22	Conn.
	25		38	23	
	30		1:20	42	Trip
	35	3 10	25	15	
	40		36	11	
	45		46	10	
	24 50	51	4:02	11	Conn
	55		4:16	14	
	60		30	14	
	65		47	17	
	70		47	30	
	75		37	20	Conn
	80	42	6 02	20	
	85		30	28	
	90		45	15	
	95		7:15	30	
	25 00		7 40	25	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION <i>27-14-21</i>	
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>John O. Farmer</i>	DATE <i>6-18</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
<i>25</i>	<i>00</i>				
	<i>25 05</i>	<i>7 40</i>	<i>8 30</i>	<i>50</i>	
	<i>10</i>		<i>9 00</i>	<i>30</i>	
	<i>15</i>	<i>9 04</i>	<i>31</i>	<i>27</i>	<i>conn</i>
	<i>20</i>		<i>52</i>	<i>21</i>	
	<i>25</i>		<i>10 40</i>	<i>48</i>	
	<i>30</i>		<i>11 10</i>	<i>30</i>	
	<i>32</i>		<i>20</i>	<i>10</i>	<i>2 ft time</i>
	<i>34</i>		<i>33</i>	<i>13</i>	
	<i>36</i>		<i>46</i>	<i>13</i>	
	<i>38</i>		<i>12 02</i>	<i>16</i>	
	<i>40</i>		<i>17</i>	<i>15</i>	
	<i>42</i>	<i>12 28</i>	<i>38</i>	<i>10</i>	<i>conn</i>
	<i>44</i>		<i>44</i>	<i>6</i>	
	<i>46</i>		<i>52</i>	<i>8</i>	
	<i>48</i>		<i>58</i>	<i>6</i>	
	<i>50</i>		<i>1 08</i>	<i>10</i>	
	<i>52</i>		<i>18</i>	<i>10</i>	
	<i>54</i>		<i>28</i>	<i>10</i>	
	<i>56</i>		<i>39</i>	<i>11</i>	
	<i>58</i>		<i>48</i>	<i>9</i>	
	<i>60</i>		<i>58</i>	<i>10</i>	
	<i>62</i>		<i>2 09</i>	<i>11</i>	
	<i>64</i>		<i>20</i>	<i>11</i>	
	<i>66</i>		<i>30</i>	<i>10</i>	
	<i>68</i>		<i>37</i>	<i>7</i>	
	<i>70</i>		<i>43</i>	<i>6</i>	
	<i>72</i>		<i>50</i>	<i>7</i>	
	<i>74</i>	<i>2 55</i>	<i>3 06</i>	<i>11</i>	<i>conn</i>
	<i>76</i>		<i>16</i>	<i>10</i>	
	<i>78</i>		<i>26</i>	<i>10</i>	
	<i>80</i>		<i>36</i>	<i>10</i>	
	<i>82</i>		<i>48</i>	<i>12</i>	
	<i>84</i>		<i>59</i>	<i>11</i>	
	<i>86</i>		<i>4 02</i>	<i>8</i>	
	<i>88</i>		<i>13</i>	<i>6</i>	
	<i>90</i>		<i>18</i>	<i>5</i>	
	<i>92</i>		<i>24</i>	<i>6</i>	
	<i>94</i>		<i>30</i>	<i>6</i>	
	<i>96</i>		<i>35</i>	<i>5</i>	
	<i>98</i>		<i>40</i>	<i>5</i>	
	<i>26 00</i>		<i>43</i>	<i>3</i>	
	<i>2</i>		<i>47</i>	<i>4</i>	
	<i>4</i>	<i>5 52</i>	<i>57</i>	<i>5</i>	<i>conn</i>
	<i>6</i>		<i>5 04</i>	<i>7</i>	
	<i>8</i>		<i>15</i>	<i>11</i>	
	<i>10</i>		<i>26</i>	<i>11</i>	
	<i>12</i>		<i>33</i>	<i>7</i>	
	<i>14</i>		<i>48</i>	<i>15</i>	
	<i>16</i>		<i>6 05</i>	<i>17</i>	
	<i>18</i>		<i>17</i>	<i>12</i>	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM	WELL NO.	LOCATION
COUNTY	STATE	CONTRACTOR
		DATE

