

OPETROLClient : NORSKE SHELL**L&U DOK. SENTER**Field : WILDCATL. NR. 20088390011Well : 3 1/2 - 3KODE Well 3 1/2 - 3 nr. 10

Returneres etter bruk

BOTTOM HOLE PRESSURE CALCULATIONWell producing through casing / tubing / drill pipe
Bottom hole temperature: 140°F at depth 5120 ft with**INSTRUMENT DATA**Instrument type:
S element No. and range:
Ordering element No.:
Sk. No. and capacity:**LOWER GAUGE**RPC 3
41673 0 - 3000
43776
E5567 72 hrs**UPPER GAUGE****CALIBRATION DATA**Calibration No. and date:
Calibration temperature:
Calibration range:

1535.261

UND - ARKIVET

Nr.:

Calibrated chart):
(non calibrated chart):

ME	Choke size	W.H. pressure	Depth	Y	C*	P	Y	C*	P
inches	inches	psi	ft						
	STYLUS ON								
20	8/64	SWAB VALVE OPEN				AMERADA IN LUBRICATOR			
52	"	52	-20	0.0330		51			
57	"	56	-20	0.0357		55			
72	"	56	3136	0.8133		1249			
77	"	66	"	0.8140		1250			
82	"	62	"	0.814		1250			
87	"	60	"	0.8105		1247			
12	"	60	"	0.8105		1247			
17	"	59	"	0.8115		1246			
22	"	58	"	0.8108		1245			
27	"	57	"	0.8105		1244			
32	"	60	"	0.8105		1244			
37	"	60	"	0.8113		1246			
42	"	64	"	0.8118		1246			
47	"	62	"	0.8120		1247			
52	"	60	"	0.8120		1247			

S: 0011678 "Travel per min"

FLOPETROL

Client : NORSKE SHELLSection : ANNEX 1.2

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Field : WILDCAT

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BOTTOM HOLE PRESSURE CALCULATIONS

Well producing through casing / tubing / drill pipe
Bottom hole temperature : 140°F at depth 5120 ft with _____

INSTRUMENT DATA

Instrument type : _____
Press element No. and range : _____
Recording element No. : _____
Clock No. and capacity : _____

LOWER GAUGE

RPC 3
41673 0-3000
43776
E5567 72 hrs

UPPER GAUGE

CALIBRATION DATA

Calibration No. and date : _____
Calibration temperature : _____
Calibration range : _____
K : _____
a : (calibrated chart) _____
P:RC : (non calibrated chart) _____1535.261

UND - ARKIVET

Nr. : _____

DATE - TIME		Choke size	W.H. pressure	Depth	Y	C *	P	Y	C *	P
Time	Cumul									
hrs	min	in	psi	ft						
7-6-80	-	-	-	-						
06 35		STYLUS ON								
06 58	20	8/64	SWAB VALVE OPEN				AMERADA IN LUBRICATOR			
07 30	52	"	52	-20	0.0330		51			
07 45	67	"	56	-20	0.0357		55			
08 10	92	"	56	3136	0.8133		1249			
08 15	97	"	66	"	0.8140		1250			
08 20	102	"	62	"	0.814		1250			
08 25	107	"	60	"	0.8145		1247			
08 30	112	"	60	"	0.8120		1247			
08 35	117	"	59	"	0.8115		1246			
08 40	122	"	58	"	0.8108		1245			
08 45	127	"	57	"	0.8105		1244			
08 50	132	"	60	"	0.8105		1244			
08 55	137	"	60	"	0.8113		1246			
09 00	142	"	64	"	0.8118		1246			
09 05	147	"	62	"	0.8120		1247			
09 10	152	"	60	"	0.8120		1247			

REMARKS : 0011678 "Travel per min"

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FLOPETROL

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- B.H. PRESSURE CALCULATIONS (Continuation) -

