COMPANY LIBERTY O&C FARM MWM WELL NO 1-6

SEC 24 TWP 7S RGE 18W LOC. COUNTY Rooks STATE Kansas

CONTRACTOR Pioneer Drlg Co Inc Rig #2 SIZE HOLE 7 7/8 DRILL PIPE 4½

REMARKS: 10' samples SIZE PUMP LINERS 5 3/4 LENGTH STROKE 14

FILE COPY

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2600	3:02		
01	03	1	10' DRY SAMPLES
	05	2	MUDDING UP
	06	1	
	07	1	
05	08	1	
	09	1	CONN - Serv. Rig
	27 28	1	
	30	2	
	33	3	
10	35	2	
	37	2	
	39	2	
	41	2	
	44	3	
15	46	2	
	49	3	
	52	3	
	55	3	
	56	1	
20	58	2	
	4:00	2	
	01	1	
	05	4	
	07	2	
25	09	2	
	10	1	
	11	1	
	12	1	
	13	1	
30	15	2	
	16	1	
	17	1	
	18	1	
	19	1	
35	20	1	
	21	1	
	23	2	
	24	1	CONN
	28 29	1	
40	33	4	
	39	5	
	41	3	
	44	3	
	49	4	
45	52	4	
	55	3	
	57	2	
	59	2	
	5:02	3	
2650	04	2	BEGIN W&D

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2650	5:01		
51	06	2	
	08	2	
	09	1	
	10	1	Close Hopper
55	12	2	
	13	1	
	16	3	
	18	2	
	19	1	
60	20	1	
	22	2	
	23	1	
	25	2	
	26	1	
65	27	1	
	28	1	
	30	2	CONN
	32	2	CONN
	36 37	1	
70	39	2	
	43	4	
	49	6	Auto Driller
	51	2	
	53	2	
75	55	2	
	57	2	
	6:00	3	
	03	3	
	07	4	
80	10	3	
	12	2	
	13	1	
	14	1	
	16	2	
85	17	1	
	18	1	
	20	2	
	21	1	
	22	1	
90	23	1	
	24	1	
	25	1	
	26	1	
	28	2	
95	29	1	
	30	1	
	31	1	
	32	1	CONN
	7:32 03	1	
2700	04	1	

COMPANY Liberty Oil + Gas. FARM Mann WELL NO. 2-6

SEC 21 TWP. 7S RGE. 18W LOC. COUNTY Rooks STATE Kansas

CONTRACTOR Pioneer Drilling Rig #2 SIZE HOLE 7⅞" DRILL PIPE 4½" FH + XH

REMARKS: 10' wash samples SIZE PUMP LINERS 5½" LENGTH STROKE 14"

DATE 5-28-54 PM

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2700	7:04		
01	05	1	
	06	1	
	07	1	
	08	1	
05	09	1	
	11	2	
	17	6	
	21	4	
	24	3	
2710	28	4	
	31	3	
	34	3	Vis 34 wt 8.9
	37	3	
	39	2	Open Hopper
15	44	5	450# P.P.
	48	4	
	52	4	
	55	3	
	58	3	
2720	59	1	
	9:02	3	
	05	3	
	07	2	
	12	5	Close Hopper
25	15	3	
	18	3	
	21	3	
	24	3	
	27	3	
2730	30	3	Conn
	33	3	
	37	4	
	40	3	
	43	3	
	45	2	
35	49	4	
	50	1	
	51	1	
	53	2	
	54	1	
2740	55	1	
	56	1	
	59	3	
	9:03	4	
	06	3	Vis 40 wt 9
45	10	4	
	14	4	
	17	3	
	19	2	
	23	4	
2750	28	5	CFS 30

