



Well Information

BHA #

1

SDI Job #:	NE140039H	FIELD:	Marcellus
COMPANY:	Jay Bee Oil & Gas	Sec-Twn-Rng:	
LOCATION:	DOC PAD / INDIAN CREEK RD	AFE# & District	
RIG NAME:	HWD RIG 12		
STATE:	West Virginia		
COUNTY:	Tyler	BHA TYPE	Steerable Assembly
WELL NAME:	DOC 6H		



RECEIVED
Office of Oil and Gas

FEB 22 2016

WV Department of
Environmental Protection

06/17/2016



SDI Job #: NE140039H
 COMPANY: Jay Bee Oil & Gas
 LOCATION: DOC PAD / INDIAN CREEK RD
 RIG NAME: HWD RIG 12
 STATE: West Virginia
 COUNTY: Country
 WELL NAME: DOC 6H

FIELD: Marcellus
 Sec-Twn-Rng:
 SD District

MOTOR INFORMATION	
Desc: 6 1/4 FIXED @ 2.0	
Bent Hsg/Sub: 2 / 2	Bit to Bend: 5.3
PAD OD: 6 11/16	NB Stab:

Slide Report for all BHA's in Job: NE140039H

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	12-Dec	Sliding	11:55	13:40	1.75	5924	5959	35	10	20.0	0	0	430	2300	14M	2.61	7.00	10.51	
1	12-Dec	Drilling	13:40	13:55	0.25	5959	5968	9	10	36.0	35	7000	430	2300	14M	3.54	9.00	10.51	
1	12-Dec	Sliding	14:05	16:05	2.00	5968	6003	35	10	17.5	35	7000	430	2300	14M	7.17	13.00	6.60	
1	12-Dec	Drilling	16:05	16:20	0.25	6003	6017	14	10	56.0	35	7000	430	2300		8.09	14.00	6.60	
1	12-Dec	Sliding	17:15	19:30	2.25	6017	6057	40	10	17.8	35	7000	430	2300	30M	11.10	15.00	10.03	
1	12-Dec	Sliding	19:45	23:20	3.58	6057	6101	44	10	12.3	35	7000	430	2300		15.41	16.00	9.12	
1	12-Dec	Sliding	23:50	24:00	0.17	6101	6110	9	10	54.0	35	7000	430	2300		16.23	16.00	9.12	
1	13-Dec	Sliding	00:00	02:00	2.00	6110	6146	36	10	18.0	35	7000	430	2300		19.50	15.00	9.32	
1	13-Dec	Sliding	02:10	04:35	2.42	6146	6190	44	10	18.2	35	7000	430	2300		23.43	12.00	8.46	
1	13-Dec	Sliding	05:00	08:00	3.00	6190	6234	44	10	14.7	35	7000	430	2300		27.35	12.00	10.47	
1	13-Dec	Sliding	08:15	10:55	2.67	6234	6279	45	10	16.9	35	7000	430	2300		32.29	13.00	12.75	
1	13-Dec	Sliding	11:10	13:30	2.33	6279	6323	44	10	18.9	35	7000	430	2300		37.79	14.00	12.48	
1	13-Dec	Sliding	13:45	16:00	2.25	6323	6365	42	10	18.7	35	7000	430	2300		43.11	15.00	13.77	
1	13-Dec	Sliding	17:10	18:40	1.50	6365	6409	44	10	29.3	35	7000	430	2300		47.85	16.00	3.03	
1	13-Dec	Drilling	18:50	19:25	0.58	6409	6452	43	10	73.7	35	7000	430	2300		48.82	16.00	1.52	
1	13-Dec	Drilling	19:35	20:10	0.58	6452	6496	44	10	75.4	35	7000	430	2300		48.90	15.00	1.20	
1	13-Dec	Drilling	20:20	20:55	0.58	6496	6541	45	10	77.1	35	7000	430	2300		48.92	15.00	0.71	
1	13-Dec	Drilling	21:05	21:50	0.75	6541	6585	44	10	58.7	35	7000	430	2300		49.04	14.00	1.94	
1	13-Dec	Drilling	22:00	22:35	0.58	6585	6630	45	10	77.1	35	7000	430	2300		49.18	13.00	0.55	
1	13-Dec	Drilling	22:45	23:20	0.58	6630	6674	44	10	75.4	35	7000	430	2300		49.12	13.00	1.82	
1	13-Dec	Drilling	23:30	24:00	0.50	6674	6719	45	10	90.0	35	7000	430	2300		49.20	12.00	0.84	
1	14-Dec	Drilling	00:10	00:45	0.58	6719	6761	42	10	72.0	35	7000	430	2300		49.18	11.00	1.06	
1	14-Dec	Drilling	00:55	01:30	0.58	6761	6806	45	10	77.1	35	7000	430	2300		49.72	12.00	9.22	
1	14-Dec	Sliding	01:40	02:45	1.08	6806	6830	24	10	22.2	35	7000	430	2300	40L	51.11	14.00	9.22	
1	14-Dec	Drilling	02:45	03:00	0.25	6830	6850	20	10	80.0	35	7000	430	2300		52.44	7.00	10.33	
1	14-Dec	Sliding	03:10	03:55	0.75	6850	6874	24	10	32.0	35	7000	430	2300	40L	54.24	10.00	10.33	

