

Energy Three, Inc.
 Morrison Trust #1
 SW SW NW, Section 1-21S-14W
 Stafford County, Kansas

5 1/2" PRODUCTION CASING SET

CONTRACTOR: B. & B. Drilling Company
 COMMENCED: 5-27-80
 COMPLETED: 6-03-80
 ELEVATIONS: 1919' K.B., 1916' D.F., 1911' G.L.
 CASING PROGRAM: Surface: 8 5/8" @266'
 Production: 5 1/2" @3635'
 SAMPLES: Samples examined 3100' to the R.T.D.
 DRILLING TIME: One (1) foot drilling time recorded by geolograph, surface to the R.T.D.
 ELECTRIC LOG: By Great Guns: Radiation Guard Caliper Log
 FORMATION TESTING: There was one (1) drill stem test run by Superior Testers

<u>FORMATION</u>	<u>ELECTRIC LOG DEPTH</u>	<u>SUB-SEA DATUM</u>
Anhydrite	804	+1115
Heebner	3209	-1290
Toronto	3231	-1312
Douglas	3247	-1328
Brown Lime	3324	-1405
Lansing	3335	-1416
Base Kansas City	3545	-1626
Viola	3557	-1638
Simpson	3587	-1668
Simpson Sand (11')	3594	-1675
Simpson Sand (6')	3627	-1708
Arbuckle	3633	-1714
Electric Log Total Depth	3637	-1718
Rotary Total Depth	3638	-1719

(All samples are corrected to the Electric Log Measurements.)

SAMPLES ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.

TOPEKA SECTION

3167-3177 Limestone, grey, oocastic. No shows of oil.

LANSING SECTION

3338-3344 Limestone, cream, fossiliferous, spotty dead stain. No free oil no odor in fresh samples

3358-3361 Limestone, cream, oolitic, slightly fossiliferous. No shows of oil.

3379-3384 Limestone, cream, oocastic, trace spotty dead stain.

3386-3391 Limestone, grey, chalky, finely crystalline plus traces of mottled grey, oolitic limestone. No shows of oil.

3404-3408 Limestone, white, oocastic, cherty. No shows of oil.

3418-3428 Limestone, grey to buff, oocastic, good oocastic porosity. No shows of oil.

3456-3462 Limestone, grey, oocastic, good oocastic porosity. No shows of oil.

3478-3482 Limestone, grey, oocastic, good oocastic porosity, spotty dark black stain, trace of free oil (dead) no odor in fresh samples.

3512-3515 Grey, oolitic to oocastic. No shows of oil.

3532-3535 Limestone, grey, oocastic, cherty, fair oocastic porosity. No shows of oil.

VIOLA SECTION

3557-3587 Chert, grey, bone white, blocky, scattered gilsonitic stain, plus trace of grey tipolitic chert with fair porosity in leached areas, scattered stain, traces of free oil in fresh samples.

SIMPSON SECTION

3594-3605 Sand, grey to buff, fine to medium grain, rounded, friable, fair intergranular porosity, good stain and saturation, fair show of free oil and good odor in fresh samples.

DRILL STEM TEST #1 3578-3606

Open: I.F. (60")
F.F. (45")

Blow: Weak increasing to fair

Recovery: 60' gas
130' heavy oil and gas cut mud

Pressures: ISIP 549 psi (45")
FSIP 538 psi (45")
IFP 43-75 psi
FFP 75-96 psi
HSH 1903-1870 psi

3627-3633 Sand, white, fine grain, calcareous, well sorted, friable, rounded. No shows of oil.

ARBUCKLE SECTION

3633-3637 Dolomite, white to grey, fine to medium crystalline, scattered inter-crystalline porosity, spotty dark black stain, trace of free oil (heavy black), fair odor in fresh samples.

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ELECTRIC LOG TOTAL DEPTH 3637 (-1718)
Rotary Total Depth 3638 (-1719)

RECOMMENDATIONS: It was recommended that 5½" casing be set and cemented and the following zones to be tested.

- | | |
|-----------------|------------------------------|
| 1. Arbuckle | Open hole completion methods |
| 2. Simpson Sand | 3594-3602 |

Respectfully submitted,


J. C. Musgrove

JCM:mw



COMPANY ENERGY THREE FARM MORRISON TRUST WELL NO. 1
 SEC. 1 TWP 21 RGE. 1 W LOC. SW SW NW COUNTY STAFFORD STATE KANSAS
 CONTRACTOR B+B DRUG. INC SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 X HOLE
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 19