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2750	10:13		
51	16	3	
	18	2	
	20	2	
	23	3	
55	25	2	
	27	2	
	29	2	
	32	3	
	34	2	
2760	38	4	
	41	3	Conn
	44	3	
	53	4	
	57	4	
65	11:01	4	
	06	5	
	10	4	
	15	5	
	18	3	
2770	21	3	
	25	4	
	29	4	
	32	3	
	34	2	
75	36	2	
	38	2	
	40	2	
	43	3	
	46	3	
2780	49	3	
	53	4	
	57	4	
	12:01	4	
	03	2	
90	05	2	
	07	2	
	09	2	
	12	3	
	15	3	
2790	17	2	Conn - Serv. Rig
	50	2	
	52	2	
	54	2	
	55	1	
	56	1	
95	57	1	
	59	2	
	1:09	1	
	01	1	
	03	2	
2800	07	4	

COMPANY LIBERTY O+G FARM MWM WELL NO. 1-6

SEC 24 TWP. 7S RGE 18W LOC. COUNTY ROOKS STATE KANSAS

CONTRACTOR PIONEER DRILLING Rig 2 SIZE HOLE 7 7/8" DRILL PIPE 4½ FH + XH

REMARKS: 10' w/o SAMPLES SIZE PUMP LINERS 5 1/2" LENGTH STROKE 14"

DATE 5-29-84 AM

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2800 01	1:07 10	3	
	12	2	
	14	2	
	17	3	
05	20	3	VIS 38 wt 9
	24	4	
	27	3	
	30	3	
	33	3	
2810	36	3	
	38	2	
	40	2	
	43	3	
	45	2	
15	48	3	
	50	2	
	52	2	
	54	2	
	57	3	
2820	2:00	3	
	02	2	
	06	4	CONN
	10 13	3	
	17	4	
25	19	2	
	23	4	
	27	4	
	30	3	
	34	4	
2830	35	1	
	36	1	
	40	4	
	44	4	
	47	3	
35	50	3	
	53	3	
	56	3	
	3:00	4	
	03	3	
2840	07	4	
	11	4	
	14	3	
	18	4	
	21	3	
45	25	4	
	29	4	
	32	3	
	35	3	
	38	3	
2850	41	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2850 51	3:40 45	4	
	50	5	CONN
	3:55 4:00	5	
	05	5	
55	10	5	
	14	4	
	18	4	
	21	3	VIS 37 wt 8.9
	23	2	
2860	29	6	
	34	5	
	37	3	
	38	1	
	42	4	
65	47	5	
	52	5	
	55	3	
	57	2	
	59	2	
2870	5:02	3	
	05	3	
	09	4	
	13	4	
	17	4	
75	22	5	
	28	6	
	33	5	
	38	5	
	42	4	CONN
2880	46	4	
	51	5	
	56	5	
	6:02	6	
	07	5	CONN
85	13 18	6	
	21	3	
	24	3	
	26	2	
	27	1	
2890	29	2	
	32	3	
	33	1	
	35	2	
	38	3	
95	40	2	
	43	3	
	46	3	
	49	3	
	52	3	
2900	55	3	

COMPANY LIBERTY O&C FARM M W M WELL NO 1-6

SEC 24 TWP. 7S RGE 18W LOC. COUNTY ROOKS STATE KANSAS

CONTRACTOR PIONEER DRLG CO INC RIG #2 SIZE HOLE 7¾ DRILL PIPE 4½

REMARKS 10' 4/0 SAMPLES SIZE PUMP LINERS 5¾ LENGTH STROKE 14

DATE 5-29-84 AM.