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
2618	2620	6:18	6:32	14	
	22		44	12	
	24		56	12	
	26		7:08	12	
	28		20	12	
	30		28	8	
	32		36	8	
	34		42	6	
	36	8:00	12	10	Conn. Jet. Pits
	38		20	8	
	40		24	4	
	42		28	4	
	44		32	4	
	46		36	4	
	48		38	2	
	50		40	2	
	52		42	2	
	54		44	2	
	56		46	2	
	58		50	2	
	60		58	8	
	62		18	20	
	64		35	17	
	66		50	15	
	68	9:57	10:03	6	Conn.
	70		15	12	
	72		22	7	
	74		30	8	
	76		44	14	
	78		11:00	16	
	80		14	14	
	82		28	14	
	84		36	8	
	86		46	10	
	88		12:00	14	
	90		09	9	
	92		19	10	
	94		29	10	
	96		44	15	
	98	12:50	58	8	Conn.
27	00		1:08	18	Trip
	2	3:30	28	8	
	4		34	6	
	6		40	6	
	8		45	5	
	10		50	5	
	12		54	4	
	14		59	5	
	16		5:05	6	
	18		10	5	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION <i>27-14-21</i>	
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>J. O. Farmer</i>	DATE <i>6-19-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
<i>2718</i>	<i>20</i>	<i>5:10</i>	<i>5:15</i>	<i>5</i>	
	<i>22</i>		<i>18</i>	<i>3</i>	
	<i>24</i>		<i>23</i>	<i>5</i>	
	<i>26</i>		<i>26</i>	<i>3</i>	
	<i>28</i>		<i>29</i>	<i>3</i>	<i>Conn</i>
	<i>30</i>	<i>31</i>	<i>35</i>	<i>2</i>	
	<i>32</i>		<i>37</i>	<i>4</i>	
	<i>34</i>		<i>40</i>	<i>3</i>	
	<i>36</i>		<i>46</i>	<i>6</i>	
	<i>38</i>		<i>50</i>	<i>4</i>	
	<i>40</i>		<i>53</i>	<i>3</i>	
	<i>42</i>		<i>56</i>	<i>3</i>	
	<i>44</i>		<i>4:--</i>	<i>4</i>	
	<i>46</i>		<i>03</i>	<i>3</i>	
	<i>48</i>		<i>16</i>	<i>3</i>	
	<i>50</i>		<i>10</i>	<i>4</i>	
	<i>52</i>		<i>15</i>	<i>5</i>	
	<i>54</i>		<i>20</i>	<i>5</i>	
	<i>56</i>		<i>25</i>	<i>5</i>	
	<i>58</i>		<i>5:30</i>	<i>5</i>	
	<i>2760</i>		<i>83</i>	<i>3</i>	<i>Conn</i>
	<i>62</i>	<i>37</i>	<i>45</i>	<i>6</i>	
	<i>64</i>		<i>49</i>	<i>6</i>	
	<i>66</i>		<i>54</i>	<i>5</i>	
	<i>68</i>		<i>6:--</i>	<i>6</i>	
	<i>70</i>		<i>04</i>	<i>4</i>	
	<i>72</i>		<i>17</i>	<i>3</i>	
	<i>74</i>		<i>10</i>	<i>3</i>	
	<i>76</i>		<i>15</i>	<i>5</i>	
	<i>78</i>		<i>19</i>	<i>4</i>	
	<i>80</i>		<i>23</i>	<i>4</i>	
	<i>82</i>		<i>27</i>	<i>4</i>	
	<i>84</i>		<i>32</i>	<i>5</i>	
	<i>86</i>		<i>36</i>	<i>4</i>	
	<i>88</i>		<i>40</i>	<i>4</i>	
	<i>90</i>		<i>48</i>	<i>8</i>	
	<i>92</i>	<i>54</i>	<i>6:59</i>	<i>5</i>	<i>Conn</i>
	<i>94</i>		<i>7:05</i>	<i>7</i>	
	<i>96</i>		<i>12</i>	<i>7</i>	
	<i>98</i>		<i>20</i>	<i>8</i>	
	<i>2800</i>		<i>27</i>	<i>7</i>	
	<i>2</i>		<i>37</i>	<i>10</i>	