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3100	1:58		
01	2:00	2	
	02	2	
	05	3	
	08	3	
5	10	2	
	13	3	
	16	3	
	19	3	
	22	3	
10	39 37	3	CONN + JET
	40	3	Hopper open
	43	3	
	46	3	
	49	3	
15	53	4	
	57	4	
	3:01	4	
	03	2	
	07	4	
20	11	4	
	15	4	
	20	5	
	24	4	
	27	3	
25	29	2	
	31	2	
	34	3	
	37	3	
	41	4	
30	45	4	
	49	4	
	52	3	
	56	4	
	4:00	4	
35	03	3	
	04	3	
	08	2	
	11	3	
	14	3	
40	17	3	
	21	4	
	26 29	3	CONN'
	33	4	
	37	4	
45	42	5	
	47	5	
	51	4	
	56	5	
	5:01	5	
50	05	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3150	5:05		
01	5:10	-	
	15	-	
	20	5	
	25	5	
55	30	5	
	35	5	
	39	4	
	44	5	
	50	6	
60	55	5	CLOSE HOPPER
	59	4	
	6:03	4	
	9	6	
	14	5	
65	17	3	
	22	5	
	25	3	
	28	3	
	31	3	
70	34	3	
	36	2	
	40	4	
	45 48	3	CONN.
	52	4	
75	55	3	VIS 35.
	59	4	
	7:02	3	
	06	4	HOPPER OPEN
	10	4	
80	14	4	
	18	4	
	22	4	
	26	4	
	30	4	
85	35	5	
	40	5	
	45	5	
	50	5	
	56	4	
90	8:00 05	4	
	05	5	
	10	5	
	16	6	
	20	4	
95	25	5	
	30	5	
	35	5	
	39	4	
	44	5	
3200	47	3	

COMPANY ENERGY THREE INC. FARM MORRISON TRUST WELL NO. 1

SEC. 1 TWP. 21 RGE. 1 W. LOC. SW SW NW COUNTY STAFFORD STATE KANSAS

CONTRACTOR B+B DRUG. INC. SIZE HOLE 7 3/8 DRILL PIPE 4 1/2 X No. 6

REMARKS: SIZE PUMP LINERS 6 " LENGTH STROKE 14 "

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3250	8:47		
01	52	5	
	58	6	
	9:02	4	
	05	3	
05	13 11	3	CONN SERV RIC
	19	3	
	22	3	
	25	3	
	28	3	
10	32	4	
	36	4	
	39	3	
	40	1	
	41	1	
15	42	1	
	43	1	
	46	3	
	51	5	
	54	3	
20	57	3	vis 40 wt 9.8
	10:00	3	
	03	3	
	05	2	
	07	2	
25	09	2	
	10	1	
	13	3	
	14	1	
	16	2	
30	18	2	
	19	1	
	21	2	
	23	2	
	25	2	
35	29	3	
	31	3	
	34 57	1	CONN.
	39	2	vis. 39 wt. 9.9
	41	2	HOPPER OPEN
40	43	2	
	46	3	
	49	3	
	52	3	
	55	3	
45	58	3	
	11:02	4	
	05	3	
	09	4	
	12	3	
50	16	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3250	14		
	19	3	
	21	2	
	23	2	
	26	3	
55	28	2	
	29	1	Circ. for S.H.T.
	30	1	
	31	1	
	32	1	
	33	1	
60	35	2	
	37	2	
	39	2	
	41	2	
	43	2	
65	45	2	
	47	2	
	53 56	3	CONN
	58	2	
	59	1	
70	1:01	2	
	03	2	
	05	2	
	06	1	
	08	2	
75	09	1	
	11	2	
	13	2	
	14	1	
	15	1	
80	17	2	
	18	1	
	19	1	
	20	1	
	22	2	
85	24	2	
	25	1	
	26	1	
	28	2	
	29	1	
90	31	2	
	32	1	
	34	2	
	36	2	
	37	1	
95	38	1	
	39	1	
	41	1	CONN
	47	1	
	48	1	
	50	2	
3300	51	1	

ROTARY DRILLING TIME SHEET # 503
 KANSAS BLUE PRINT CO., WICHITA, KAN.

Stop @ 3350

COMPANY Energy Three FARM Morrison Trust WELL NO. 1
 SEC. 1 TWP. 21 RGE. 1 LOC. S2P S2P N2P COUNTY Stafford STATE Kansas
 CONTRACTOR A & J Drilling, Inc. SIZE HOLE 7 7/8" DRILL PIPE 4 1/2 X 2 hole
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 14

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3300	51	1	
01	52	1	
	53	1	
	54	1	
	55	1	
05	57	2	VIS 43 WT 9.9
	59	2	
	2:00	1	
	02	2	Hopper off
	05	3	
10	07	2	
	09	1	
	10	2	
	11	1	
	13	2	
15	14	1	
	15	1	
	16	1	
	18	2	
	20	2	
20	21	1	
	23	2	
	24	1	
	26	2	
	28	2	
25	30	2	
	31	1	
	33	2	
	37	4	
	41	3	CONN.
30	49	2	wet
	52	3	
	55	3	
	3:00	5	Hopper on
	03	3	
35	08	5	
	14	6	
	19	5	
	24	5	
	38	4	Hopper off
40	32	4	wet
	36	4	
	41	5	2-1137 MOBILE
	43 1/2	7 1/2	3-9152 RES
	46 1/2	3	
45	50	3 1/2	
	55	5	
	58	3	
	4:02	4	
	05	3	
3350	09	4	Fire wet