Environmental Protection
 Department of
 State
 5/22/16

Slide Report for all BHA's in Job: NE140039H

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	14-Dec	Drilling	03:55	04:15	0.33	6874	6895	21	10	63.0	35	7000	430	2300		55.57	3.00	5.92	
1	14-Dec	Sliding	04:25	05:00	0.58	6895	6910	15	10	25.7	35	7000	430	2300	30L	56.36	3.00	5.92	
1	14-Dec	Drilling	05:00	05:20	0.33	6910	6939	29	10	87.0	35	7000	430	2300		57.82	2.00	6.14	
1	14-Dec	Sliding	05:45	06:15	0.50	6939	6951	12	10	24.0	35	7000	430	2300	30L	58.39	2.00	6.14	
1	14-Dec	Drilling	06:15	06:35	0.33	6951	6981	30	10	90.0	35	7000	430	2300		59.79	0.00	5.52	
1	14-Dec	Sliding	06:50	07:55	1.08	6981	6997	16	10	14.8	35	7000	430	2300	30L	60.50	0.00	5.52	
1	14-Dec	Drilling	07:55	08:20	0.42	6997	7025	28	10	67.2	35	7000	430	2300		62.08	359.00	11.94	
1	14-Dec	Sliding	09:05	09:50	0.75	7025	7057	32	10	42.7	35	7000	430	2300	30L	64.64	2.00	11.94	
1	14-Dec	Drilling	09:50	10:05	0.25	7057	7070	13	10	52.0	35	7000	430	2300		65.87	354.00	10.71	
1	14-Dec	Sliding	10:20	10:55	0.58	7070	7100	30	10	51.4	35	7000	430	2300	30L	68.81	355.00	10.71	
1	14-Dec	Drilling	10:55	11:05	0.17	7100	7114	14	10	84.0	35	7000	430	2300		70.49	352.00	13.89	
1	14-Dec	Sliding	11:20	12:15	0.92	7114	7158	44	10	48.0	35	7000	430	2300	30L	76.11	349.00	13.46	
1	14-Dec	Sliding	12:30	13:00	0.50	7158	7203	45	10	90.0	35	7000	430	2300	360	82.22	347.00	15.47	
1	14-Dec	Sliding	13:15	13:35	0.33	7203	7238	35	10	105.0	35	7000	430	2300	360	87.52	348.00	11.81	
1	14-Dec	Drilling	13:35	13:50	0.25	7238	7253	15	10	60.0	35	7000	430	2300		89.25	348.00	11.81	
1	14-Dec	Sliding	15:30	15:50	0.33	7253	7278	25	10	75.0	35	7000	430	2300	360	92.14	349.00	11.81	
1	14-Dec	Drilling	15:50	16:05	0.25	7278	7292	14	10	56.0	35	7000	430	2300		92.71	349.00	2.14	
