

GC1992

Quality Logging, Inc.

"The Company That Lives By Its Name"



On-Site Hydrocarbon Analysis Log

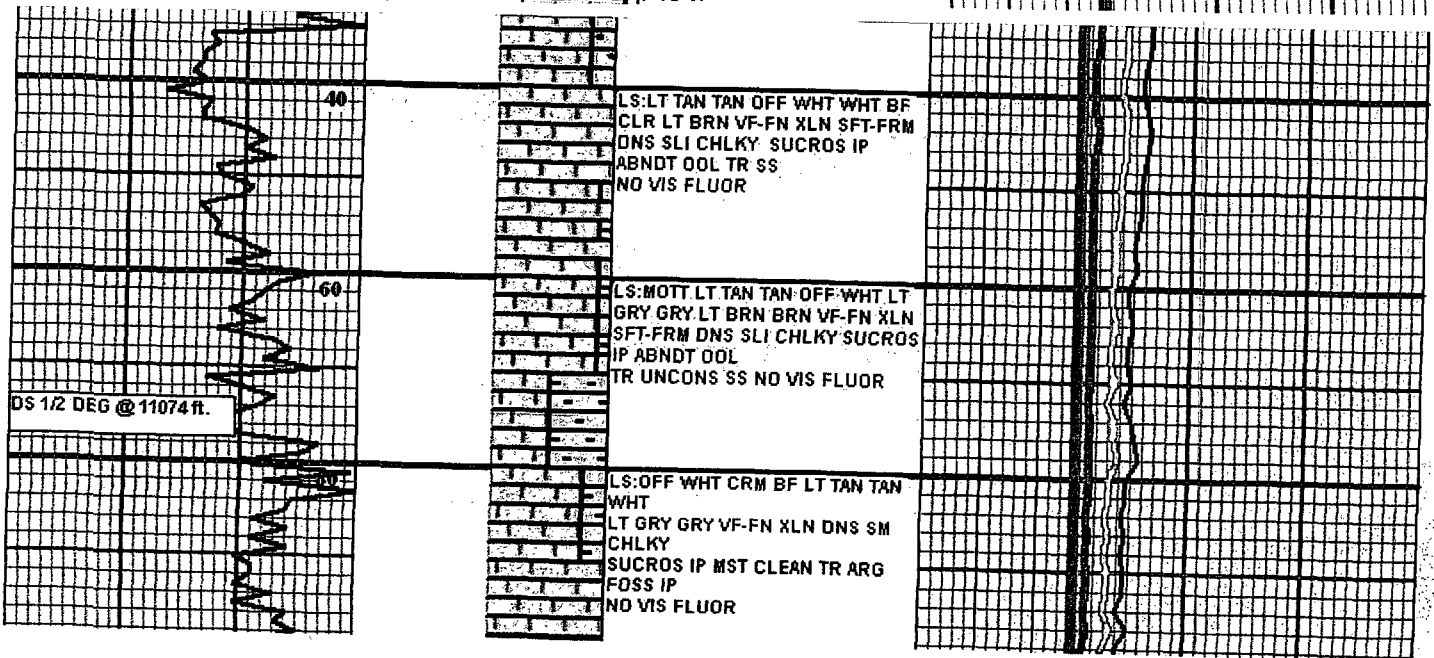
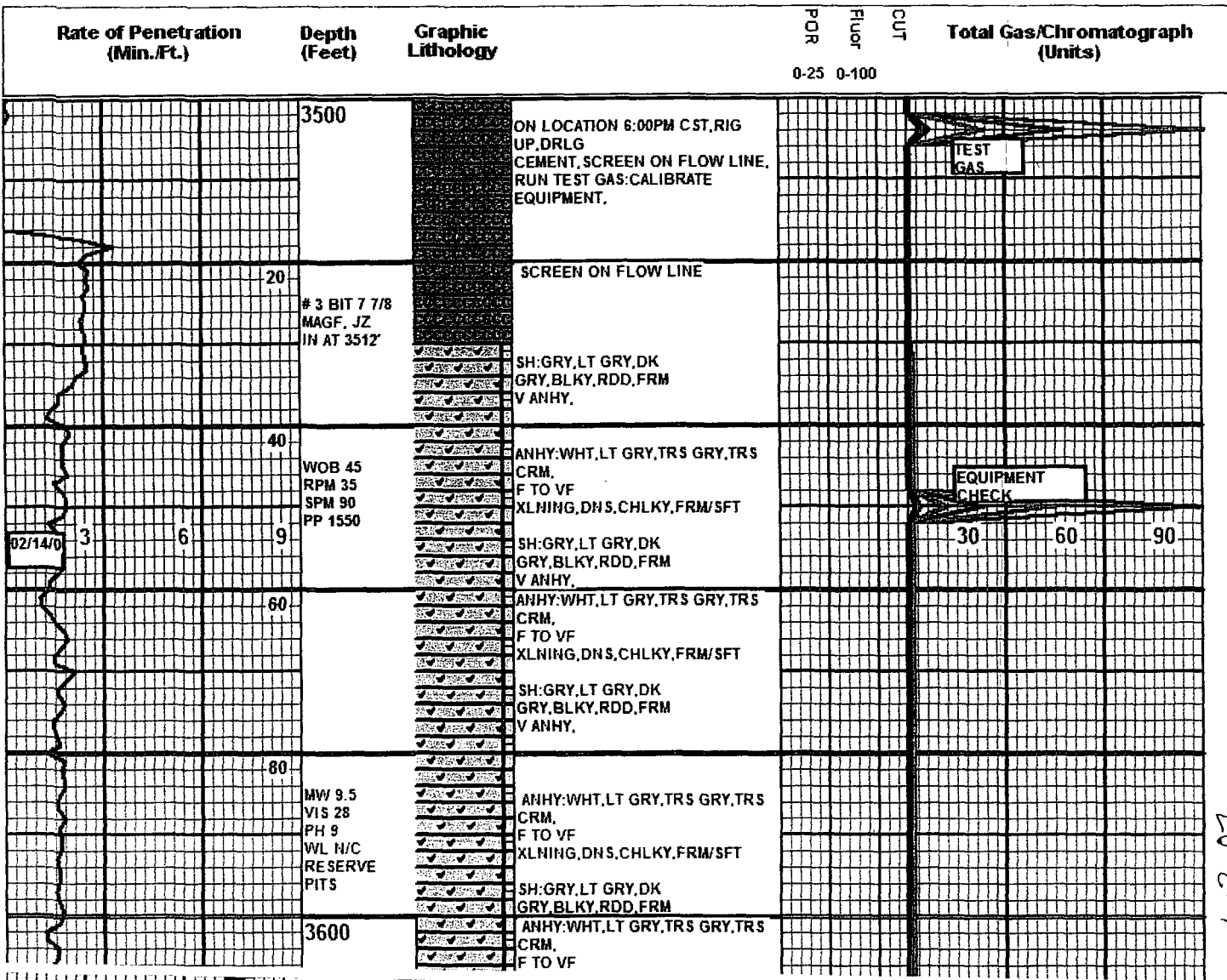
Company: SAMSON RESOURCES COMPANY
Well Name: MESCALERO SPRINGS 23 #1
Field Name:
Location: 1980' FSL & 660' FWL SEC 23 T11S R31E
County and State: CHAVES, NEW MEXICO
KB: 0
GL: 4456
Unit No: 24
Job No: 1365
Unit Phone: 2383978
Contractor: PATTERSON 480