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3350	5:16	4	Hopper on
	20	4	
	25	5	
	30	5	
	35	5	
55	40	5	
	45	5	
	48	3	
	54	6	Hopper off
	57	3	
60	6:01	4	Conn wet
	10	13	
	16	3	
	20	4	
	23	3	
65	26	3	
	29	3	
	32	3	
	35	3	
	38	3	
70	42	4	Fire wet
	7:43	45	1 Hr Drill
	48	3	To 3410
	51	3	VIS 40 WT 9.8
	55	4	
75	58	3	
	8:01	3	
	03	2	
	05	2	
	08	3	
80	10	2	10' wet-dry SPLS
	13	3	
	16	3	
	19	3	
	22	3	
85	25	3	
	28	3	
	31	3	
	34	3	
	38	4	
90	41	3	Conn
	49	52	Hopper on
	57	5	
	9:01	4	
	05	4	
95	09	4	
	14	5	
	21	7	Hopper off
	30	9	
	33	37	ball'd bit
3400	40	3	

COMPANY SEA-3 FARM MORRISON WELL NO. 1
 SEC. 1 TWP. 21. RGE. 1^{2P} LOC. S2P S2P N2P COUNTY Stafford STATE Kansas
 CONTRACTOR S & S Drilling Inc SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 X Hole
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 14

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3400	9:40		
01	43	3	
	45	2	
	47	2	
	50	3	
05	55	5	CALL JC
	58	3	39152
	10:01	3	
	04	3	
	08	4	52 Vis 9.7 WT.
3410	12	4	CIRC.
	11:34	4	
	34	5	
	38	4	
	44	6	
15	48	4	
	53	5	
	58	5	
	12:02	4	
	07	5	
20	11	4	R
	23	2	
	26	2	CONN
	27	2	"
	31	4	"
	34	3	"
25	34 1/2	1/2	"
	35	1/2	"
	35 1/2	1/2	"
	36	1/2	"
	37	1	"
30	39	2	" CIRC 14-15" " Drill TO 3480
	12:22	2	
	44	2	
	47	3	
	50	3	
	54	4	
35	57	3	
	2:04	7	
	10	6	
	15	5	
	18	3	
40	22	4	
	26	4	
	29	3	
	32	3	
	35	3	
45	40	5	
	43	3	
	46	3	
	50	4	
	54	4	
50	58	4	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3450	58		
51	301	3	
	29	2	CONN.
	12	3	
	17	5	
55	22	5	
	26	4	
	30	4	
	34	4	
	37	3	R
60	41	4	
	42	1	
	43	1	
	45	2	
	47	2	
65	48	1	
	50	2	
	55	5	
	59	4	
	4:04	5	
70	8	4	wet
	12	4	R
	16	4	
	21	5	
	26	5	
75	30	4	wet
	35	5	
	37	4	VIS 47. WT 10.0
	44	5	
	48	4	
80	51	3	CIRC-47 VIS 10 WT.
	1:03	5	
	08	5	CALL JC
	14	6	39152
	2:25	4	
	29	4	CONN
85	33	4	
	36	3	
	40	4	
	45	5	
	51	6	
90	56	5	
	7:01	5	
	4	3	
	6	2	VIS 38 WT 9.9
	11	5	Mix Mud
95	16	5	
	23	7	
	30	7	
	33	3	R
	36	3	R
3500	41	5	R

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COMPANY Energy Three FARM Morrison Trust WELL NO. 1
 SEC. 1 TWP. 21 RGE. 1^W LOC. S24 S24 N24P COUNTY Stafford STATE Kansas
 CONTRACTOR S & S Drilling, Inc. SIZE HOLE 7 7/8 DRILL PIPE 4 1/2 x Hole
 REMARKS: SIZE PUMP LINERS 6" LENGTH STROKE 14

DATE

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3500	01	48	
		53	7
		58	5
		8:03	5
		7	4
		13	6
		17	4
		22	5
		26	4
10		31	5
		36	5
		42	6
		45	3
		48	3
		57	3
		4	4
		7	3
		13	6
		20	7
25		28	8
		37	9
		50	13
		10:02	12
		13	11
		25	12
		27	6
		39	6
		44	5
		50	6
30		57	7
		11:04	7
		11	7
		18	7
		27	9
		35	8
		47	12
		58	11
		17:08	11
		5:00	2
		02	2
		07	5
		12	5
		17	5
		22	5
		31	9
		36	5
		44	4
		48	4
		53	5
		58	5
		6:03	5
3551		07	4

DEPTH	TIME O'CLOCK	MIN.	REMARKS
3550	07	13	
		20	7
		26	6
		32	6
		36	4
55		39	3
		42	3
		45	3
		48	3
60		51	3
		54	3
		59	5
		7:04	5
		09	5
65		13	4
		17	4
		18	7
		20	2
		25	5
70		28	3
		31	3
		33	2
		37	4
		40	3
75		42	3
		46	3
		50	4
		56	2
		8:01	3
80		05	4
		07	2
		10	3
		13	3
		15	2
85		18	3
		24	6
		30	6
		37	7
		41	4
90		46	5
		51	5
		58	7
		04	6
		09	5
95		13	4
		19	6
		23	4
		27	4
		31	4
3605		34	3

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CIRC