	<i>4</i>		<i>49</i>	<i>12</i>	
	<i>6</i>		<i>59</i>	<i>10</i>	
	<i>8</i>		<i>8:07</i>	<i>8</i>	
	<i>10</i>		<i>14</i>	<i>7</i>	
	<i>12</i>		<i>21</i>	<i>7</i>	
	<i>14</i>		<i>8:30</i>	<i>9</i>	
	<i>16</i>		<i>39</i>	<i>9</i>	
	<i>2818</i>		<i>49</i>	<i>10</i>	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING
TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION	
COUNTY <i>Trago</i>	STATE <i>Kansas</i>	CONTRACTOR <i>John O Farmer</i>	DATE <i>6-20</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
<i>29</i>	<i>18</i>	<i>5:01</i>	<i>.07</i>	<i>6</i>	<i>Bit #5 recd. 47.</i>
	<i>22</i>		<i>18</i>	<i>11</i>	
	<i>24</i>		<i>28</i>	<i>10</i>	
	<i>26</i>		<i>37</i>	<i>9</i>	
	<i>28</i>		<i>45</i>	<i>8</i>	
	<i>30</i>		<i>52</i>	<i>7</i>	
	<i>32</i>		<i>58</i>	<i>6</i>	
	<i>34</i>		<i>6:03</i>	<i>6</i>	
	<i>36</i>		<i>9</i>	<i>6</i>	
	<i>38</i>		<i>15</i>	<i>6</i>	
	<i>40</i>		<i>25</i>	<i>10</i>	
	<i>42</i>		<i>32</i>	<i>7</i>	
	<i>44</i>		<i>40</i>	<i>8</i>	
	<i>46</i>		<i>43</i>	<i>3</i>	
	<i>48</i>		<i>46</i>	<i>3</i>	
	<i>50</i>	<i>6:52</i>	<i>55</i>	<i>3</i>	<i>Conn. Grease Rig</i>
	<i>52</i>		<i>58</i>	<i>3</i>	
	<i>54</i>		<i>02</i>	<i>5</i>	
	<i>56</i>		<i>10</i>	<i>7</i>	
	<i>58</i>		<i>17</i>	<i>7</i>	
	<i>60</i>		<i>24</i>	<i>7</i>	
	<i>62</i>		<i>30</i>	<i>6</i>	
	<i>64</i>		<i>36</i>	<i>6</i>	
	<i>66</i>		<i>41</i>	<i>5</i>	
	<i>68</i>	<i>7:51</i>	<i>56</i>	<i>5</i>	<i>Jet. Pits</i>
<i>29</i>	<i>70</i>		<i>01</i>	<i>5</i>	
	<i>72</i>		<i>06</i>	<i>5</i>	
	<i>74</i>		<i>12</i>	<i>6</i>	
	<i>76</i>		<i>17</i>	<i>5</i>	
	<i>78</i>		<i>30</i>	<i>13</i>	
	<i>80</i>		<i>36</i>	<i>6</i>	
	<i>82</i>	<i>8:41</i>	<i>48</i>	<i>7</i>	<i>Conn</i>
	<i>84</i>		<i>9:00</i>	<i>12</i>	
	<i>86</i>		<i>14</i>	<i>14</i>	
	<i>88</i>		<i>21</i>	<i>7</i>	
<i>29</i>	<i>90</i>		<i>28</i>	<i>7</i>	
	<i>92</i>		<i>38</i>	<i>10</i>	
	<i>94</i>		<i>48</i>	<i>13</i>	
	<i>96</i>		<i>58</i>	<i>10</i>	
	<i>98</i>		<i>10:08</i>	<i>10</i>	
<i>30</i>	<i>00</i>		<i>18</i>	<i>8</i>	
	<i>2</i>		<i>25</i>	<i>7</i>	
	<i>4</i>		<i>31</i>	<i>6</i>	
	<i>6</i>		<i>37</i>	<i>6</i>	
	<i>8</i>		<i>43</i>	<i>6</i>	
	<i>10</i>		<i>55</i>	<i>12</i>	
	<i>12</i>		<i>11:05</i>	<i>10</i>	
	<i>14</i>	<i>11:10</i>	<i>15</i>	<i>5</i>	<i>Conn</i>
	<i>16</i>		<i>20</i>	<i>5</i>	
<i>30</i>	<i>18</i>		<i>26</i>	<i>6</i>	