1	14-Dec	Drilling	16:15	16:35	0.33	7292	7337	45	10	135.0	35	7000	430	2300		92.76	350.00	3.96	
1	14-Dec	Sliding	16:45	16:55	0.17	7337	7345	8	10	48.0	35	7000	430	2300	150L	92.51	350.00	3.96	
1	14-Dec	Drilling	16:55	17:10	0.25	7345	7381	36	10	144.0	35	7000	430	2300		91.30	349.00	4.05	
1	14-Dec	Sliding	17:20	17:30	0.17	7381	7386	5	10	30.0	35	7000	430	2300	150L	91.09	349.00	4.05	
1	14-Dec	Drilling	17:30	17:45	0.25	7386	7426	40	10	160.0	35	7000	430	2300		89.94	349.00	0.80	
1	14-Dec	Drilling	17:55	18:15	0.33	7426	7468	42	10	126.0	35	7000	430	2300		89.80	349.00	0.71	
1	14-Dec	Drilling	18:25	18:45	0.33	7468	7513	45	10	135.0	35	7000	430	2300		89.77	348.00	0.50	
1	14-Dec	Drilling	18:55	19:10	0.25	7513	7555	42	10	168.0	35	7000	430	2300		89.56	348.00	2.65	
1	14-Dec	Drilling	19:20	19:25	0.08	7555	7562	7	10	84.0	35	7000	430	2300		89.47	349.00	2.65	
1	14-Dec	Sliding	19:25	19:35	0.17	7562	7565	3	10	18.0	35	7000	430	2300	180	89.43	349.00	2.65	
1	14-Dec	Drilling	19:35	19:45	0.17	7565	7600	35	10	210.0	35	7000	430	2300		89.10	347.00	0.44	
1	14-Dec	Drilling	19:55	20:10	0.25	7600	7644	44	10	176.0	35	7000	430	2300		89.15	347.00	1.22	
1	14-Dec	Drilling	20:20	20:35	0.25	7644	7689	45	10	180.0	35	7000	430	2300		89.35	348.00	1.65	
1	14-Dec	Drilling	20:45	21:00	0.25	7689	7733	44	10	176.0	35	7000	430	2300		89.21	347.00	2.67	
1	14-Dec	Drilling	21:05	21:10	0.08	7733	7740	7	10	84.0	35	7000	430	2300		89.02	347.00	2.67	
1	14-Dec	Sliding	21:10	21:20	0.17	7740	7744	4	10	24.0	35	7000	430	2300	180	88.91	347.00	2.67	
1	14-Dec	Drilling	21:20	21:35	0.25	7744	7777	33	10	132.0	35	7000	430	2300		88.32	347.00	0.72	
1	14-Dec	Drilling	21:45	22:00	0.25	7777	7822	45	10	180.0	35	7000	430	2300		88.52	347.00	1.57	

