

TICKET NO. 342999 DATE 12-30-81 HALLIBURT J CAMP ARTESIA
 LEASE OWNER R. A. MENDENHALL ASSOCIATES, LIMITED bc
 LEASE NAME HILLGER UNIT WELL NO. 1 TEST NO. 1
 LEGAL LOCATION 10 - 22S - 27E FORMATION TESTED CHERRY CANYON
 FIELD AREA ESPERANZA COUNTY EDDY STATE NEW MEXICO
 TYPE OF D.S.T. OPEN HOLE
 TESTER(S) MR. HARVEY MR. MARTINEZ
 WITNESS MR. KNOWLS DRILLING CONTRACTOR CACTUS #73
 DEPTHS MEASURED FROM KELLY BUSHING CASING PERFS (FT.) _____
 APPROXIMATELY TO ABOVE GROUND LEVEL
 TYPE AND SIZE OF GAS MEASURING DEVICE 6" POSITIVE CHOKE -- FLOOR MANIFOLD.375-.500

CUSHION DATA

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

RECOVERY (ft. or bbl.):

297' of DRILLING FLUID

FLUID PROPERTIES

SOURCE	RESISTIVITY	CHLORIDES (PPM)	SOURCE	RESISTIVITY	CHLORIDES (PPM)
PIT	.07 @ 62 °F	150,000	TOP OF TOOLS	.06 @ 72 °F	160,000
TOP RECOVERY	.06 @ 74 °F	140,000	SAMPLER	.05 @ 66 °F	180,000
MIDDLE RECOVERY	.06 @ 74 °F	140,000		@ °F	

REMARKS:

Very weak blow on .125" bubble hose

TICKET NO. 342999 DATE 12-30-81 ELEVATION (FT.) 3069' GL
 TOP OF TESTED INTERVAL (ft.) 3344' BOTTOM OF TESTED INTERVAL (ft.) 3415'
 NET PAY (ft.) 40' TOTAL DEPTH (ft.) 3415'
 HOLE OR CASING SIZE (in.) 7.875" MUD WEIGHT (lb./gal.) 10.1 VISCOSITY (sec.) 40
 SURFACE CHOKE (in.) .375-.500 BOTTOM CHOKE (in.) .750
 OIL GRAVITY _____ @ _____ °F GAS GRAVITY—ESTIMATED _____ ACTUAL _____

SAMPLER DATA

PRESSURE (P.S.I.) _____ CUBIC FT. OF GAS _____
 C.C.'s OF OIL _____ C.C.'s OF WATER _____
 C.C.'s OF MUD 1900 TOTAL LIQUID C.C.'s 1900

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

FROM SAMPLER _____ OTHER _____

TEMPERATURE (°F)

ESTIMATE _____
 ACTUAL 91
 DEPTH (ft.) 3411'
 H.T.-500 ☐ THERMOMETER ☒
 T.E. OR R.T.-7 ☐ OTHER ☐
 SERIAL NO. _____

RECORDER AND PRESSURE DATA

CHARTS READ BY MR. HARVEY DATA APPROVED BY _____

RECORDERS	GAUGE NUMBER	512	113			TIMES (00:00-24:00 HRS.)	
	GAUGE TYPE	1	2			TOOL OPENED <u>0930</u>	
	GAUGE DEPTH (ft.)	3323	3412			DATE <u>12-30</u>	
	CLOCK NUMBER	13736	4365			BYPASS OPENED <u>1315</u>	
	CLOCK RANGE (HR.)	24	24			DATE <u>12-30</u>	
	INITIAL HYDROSTATIC	1767.3	1811.4			PERIOD	MINUTES
	INITIAL FLOW	8.6	63.0			XXX	XXX
PRESSURES	1st. FINAL FLOW	29.0	78.9			1st. FLOW	15.8
	CLOSED-IN	1429.7	1473.9			1st. C.I.P.	29.3
	INITIAL FLOW	39.1	88.8			XXX	XXX
	2nd. FINAL FLOW	97.0	142.6			2nd. FLOW	69.2
RECORDERS	CLOSED-IN	1419.1	1465.7			2nd. C.I.P.	110.7
	INITIAL FLOW					XXX	XXX
	3rd. FINAL FLOW					3rd. FLOW	
	CLOSED-IN					3rd. C.I.P.	
	FINAL HYDROSTATIC	1762.8	1810.1			XXX	XXX

R. A. MENDENHALL ASSOCIATES, LIMITED

342999

Lease Owner/Company Name

Ticket Number

B.T. 512

B.T. 113

B.T. _____

Depth 3323'

Depth 3412'

Depth _____

INITIAL FLOW

Time (minutes)	Log $\frac{1+H}{H}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{1+H}{H}$	PSIG Temp. Corr.	Time (minutes)	Log $\frac{1+H}{H}$	PSIG Temp. Corr.
0		8.6	0		63.0			
3		12.5	3		63.0			
6		16.5	6		67.6			
9		20.3	9		71.4			
12		23.8	12		74.9			
15.8		29.0	15.8		78.9			
INITIAL CLOSED IN PRESSURE								
0		29.0	0		78.9			
3		1031.9	3		894.5			
6		1187.6	6		1157.3			
9		1262.6	9		1271.5			
12		1312.5	12		1333.6			
15		1347.7	15		1377.3			
18		1373.4	18		1407.5			
21		1394.5	21		1431.0			
24		1410.8	24		1450.3			
27		1423.3	27		1466.0			
29.3		1429.7	29.3		1473.9			
SECOND FLOW								
0		39.1	0		88.8			
10		44.1	10		93.6			
20		54.3	20		102.8			
30		61.8	30		110.0			
40		71.0	40		118.4			
50		79.3	50		127.1			
60		88.0	60		135.4			
69.2		97.0	69.2		142.6			
SECOND CLOSED IN PRESSURE								
0		97.0	0		142.6			
10		1061.3	10		1096.2			
20		1190.6	20		1231.0			
30		1260.3	30		1300.4			
40		1302.7	40		1346.3			
50		1333.7	50		1378.2			
60		1355.9	60		1401.3			
70		1373.9	70		1421.8			
80		1388.2	80		1436.1			
90		1400.1	90		1448.4			
100		1410.9	100		1458.0			
110.7		1419.1	110.7		1465.7			

Remarks: _____