INSTRUCTIONS: Fill out this report in TRIPPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM	WELL NO.	LOCATION
COUNTY	STATE	CONTRACTOR
		DATE

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3018	3020	11:26	11:32	6	
	22		11:38	6	
	24		11:48	10	
	26		11:58	10	
	28		12:04	6	
	30		12 11	7	
	32		12 18	7	
	34		12 30	12	
	36		10 40	10	
	38		55	15	
	40		1:10	15	
	42	3:05	3:13	8	
	44		19	6	Conn
	46	3:30	38	8	
	48		47	9	
	50		55	8	
	52		5:01	6	
	54		06	5	
	56		12	6	
	58		18	6	
	60		24	6	
	62		30	6	
	64		36	6	
	66		43	7	
	68		50	7	
	70		5'—	10	
	72		04	4	
	74		08	4	
	76	12	16	4	Conn
	78		20	4	
	3080		28	8	
	82		36	8	
	84		40	4	
	86		46	6	
	88		56	10	
	90		6:04	8	
	92		14	10	
	94		21	7	
	96		26	5	
	98		33	7	
	3100		40	7	
	2		45	5	
	4		50	5	
	6		54	4	
	8	58	7:—	2	Conn
	10		02	2	
	12		05	3	
	14		10	5	
	16		16	6	
	18		23	7	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Calberg</i>	WELL NO. <i>A-1</i>	LOCATION <i>27-14-21</i>	
COUNTY <i>Trego</i>	STATE <i>Kans.</i>	CONTRACTOR <i>J. D. Farmer</i>	DATE <i>6-20-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3115	20	7:23	30	7	vis 34
	22		36	6	
	24		41	5	
	26		47	6	
	28		50	3	
	30		54	4	
	32		8:—	6	
	34		16	6	
	36		12	6	
	38		20	8	<i>conn</i>
	40	8:24	30	6	
	42		34	4	
	44		38	4	
	46		42	4	
	48		48	6	
	31 50		51	3	
	52		57	6	
	54		9:04	7	
	56		10	6	
	58		17	7	
	60		24	7	
	62		27	3	
	64		29	2	
	66		31	2	
	68		34	3	vis 33
	70		39	5	
	72	47	53	6	<i>conn</i>
	74		59	6	
	76		10:10	11	
	78		10:20	10	
	80		27	7	
	82		35	8	
	84		41	6	
	86		47	6	
	88		54	7	
	3190		58	4	
	92		11:02	4	
	94		7	5	
	96		12	5	
	98		17	5	
	3200		21	4	
	2		24	3	
	4		35	2	<i>conn & rig 9 min</i>
	6		38	3	
	8		41	3	vis - 39
	10		47	6	
	12		54	7	
	14		12:02	8	
	16		11	9	
	18		22	11	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION	
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>John O Farmer</i>	DATE <i>6-24-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
<i>32</i>	<i>18</i>	<i>12 22</i>	<i>32</i>	<i>10</i>	
	<i>22</i>		<i>39</i>	<i>7</i>	
	<i>24</i>		<i>46</i>	<i>7</i>	
	<i>26</i>		<i>53</i>	<i>7</i>	
	<i>28</i>		<i>59</i>	<i>6</i>	
	<i>30</i>		<i>1 02</i>	<i>10</i>	
	<i>32</i>		<i>19</i>	<i>10</i>	
	<i>34</i>		<i>28</i>	<i>9</i>	
	<i>36</i>		<i>42</i>	<i>8</i>	<i>conn 6 min</i>
	<i>38</i>		<i>50</i>	<i>8</i>	
	<i>40</i>		<i>2 00</i>	<i>10</i>	<i>vis - 38</i>
	<i>42</i>		<i>10</i>	<i>10</i>	
	<i>44</i>		<i>21</i>	<i>11</i>	
	<i>46</i>		<i>31</i>	<i>10</i>	
	<i>48</i>		<i>38</i>	<i>7</i>	
<i>32</i>	<i>50</i>		<i>43</i>	<i>5</i>	
	<i>52</i>		<i>52</i>	<i>9</i>	
	<i>54</i>		<i>3 03</i>	<i>11</i>	
	<i>56</i>		<i>12</i>	<i>9</i>	
	<i>58</i>		<i>18</i>	<i>6</i>	
	<i>60</i>		<i>24</i>	<i>6</i>	
	<i>62</i>		<i>28</i>	<i>4</i>	
	<i>64</i>		<i>34</i>	<i>6</i>	
	<i>66</i>		<i>39</i>	<i>5</i>	
	<i>68</i>	<i>3 45</i>	<i>49</i>	<i>4</i>	<i>conn</i>
	<i>70</i>		<i>52</i>	<i>3</i>	
	<i>72</i>		<i>55</i>	<i>3</i>	
	<i>74</i>		<i>57</i>	<i>2</i>	
	<i>76</i>		<i>4 00</i>	<i>3</i>	
	<i>78</i>		<i>6</i>	<i>6</i>	
	<i>80</i>		<i>15</i>	<i>9</i>	
	<i>82</i>		<i>28</i>	<i>13</i>	
	<i>84</i>		<i>34</i>	<i>6</i>	
	<i>86</i>		<i>43</i>	<i>9</i>	
	<i>88</i>		<i>50</i>	<i>7</i>	
	<i>90</i>		<i>58</i>	<i>8</i>	
	<i>92</i>		<i>5 05</i>	<i>9</i>	
	<i>94</i>		<i>15</i>	<i>10</i>	
	<i>96</i>		<i>23</i>	<i>8</i>	
	<i>98</i>		<i>32</i>	<i>9</i>	
<i>33</i>	<i>00</i>	<i>5:38</i>	<i>47</i>	<i>9</i>	<i>conn</i>

