

Component	Sarvak	Gadvan	L.Fahliyan U	L.Fahliyan L.
Well	HOS2	HOS1	HOS1	KSK1
Interval (m)	2764m-2827m	3846.5m-3850.5m 3853.5m-3859.5m	4032m-4105m	4238m-4247m
H ₂ S*	0.10	0.00	0.08	0.27
N ₂	0.39	0.18	0.14	0.07
CO ₂ *	3.00	2.28	1.92	2.69
C ₁	24.48	43.71	48.66	47.65
C ₂	7.64	9.04	9.80	8.56
C ₃	5.29	6.41	6.02	5.57
iC ₄	1.06	1.22	0.99	1.05
nC ₄	3.66	3.60	2.54	2.73
iC ₅	2.11	2.01	1.20	0.90
nC ₅	2.87	2.41	1.64	1.15
C ₆	6.64	3.41	3.03	3.36
C ₇	3.46	2.73	2.09	2.66
C ₈	3.45	2.37	1.89	1.91
C ₉	2.61	1.90	2.10	1.67
C10	2.89	2.05	2.27	19.74(C10+)
C11	2.91	1.55	1.37	
C12+	27.43	15.13	14.29	

Notes : Data was obtained PVT analysis (down hole Sampling) report prepared by RIPI.

Table 4-6 PVT Compositional Analysis of Oil (mol%)

Formation		Sarvak 2	Gadvan	L.Fahliyan upper	L.Fahliyan low
Stock Tank Oil Gravity	deg API	21.36	38.4	34.13	37.54
Oil Density	g/cm ³	0.9257	0.8328	0.8543	0.8371
Oil Viscosity	(10°C) cP	330.48	14.66	21.06	11.33
	(20°C) cP	154.37	6.79	10.36	8.22
	(40°C) cP	48.26	3.88	5.32	4.22
Pour Point	°C	-24	-9	-16	-15
Production GOR	SCF/STB	282	1173	1582	1806
Solution GOR	SCF/STB	385.78	1438.06	1577.45	1805.68
H ₂ S Content(average / range)	ppm	3064	14.7	2725	6677
		2985-3143		1100-6280	3500-9890
CO ₂ Content	mol %	3.15	3.27	3.21	3.73
Salt Content	PTB	47	---	110	15
Drop Melting Point of Wax	°C	51	54	54	52
Asphaltene Content	wt%	1.2	0.2	1.4	0.2
Wax Content	wt%	5.40	6.1	6.48	6.70
Sulphur Content	wt%	3.65	1.18	1.26	0.74
Heavy Metals	ppm				
	Nickel	<1	1.3	<1	<1
	Vanadium	133	8.3	9.2	<3
	Lead	<1	<1	<1	<1
	Sodium	11	74	34	0.17

Notes : H₂S Content (average / range) is from DST and the other data is from PVT.

Table 4-5 Hydrocarbon fluid properties from wells/lab tests