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1	14-Dec	Drilling	22:05	22:35	0.50	7822	7866	44	10	88.0	35	7000	430	2300		89.01	347.00	2.68	
1	14-Dec	Drilling	22:40	23:15	0.58	7866	7911	45	10	77.1	35	7000	430	2300		89.49	348.00	3.53	
1	14-Dec	Drilling	23:20	24:00	0.67	7911	7956	45	10	67.5	35	7000	430	2300		89.83	350.00	1.61	
1	15-Dec	Drilling	00:05	00:30	0.42	7956	8000	44	10	105.6	35	7000	430	2300		89.95	350.00	0.44	
1	15-Dec	Drilling	00:40	01:05	0.42	8000	8044	44	10	105.6	35	7000	430	2300		90.17	350.00	0.68	
1	15-Dec	Drilling	01:10	01:30	0.33	8044	8089	45	10	135.0	35	7000	430	2300		90.47	351.00	3.84	
1	15-Dec	Drilling	01:35	01:40	0.08	8089	8095	6	10	72.0	35	7000	430	2300		90.51	351.00	3.84	
1	15-Dec	Sliding	01:40	02:05	0.42	8095	8105	10	10	24.0	35	7000	430	2300	90L	90.58	351.00	3.84	
1	15-Dec	Drilling	02:05	02:20	0.25	8105	8133	28	10	112.0	35	7000	430	2300		90.77	349.00	0.82	
1	15-Dec	Drilling	02:30	02:50	0.33	8133	8178	45	10	135.0	35	7000	430	2300		91.18	349.00	1.83	
1	15-Dec	Drilling	02:55	03:20	0.42	8178	8222	44	10	105.6	35	7000	430	2300		91.18	349.00	4.96	
1	15-Dec	Drilling	03:25	03:30	0.08	8222	8228	6	10	72.0	35	7000	430	2300		90.89	349.00	4.96	
1	15-Dec	Sliding	03:30	03:45	0.25	8228	8236	8	10	32.0	35	7000	430	2300	180	90.51	349.00	4.96	
1	15-Dec	Drilling	03:45	04:00	0.25	8236	8266	30	10	120.0	35	7000	430	2300		89.62	348.00	1.13	
1	15-Dec	Drilling	04:05	04:25	0.33	8266	8310	44	10	132.0	35	7000	430	2300		89.72	347.00	0.75	
1	15-Dec	Drilling	04:30	04:55	0.42	8310	8355	45	10	108.0	35	7000	430	2300		89.86	348.00	0.64	
1	15-Dec	Drilling	05:00	05:15	0.25	8355	8397	42	10	168.0	35	7000	430	2300		90.00	348.00	0.23	
1	15-Dec	Drilling	05:55	06:15	0.33	8397	8441	44	10	132.0	35	7000	430	2300		90.00	348.00	0.44	
1	15-Dec	Drilling	06:25	06:55	0.50	8441	8485	44	10	88.0	35	7000	430	2300		90.02	348.00	2.28	
1	15-Dec	Drilling	07:05	07:40	0.58	8485	8530	45	10	77.1	35	7000	430	2300		89.95	349.00	2.22	
1	15-Dec	Drilling	07:50	08:20	0.50	8530	8564	34	10	68.0	35	7000	430	2300		89.50	350.00	2.22	
1	15-Dec	Sliding	08:20	08:30	0.17	8564	8568	4	10	24.0	35	7000	430	2300	150L	89.43	348.00	2.27	
1	15-Dec	Drilling	08:30	08:40	0.17	8568	8574	6	10	36.0	35	7000	430	2300		89.32	348.00	2.27	
1	15-Dec	Drilling	08:50	09:20	0.50	8574	8619	45	10	90.0	35	7000	430	2300		88.73	348.00	1.68	
1	15-Dec	Drilling	09:30	09:45	0.25	8619	8663	44	10	176.0	35	7000	430	2300		89.15	347.00	2.74	
1	15-Dec	Drilling	09:55	10:05	0.17	8663	8676	13	10	78.0	35	7000	430	2300		89.51	347.00	2.74	
1	15-Dec	Sliding	10:05	10:15	0.17	8676	8681	5	10	30.0	35	7000	430	2300	40L	89.65	347.00	2.74	
1	15-Dec	Drilling	10:15	10:30	0.25	8681	8705	24	10	96.0	35	7000	430	2300		90.05	347.00	0.45	
1	15-Dec	Drilling	10:40	11:00	0.33	8705	8749	44	10	132.0	35	7000	430	2300		90.22	347.00	1.79	
1	15-Dec	Drilling	11:05	11:30	0.42	8749	8793	44	10	105.6	35	7000	430	2300		90.21	346.00	1.46	
1	15-Dec	Drilling	11:35	12:05	0.50	8793	8838	45	10	90.0	35	7000	430	2300		89.85	345.00	0.45	
1	15-Dec	Drilling	12:10	12:40	0.50	8838	8882	44	10	88.0	35	7000	430	2300		89.68	345.00	0.92	
1	15-Dec	Drilling	12:50	13:15	0.42	8882	8932	50	10	120.0	35	7000	430	2300		89.64	345.00	1.38	
1	15-Dec	Drilling	13:40	14:15	0.58	8932	8971	39	10	66.9	35	7000	430	2300		90.05	345.00	3.38	
1	15-Dec	Drilling	14:30	14:45	0.25	8971	8991	20	10	80.0	35	7000	430	2300		90.69	345.00	3.38	

