OR-346.

359058

ENCLOSURE 1

ESSO EXPLORATION AND PRODUCTION AUSTRALIA INC.

WELL COMPLETION LOG
TOOLKA– 1A

CONCESSION: T/3P STATE: TASMANIA BASIN: BASS

LOCATION: Lat. 39° 24' 35·678" S Long. 145° 23' 45·108" E X 361,896m E Y 5,636.491m N

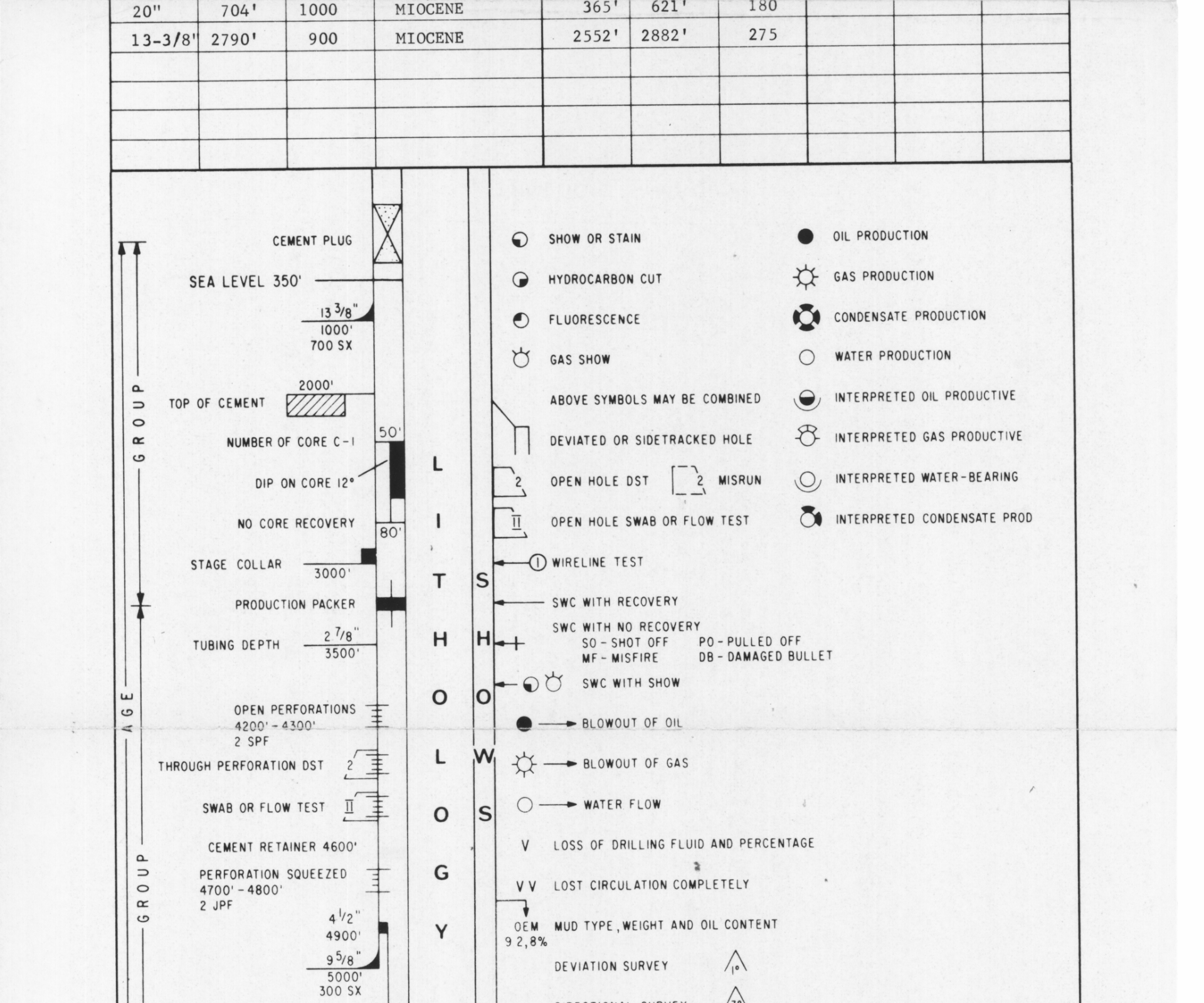
ELEVATION: G.L. 0 K.B. 32' WATER DEPTH: 258'