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>4-1</i>	LOCATION
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>John O Farmer</i>
		DATE <i>6-21-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
<i>33 00</i>	<i>33 01</i>	<i>5 42</i>	<i>52</i>	<i>5</i>	<i>VIS - 37</i>
	<i>2</i>		<i>57</i>	<i>5</i>	
	<i>3</i>		<i>59</i>	<i>2</i>	
	<i>4</i>		<i>6 00</i>	<i>1</i>	
	<i>5</i>		<i>01</i>	<i>1</i>	
	<i>6</i>		<i>3</i>	<i>2</i>	
	<i>7</i>		<i>9</i>	<i>6</i>	
	<i>8</i>		<i>14</i>	<i>5</i>	
	<i>9</i>		<i>18</i>	<i>4</i>	
	<i>33 10</i>		<i>21</i>	<i>3</i>	
	<i>11</i>		<i>25</i>	<i>4</i>	
	<i>12</i>		<i>28</i>	<i>3</i>	
	<i>13</i>		<i>31</i>	<i>3</i>	
	<i>14</i>		<i>34</i>	<i>3</i>	
	<i>15</i>		<i>40</i>	<i>6</i>	
	<i>16</i>		<i>47</i>	<i>7</i>	
	<i>17</i>		<i>55</i>	<i>8</i>	
	<i>18</i>		<i>7:02</i>	<i>7</i>	
	<i>19</i>		<i>10</i>	<i>8</i>	
	<i>33 20</i>		<i>20</i>	<i>10</i>	
	<i>21</i>		<i>30</i>	<i>10</i>	
	<i>22</i>		<i>42</i>	<i>12</i>	
	<i>23</i>		<i>54</i>	<i>12</i>	
	<i>24</i>		<i>8 02</i>	<i>8</i>	
	<i>25</i>		<i>08</i>	<i>6</i>	
	<i>26</i>		<i>14</i>	<i>6</i>	
	<i>27</i>		<i>20</i>	<i>6</i>	
	<i>28</i>		<i>24</i>	<i>4</i>	
	<i>29</i>		<i>28</i>	<i>4</i>	
	<i>33 30</i>	<i>8 35</i>	<i>41</i>	<i>6</i>	<i>Conn. Grease Pie</i>
	<i>31</i>		<i>50</i>	<i>9</i>	
	<i>32</i>		<i>58</i>	<i>8</i>	
	<i>33</i>		<i>9:05</i>	<i>7</i>	
	<i>34</i>		<i>12</i>	<i>7</i>	
	<i>35</i>		<i>22</i>	<i>10</i>	
	<i>36</i>		<i>32</i>	<i>10</i>	
	<i>37</i>		<i>44</i>	<i>12</i>	
	<i>38</i>		<i>51</i>	<i>7</i>	
	<i>39</i>		<i>56</i>	<i>5</i>	
	<i>33 40</i>		<i>10:03</i>	<i>7</i>	<i>Vic 38</i>
	<i>41</i>		<i>15</i>	<i>12</i>	
	<i>42</i>		<i>27</i>	<i>12</i>	
	<i>43</i>		<i>39</i>	<i>12</i>	
	<i>44</i>		<i>51</i>	<i>12</i>	
	<i>45</i>		<i>11:01</i>	<i>10</i>	
	<i>46</i>		<i>11</i>	<i>10</i>	
	<i>47</i>		<i>14</i>	<i>3</i>	
	<i>48</i>		<i>17</i>	<i>3</i>	
	<i>49</i>		<i>21</i>	<i>4</i>	
	<i>33 50</i>		<i>25</i>	<i>4</i>	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING
TULSA 3, OKLAHOMA

STOP 3535

TIME LOG

Polder
FARM *Trejo* WELL NO. *A-1* LOCATION _____
COUNTY _____ STATE *Kans* CONTRACTOR *John O Farmer* DATE *6-21-64*

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3350	3351	11:25	129	4	
	52		134	5	
	53		140	6	
	54		148	8	
	55		155	7	
	56		12:02	7	
	57		14	12	
	58		29	15	
	59		39	10	
	33 60		49	10	Trip
	61	3:25	28	3	
	62		31	3	
	63		34	3	
	64		38	4	
	65		40	2	
	66		48	8	
	67		56	8	
	68		4 05	9	
	69		14	9	
	33 70		21	7	
	71		31	10	V1's 39
	72		37	6	
	73		41	4	
	74		45	4	
	75		49	4	
	76		56	7	
	77		5:02	6	
	78		07	5	
	79		11	4	
	33 80		16	5	
	81		20	4	
	82		24	4	
	83		28	4	
	84		31	3	
	85		35	4	
	86		40	5	
	87		43	3	
	88		47	4	
	89		50	3	
	33 90		54	4	
	91		58	4	
	92		6:02	3	
	93		05	3	
	94	6:34	39	5	Can't pump water off Pits
	95		45	6	
	96		52	7	
	97		59	7	
	98		7:08	9	
	99		7:14	6	
	34 00		21	7	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>17.1</i>	LOCATION
COUNTY <i>Trego</i>	STATE <i>Kans</i>	CONTRACTOR <i>Al Hammel</i>
		DATE <i>6-21-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3400	1	7:21	30	9	
	2		38	8	
	3		44	6	
	4		50	6	
	5		57	7	
	6		8:03	6	
	7		11	8	
	8		20	9	
	9		27	7	
	10		33	6	<i>Pump water out of pits</i>
	11	48	55	7	
	12		9:01	6	
	13		11	10	
	14		24	13	
	15		9:35	11	
	16		40	5	
	17		41	1	
	18		42	1	
	19		48	6	
	34 20		56	8	
	21		04	8	
	22		15	11	
	23		24	9	
	24		29	5	
	25		34	5	
	26	10:43	48	5	<i>conn</i>
	27		52	4	
	28		55	3	
	29		11:00	5	
	34 30		4	4	
	31		9	5	
	32		13	4	
	33		18	5	
	34		24	6	
	35		28	4	
	36		33	5	
	37		38	5	
	38		44	6	
	39		54	10	
	34 40		12:03	9	
	41		11	8	
	42		16	5	
	43		24	8	
	44		32	8	
	45		40	8	
	46		47	7	
	47		53	6	
	48		59	6	
	49		1:04	5	
	34 50		10	6	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION	
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>John O Farmer</i>	DATE <i>6-22-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3450	3451	1 10	1 15	5	
	52		21	6	
	53		26	5	
	54		31	5	
	55		37	6	
	56		42	5	
	57	1 47	54	7	Conn
	58		59	5	
	59		2 06	7	
	3460		13	7	
	61		20	7	
	62		27	7	
	63		33	6	
	64		40	7	
	65		46	6	
	66		52	6	
	67		58	6	
	68		3 06	8	
	69		15	9	
	3470		23	8	
	71		31	8	
	72		38	7	
	73		44	6	
	74		52	8	
	75		2 02	10	
	76		12	10	
	77		21	9	
	78		30	9	
	79		37	7	
	3480		50	13	
	81		59	9	
	82		5 08	9	
	83		18	10	
	84		28	10	
	85		38	10	
	86		48	10	
	87		53	5	
	88		58	5	
	89	6 03	6 08	5	Conn
	3490		16	8	
	91		25	9	
	92		33	8	
	93		43	10	
	94		53	10	
	95		02	9	
	96		14	12	
	97		25	11	
	98		35	10	
	99		45	10	
	3500		54	9	