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2900	6 58		
01	59	4	
	7 02	4	
	07	4	
	11	4	
05	14	3	
	18	4	
	21	3	
	25	4	
	28	3	
10	31	3	
	35	4	
	38	3	
	41	3	
	45	4	RIG SERV - CONN
15	8 48 / 49	3	
	49	2	
	20	1	
	24	4	UIS-34- WT 9#
	29	5	OPEN HOPPER
20	33	4	450 PP
	39	6	
	44	5	
	48	4	
	50	2	
25	52	2	
	54	2	
	57	3	
	9 00	3	
	04	4	
30	07	3	
	10	3	
	13	3	
	16	3	
	19	3	
35	21	2	
	23	2	
	25	2	
	28	3	
	30	2	
40	32	2	
	35	3	
	40	5	
	44	4	CLOSE HOPPER
	47	3	
45	51	4	
	55 / 10 00	3	
	04	4	
	07	3	
	10	3	
2950	12	2	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2950	12 14	2	
51	16	2	
	18	2	
	21	3	
55	23	2	
	25	2	
	27	2	
	30	3	
	35	5	
60	40	5	
	44	4	
	48	4	
	51	3	
	55	4	
65	59	5	
	11 04	5	
	09	4	
	13	5	
	16	3	
70	20	4	
	25	5	
	30	5	UIS-38 WT 9#
	34	4	
	38	4	
75	43	5	
	49	6	CONN - CLEAN STRAINER
	05	5	
	10	5	
	15	5	
80	20	5	
	25	5	
	30	5	
	35	5	
	38	3	
85	41	3	
	46	5	
	49	3	
	53	4	
	58	5	
90	58	2	
	01	3	
	03	2	
	05	2	
	08	3	
93	10	2	
	20	5	
	25	5	
	30	5	
	35	5	
3000	40	5	

COMPANY LIBERTY OIL C. FARM M WM WELL NO. 1-6

SEC. 24 TWP. 7S RGE. 18W LOC. COUNTY ROOKS STATE KANSAS

CONTRACTOR PIONEER DRLG CO INC. RIG 3 SIZE HOLE 2¾ DRILL PIPE 4½

REMARKS: 10' W/D SAMPLES SIZE PUMP LINERS 5-3/4 LENGTH STROKE 14

DATE 5-29-84 - P.M.

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3010/01	1:10/44	4	
	49	5	
	58	6	
	2:05	5	
05	09	4	
	09	5	
	13	4	CONN
	2:18	3	
	26	3	
10	29	3	
	32	3	
	35	3	
	38	3	
	43	5	
15	48	5	
	52	4	
	56	4	
	3:00	4	
	03	3	
20	07	5	
	12	5	
	18	6	
	23	5	
	28	5	
25	31	3	
	33	2	
	39	6	
	44	5	
	48	4	60 6 VIS 36 WT. 9.4
30	53	5	
	56	3	
	4:02	6	
	09	7	
	15	6	
35	21	6	
	25	4	
	30	5	CONN. R&R P. stem O.S Rig
	4:38	8	
	9	6	HUDDER OPEN
40	17	8	
	20	3	
	25	5	
	28	3	HUDDER CLOSED
	36	8	
45	43	7	
	50	7	
	58	8	
	Circ	8	
	13	7	
50	18	5	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50/51	6:18/32	4	
	25	3	VIS 42 WT. 9.7
	29	4	
	34	5	
55	39	5	
	45	6	
	49	4	
	54	5	
60	5:00	6	
	06	6	
	13	7	
	20	7	
	27	7	
65	34	7	
	40	6	
	45	5	
	50	5	CONN
	5:56	6	
70	8:03	3	
	08	5	
	10	5	
	20	7	
	25	5	
75	30	5	
	34	4	
	36	2	
	42	6	VIS 39 WT. 9.4
	48	6	
80	51	3	
	53	2	
	56	3	
	59	3	
	9:01	2	
85	04	3	
	09	5	
	14	5	
	19	5	
	24	5	
90	29	5	
	34	5	
	40	6	
	45	5	
	51	6	
95	57	6	
	10:01	4	
	06	5	
	11	5	CONN
3100			GO

COMPANY Liberty O&G FARM Mann WELL NO 2

SEC 24 TWP. 1 RGE. 1E LOC. COUNTY Roots STATE Ks

CONTRACTOR Pioneer Drlg Co Rig 2 SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 XH

REMARKS: 10 w/10 SIZE PUMP LINERS 5 1/4 LENGTH STROKE 14"

