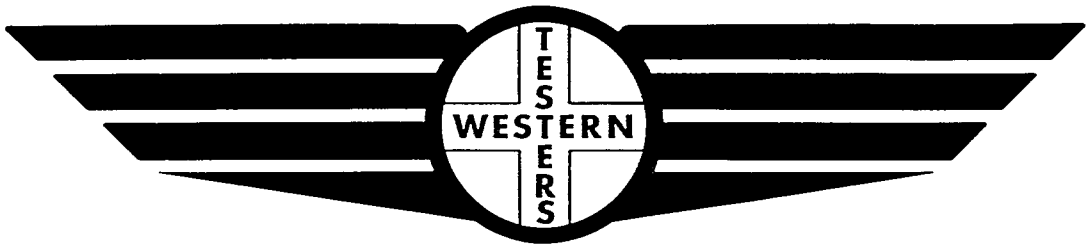
COMPANY HUPFER OIL AND GAS LEASE & WELL NO. #3 GATTON "C" SEC. 29 TWP. 22S RGE. 11W TEST NO. 1 DATE 2/3/86

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

SUBSURFACE PRESSURE SURVEY

DATE	: 2-3-86			TICKET	: 9800
CUSTOMER	: HUPFER OIL & GAS			LEASE	: GATTON "C"
WELL	: 3	TEST: 1		GEOLOGIST	: HUPFER
ELEVATION	:			FORMATION	: ARBUCKLE
SECTION	: 29			TOWNSHIP	: 22S
RANGE	: 11W	COUNTY :	STAFFORD	STATE	: KANSAS
GAUGE SN#	: 1049	RANGE :	4225	CLOCK	: 12

INTERVAL FROM	: 3620	TO	: 3632	TOTAL DEPTH	: 3632
DEPTH OF SELECTIVE ZONE	:				
PACKER DEPTH	: 3615	SIZE	: 6 5/8		
PACKER DEPTH	: 3620	SIZE	: 6 5/8		
PACKER DEPTH	:	SIZE	:		
PACKER DEPTH	:	SIZE	:		

DRILLING CON.	: H-30 DRLG		
MUD TYPE	: CHEMICAL	VISCOSITY	: 50
WEIGHT	: 9.3	WATER LOSS (CC)	: 10.8
CHLORIDES (PPM)	: 8000		
JARS-MAKE	:	SERIAL NUMBER	:
DID WELL FLOW ?	: NO	REVERSED OUT ?	: NO

DRILL COLLAR LENGTH	: 0	FT	I.D. inch	: 0.00	
WEIGHT PIPE LENGTH	: 0	FT	I.D. inch	: 0.00	
DRILL PIPE LENGTH	: 3599	FT	I.D. inch	: 3.80	
TEST TOOL LENGTH	: 21	FT	TOOL SIZE	: 5.50	
ANCHOR LENGTH	: 12	FT	ANCHOR SIZE	: 5.50	
SURFACE CHOKE SIZE	: .75	IN	BOTTOM CHOKE SIZE	: .75	
MAIN HOLE SIZE	: 7.875	IN	TOOL JOINT SIZE	: 4.5 XH	

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG BLOW DECREASING TO A
BLOW COMMENT #2 : GOOD BLOW BY THE END OF THE PERIOD. FINAL FLOW
BLOW COMMENT #3 : PERIOD VERY WEAK BLOW. DIED IN 20 MINUTES.
BLOW COMMENT #4 :

RECOVERED	: 20	FT	OF: HVY OIL & GAS CUT MUD.	0.28 Barrels
RECOVERED	: 1	FT	OF: CLEAN OIL.	0.01 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels
RECOVERED	: 0	FT	OF:	0.00 Barrels

Total Barrels = 0.3 Total Production = 5.7 Bpd

REMARK 1 : RECOVERED 575 FEET OF GAS ABOVE FLUID.
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S)	: 11:28 PM		TIME STARTED OFF BOTTOM	: 1:45 AM	
WELL TEMPERATURE	: 109				
INITIAL HYDROSTATIC PRESSURE			(A) 1866		
INITIAL FLOW PERIOD	MIN: 45		(B) 27	PSI TO (C) :	27
INITIAL CLOSED IN PERIOD	MIN: 30		(D) 27		
FINAL FLOW PERIOD	MIN: 30		(E) 27	PSI TO (F) :	29
FINAL CLOSED IN PERIOD	MIN: 30		(G) 32		
FINAL HYDROSTATIC PRESSURE			(H) 1866		

Pressure Transient Report

DATA FILE.....