SPUDDED: 14-1-74 RIG RELEASED: 5-2-74 I.P. ESTABLISHED: DRILLED BY: GLOMAR CONCEPTION

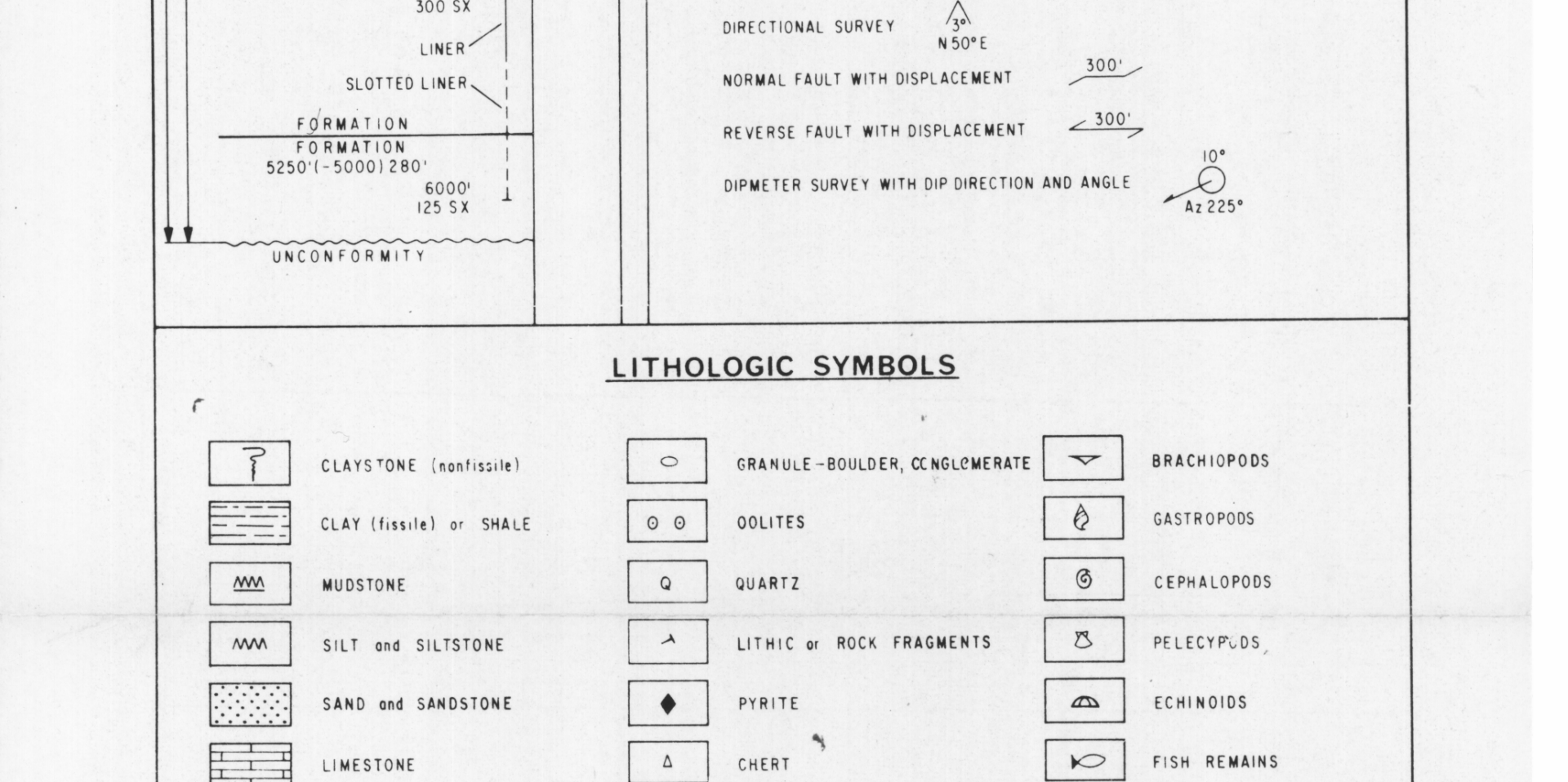
CLASSIFICATION: Unsuccessfull New Field Wildcat STATUS: PLUGGED & ABANDONED

TOTAL DEPTH: 8907' (drlr.); 8897' (schl.) PLUGGED BACK T.D.: 365'