INSTRUCTIONS: Fill out this report in TRIPPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING
TULSA 3, OKLAHOMA

TIME LOG

FARM	WELL NO.	LOCATION
COUNTY	STATE	CONTRACTOR
		DATE

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3500	3501	8:02	8:10	8	Grease Rig
	2		8:26	10	
	3		8:30	10	
	4		40	10	
	5		52	12	
	6		04	12	
	7		16	12	
	8		26	10	
	9		36	10	
	3510		46	10	
	11		53	9	
	12		10:05	10	
	13		15	10	
	14		26	11	
	15		36	10	
	16		44	8	
	17		53	9	
	18		11:01	8	
	19		10	9	
	3520		21	11	
	21	11:33	43	10	Conn. tighten Brakes
	22		53	10	
	23		01	8	
	24		09	8	
	25		17	8	
	26		27	10	
	27		35	8	
	28		42	7	
	29		50	8	
	3530		1:00	10	
	31		10	10	
	32		18	8	
	33		25	7	
	34		32	7	
	35		39	7	WAKE up Geol @ 3545
	36		47	8	
	37		56	9	
	38		2:04	8	
	39		13	9	VIS 39
	3540		22	9	
	41		31	9	
	42		42	11	
	43		2:53	11	
	44		3:04	11	
	45		14	10	
	46		3:25	11	
	47	4:28	40	12	
	48		51	11	
	49		5:01	10	
	3550		13	12	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM	WELL NO.	LOCATION
COUNTY	STATE	CONTRACTOR
		DATE

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3550	51	5:13	25	12	Trip & strap D.P.
	52	7:55	81	5	
	53		807	7	
	54		1:5	8	
	55		24	9	
	56		33	9	
	57		42	9	
	58		50	8	
	59		57	7	
	3560		9:04	7	
	61		12	8	
	62		20	8	
	63		28	8	
	64		36	8	
	65		45	9	Vis 40
	66		53	8	
	67		1007	8	
	68		10:11	10	
	69		20	9	
	3570		31	11	
	71		41	10	
	72		51	10	
	73		58	7	
	74		1109	9	
	75		14	7	
	76		23	9	
	77		33	10	
	78		45	12	
	79		54	9	
	3580		1203	9	
	81		13	10	
	82		22	9	
	83		32	10	
	84	12:49	52	5	CONN & rig vis 42
	85		58	6	
	86		1 08	10	
	87		17	9	
	88		28	11	
	89		34	6	
	3590		39	5	
	91		44	5	
	92		50	6	
	93		56	6	
	94		7 02	6	
	95		8	6	
	96		13	5	
	97		22	9	
	98		34	12	
	99		45	11	
	3600		55	10	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>John O Farmer</i>
		DATE