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 2016

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#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	15-Dec	Sliding	14:45	15:00	0.25	8991	8997	6	10	24.0	35	7000	430	2300	30R	90.88	345.00	3.38	
1	15-Dec	Drilling	15:00	15:20	0.33	8997	9015	18	10	54.0	35	7000	430	2300		91.27	345.00	2.20	
1	15-Dec	Drilling	16:15	16:40	0.42	9015	9059	44	10	105.6	35	7000	430	2300		91.87	346.00	1.52	
1	15-Dec	Drilling	16:50	17:10	0.33	9059	9104	45	10	135.0	35	7000	430	2300		91.58	345.00	4.79	
1	15-Dec	Drilling	17:20	17:25	0.08	9104	9108	4	10	48.0	35	7000	430	2300		91.38	345.00	4.79	
1	15-Dec	Sliding	17:25	17:40	0.25	9108	9116	8	10	32.0	35	7000	430	2300	180	91.00	345.00	4.79	
1	15-Dec	Drilling	17:40	18:00	0.33	9116	9148	32	10	96.0	35	7000	430	2300		90.10	345.00	0.99	
1	15-Dec	Drilling	18:05	18:25	0.33	9148	9192	44	10	132.0	35	7000	430	2300		90.45	345.00	0.64	
1	15-Dec	Drilling	18:35	18:55	0.33	9192	9237	45	10	135.0	35	7000	430	2300		90.28	345.00	3.73	
1	15-Dec	Drilling	19:00	19:05	0.08	9237	9246	9	10	108.0	35	7000	430	2300		90.01	345.00	3.73	
1	15-Dec	Sliding	19:05	19:30	0.42	9246	9250	4	10	9.6	35	7000	430	2300	180	89.89	345.00	3.73	
1	15-Dec	Drilling	19:30	19:50	0.33	9250	9281	31	10	93.0	35	7000	430	2300		89.32	343.00	0.70	
1	15-Dec	Drilling	19:55	20:15	0.33	9281	9325	44	10	132.0	35	7000	430	2300		89.44	343.00	1.62	
1	15-Dec	Drilling	20:20	20:40	0.33	9325	9370	45	10	135.0	35	7000	430	2300		89.67	342.00	0.68	
1	15-Dec	Drilling	20:45	21:10	0.42	9370	9415	45	10	108.0	35	7000	430	2300		89.69	343.00	2.53	
1	15-Dec	Drilling	21:15	21:20	0.08	9415	9422	7	10	84.0	35	7000	430	2300		89.56	343.00	2.53	
1	15-Dec	Sliding	21:20	21:45	0.42	9422	9432	10	10	24.0	35	7000	430	2300	90R	89.37	343.00	2.53	
1	15-Dec	Drilling	21:45	22:00	0.25	9432	9459	27	10	108.0	35	7000	430	2300		89.16	343.00	0.45	
1	15-Dec	Drilling	22:05	22:20	0.25	9459	9501	42	10	168.0	35	7000	430	2300		89.01	344.00	7.18	
1	15-Dec	Drilling	22:25	22:30	0.08	9501	9509	8	10	96.0	35	7000	430	2300		88.79	344.00	7.18	
1	15-Dec	Sliding	22:30	23:15	0.75	9509	9524	15	10	20.0	35	7000	430	2300	90R	88.39	345.00	7.18	
1	15-Dec	Drilling	23:15	23:25	0.17	9524	9545	21	10	126.0	35	7000	430	2300		88.10	346.00	0.68	
1	15-Dec	Drilling	23:35	23:55	0.33	9545	9590	45	10	135.0	35	7000	430	2300		88.10	346.00	0.68	
1	16-Dec	Drilling	00:00	00:35	0.58	9590	9634	44	10	75.4	35	7000	430	2300		88.37	346.00	2.78	
1	16-Dec	Drilling	00:40	00:45	0.08	9634	9637	3	10	36.0	35	7000	430	2300		88.44	346.00	2.78	
1	16-Dec	Sliding	00:45	01:25	0.67	9637	9643	6	10	9.0	35	7000	430	2300		88.59	346.00	2.78	
1	16-Dec	Drilling	01:25	01:50	0.42	9643	9678	35	10	84.0	35	7000	430	2300		89.22	347.00	0.32	
1	16-Dec	Drilling	01:55	02:15	0.33	9678	9723	45	10	135.0	35	7000	430	2300		89.28	347.00	0.70	
1	16-Dec	Drilling	02:20	02:50	0.50	9723	9767	44	10	88.0	35	7000	430	2300		89.29	347.00	1.46	
1	16-Dec	Drilling	02:55	03:20	0.42	9767	9812	45	10	108.0	35	7000	430	2300		89.88	346.00	4.05	
1	16-Dec	Drilling	03:25	03:30	0.08	9812	9819	7	10	84.0	35	7000	430	2300		90.05	347.00	4.05	
1	16-Dec	Sliding	03:30	03:45	0.25	9819	9823	4	10	16.0	35	7000	430	2300		90.15	347.00	4.05	
1	16-Dec	Drilling	03:45	04:05	0.33	9823	9856	33	10	99.0	35	7000	430	2300		90.83	345.00	1.46	
1	16-Dec	Drilling	04:15	04:40	0.42	9856	9900	44	10	105.6	35	7000	430	2300		91.22	345.00	2.23	
1	16-Dec	Drilling	04:45	05:10	0.42	9900	9944	44	10	105.6	35	7000	430	2300		91.39	344.00	2.24	

