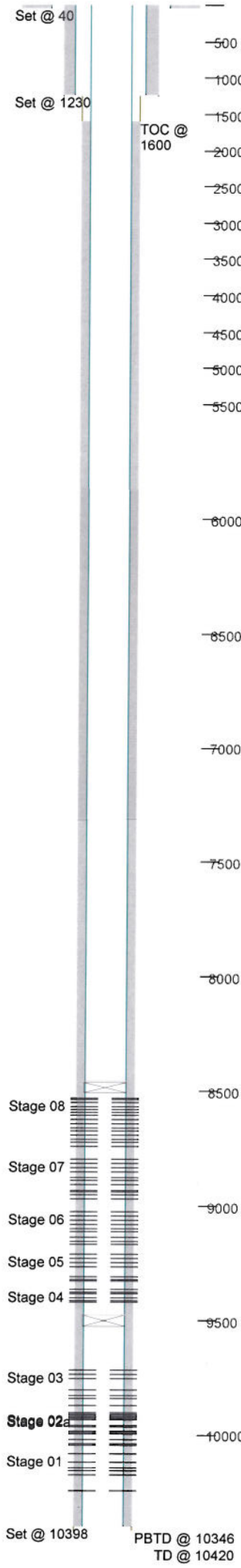
Downhole Schematic for Orchard Unit 16-16 (P16OU)

ENCANA

Project : South Piceance | API # : 05077089250000 | Surface Location : SESE Sec 16 T8S - R96W 6th PM

Area : Orchard | County : MESA | BHL : SESE-16-8S-96 W 6th PM

As Of : 05/03/2010 | GL : 6003.7 ft | KB to GL : 19.0 ft | KB : 6022.7 ft



Casing Details

Section	Hole	Casing	Mass	Set At	Length	Thread	Grade	Description
Conductor	24.000	16	42	40	40			CONCUCTER
Surface	12.750	9.625	36	1,230	2	ST&C	J55	SHOE
		9.625	36	1,229	43	ST&C	J55	JT CASING
		9.625	36	1,185	2	LT&C	J55	FLOAT
		9.625	36	1,184	1,160	ST&C	J55	JTS CASING
		9.625	36	23	3	LT&C	J55	PUP JOINT
		16	0	21	0			LAND RING
		16	0	20	2			SPLIT SUPPORT RING
		16	0	19	24			CASING HEAD LANDING JT.
Production	7.875	5.5	17	10,398	2	LT&C	K55	SHOE
		5.5	17	10,397	45	LT&C	I-80	JT CASING
		5.5	17	10,352	2	LT&C	K-55	FLOAT
		5.5	17	10,350	5,764	LT&C	I-80	JTS CASING
		5.5	17	4,587	28	LT&C	I-80	MARKER
		5.5	17	4,558	980	LT&C	I-80	JTS CASING
		5.5	17	3,578	30	LT&C	I-80	MARKER
		5.5	17	3,549	3,554	LT&C	I-80	JTS CASING

Cement Details

Section	Sequence	Top	Density	Blend / Additives
Conductor	Scavenger	0	0.0	4 Yards Redi-Mix /
Surface	Tail	0	15.8	G-BLEND / G+2%S1+.2%DO46+.25#/SKDO29
Production	Lead	1,600	10.5	10.5 lite CRETE / 10.5LITE CRETE+.3%D46+.8%D65+.25#D29+.6%D13
	Tail	9,700	13.5	13.5GMS / DO49+.5%D167+.5%D167+.5%D65+.25#D20+35%D66+.2%D13

Perforations

Stage 01

Date	From	To	Shots
07/18/2007	10,244	10,250	12
	10,178	10,182	8
	10,160	10,164	8
	10,146	10,150	8
	10,118	10,122	8
	10,084	10,088	8

Stage 02

Date	From	To	Shots
07/18/2007	10,046	10,050	8
	10,024	10,028	8
	9,998	10,002	8
	9,986	9,990	8
	9,966	9,970	8
	9,930	9,934	8
	9,916	9,920	8
	9,906	9,910	8