COMPANY.....HUPFER OIL & GAS

DATE OF TEST.....2-3-86

FIELD NAME.....GATTON "C"

WELL NAME.....3

LOCATION.....STAFFORD-KANSAS

JOB NUMBER.....9800

GAUGE NUMBER.....1049

GAUGE DEPTH.....3632

COMMENTS
RECOVERED 575 FEET OF GAS ABOVE FLUID.

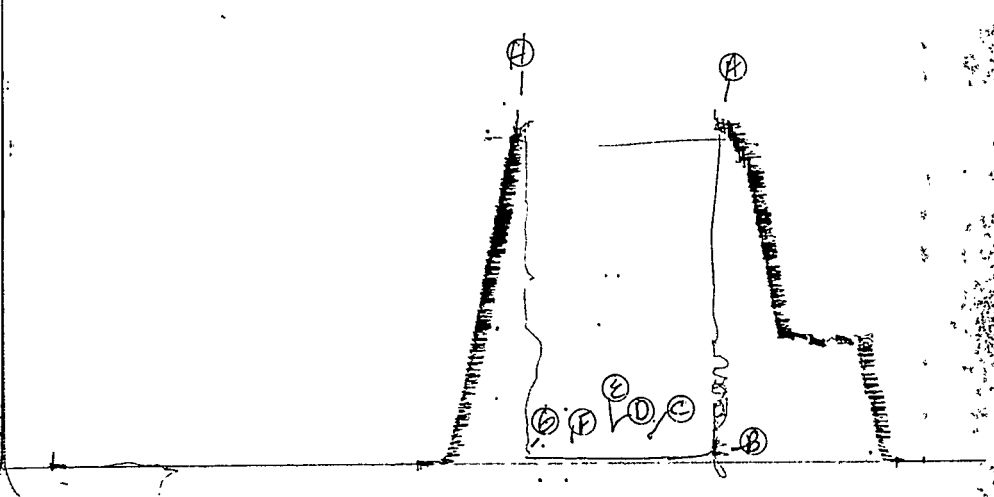
START UP TIME	(mo/da/yr)	(hr:min:sec)
	2./3/86.	11.: 28.: 0.