Slide Report for all BHA's in Job: NE140039H

Note: Surveys listed are interpolated from the actual surveys

#	Date	Drill Mode	Start Time	End Time	Hours	Start MD	End MD	Depth Drilled	WOB	ROP	RPM	Surf. Torque	Flow Rate	SPP	TFO	INC	AZM	DLS	Note
1	16-Dec	Drilling	05:35	06:00	0.42	9944	9989	45	10	108.0	35	7000	430	2300		91.60	343.00	3.66	
1	16-Dec	Drilling	06:10	06:20	0.17	9989	10007	18	10	108.0	35	7000	430	2300		91.44	344.00	3.66	
1	16-Dec	Sliding	06:20	06:35	0.25	10007	10015	8	10	32.0	35	7000	430	2300	110R	91.37	344.00	3.66	
1	16-Dec	Drilling	06:35	06:45	0.17	10015	10033	18	10	108.0	35	7000	430	2300		91.35	345.00	0.82	
1	16-Dec	Drilling	06:55	07:15	0.33	10033	10078	45	10	135.0	35	7000	430	2300		91.45	345.00	3.66	
1	16-Dec	Drilling	07:25	07:35	0.17	10078	10085	7	10	42.0	35	7000	430	2300		91.42	346.00	3.66	
1	16-Dec	Sliding	07:35	07:50	0.25	10085	10097	12	10	48.0	35	7000	430	2300	110R	91.36	346.00	3.66	
1	16-Dec	Drilling	07:50	08:05	0.25	10097	10122	25	10	100.0	35	7000	430	2300		91.30	347.00	0.22	
1	16-Dec	Drilling	08:15	08:35	0.33	10122	10166	44	10	132.0	35	7000	430	2300		90.96	347.00	3.86	
1	16-Dec	Drilling	08:45	08:55	0.17	10166	10175	9	10	54.0	35	7000	430	2300		90.65	347.00	3.86	
1	16-Dec	Sliding	08:55	09:05	0.17	10175	10181	6	10	36.0	35	7000	430	2300	180	90.45	347.00	3.86	
1	16-Dec	Drilling	09:05	09:20	0.25	10181	10211	30	10	120.0	35	7000	430	2300		89.85	348.00	0.63	
1	16-Dec	Drilling	09:30	09:45	0.25	10211	10255	44	10	176.0	35	7000	430	2300		90.07	348.00	1.14	
1	16-Dec	Drilling	09:55	10:10	0.25	10255	10300	45	10	180.0	35	7000	430	2300		90.30	347.00	0.67	
1	16-Dec	Drilling	10:20	10:35	0.25	10300	10344	44	10	176.0	35	7000	430	2300		90.00	348.00	2.99	
1	16-Dec	Drilling	10:45	10:50	0.08	10344	10357	13	10	156.0	35	7000	430	2300		89.62	348.00	2.99	