Page : _____
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DATE - TIME		Choke size	W.H. pressure	LOWER GAUGE			UPPER GAUGE		
Time	Cumul			Depth	Y	C*	P	Y	C*
Hour	Min	inches	psi	ft	Inches	psi			
7/6	80								
09	15	2/64	60	411	1.0508		1613		
09	20	"	62	"	1.0508		1613		
09	25	"	62	"	1.0510		1614		
09	30	"	62	"	1.0505		1613		
09	35	"	58	"	1.0500		1612		
09	40	"	61	"			1612		
09	45	"	60	"			1612		
09	50	"	60	"	1.0485		1611		
09	55	"	60	"	1.0480		1610		
10	00	"	58	"	1.0485		1610		
10	05	"	59	"	1.0480		1609		
10	10	"	58	"	1.0477		1608		
10	14	"	58	"	1.0470		1607		P.I. to nipple
10	18	"		5105					GAUGES SET in nipple
							11.00		
11	00	"	65	5105	1.3306		2057		
11	05	"	57	"	1.3315		2049		
11	00	"	62	"	1.3322		2054		
11	30	"	57	"	1.3332		2050		
11	00	"	68	"	1.3358		2051		
11	30	"	68	"	1.3350		2050		
11	00	"	73	"	1.3361		2049		
11	30	"	75	"	1.3392		2046		
11	00	"	78	"	1.3380		2045		
11	30	"	83	"	1.3380		2042		
11	00	"	85	"	1.3390		2040		
11	30	"	83	"	1.3368		2036		
11	00	"	92	"	1.3355		2032		Shut in well

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- B. H. PRESSURE CALCULATIONS (Continuation) -

Page : _____
Report N° : _____

				LOWER GAUGE			UPPER GAUGE			
DATE - TIME		Choke size	W. H. pressure	Depth ft.	Y	C*	P	Y	C*	P
Time	Cumul									
7/6/80										
17:00	00	0	92	5105	1.3235		2032			
17:05	05	"	109	"	1.3401		2057			
17:10	10	"	122	"	1.3575		2076			
17:15	15	"	133	"	1.3632		2092			
17:20	20	"	142	"	1.3718		2106			
17:25	25	"	149	"	1.3792		2117			
17:30	30	"	154	"	1.3849		2126			
17:35	35	"	158	"	1.3894		2133			
17:40	40	"	162	"	1.3932		2139			
17:45	45	"	165	"	1.3960		2143			
17:50	50	"	168	"	1.3993		2148			
17:55	55	"	171	"	1.4019		2152			
18:00	1:00	"	174	"	1.4062		2157			
18:05	1:05	"	-	"	1.4070		2160			
18:10	1:10	"	-	"	1.4093		2165			
18:15	1:15	"	-	"	1.4126		2169			
18:20	1:20	"	-	"	1.4150		2172			
18:25	1:25	"	-	"	1.4170		2175			
18:30	1:30	"	188	"	1.4195		2179			
18:35	1:35	"	-	"	1.4212		2183			
18:40	1:40	"	-	"	1.4236		2186			
18:45	1:45	"	-	"	1.4256		2189			
18:50	1:50	"	-	"	1.4275		2192			
18:55	1:55	"	-	"	1.4294		2195			
19:00	2:00	"	198	"	1.4314		2198			
19:05	2:05	"	-	"	1.4360		2205			
19:10	2:10	"	207	"	1.4402		2211			
19:15	2:15	"	-	"	1.4416		2216			

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- B. H. PRESSURE CALCULATIONS (Continuation) -

Page : _____
Report N°: _____

			LOWER GAUGE				UPPER GAUGE		
DATE - TIME	Choke size	W.H. pressure	Depth	Y	C*	P	Y	C*	P
	inches	psi	feet	inches		psi			
9:00	3" 60	212	5105	1.4464		2221			
9:15	3" 60	"	"	1.4482		2224			
9:30	3" 60	216	"	1.4502		2226			
9:45	3" 60	"	"	1.4514		2228			
10:00	4" 60	219	"	1.4526		2230			
10:15	4" 60	220	"	1.4543		2233			
10:30	5" 60	219	"	1.4553		2234			
10:45	5" 60	218	"	"		2234			
11:00	5" 60	217	"	"		2234			
11:15	7" 60	215	"	1.4563		2236			
8-26-88									
11:30	8" 60	215	"	1.4578		2238			
11:45	8" 60	216	"	1.4610		2243			
12:00	10" 60	218	"	1.4621		2245			
12:15	11" 60	218	"	1.4633		2246			
12:30	12" 60	218	"	1.4638		2247			
12:45	13" 60	218	"	1.4642		2248			
13:00	14" 60	217	"	"		2248			
13:15	15" 60	216	"	"		2248			
13:30	16" 60	215	"	"		2248			
13:45	17" 60	216	"	"		2248			
14:00	18" 60	216	"	1.4646		2248			
14:15	18" 60	215	"	"		2248			
End of build up unrecorded									

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