COMPANY : HUPFER OIL & GAS FIELD : GATTON "C"
WELL #3 JOB # : 9800
GAUGE # : 1049 DEPTH : 3632
MON/DAY : 2/ 3

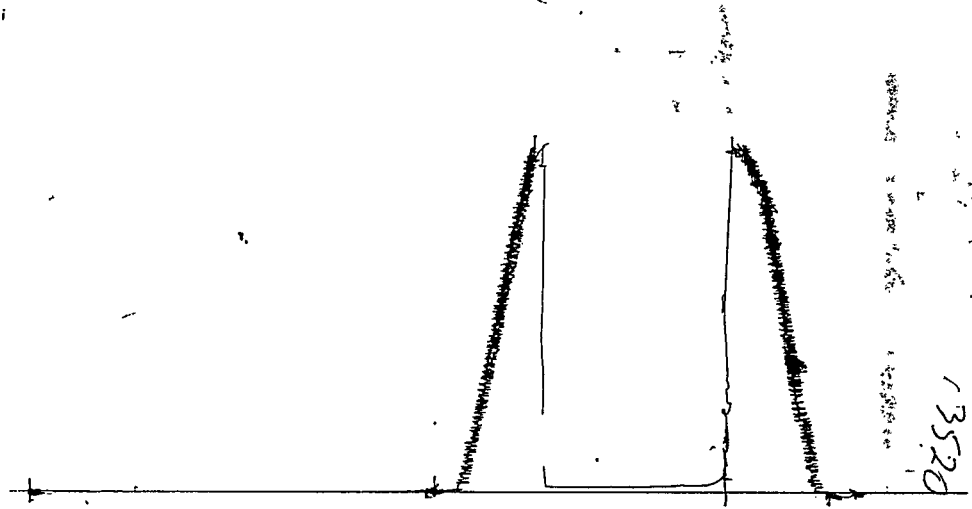
REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS	HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	11:28: 0	0	0.000	27.00	109.0	0.00	120.03
2	11:33: 0	5	0.083	27.00	109.0	0.00	0.00
3	11:38: 0	10	0.167	27.00	109.0	0.00	0.00
4	11:43: 0	15	0.250	27.00	109.0	0.00	0.00
5	11:48: 0	20	0.333	27.00	109.0	0.00	0.00
6	11:53: 0	25	0.417	27.00	109.0	0.00	0.00
7	11:58: 0	30	0.500	27.00	109.0	0.00	0.00
8	12: 3: 0	35	0.583	27.00	109.0	0.00	0.00
9	12: 8: 0	40	0.667	27.00	109.0	0.00	0.00
10	12:13: 0	45	0.750	27.00	109.0	0.00	0.00
11	12:16: 0	48	0.800	27.00	109.0	0.00	0.00
12	12:19: 0	51	0.850	27.00	109.0	0.00	0.00
13	12:22: 0	54	0.900	27.00	109.0	0.00	0.00
14	12:25: 0	57	0.950	27.00	109.0	0.00	0.00
15	12:28: 0	60	1.000	27.00	109.0	0.00	0.00
16	12:31: 0	63	1.050	27.00	109.0	0.00	0.00
17	12:34: 0	66	1.100	27.00	109.0	0.00	0.00
18	12:37: 0	69	1.150	27.00	109.0	0.00	0.00
19	12:40: 0	72	1.200	27.00	109.0	0.00	0.00
20	12:43: 0	75	1.250	27.00	109.0	0.00	0.00
21	12:44: 0	76	1.267	27.00	109.0	0.00	0.00
22	12:48: 0	80	1.333	27.00	109.0	0.00	0.00
23	12:53: 0	85	1.417	27.00	109.0	0.00	0.00
24	12:58: 0	90	1.500	27.00	109.0	0.00	0.00
25	13: 3: 0	95	1.583	28.00	109.0	1.00	12.00
26	13: 8: 0	100	1.667	28.00	109.0	1.00	0.00
27	13:13: 0	105	1.750	29.00	109.0	2.00	12.00
28	13:16: 0	108	1.800	29.00	109.0	2.00	0.00
29	13:19: 0	111	1.850	29.00	109.0	2.00	0.00
30	13:22: 0	114	1.900	30.00	109.0	3.00	20.00
31	13:25: 0	117	1.950	31.00	109.0	4.00	19.98
32	13:28: 0	120	2.000	32.00	109.0	5.00	20.00
33	13:31: 0	123	2.050	32.00	109.0	5.00	0.00
34	13:34: 0	126	2.100	32.00	109.0	5.00	0.00
35	13:37: 0	129	2.150	32.00	109.0	5.00	0.00
36	13:40: 0	132	2.200	32.00	109.0	5.00	0.00
37	13:43: 0	135	2.250	32.00	109.0	5.00	0.00