1	16-Dec	Sliding	10:50	11:00	0.17	10357	10361	4	10	24.0	35	7000	430	2300	180	89.50	348.00	2.99	
1	16-Dec	Drilling	11:00	11:20	0.33	10361	10389	28	10	84.0	35	7000	430	2300		89.00	347.00	0.44	
1	16-Dec	Drilling	11:25	11:45	0.33	10389	10433	44	10	132.0	35	7000	430	2300		89.02	348.00	0.98	
1	16-Dec	Drilling	11:55	12:15	0.33	10433	10478	45	10	135.0	35	7000	430	2300		89.10	347.00	1.14	
1	16-Dec	Drilling	12:25	12:40	0.25	10478	10520	42	10	168.0	35	7000	430	2300		89.10	347.00	0.68	
1	16-Dec	Drilling	12:50	13:05	0.25	10520	10564	44	10	176.0	35	7000	430	2300		89.07	346.00	0.53	
1	16-Dec	Drilling	13:15	13:35	0.33	10564	10608	44	10	132.0	35	7000	430	2300		89.12	346.00	0.99	
1	16-Dec	Drilling	13:45	14:00	0.25	10608	10650	42	10	168.0	35	7000	430	2300		89.78	346.00	4.49	
1	16-Dec	Drilling	14:10	14:15	0.08	10650	10655	5	10	60.0	35	7000	430	2300		89.97	346.00	4.49	
1	16-Dec	Sliding	14:15	14:30	0.25	10655	10663	8	10	32.0	35	7000	430	2300	40R	90.28	347.00	4.49	
1	16-Dec	Drilling	14:30	14:50	0.33	10663	10695	32	10	96.0	35	7000	430	2300		91.09	347.00	0.94	
1	16-Dec	Drilling	15:00	15:15	0.25	10695	10738	43	10	172.0	35	7000	430	2300		91.30	347.00	1.19	
1	16-Dec	Drilling	16:10	16:30	0.33	10738	10782	44	10	132.0	35	7000	430	2300		90.95	346.00	2.95	
1	16-Dec	Drilling	16:40	16:45	0.08	10782	10788	6	10	72.0	35	7000	430	2300		90.78	346.00	2.95	
1	16-Dec	Sliding	16:45	17:00	0.25	10788	10793	5	10	20.0	35	7000	430	2300	180	90.65	346.00	2.95	
1	16-Dec	Drilling	17:00	17:20	0.33	10793	10824	31	10	93.0	35	7000	430	2300		90.08	347.00	0.31	
1	16-Dec	Drilling	17:30	17:50	0.33	10824	10868	44	10	132.0	35	7000	430	2300		90.02	347.00	0.53	
1	16-Dec	Drilling	18:00	18:15	0.25	10868	10913	45	10	180.0	35	7000	430	2300		90.07	347.00	0.53	
1	16-Dec	Drilling	18:20	18:45	0.42	10913	10955	42	10	100.8	35	7000	430	2300		89.94	346.00	0.51	