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3600	3601	2:55	3:05	10	
	2		14	9	
	3		25	11	
	4		36	9	
	5		45	9	
	6		55	10	
	7		4:25	10	
	8		17	12	
	9		27	10	
	3610		38	11	
	11		48	10	
	12		59	11	
	13		5:07	8	
	14		17	10	
	15	5:24	34	70	contin
	16		43	9	
	17		51	8	
	18		59	8	
	19		6:06	7	
	3620		17	11	
	21		27	10	
	22		37	10	
	23		45	8	
	24		54	9	
	25		7:02	8	
	26		11	9	
	27		20	9	
	28		30	10	
	29		40	10	
	3630		52	12	
	31		8:02	10	
	32		12	10	
	33		22	10	
	34		34	12	
	35		46	12	
	36		57	11	
	37		06	9	
	38		15	9	
	39		24	9	
	3640		35	9	
	41		44	9	
	42		54	10	
	43		09	10	
	44		14	10	
	45		23	9	
	46		32	9	
	47	10:42	51	9	
	48		59	8	Cond. & R. 2
	49		12	13	
	3650		26	14	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.	LOCATION		
Colberg		#1			
COUNTY	STATE	CONTRACTOR		DATE	
Treaga	KS	J.D. Farmer		6-23-64	
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3650	3651	11:26	38	12	
	52		50	12	
	53		12:01	11	
	54		11	10	
	55		22	11	
	56		32	10	
	57		44	12	
	58		56	12	Trip & work on rig
	59	5:45	52	7	
	60		61	8	
	61		66	6	
	62		72	6	
	63		79	7	
	64		87	8	
	65		94	7	
	66		100	6	
	67		106	6	
	68		112	6	
	69		118	6	
	70		124	6	
	71		130	6	
	72		137	7	
	73		144	7	
	74		151	7	
	75		160	9	VIS 44
	76		169	9	
	77		179	10	Conn
	78	8:08	186	8	
	79		194	8	
	3680		203	9	
	81		211	8	
	82		220	9	
	83		227	7	
	84		238	11	
	85		250	12	
	86		261	11	
	87		272	11	
	88		286	4	
	89		290	4	
	3690		294	4	VIS 44
	91		301	3	
	92		310	3	
	93		313	3	
	94		315	2	
	95		318	3	
	96		323	5	
	97		331	8	
	98		338	7	
	99		347	9	
	3700		358	11	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.	LOCATION		
COUNTY		STATE	CONTRACTOR	DATE	
Colberg		A-1			
Trego		Kansas	John O Farmer	6-23-64	
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3700	37 01	10 48	10 59	11	
	2		11 08	9	
	3		19	11	
	4		31	12	
	5		39	8	
	6		43	4	
	7		47	4	
	8		55	8	
	9		12 01	6	
	37 10	12 12	17	5	Conn & rig
	11		25	8	
	12		32	7	vis - 43
	13		40	8	
	14		49	9	
	15		58	9	
	16		1 05	7	
	17		14	9	
	18		23	9	
	19		35	12	
	37 20		47	12	
	21		52	5	
	22		59	7	
	23		2 06	7	
	24		13	7	
	25		21	8	
	26		31	10	
	27		40	9	
	28		49	9	
	29		58	9	
	37 30		3 08	10	
	31		17	9	
	32		26	9	
	33		35	9	
	34		42	7	
	35		51	9	
	36		59	8	
	37		4 08	9	
	38		16	8	
	39		26	10	
	37 40		34	8	
	41		42	8	
	42	4 48	56	8	CONN
	43		5 07	11	
	44		16	9	
	45		26	10	
	46		36	10	
	47		46	10	
	48		55	9	
	49		6 04	9	
	37 50		14	10	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM		WELL NO.		LOCATION	
COUNTY		STATE		CONTRACTOR	
DATE					
DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3750	3751	6:14	6:25	11	
	52		34	9	
	53		42	8	
	54		50	8	
	55		57	7	
	56		7:05	8	
	57		12	7	
	58		20	8	
	59		27	7	
	3760		35	8	
	61		42	7	
	62		49	7	
	63		55	6	
	64		8:03	7	
	65		10	8	
	66		20	10	
	67		30	10	
	68		40	10	
	69		48	8	
	70		50	8	
	71		9:03	7	
	72		09	6	
	73	9:23	29	6	Conn. Jet Hole shale pit
	74		35	6	Grease Pit
	75		44	9	
	76		54	10	
	77		10:05	11	
	78		15	10	
	79		24	9	
	3780		32	8	
	81		40	8	
	82		48	8	
	83		50	8	
	84		04	8	
	85		12	8	
	86		20	8	
	87		28	8	
	88		36	8	
	89		43	7	
	3790		50	7	
	91		56	6	
	92		12:02	6	
	93		10	8	
	94		20	10	
	95		30	10	
	96		40	10	
	97		48	8	
	98		56	8	
	99		1:04	8	
	3800		1:11	7	

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NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION	
COUNTY <i>Trego</i>	STATE <i>KS</i>	CONTRACTOR <i>J.D. Fanner</i>	DATE <i>6-24</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3800	3801	1:11	1:17	6	
	2		22	5	
	3		28	6	
	4		33	5	
	5	1:37	43	6	Conn.
	6		49	6	
	7		55	6	
	8		2:02	7	
	9		12	10	
	10		26	14	
	11		37	11	
	12		53	16	
	13		3:06	13	
	14		16	10	
	15		28	12	
	16		40	12	
	17		52	12	
	18		4:04	12	
	19		15	11	
	3820		35	20	
	21		54	19	
	22		5:15	21	Trip
	23	7:50	58	8	
	24		5:08	10	
	25		19	11	
	26		30	11	
	27		40	10	
	28		51	11	
	29		9:03	12	
	3838		15	11	
	31		25	10	
	32		36	11	
	33		48	12	
	34		59	11	
	35		10:09	18	
	36	10:12	22	10	Conn.
	37		32	10	
	38		38	6	
	39		47	9	
	3840		57	10	
	41		11:04	7	
	42		11	7	
	43		18	7	
	44		23	5	Vis-44
	45		30	7	
	46		39	9	
	47		48	9	
	48		57	9	
	49		12:06	9	
	3850		13	7	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Colberg</i>	WELL NO. <i>A-1</i>	LOCATION	
COUNTY <i>Trego</i>	STATE <i>Kansas</i>	CONTRACTOR <i>John O Farmer</i>	DATE <i>6-25-64</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
3850	3851	12:13	18	5	
	52		21	3	
	53		24	3	
	54		32	8	
	55		39	7	
	56		48	9	
	57		59	11	
	58		1:08	9	
	59		17	9	
	3860		25	8	
	61		35	10	
	62		45	10	
	63		52	7	
	64		2:00	8	
	65		10	10	
	66		20	10	
	67		30	10	
	68	2:40	50	10	CONT
	69		59	9	
	3870		3:09	10	
	71		18	9	
	72		28	10	
	73		38	10	
	74		50	12	
	75		59	9	CIRC
	76	4:16	20	4	
	77		37	17	
	78		56	19	
	79		50 ⁹	11	
	3880		22	15	CIRC
	81	7:31	39	8	
	82		49	10	
	83		59	10	
	84		7:07	8	
	85		17	10	
	86		29	12	
	87		42	13	
	88		53	11	
	89		8:00	7	
	3890		8:11	11	D.S.T #1
	91	4:45	50	5	
	92		55	5	
	93		5:01	6	
	94		08	7	
	95		14	6	
	96		20	6	
	97		26	6	
	98		32	6	CONV & SWIVE /
	99	44	49	5	
	3900		55	6	

