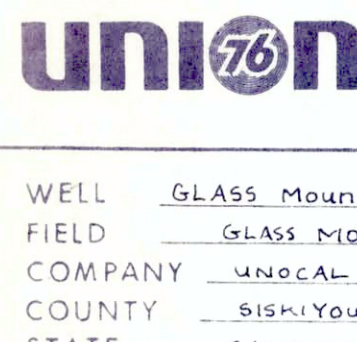


WELL 12-8
UNION MILP LOG



WELL GLASS MOUNTAIN FEDERAL 6-B-B
 FIELD GLASS MOUNTAIN UNIT
 COMPANY UNOCAL
 DATE 7/27/85 INTERVAL 250' - 1088'
 SERVICES LOGGING RUNS TEMPERATURES TC
 COUNTY Siskiyou
 STATE CALIFORNIA
 LOCATION T 43 N R 4 E SECTION 9
 3225' E AND 500' N OF THE SW CORNER EL M 7032
 KB EL 7064 TD 6571'
 BHL DEVIATION SURVEY ONLY - MAG-DIRECTIONAL
 2" deviation at TD - Straight line
 SPUD DATE JULY 19, 1985
 COMPLETION DATE AUGUST 15, 1985
 DRILLING CONTRACTOR H. W. DRILLING CO #3
 ENGINEERS PAUL STROUD
 GEOLOGISTS JOHN BODELL ALEX SCHAEFER, JR.

CASING RECORD		RIG TEST								
DIA	INTERVAL	DATE	TIME	SH/TIME	WHP	FLP	Δ P	FLT	ORIFICE	RATE
30"	0 - 12'									
20"	0 - 238'									
13 1/2"	0 - 1084'									
9 3/8"	912 - 355'									
7" Spoolhose Pipe 412' - 6571'		REMARKS								
7" Line Pipe 3325' - 412'		REMARKS								

DRILLING		LITHOLOGY		EXPLANATION		MINERALS		PHYSICAL-CHEMICAL	
RB	NEW BIT	□	SHALE ARGILLITE (MICROGRAWACK)	□	FELSIC INTRUSIVE	○	QUARTZ	T	TEMPERATURE
RRB	RERUN BIT	□	MUDSTONE	□	INTERMEDIATE INTRUSIVE	○	CALCITE	BH	BOTTOM HOLE
CB	CORE BIT	□	GRAYWACK	□	MAFIC INTRUSIVE	E	EPIDOTITE	DH	DOWN HOLE
DD	DIRECTIONAL DRLG	□	CONGLOMERATE	□	FELSIC EXTRUSIVE	CH	CHLORITE	FL	FLOW LINE
BW	BIT WEIGHT	□	LIOMISTE	□	EXTRUSIVE	Z	FELDSPAR	FU	FLOWS UP
DEV	DEVIATION	□	DILOMITE	□	MAFIC EXTRUSIVE	M	MICA	TC	TIME SINCE CIRC
KOP	KICK-OFF POINT	□	EVAPORITE	□	TUFF	CY	OPAL	SH	SHUT IN
DST	DRAIL STEM TEST	□	SERPENTINITE	□	VOLCANIC BRECCIA/SCORIA	L	LIMONITE	PMW	PARTS PER MILLION
LC	LOST CIRCULATION	□	GREENSTONE	□	REORGANIZED FELSIC FLOW	P	PHYRITE	CR	CIRCULATION RATE
DP	PLUG BACK	□	METAMORPHIC	□	MELANOCLASTIC	G	GALENA	WL	WATER LOSS
PB	DRILL PIPE	□		□				GP	GALVANIC PROBE
DC	DRILL COLLAR	□		□				CHL	CHLORIDES
KB	KELLY BUSHING	□		□				DB	DRILLING BREAK

