



ABBREVIATIONS		MUD CHARACTERISTICS	
NB	NEW BIT	W	WEIGHT LBS/GAL
NCB	NEW CORE BIT	V	VISCOSITY API SECONDS
CO	CIRCULATED OUT	F	FILTRATE API CC'S
DST	DRILL STEM TEST	CK	FILTER CAKE
LAT	LOGGED AFTER TRIP	S	SALINITY PPM CL
TG	TRIP GAS	Rmt	MUD-RESISTIVITY OHM-METER
NR	NO RETURNS		OHM-METER
DS	DIRECTIONAL SURVEY		
DC	DEPTH CORRECTION		
CKF	CHECK FOR FLOW		
TCL	TRIP CHLORIDES		

COMPANY **GULF MINERAL RESOURCES COMPANY**

WELL **STEAMBOAT SPRINGS ST-12**

FIELD **WASHOE** STATE **NEVADA**

Location: Sec **NWNW 13** Twp **17 N** Rgs **19 E**

Permanent Datum: Elev. **8541.4'**
Log Measured From: **DF 5414'**
Drilling Measured From: **GL 5410'**

Logged SURFACE Ft **1770** Ft
Date Logged **9-20-80** To **10-8-80**
Depth Measured From **SURFACE**

Supv Engr **J. RIDLEY**
Type Muds **GEL, CHEM.**

Unit No **1770**

LITHOLOGY

Remarks: _____

NL BAROID PETROLEUM SERVICES

WELL **STEAMBOAT SPRINGS ST-12** COMPANY **GULF MINERAL RESOURCES** LOCATION **WASHOE CO., NEVADA**

LEGEND

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DRILLING RATE	LITHOLOGY	DEPTH	TEMPERATURE F	CONDUCTIVITY MUD	BACKGROUND GAS	H ₂ S	CO ₂	REMARKS
□ FT PER HR X MIN PER FT			IN OUT	IN OUT	HOT WIRE UNITS	PPM	PPM	
2 4 6 8			60 80 100 110		10 20	5		

SPUD WELL, BEGIN LOGGING 12:00 MID 9-20-80

BNI HAMMER BIT

DRILLING CONTRACTOR **AQUA DRILLING CO.**

NO TEMPERATURES DRILL WITH AIR TO 63'

WATER ZONE AT 63'

BEGIN DRILLING WITH MUD

TEMP. PANEL AND GAS DETECTORS IN OPERATION

9-21-80

BN1 6 3/4" HTC 8 3/4"

STUCK PIPE 110'

WT 8.5 VISC 36

9-22-80

BN2 8 7/8" HTC 10 7/8"

IN AT 15'

9-22-80

WT 8.5 VISC 37

9-23-80

NIPPLE UP SET 185'

BN3 3 3/8" HTC J 3 3/8" 1 1/4"

BN4 6 1/4" HTC 6 1/4"

9-24-80

BN5 6 1/4" HTC 6 1/4"

IRAM BLAST

REAM 8" - 246'

NE 7 RERUN OF BN5 IN AT 246'

DRILLING WITH AIR NO TEMPERATURES BEGINNING AT 246'

9-25-80

BN7 10 5/8" HTC 10 5/8"

NR 8 RERUN BN6 IN AT 350'

SET CEMENT TO SEAL OFF WATER AT 350'

9-25-80

DRILLING WITH MUD BEGINNING AT 350'

TEMP. PANEL IN OPERATION GAS DETECTOR DOWN

9-26-80

INT. VOLC. GY, V. HD, SBANG-SBRD FRAGS, PLAG, HRNBLD, QTZ GR, ORANGE CLY, MNR. FE-STN, NO VIS. SLICKS, INCR. FRAG. SIZE

9-26-80

A/A W/ PLAG, HRNBLD, QTZ, BIO, K-SPAR, PX, MNR. CLY, CHL, FE-STN INCR. MYL.

9-26-80

INT. VOLC. A/A W/ METAVOLC. RK FRAGS ABDT. CLY.

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