DATE 5-29-84 PM

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3100	9:25		
	29	4	
	35	6	
	40	5	
	45	5	
65	49	4	
	54	5	
	57	3	
	59	2	
	11:03	4	
10	08	5	
	12	4	
	15	3	
	18	3	
	22	4	
15	28	6	
	32	4	
	36	4	
	40	4	
	45	5	
20	49	4	
	53	4	
	57	4	
	12:01	4	
	04	3	
25	08	4	
	11	3	
	14	3	
	19	5	
	23	4	Conn-Serv. Rig
30	27	4	
	33	6	
	1:01	4	
	04	3	
	08	4	
35	12	4	
	16	4	
	21	5	
	27	6	
	32	5	Vis 38 wt 9.5
40	33	1	
	35	2	
	38	3	
	40	2	
	43	3	
45	45	2	
	48	3	
	50	2	
	53	3	
	55	2	
60	58	3	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
50	1:58		
51	2:05	7	
	09	4	
	13	4	
	18	5	
55	24	6	
	30	6	
	35	5	
	40	5	
	46	6	Conn
60	52	6	
	57	5	
	3:02	5	
	08	6	
	13	5	
	20	7	
65	24	4	
	28	4	
	31	3	
	35	4	
	38	3	
70	42	4	Call GEO Midwest Nat 425-6707 Rm 1.
	45	3	
	49	4	
	55	6	
	4:01	6	
75	04	3	
	10	6	
	15	5	
	20	5	
	24	4	
80	29	5	
	32	3	
	34	2	
	36	2	
	38	2	
85	40	2	
	44	4	
	49	5	
	53	4	
	56	3	
90	58	2	
	5:01	3	Conn
	09	2	
	12	3	
	15	3	Vis 38 wt 9.5
95	18	3	
	21	3	
	23	2	
	26	3	
	29	3	
Trip	30	1	

COMPANY Liberty Oper. + Comp. FARM M W M WELL NO. 2-6

SEC. 24 TWP. 7S RGE. 19W LOC. COUNTY Rooks STATE Kansas

CONTRACTOR Pioneer Drilling Rig #2 SIZE HOLE 7 7/8" DRILL PIPE 4½" 2-H+XH

REMARKS: 10' w/o samples SIZE PUMP LINERS 5½" LENGTH STROKE 14"

DATE 5-30-84

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3200	5:30		
01	32	2	
	35	3	
	37	2	Open hopper
	40	3	600# PP
05	44	4	
	49	5	
	54	5	
	57	3	
	59	2	
3210	6:02	3	
	05	3	
	07	2	
	10	3	
	13	3	
15	17	4	
	22	5	
	26	4	
	30	4	
	34	4	
3220	38	4	
	41	3	
	44	3	Conn - Rig Serv
	7:03	5	
	13	4	
	17	4	
25	21	4	
	25	4	
	29	4	
	35	6	
	41	6	
3230	48	7	
	54	6	
	59	5	
	8:04	7	
	11	5	
35	17	6	
	24	7	
	30	6	
	35	5	
	39	4	
3240	46	6	
	55	10	
	9:03	7	
	09	7	
	17	8	
45	26	9	
	33	7	
	39	6	
	44	5	
	51	7	
3250	59	8	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3250	59	3	
51	10:02		
	08	5	Conn
	13	5	
	15	2	
	16	1	
55	18	2	CFS
	23	5	
	25	2	
	29	4	
	32	3	
	35	3	
3260	38	3	
	42	4	
	45	3	
	48	3	
	49	1	
	49	2	
65	52	3	CFS Oil in pits
	54	2	
	59	5	
	1:01	2	
	03	2	CFS Conn Rig
	08	5	
	10	2	
3270	12	2	
	14	2	CFS
75			
3280			
85			
3290			
95			
3300			

3210

55 2 2 4 3

3 3 2 3 3 4 5 4 4 4 4 3 3