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.

NATIONAL ASSOCIATED PETROLEUM COMPANY

FIFTH FLOOR RITZ BUILDING

TULSA 3, OKLAHOMA

TIME LOG

FARM <i>Calberg</i>	WELL NO. <i>H-1</i>	LOCATION
COUNTY <i>Tulsa</i>	STATE <i>Kans</i>	CONTRACTOR <i>J. J. Farmer</i>
		DATE <i>6-25</i>

DEPTH		DRILLING TIME		ACTUAL TIME	REMARKS
FROM	TO	BEGAN	ENDED		
<i>3900</i>	<i>1</i>	<i>5:55</i>	<i>6-</i>	<i>5</i>	
	<i>2</i>		<i>05</i>	<i>5</i>	
	<i>3</i>		<i>11</i>	<i>6</i>	
	<i>4</i>		<i>17</i>	<i>6</i>	
	<i>5</i>		<i>22</i>	<i>5</i>	
	<i>6</i>		<i>28</i>	<i>6</i>	
	<i>7</i>		<i>33</i>	<i>5</i>	
	<i>8</i>		<i>39</i>	<i>6</i>	
	<i>9</i>		<i>45</i>	<i>6</i>	
	<i>3910</i>		<i>6:52</i>	<i>7</i>	<i>circ 1/2 hr</i>
	<i>11</i>	<i>7:25</i>	<i>30</i>	<i>5</i>	
	<i>12</i>		<i>36</i>	<i>6</i>	
	<i>13</i>		<i>43</i>	<i>6</i>	
	<i>14</i>		<i>50</i>	<i>7</i>	
	<i>15</i>		<i>58</i>	<i>8</i>	
	<i>16</i>		<i>8:04</i>	<i>6</i>	
	<i>17</i>		<i>13</i>	<i>9</i>	
	<i>18</i>		<i>22</i>	<i>9</i>	
	<i>19</i>		<i>28</i>	<i>6</i>	
	<i>3920</i>		<i>34</i>	<i>6</i>	
	<i>21</i>		<i>40</i>	<i>6</i>	
	<i>22</i>		<i>47</i>	<i>7</i>	
	<i>23</i>		<i>8:53</i>	<i>6</i>	
	<i>24</i>		<i>58</i>	<i>5</i>	
	<i>25</i>		<i>9:04</i>	<i>6</i>	
	<i>26</i>		<i>09</i>	<i>5</i>	
	<i>27</i>		<i>15</i>	<i>6</i>	
	<i>28</i>		<i>21</i>	<i>6</i>	
	<i>29</i>		<i>26</i>	<i>5</i>	
	<i>3930</i>		<i>31</i>	<i>5</i>	<i>conn</i>
	<i>31</i>	<i>9:40</i>	<i>45</i>	<i>5</i>	<i>vis 40</i>
	<i>32</i>		<i>51</i>	<i>6</i>	
	<i>33</i>		<i>57</i>	<i>6</i>	
	<i>34</i>		<i>10:03</i>	<i>6</i>	
	<i>35</i>		<i>13</i>	<i>9</i>	
	<i>36</i>		<i>18</i>	<i>6</i>	
	<i>37</i>		<i>24</i>	<i>6</i>	
	<i>38</i>		<i>32</i>	<i>8</i>	
	<i>39</i>		<i>39</i>	<i>7</i>	
	<i>3940</i>				
	<i>41</i>				
	<i>42</i>				
	<i>43</i>				
	<i>44</i>				
	<i>45</i>				
	<i>46</i>				
	<i>47</i>				
	<i>48</i>				
	<i>49</i>				
	<i>3950</i>				

INSTRUCTIONS: Fill out this report in TRIPLICATE (Original and two carbon copies). Special care must be given to making this report legible and accurate. After completion of drilling, send these reports to: National Associated Petroleum Company, Fifth Floor, Ritz Building, Tulsa, Oklahoma, if they have not been picked up at the well by the Geologist.