

COMPANY SIRGO OPERATING INC.
WELL WEST PEARL QUEEN UNIT NO 180
LOCATION SECTION 28 TWP 19S RGE 35E
COUNTY LEA STATE NEW MEXICO
ELEVATION DR GL 3722' KB 3734
SUPERVISING ENGR. CE TAYLOR
DEPTH LOGGED FROM 4300' TO 5075'
DATE LOGGED FROM 5-22-90 TO 5-26-90

MORCO GEOLOGICAL SERVICES

SAND	LIMESTONE	GRANITE WASH
SILTSTONE	DOLOMITE	CONGLOMERATE
SHALE	ANHYDRITE	CHERT

GAS CHROMATOGRAPH ANALYSIS

FILE COPY
ETHANE
PROPANE

BUTANE
PENTANE

NRS - NEW BIT
DCB - DIAMOND CORE BIT
DST - DRILL STEM TEST

NR - NO RETURN
CO - CIRCULATED OUT

DRILLING RATE
MIN/FT FT/HR TFG PRO
LITHOLOGY
LEACHED UNIT
TGF
ELAPSED %
OIL STAIN

HYDROCARBON ANALYSIS LOG
ONE MAN SERVICE * CHROMATOGRAPH
TOTAL GAS ANALYSIS

REMARKS
W V F OK PH CL

SET 8 5 1/2" CASING AT 413'

ONE MAN ON AT 135AM, 5-22-90

DRILLING WITH BIT NO. 2
7 1/8" F-27

HOT WIRE CALIBRATION
1% CITE COU

CHROMATOGRAPH TEST

CL = 220
C2 = 360
C3 = 280
C4 = 160
LS = 30

20 40 60

WOB 50K
RPM 70
SPM 100
PP 400

...lt gry,frstd,vfn grn,sme
silt,sh ang-sh rnc,fria,dol
oat,wl artd

DEV 5 1/2"

CONN MUD WT 10
VIS 29
PH 8.5

DOL:gry,brn,tn,vfn-xln
sme anhy inclu

2.5

CONN + SVY

DOL:bff,wht,off wht,vfn-mic
sme anhy inclu,tr shky

2.5

CONN

DOL:lt brn,tn,bff, vfn-mic
ln,sme anhy

2.5

CONN

ANHY:clr,frstd,vfn-fnxln
abndnt gyp

2.5

CONN

DOL:tn,gry,brn,bff,vfn-fn
xln,sme anhy inclu

2.5

MUD UP IN WORKING PIT

ANHY:clr,frstd,vfn-fnxln
redom gyp

5-23-90

CONN

DOL:cm,lt brn,tn,bff,vfn-fn
xln,sme anhy

SCALE CHANGE

MUD WT 10Z
VIS 31
PH 9
FIL 64
CL 192K

ANHY:clr,frstd,vfn-fn
xln,sme anhy inclu

5-23-90

CONN

DOL:lt brn,tn,bff,vfn-fn
xln,same anhy inclu,same fny
sucro,tr pyr,tr shdy

5-23-90

CONN

ANHY:clr,frstd,vfn-fn
xln,same gyp

5-23-90

TG

DOL:bff,tn,cm,lt brn,vfn-fn
xln,sme anhy inclu,tr pyr

5-23-90

CONN

DOL:cm,lt brn,tn,vfn
xln,same anhy inclu,mod wl artd

5-23-90

CONN

ANHY:clr,frstd,sme clr,vfn-fn
xln,same gyp

5-23-90

CONN

TR SS:lt gry,off wht,vfn
grn,sh rnc,sh rnc,sh ang,
lslty consl,dolo crnt,mod wl artd

5-23-90

MUD WT 10Z
VIS 31
PH 9
FIL 6
CL 194K

SS:lt gry,clr,grn,vfn
sh rnc,sh rnc,sh ang,lslty
consl,dolo crnt,mod wl artd

5-23-90

CONN

ANHY:bff,tn,cm,lt brn,vfn-fn
xln,same anhy inclu

5-23-90

TG

DOL:bff,tn,cm,lt brn,vfn-fn
xln,same anhy inclu,mod wl artd

5-23-90

CONN

ANHY:clr,frstd,sme clr,vfn-fn
xln,same gyp

5-23-90

CONN

ANHY:clr,frstd,sme clr,vfn-fn
xln,same gyp

5-23-90

MUD WT 10Z
VIS 31
PH 9
FIL 6
CL 195K

ANHY:clr,frstd,sme clr,vfn-fn
xln,same gyp

5-23-90

CONN

ANHY:clr,frstd,sme clr,vfn-fn
xln,same gyp

5-23-90

TG

DOL:bff,tn,cm,lt brn,vfn-fn
xln,same anhy inclu,mod wl artd

5-23-90

CONN

ANHY:clr,frstd,sme clr,vfn-fn
xln,same gyp

5-23-90

TG

DOL:bff,tn,cm,lt brn,vfn-fn
xln,same anhy inclu,mod wl artd

5-23-90

CONN

ANHY:clr,frstd,sme clr,vfn-fn
xln,same gyp

5-23-90

MUD WT 10Z
VIS 31
PH 9
FIL 6
CL 195K

ANHY:clr,frstd,sme clr,vfn-fn
xln,same gyp

5-23-90

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