

TICKET NO. 243868 DATE 12-15-81 HALLIBURTON CAMP PRATT

LEASE OWNER THE MAURICE L. BROWN COMPANY bc bj vf

LEASE NAME J. C. UNRUH WELL NO. D-3 TEST NO. 4

LEGAL LOCATION 12 31 18W FORMATION TESTED MISSISSIPPI

FIELD AREA _____ COUNTY KIOWA STATE KANSAS

TYPE OF D.S.T. ON BOTTOM STRADDLE

TESTER(S) J. AREND

WITNESS L. BOOKLESS DRILLING CONTRACTOR ABERCROMBIE

DEPTHS MEASURED FROM KELLY BUSHING CASING PERFS (FT.) _____

TYPE AND SIZE OF GAS MEASURING DEVICE MERLA

CUSHION DATA

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

TYPE _____ AMOUNT _____ WEIGHT (lb./gal.) _____

RECOVERY (ft. or bbl.):

450 feet of gas, oil, and water cut mud....

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
	@ °F			@ °F	
	@ °F			@ °F	
	@ °F			@ °F	

REMARKS:

....SEE PRODUCTION TEST DATA SHEET....

TICKET NO. 243868 DATE 12-15-81 ELEVATION (FT.) _____

TOP OF TESTED INTERVAL (ft.) 5013' BOTTOM OF TESTED INTERVAL (ft.) 5040

NET PAY (ft.) _____ TOTAL DEPTH (ft.) 5156

HOLE OR CASING SIZE (in.) 7.875" MUD WEIGHT (lb./gal.) 10.0 VISCOSITY (sec.) 45

SURFACE CHOKE (in.) _____ BOTTOM CHOKE (in.) .75"

OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

TEMPERATURE (°F)

PRESSURE (P.S.I.) _____ CUBIC FT. OF GAS _____ ESTIMATE 130

C.C.'s OF OIL _____ C.C.'s OF WATER _____ ACTUAL _____

C.C.'s OF MUD _____ TOTAL LIQUID C.C.'s _____ DEPTH (ft.) _____

GAS/OIL RATIO (cu. ft. per bbl.)

H.T.-500 ; THERMOMETER ;
T.E. OR R.T.-7 ; OTHER

FROM SAMPLER _____ OTHER _____ SERIAL NO. _____

RECORDER AND PRESSURE DATA

CHARTS READ BY J. AREND DATA APPROVED BY _____

R E C O R D E R S	GAUGE NUMBER	7348	6143	7347		TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2	2		TOOL OPENED	2235
	GAUGE DEPTH (ft.)	4997	5035	5153		DATE	12-15-81
	CLOCK NUMBER		26215	2476		BYPASS OPENED	
	CLOCK RANGE (HR.)	24	24	24		DATE	
	INITIAL HYDROSTATIC	2565.7-0	2732.8	2787.5		PERIOD	MINUTES
	INITIAL FLOW	59.9	80.7			XXX	XXX
P	1st. FINAL FLOW	106.6	123.1	Hydrostatic Release:		1st. FLOW	178.0
R	CLOSED-IN	1050.5	1058.5	2471.8-0		1st. C.I.P.	178.8
E	INITIAL FLOW	53.9	74.1			XXX	XXX
S	2nd. FINAL FLOW	142.9	156.9			2nd. FLOW	361.4
U	CLOSED-IN	1064.9	1069.1			2nd. C.I.P.	359.7
R	INITIAL FLOW					XXX	XXX
E	3rd. FINAL FLOW					3rd. FLOW	
S	CLOSED-IN					3rd. C.I.P.	
	FINAL HYDROSTATIC	2702.5	2731.2	UTR		XXX	XXX

Q = Questionable

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. 243868
 Gas gravity _____ Oil gravity _____ GOR _____
 Spec. gravity _____ Chlorides _____ ppm Res. _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED _____

Date Time	a.m. p.m.	Choke Size	Surface Pressure psi	Gas Rate MCF	Liquid Rate BPD	Remarks
1845						On location 15 minutes before time
						requested-started unloading tool.
1915						Started clocks.
1925						Picked up tool.
2040						Tool thru table-started in hole with
						Drill Pipe.
2232						Tool on bottom.
2235						Tool opened-bubble died-started
						bubbling again.
2245						Strong blow off bottom of bucket.
0135						Strong blow-closed tool-no gas to
						surface.
0435						Tool opened-gas to surface during
						CIP.
0445		.25	.25	4.90		Gauged gas.
0520		"	.125	1.84		" "
0530						Not enough gas to gauge.
0800		"	.25	4.90		Gauged gas.
1035		"	"	"		" " Closed tool.
1635						Opened by-pass-started out of hole.
1850						Tool at table-tool laid down-charts
						read-tool loaded up.