Start Depth: 3500
End Depth: 11056
Start Date: 02/13/06
End Date: 03/12/06

Logged By: W.C. CARMICHAEL
J.D. KRAUSE

— Total Gas
— Methane (C1) — Butanes (C4)
— Ethane (C2) — Pentanes (C5)

✓ Lime: ■ / ◆ — Chert: ■ Shale: ■ Salt: +



1-2-07
Samson Exhibit No. 62

SS:CLR,FRST,F TO CRSE
GR,ANG,CONSL
TITE,CALC CMTD,NO VIS FLUO.

LS:MOTT,LT GRY,GRY,WHT,F TO VF
XLNING,DNS,SUCROS,FRM,CHLKY
IP
V SHLY,GRADING TO LMY SHALE
IP,
SME SCRTTD FREE SS,NO VIS
FLUO

SH:DK GRY,GRY,BLKSH
GRY,BLKSH BRN, FRM TO MOD
HRD,TRS WXY TEX,
SL TRS BRTLE,CARB IP,SME V
SLTY,

LS:MOTT,LT GRY,GRY,WHT,TRS
TN,TRS
CLR,VF TO MICRO
XLNING,DNS,FRM,
SME CHLKY,SME V SHLY,NO VIS
FLUO

03/12/00

10900

SH:DK GRY,GRY,BLKSH
GRY,BLKSH BRN, FRM TO MOD
HRD,TRS WXY TEX,
SL TRS BRTLE,CARB IP,SME V
SLTY,

SH:BLK,WXY TEX,MOD
HRD,CARB,LIG,

SS:CLR,F/CRS
GR,CONSL,TITE,CALC CMTD,NO
FLUO,SL GAS INCRSE,

SS:CLR,CRS/F GR,CONSL,MOD
TITE,CALCMTX,NO GAS INCRSE,NO

SH:DK GRY,BLKSH
GRY,BLK,FRM,WXY
TO RTHY TEX,BLKY RDD
IP,CARB,TRS LIG,

SS:CLR,F GR,UNCONSL CLR
QTZ,SL TRS
CALC MTX,PRED V CLN,SL GAS
INCRSE,

SS:CLR,F GR,UNCONSL CLR
QTZ,SL TRS
CALC MTX,PRED V CLN,SL GAS
INCRSE,
NO FLUO,

SS:CLR,FRST,F
GR,CONSL,UNCONSL,
SME TITE,LMY CMTD,SL TRS
SS:CLR FRST WHT OFF WHT BF
FN-MED GRN UNCONS IP SM CEM
W/CALC
MST CLEAN SUB RND SUB ANG
TR SCATTRD GRN/YEL FLUOR
POOR SLW STRMN YEL/GRN CUT

11000

SS:CLR FRST WHT OFF WHT BF
FN-MED GRN UNCONS IP SM CEM
W/CALC POORLY SRTED MST
CLEAN SUB RND SUB ANG TR
SCATTRD GRN/YEL FLUOR
POOR SLW STRMN YEL/GRN CUT

LS:LT TAN TAN OFF WHT WHT BF
CLR LT BRN VF-FN XLN SFT-FRM
DNS SLI CHLKY IP SUCROS IP SM
OOL IP SM EMBDDD SS
NO VIS FLUOR

LS:LT TAN TAN OFF WHT WHT BF
CLR LT BRN VF-FN XLN SFT-FRM
DNS SLI CHLKY SUCROS IP
ABNDT OOL TR SS
NO VIS FLUOR

LS:MOTT LT TAN TAN OFF WHT LT
GRY GRY LT BRN BRN VF-FN XLN
SFT-FRM DNS SLI CHLKY SUCROS
IP ABNDT OOL
TR UNCONS SS NO VIS FLUOR

LS:OFF WHT CRM BF LT TAN TAN
WHT
LT GRY GRY VF-FN XLN DNS SM
CHLKY
SUCROS IP MST CLEAN TR ARG
FOSS IP
NO VIS FLUOR

DS 1/2 DEG @ 11074 ft.