JKo # 9800

I

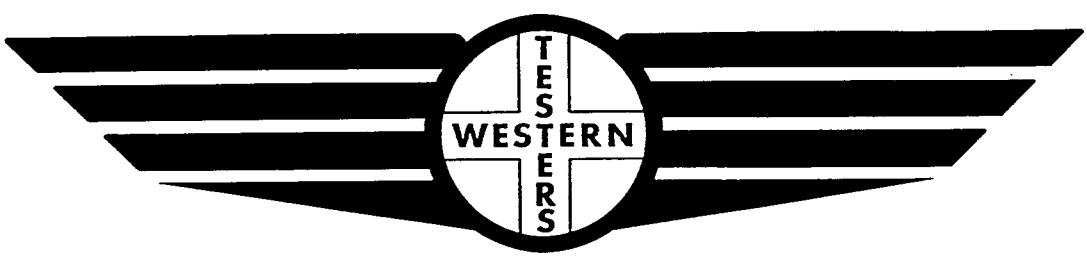


Lt # 9807



COMPANY HUPFER OIL AND GAS LEASE & WELL NO. #3 GATTON "C" SEC. 29 TWP. 22S RGE. 11W TEST NO. 2 DATE 2/3/86

FORMATION TEST REPORT



Home Office: Wichita, Kansas 67201

P.O. Box 1599 Phone (316) 262-5861

SUBSURFACE PRESSURE SURVEY

DATE : 2-3-86
CUSTOMER : HUPFER OIL & GAS
WELL : 3 TEST: 2
ELEVATION :
SECTION : 29
RANGE : 11W COUNTY : STAFFORD
GAUGE SN# : 1049 RANGE : 4225

TICKET : 16581
LEASE : GATTON "C"
GEOLOGIST : TREMBLAY
FORMATION : ARBUCKLE
TOWNSHIP : 22S
STATE : KANSAS
CLOCK : 12

INTERVAL FROM : 3618 TO : 3656 TOTAL DEPTH : 3740
DEPTH OF SELECTIVE ZONE :
PACKER DEPTH : 3613 SIZE : 6 5/8
PACKER DEPTH : 3618 SIZE : 6 5/8
PACKER DEPTH : 3656 SIZE : 6 5/8
PACKER DEPTH : SIZE :

DRILLING CON. : H-30 DRLG
MUD TYPE : CHEMICAL VISCOSITY : 47
WEIGHT : 9.3 WATER LOSS (CC) : 11.2
CHLORIDES (PPM) : 8000
JARS-MAKE : SERIAL NUMBER :
DID WELL FLOW ? : YES REVERSED OUT ? : NO

DRILL COLLAR LENGTH	0	FT	I.D. inch	0.00	
WEIGHT PIPE LENGTH	0	FT	I.D. inch	0.00	
DRILL PIPE LENGTH	3597	FT	I.D. inch	3.80	
TEST TOOL LENGTH	21	FT	TOOL SIZE	5.50	
ANCHOR LENGTH	38	FT	ANCHOR SIZE	5.50	
SURFACE CHOKE SIZE	.75	IN	BOTTOM CHOKE SIZE	.75	
MAIN HOLE SIZE	7.875	IN	TOOL JOINT SIZE	4.5 XH	

BLOW COMMENT #1 : INITIAL FLOW PERIOD STRONG BLOW. GAS TO SURFACE
BLOW COMMENT #2 : IN 10 MINUTES. TOO LITTLE TO GAUGE.
BLOW COMMENT #3 :
BLOW COMMENT #4 :

RECOVERED :	240	FT	OF: CLEAN GASSY OIL.	3.37 Barrels
RECOVERED :	60	FT	OF: OIL & GAS CUT MUD.	0.84 Barrels
RECOVERED :	0	FT	OF: (GRAVITY 42).	0.00 Barrels
RECOVERED :	0	FT	OF:	0.00 Barrels
RECOVERED :	0	FT	OF:	0.00 Barrels
RECOVERED :	0	FT	OF:	0.00 Barrels
RECOVERED :	0	FT	OF:	0.00 Barrels
RECOVERED :	0	FT	OF:	0.00 Barrels
RECOVERED :	0	FT	OF:	0.00 Barrels

Total Barrels = 4.2 Total Production = 67.3 Bpd

REMARK 1 :
REMARK 2 :
REMARK 3 :
REMARK 4 :

SET PACKER(S) : 5:28 PM TIME STARTED OFF BOTTOM : 8:00 PM
WELL TEMPERATURE : 111

INITIAL HYDROSTATIC PRESSURE			(A) 1915		
INITIAL FLOW PERIOD	MIN:	45	(B) 98	PSI TO (C) :	112
INITIAL CLOSED IN PERIOD	MIN:	30	(D) 202		
FINAL FLOW PERIOD	MIN:	45	(E) 143	PSI TO (F) :	143
FINAL CLOSED IN PERIOD	MIN:	33	(G) 187		
FINAL HYDROSTATIC PRESSURE			(H) 1898		

Pressure Transient Report

DATA FILE.....