CASING AND TUBING				PLUGS			PERFORATIONS		
SIZE	SET AT	SX. CMT.	FORMATION	FROM	TO	SX. CMT.	FROM	TO	No./FT.
20"	704'	1000	MIOCENE	365'	621'	180			
13-3/8"	2790'	900	MIOCENE	2552'	2882'	275			


CEMENT PLUG
SEA LEVEL 350'
13 3/8" 1000' 700 SX
TOP OF CEMENT 2000'
NUMBER OF CORE C-1 50'
DIP ON CORE 12°
NO CORE RECOVERY 80'
STAGE COLLAR 3000'
PRODUCTION PACKER
TUBING DEPTH 2 7/8" 3500'
OPEN PERFORATIONS 4200'-4300' 2 SPF
THROUGH PERFORATION DST
SWAB OR FLOW TEST
CEMENT RETAINER 4600'
PERFORATION SQUEEZED 4700'-4800' 2 JPF
4 1/2" 4900'
9 5/8" 5000' 300 SX
LINER
SLOTTED LINER
FORMATION
FORMATION 5250'(-5000) 280'
6000' 125 SX
UNCONFORMITY
AGE
GROUP
LITHOLOGY
SHOWS
SHOW OR STAIN
HYDROCARBON CUT
FLUORESCENCE
GAS SHOW
ABOVE SYMBOLS MAY BE COMBINED
DEVIATED OR SIDETRACKED HOLE
OPEN HOLE DST
MISRUN
OPEN HOLE SWAB OR FLOW TEST
WIRELINE TEST
SWC WITH RECOVERY
SWC WITH NO RECOVERY
SO - SHOT OFF
MF - MISFIRE
PO - PULLED OFF
DB - DAMAGED BULLET
SWC WITH SHOW
BLOWOUT OF OIL
BLOWOUT OF GAS
WATER FLOW
LOSS OF DRILLING FLUID AND PERCENTAGE
LOST CIRCULATION COMPLETELY
OEM 9 2,8%
MUD TYPE, WEIGHT AND OIL CONTENT
DEVIATION SURVEY
DIRECTIONAL SURVEY
N 50° E
NORMAL FAULT WITH DISPLACEMENT
REVERSE FAULT WITH DISPLACEMENT
300'
DIPMETER SURVEY WITH DIP DIRECTION AND ANGLE
10°
Az 225°
OIL PRODUCTION
GAS PRODUCTION
CONDENSATE PRODUCTION
WATER PRODUCTION
INTERPRETED OIL PRODUCTIVE
INTERPRETED GAS PRODUCTIVE
INTERPRETED WATER-BEARING
INTERPRETED CONDENSATE PROD

LITHOLOGIC SYMBOLS


CLAYSTONE (nonfissile)
CLAY (fissile) or SHALE
MUDSTONE
SILT and SILTSTONE
SAND and SANDSTONE
LIMESTONE
DOLOMITE
CALCAREOUS
M = MICRITIC LIMESTONE
G = GRANULAR LIMESTONE
S = SKELETAL LIMESTONE
MARL
GRANULE-BOULDER, CONGLOMERATE
OOLITES
QUARTZ
LITHIC or ROCK FRAGMENTS
PYRITE
CHERT
COAL
CARBONACEOUS MATTER
GLAUCONITE
VOLCANICS
CORALS
BRYOZOANS
BRACHIOPODS
GASTROPODS
CEPHALOPODS
PELECYPODS
ECHINOIDS
FISH REMAINS
ALGAE
PLANT REMAINS
SPORES
LEAVES
FORAM GENERAL
FOSSILS, MICROFOSSILS

GEOLOGISTS .... LITHOLOGY INTERPRETED BY: .... DATE: ....

WIRE LINE LOGGING SERVICES

LOG	INTERVAL	LOG	INTERVAL
ISF	2790 - 8896	VELOCITY SURVEY	3300 - 8800
BHC	2790 - 8894	CST	4505 - 8896
FDC/CNL/GR	2790 - 8892	FIT #1	7361
	(GR to 290')	FIT #2	7224.5
HDT	2790 - 8889		