MAURICE L. BROWN COMPANY
 Lease Owner/Company Name

243868
 Ticket Number

B.T. 7348

B.T. 6143

B.T. 7347

Depth 4997'

Depth 5035'

Depth 5153'

Time (minutes)	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{t+\theta}{\theta}$	PSIG Temp. Corr.
FIRST FLOW...			FIRST FLOW...			HYDROSTATIC RELEASE		
0		59.9	0		80.7	2471.8	Q	
20		66.5	20		85.7			
40		75.5	40		93.1			
60		83.2	60		100.6			
80		89.0	80		105.8			
100		91.8	100		109.1			
120		96.4	120		113.1			
140		100.1	140		116.0			
160		103.5	160		119.4			
178		106.6	178		123.1			
FIRST CIP...			FIRST CIP...					
0		106.6	0		123.1			
10		311.5	10		326.7			
20		493.9	20		514.7			
30		654.5	30		669.3			
40		779.2	40		787.3			
50		864.4	50		872.2			
60		921.2	60		926.8			
70		957.6	70		965.2			
80		981.7	80		989.2			
90		998.5	90		1005.7			
100		1011.3	100		1019.3			
110		1020.7	110		1028.8			
120		1027.9	120		1037.7			
130		1033.7	130		1042.1			
140		1039.1	140		1047.4			
150		1043.4	150		1051.8			
160		1046.8	160		1055.3			
170		1049.8	170		1058.1			
178.8		1050.5	178.8		1058.5			
FINAL FLOW...			FINAL FLOW...					
0		53.9	0		74.1			
60		111.9	60		127.6			
120		122.9	120		138.0			
180		131.1	180		146.8			
240		135.8	240		151.8			
300		139.1	300		153.7			
360		142.6	360		156.4			
361.4		142.9	361.4		156.9			

Remarks: _____

Tool Description	O.D.	I.D.	Length	Depth
DRILL PIPE	4.50"	3.826"	4829'	
DRILL COLLARS	6.00"	2.25"	31'	4829'
REVERSING SUB	6.00"	2.00"	1'	4860'
DRILL COLLARS	6.00"	2.25"	124'	
CROSSOVER			1'	
DUAL CIP	5.875"	.87"	6'	
HYDROSPRING TESTER	5.00"	.75"	5'	4992'
AP RUNNING CASE	5.00"	3.06"	4'	4997'
JARS	5.00"	1.50"	5'	
SAFETY JOINT	5.00"	1.00"	3'	
EQUALIZING TUBE STINGER	5.00"	1.00"	1'	
PACKER	6.75"	1.53"	6'	5013'
FLUSH JOINT ANCHOR	5.00"	2.44"	18'	
DOUBLE BOX	5.00"	2.00"	1'	
RUNNING CASE	5.00"	3.06"	4'	5035'
PACKER	6.75"	1.53"	6'	5040'
DOUBLE PIN	5.00"	2.00"	1'	
CROSSOVER	6.00"	2.00"	1'	
DRILL COLLARS	6.00"	2.25"	97'	
DOUBLE PIN	6.00"	2.00"	1'	
CROSSOVER	6.00"	2.00"	1'	
FLUSH JOINT ANCHOR	5.00"	2.44"	7'	
BT RUNNING CASE	5.00"	2.36"	4'	5153'
TOTAL DEPTH				5156'

J. C. UNRUH
Lease Name

D-3
Well No.

4
Test No.

5013' to 5040
Tested Interval

THE MAURICE L. BROWN COMPANY
Lease Owner/Company Name

243868

Ticket Number

Camp PRATT

Camp

12-15-81

Date

7348 6143 7347

Gauge Number(s)

5



243868-7347

243868-7348

PRESSURE

TIME

243868-6143

898E7B

61297-2.719

Each Horizontal Line Equal to 1000 p.s.i.