COMPANY.....HUPFER OIL & GAS

DATE OF TEST.....2-3-86

FIELD NAME.....GATTON "C"

WELL NAME.....3

LOCATION.....STAFFORD-KANSAS

JOB NUMBER.....16581

GAUGE NUMBER.....1049

GAUGE DEPTH.....3740

COMMENTS

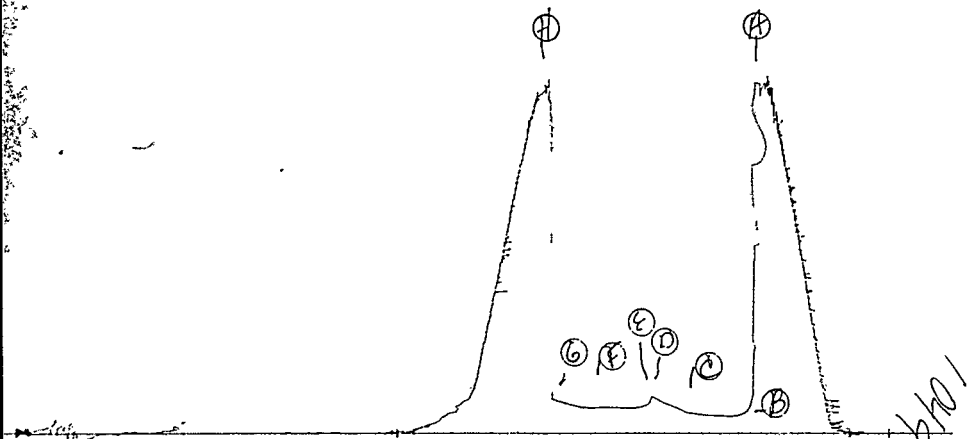
START UP TIME	(mo/da/yr)	(hr:min:sec)
	2./3/86.	5.: 28.: 0.

COMPANY : HUPFER OIL & GAS FIELD : GATTON "C"
WELL : 3 JOB # : 16581
GAUGE # : 1049 DEPTH : 3740
MON/DAY : 2/ 3

REC#	REAL TIME HR:MIN:SEC	ELAPSE TIME MINS	HOURS	PRESSURE PSIG	TEMP DEG F	DELTA P (Po-Pi)	DP/DT Psi/hr
1	5:28: 0	0	0.000	98.00	111.0	0.00	0.00
2	5:33: 0	5	0.083	98.00	111.0	0.00	0.00
3	5:38: 0	10	0.167	98.00	111.0	0.00	0.00
4	5:43: 0	15	0.250	98.00	111.0	0.00	0.00
5	5:48: 0	20	0.333	98.00	111.0	0.00	0.00
6	5:53: 0	25	0.417	99.00	111.0	1.00	11.99
7	5:58: 0	30	0.500	99.00	111.0	1.00	0.00
8	6: 3: 0	35	0.583	101.00	111.0	3.00	24.01
9	6: 8: 0	40	0.667	106.00	111.0	8.00	59.97
10	6:13: 0	45	0.750	112.00	111.0	14.00	72.02
11	6:16: 0	48	0.800	113.00	111.0	15.00	20.00
12	6:19: 0	51	0.850	119.00	111.0	21.00	120.03
13	6:22: 0	54	0.900	130.00	111.0	32.00	220.05
14	6:25: 0	57	0.950	139.00	111.0	41.00	179.82
15	6:28: 0	60	1.000	148.00	111.0	50.00	180.04
16	6:31: 0	63	1.050	157.00	111.0	59.00	180.04
17	6:34: 0	66	1.100	167.00	111.0	69.00	200.05
18	6:37: 0	69	1.150	176.00	111.0	78.00	180.04
19	6:40: 0	72	1.200	187.00	111.0	89.00	219.79
20	6:43: 0	75	1.250	202.00	111.0	104.00	300.07
21	6:44: 0	76	1.267	143.00	111.0	45.00	-3540.86
22	6:48: 0	80	1.333	143.00	111.0	45.00	0.00
23	6:53: 0	85	1.417	143.00	111.0	45.00	0.00
24	6:58: 0	90	1.500	143.00	111.0	45.00	0.00
25	7: 3: 0	95	1.583	143.00	111.0	45.00	0.00
26	7: 8: 0	100	1.667	143.00	111.0	45.00	0.00
27	7:13: 0	105	1.750	143.00	111.0	45.00	0.00
28	7:18: 0	110	1.833	143.00	111.0	45.00	0.00
29	7:23: 0	115	1.917	143.00	111.0	45.00	0.00
30	7:28: 0	120	2.000	143.00	111.0	45.00	0.00
31	7:31: 0	123	2.050	144.00	111.0	46.00	20.00
32	7:34: 0	126	2.100	145.00	111.0	47.00	20.00
33	7:37: 0	129	2.150	147.00	111.0	49.00	40.01
34	7:40: 0	132	2.200	149.00	111.0	51.00	39.96
35	7:43: 0	135	2.250	152.00	111.0	54.00	60.01
36	7:46: 0	138	2.300	157.00	111.0	59.00	100.02
37	7:49: 0	141	2.350	163.00	111.0	65.00	120.03
38	7:52: 0	144	2.400	170.00	111.0	72.00	140.03
39	7:55: 0	147	2.450	176.00	111.0	78.00	119.88
40	7:58: 0	150	2.500	181.00	111.0	83.00	100.02
41	8: 1: 0	153	2.550	187.00	111.0	89.00	120.03