Stage 02a

Date	From	To	Shots
07/19/2007	10,042	10,046	8
	10,020	10,024	8
	9,999	10,003	8
	9,990	9,994	8
	9,960	9,964	8
	9,934	9,938	8
	9,920	9,924	8
	9,910	9,914	8

Stage 03

Date	From	To	Shots
07/20/2007	9,870	9,871	4
	9,844	9,845	4
	9,832	9,833	4
	9,806	9,807	4
	9,757	9,758	4
	9,734	9,735	4
	9,721	9,722	4

Stage 04

Date	From	To	Shots
07/20/2007	9,424	9,425	4
	9,413	9,414	4
	9,404	9,405	4
	9,384	9,385	4
	9,375	9,376	4
	9,368	9,369	4

Stage 05

Date	From	To	Shots
07/20/2007	9,327	9,328	4
	9,320	9,321	4
	9,311	9,312	4
	9,268	9,269	4
	9,250	9,251	4
	9,230	9,231	4
	9,211	9,212	4

Stage 06

Date	From	To	Shots
07/20/2007	9,165	9,166	3
	9,154	9,155	3
	9,134	9,135	3
	9,115	9,116	3
	9,102	9,103	3
	9,083	9,084	3
	9,060	9,061	3
	9,043	9,044	3
	9,025	9,026	3

Stage 07

Date	From	To	Shots
07/20/2007	8,968	8,969	3
	8,953	8,954	3
	8,942	8,943	3
	8,930	8,931	3
	8,911	8,912	3
	8,891	8,892	3
	8,876	8,877	3
	8,853	8,854	3
	8,833	8,834	3
	8,813	8,814	3
	8,798	8,799	3

Stage 08

Date	From	To	Shots
07/20/2007	8,741	8,742	3
	8,724	8,725	3
	8,707	8,708	3
	8,694	8,695	3
	8,674	8,675	3
	8,660	8,661	3
	8,641	8,642	3
	8,623	8,624	3
	8,608	8,609	3
	8,592	8,593	3
	8,580	8,581	3
	8,565	8,566	3
	8,552	8,553	3
	8,539	8,540	3
	8.528	8.529	3

Frac Summary

Stage 01 : 10,084 - 10,250, 52 - 0.340" shots, 3504 bbls of Lightning, 78988 lbs of 30-50 Sand Report Date: 07/18/2007

Stage 02 : 9,906 - 10,050, 64 - 0.340" shots, 2718 bbls of Lightning D 3000, 16258 lbs of 30-50 Sand Report Date: 07/18/2007

Stage 02a : 9,910 - 10,046, 64 - 0.340" shots, 4779 bbls of Lightning D 35/30, 130500 lbs of 30-50 Sand Report Date: 07/19/2007

Stage 03 : 9,721 - 9,871, 28 - 0.340" shots, 8146 bbls of Slickwater, 160165 lbs of 30-50 Sand Report Date: 07/20/2007

Stage 04 : 9,368 - 9,425, 24 - 0.340" shots, 4962 bbls of Slickwater, 100803 lbs of 30-50 Sand Report Date: 07/20/2007

Stage 05 : 9,211 - 9,328, 28 - 0.340" shots, 745 bbls of Slickwater, 500 lbs of 30-50 Sand Report Date: 07/21/2007

Stage 06 : 9,025 - 9,166, 27 - 0.340" shots, 7581 bbls of Slickwater, 154107 lbs of 30-50 Sand Report Date: 07/21/2007

Stage 07 : 8,798 - 8,969, 33 - 0.340" shots, 10254 bbls of Slickwater, 193650 lbs of 30-50 Sand Report Date: 07/21/2007

Stage 08 : 8,528 - 8,742, 45 - 0.340" shots, 5357 bbls of Slickwater, 90753 lbs of 30-50 Sand Report Date: 07/22/2007