

HALLIBURTON SERVICES
FORMATION TESTING SERVICE REPORT

22-APR-86

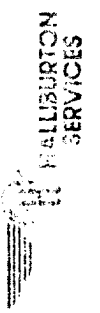
COMPANY NAME: NEWHALL RESOURCES
DRILLING CONTRACTOR: NORTON RIG #12
TICKET NUMBER: 22408201
TEST DATE: 4-20-86
LEASE NAME: STATE SPIEGHT
WELL NUMBER: 1
TEST NUMBER: 1
JOB TYPE: OPEN HOLE
LEGAL LOCATION: 15 - 13S - 38E
COUNTY: LEA
STATE: NEW MEXICO DBF
HALLIBURTON CAMP: HOBBS
FIELD AREA: BRONCO
ELEVATION: 3819.0 FEET
NET PAY: 20.0 FEET
HOLE SIZE: 7.9 INCH(ES)
TESTED INTERVAL: 9520.9 FEET - 9669.0 FEET

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TICKET NUMBER: 224082
TEST DATE: 4-20-86

EQUIPMENT & HOLE DATA

FORMATION TESTED: WOLFCAMP
NET PAY: 20.0 FT.
GROSS TESTED FOOTAGE: 148.1 FT.
ALL DEPTHS MEASURED FROM: KB
CASING PERFORATIONS:
HOLE/CASING SIZE: 7.9 IN.
ELEVATION: 3819.0 FT.
TOTAL DEPTH: 9669.0 FT.
PACKER DEPTH(S): 9515.8 FT.
9520.9 FT.
FINAL SURFACE CHOKE: 0.25000 IN.
BOTTOM HOLE CHOKE: 0.750 IN.
MUD WEIGHT: 8.70 LB/GAL
MUD VISCOSITY: 39.00 SEC.
ESTIMATED HOLE TEMPERATURE: 0.0 F
ACTUAL HOLE TEMPERATURE: 142.0 F @ 9665.0 FT.

HYDROCARBON PROPERTIES

OIL GRAVITY:
GAS/OIL RATIO:
GAS GRAVITY:

SAMPLER DATA

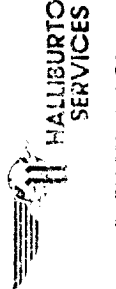
SURFACE PRESSURE: 142.0 PSIG
GAS VOLUME: 0.54 CU.FT.
OIL VOLUME: 2.0 CC
WATER VOLUME:
MUD VOLUME: 1100.0 CC
TOTAL LIQUID VOLUME: 1102.0 CC

TESTER(S):

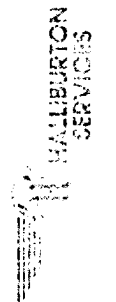
JIM TULL

WITNESS(ES):

GARY PRIDEMORE



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TICKET NUMBER: 224082C
TEST DATE: 4-20-86

TYPE AND SIZE MEASURING DEVICE: 6" POSITIVE CHOKE

TIME	CHOKE SIZE	SURFACE PRESSURE (PSI)	GAS RATE (MCF)	LIQUID RATE (BPD)	REMARKS
4-20-86					
1600					ON LOCATION
1700					PICK UP TOOLS
1745					MAKE UP TOOLS
1815					RIG UP TEST LINE TO PIT
1900					START TOOLS IN HOLE
2220					ON BOTTOM
2224					TOOL OPENED, WEAK BLOW
2229	BH				WEAK BLOW
2234	BH				SLIGHT INCREASE
2240	BH				SLIGHT BLOW, CLOSE TOOL
4-21-86					
0010	BH				OPEN TOOL, WEAK BLOW
0020	BH				BLOW DECREASING
0030	BH				NO BLOW
0035	BH				STRONG BLOW 4" IN BUCKET
0040	BH	0.5			INCREASE IN BLOW
0050	BH	1			INCREASE IN BLOW
0100	BH	1			NO CHANGE
0110	BH	1			
0120	BH	1			
0130	BH	1.25			
0140	BH	1.5			
0150	BH	1.5			
0200	BH	1.5			
0210	.25	2			INCREASE IN BLOW
0220	.25	1.5			
0230	.25	1.5			
0240	.25	1			DECREASING
0250	.25	.5			
0300	.25	.5			
0310	.25	.5			CLOSE TOOL
0740					OPEN BYPASS
0755					PULL OFF BOTTOM, START OUT OF HOLE.