Date	FEB. 1, 1974	
Run No.	ONE	
Depth — Driller	8907	
Depth — Logger	8897	
First Reading	8896	
Last Reading	2790	
Casing — Driller	13-3/8" @ 2790'	
Casing — Logger	2790	
Bit Size	9-7/8"	
Type Fluid in Hole	LIGNOSULPHONATE	
Density | Viscosity	9.9	45
pH | Fluid Loss	9.8	8 ml.
Source of Sample	FLOWLINE	
Rm at Meas. Temp.	0.78 at 78°F	
Rmf at Meas. Temp.	0.59 at 75°F	
Rmc at Meas. Temp.	1.14 at 75°F	
Source: Rmf Rmc	PRESS	PRESS
Rm at BHT	0,24 at 221°F	
Time Since Circ.	7 HOURS	
Max. Rec. Temp.	221°F	
Equip. | Location	2080	SAL
Recorded By	HANNINGTON	
Witnessed By	BENEDEK	

REMARKS:

LOGGING DATA		EQUIPMENT DATA	
Run No.	ONE	Run No.	ONE
Type of Sonde	6FF40	Panel	UA-53
Stand-off	1.5"	Cartridge	MA-123
S.B.R.	1	Sonde	S - 123
		Test Loop	

SPONTANEOUS POTENTIAL
millivolts
DEPTHS
RESISTIVITY
ohms - m²/m
SFL
0 10
0 100
AMPLIFIED SFL
0 2
INDUCTION
0 10
CONDUCTIVITY
millimhos - m/m² = 1000 / ohms - m²/m
6FF40
INDUCTION
1000 0
10mv
2552'
20" 704' 1000 SX
13 3/8" 2790' 900 SX
Marl, lt.gy., v. soft., foss., glauc., tr pyr.
Marl, lt.gy., soft, foss., glauc. & marl. brn, sdy, w. slt-sz qz.
Thin dol.- calc. seds.
OLIGOCENE
Marl, brn, soft, silty, glauc., br. carb.
Sst., lt.brn., cs., dol., gr. r. m-w srtd., qzose.
3622'(-3590)
Sltst., brn, soft, glauc., calc., carb.
SCALE CHANGE
10
20
UPPER EOCENE SHALE
Sltst., lt.brn-brn, calc., carb. soft.
4362'(-4330)
Top Eastern View
Siesmic Marker
NR
Sst., wh-lt. brn., v. f-m., dol., gr. sa-sr., m-w srtd.
Sltst., brn, carb., pyr., soft.
Sst., lt.gy., f.& cs-v.cs., friable, gr. sa-sr., w. srtd. csr. sd. clean.
4917'(-4885)
P. asperopolus
Siesmic Marker
Sltst. dk.brn. compact, carb, mic., pyr.
EOCENE
LOWER N.asperus
CORE LOWERED 13' TO ISF
5102
C-1
5132
Sst., buff, f, sl. calc., sl. carb.
LOWER N. asperus?
1000
500
SCALE CHANGE
Sst., lt.brn-lt.gy., v.f. carb sl. calc.
5707'(-5675)
Upper M.diversus
Siesmic Marker
P. asperopolus
Sltst. to clyst, brn, carb., sst., lt.brn v.f. clayey, tight, - coal, blk., bright.
EASTERN VIEW GROUP
UPPER M.diversus
6347'(-6315)
Lower M.diversus
Siesmic Marker
Sltst., buff-brn, carb., & sst., buff, sa-sr m. srtd., fair ϕ
EOCENE
MIDDLE M.diversus
Mdst., ol-brn., pyr., sl. carb., sub-fissile.
LOWER M.diversus
LOWER M.diversus?
Sst., lt.brn., f-v.f., sa., m. srtd., porosity poor to tight, sl. carb., clayey matr.
SCALE CHANGE
20
50
Sltst- mdst., brn, carb., mica., pyr., hd.
EASTERN VIEW GROUP
Sltst- clst., dk.gy.-blk., mic., v. carb., sub-fissile, firm.
Siliceous clayst., contact m.m. with altered fsp.
SCALE CHANGE
20 1000
SCALE CHANGE
Igneous amphibolite, feldspar, mica, chlorite, euhedral. common pyr. rare qz.
Sst. lt.gy., f-v.f., qztic, tight. poss. xenolith
Igneous, probable secondary sill.
Sltst., m.gy., soft, mic., pyr.
Sltst- sh., dk.gy., soft mic., pyr., carb.
T.D. 8907'
(-8897')

TOOLKA-1A (F.I. TESTS)

FIT #1 @ 7361'.

Main Chamber: Recovered .12 cu.ft. Gas
9500 cc Water
75 cc Mud.

Pressure: FP 500 psi