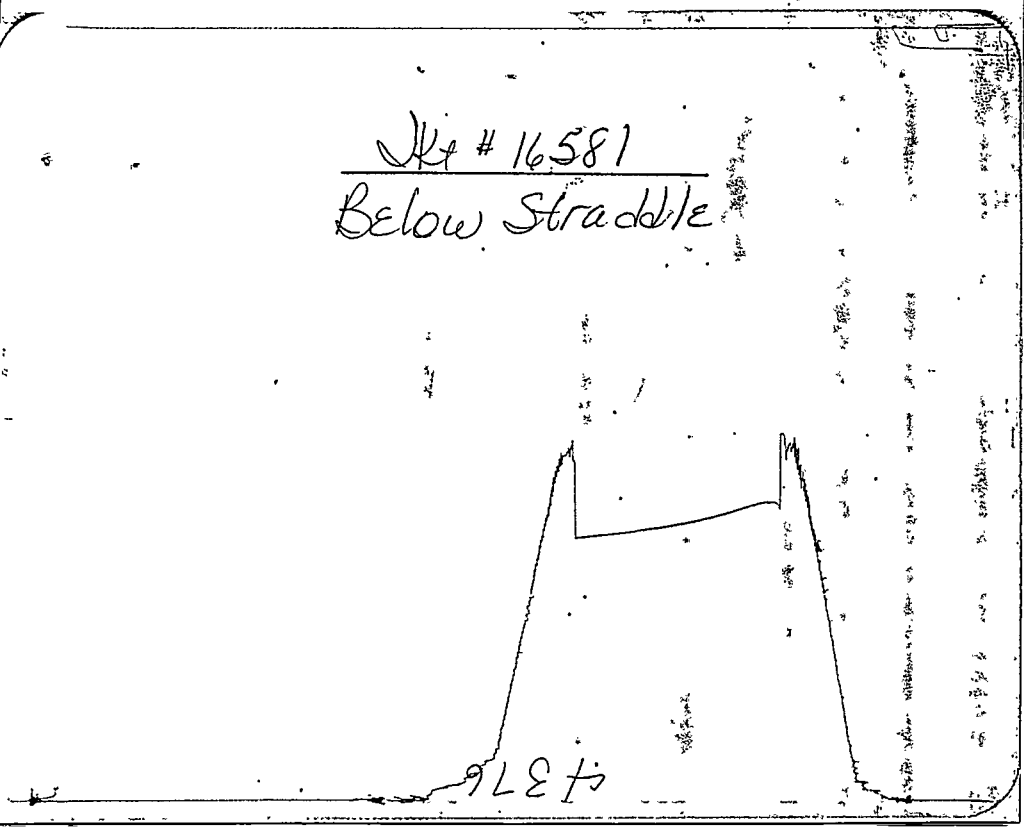
JK# 16581

I



Jkt # 16581

Below Straddle



13.5-20

Lot #16581