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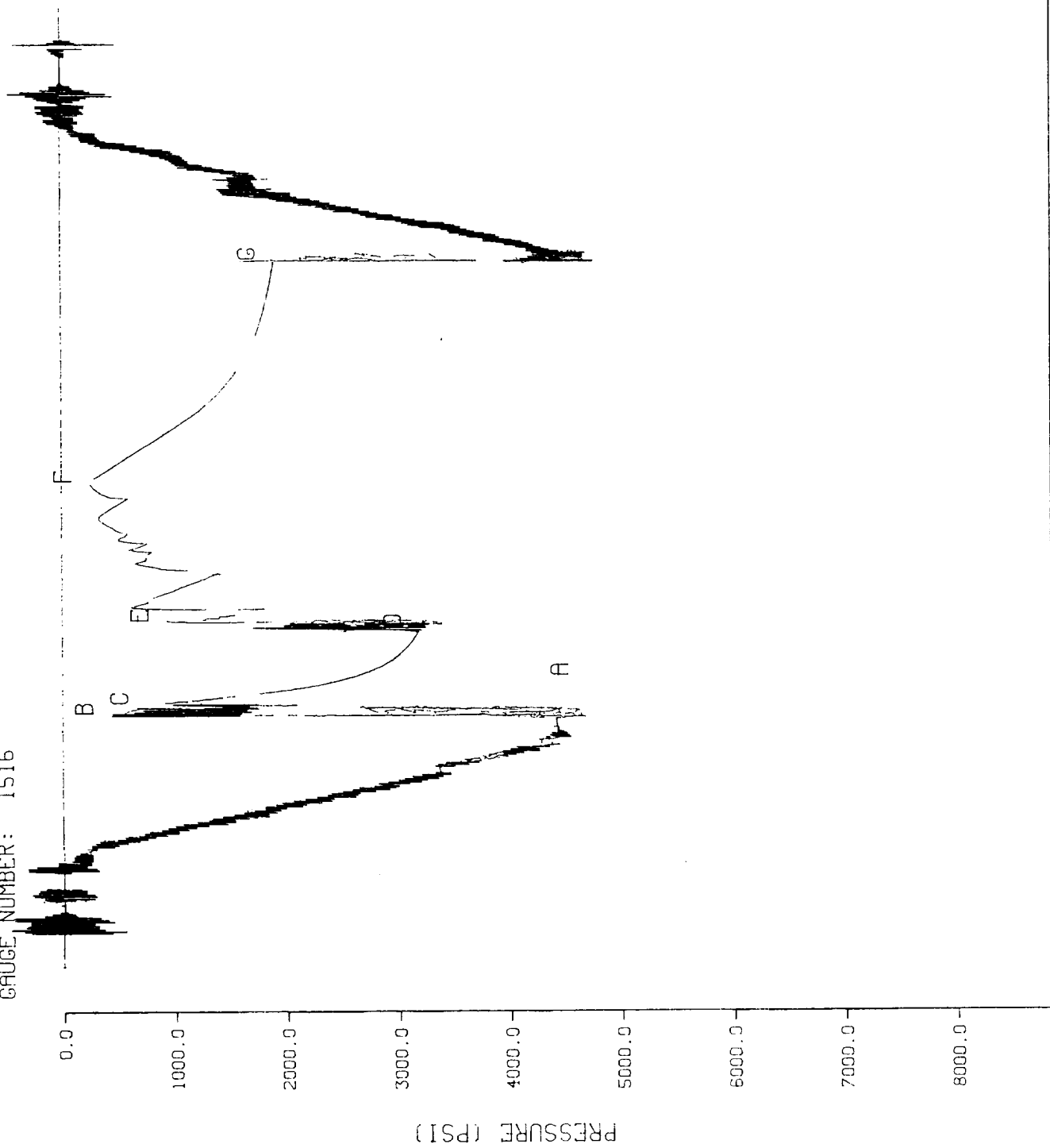
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TICKET NUMBER: 22408201

GAUGE NUMBER: 1516



TIME