CENTRAL PETROLEUM

BIT RECORD

Well : **Palm Valley 13** Basin / Area : **Amadeus Basin** Permit : **OL3** Field : **Palm Valley**

Location : Latitude : **23° 59' 35.28" N** G.L. **845.00** metres Spud Date: **21-Aug-18**

Longitude : **132° 43' 33.42" E** Well Site Supervisor: **Andy Phillis / Dave York** R.T. **5.85** metres T.D. Date: **13-Oct-18**

Contractor : **ENSIGN** Rig #: **932** Proposed TD: **3476** metres Rig Released Date: **18-Oct-18**

PUMPS				Hole Section/ Size		Dev	Interval	Mud Type	Wt
No.	Type	Stroke (in)	Liner (in)	Output (gps)					
1	NAT 8-P-80	9.00	6.00	3.21	1	24	0.00°	0m to 23.5m	Gel Spud Mud	8.45
2	NAT 8-P-80	9.00	6.00	3.21	2	12 1/4	0.25°	23.5m to 249m	KCl Gel Polymer	0.00
3	IDECO T-800	8.50	6.00	3.03	3	8 1/2	0.75°	249m to 1119m	KCl Gel Polymer	9.30
					4		36.15°	1119m to 1845m	KCl Gel Polymer	0.00
					5		82.00°	1845m to 2242m	KCl Gel Polymer	9.10

List No.	Bit No.	Size (in)	Make	Type	IADC Code	Serial No.	# of nozzles Size- 32nds	Mtr/MWD Press Loss	Jars Motor	Depth Out	Metres	Hours OnBtm	ROP (m/hr)	Accum Hours	Bit Grading (IADC) I	O	D	L	B	G	O	R	WOB- (klb) Mn	Mx	RPM Mn	Mx	Press (psi)	Pump (gpm)
2	1	24.0	Stealth	STC42X	425X	HT9011	3 1 / 18 20	540	1	23.5	16	2 / 2	7.8 / 7.8	2 / 2	1	1	WT	A	E	0	No	TD	3	9	30	60	680	600
3	2	17.5	Smith	GS18	445X	RH7933	3 1 / 20 18	830	1	249	226	41.75 / 33.5	5.4 / 6.7	43.75 / 35.5	2	2	WT	A	E	0	NO	DMF	12	38	120	130	2000	950
4	3	12.25	Reed	TK66		E232507	3 3 / 16 18	1000	1 / 2	518	269	25.75 / 21.2	10.4 / 12.7	69.5 / 56.7	2	2	WT	A	X	0	CT	DMF	12	35	120	130	2100	900
5	4	12.25	Smith	GFi288 ODVPS		RJ4049	3 1 / 22 15		1	701	183	44 / 39.9	4.2 / 4.6	113.5 / 96.6	6	8	BT	G	E	2	WT	HR	25	35	95	110	1260	750
6	5	12.25	Smith	MDSIZ616		QF2482	6 / 18		1	703	2	4.5 / 3.3	0.4 / 0.6	118 / 99.9	8	8	BF	A	X	0	BT	PR	5	40	60	110	1300	730
7	RR6	12.25	Reed	R50PDH2	637	AT3343	3 / 42		1	738	35	13.25 / 11.75	2.6 / 3.0	131.25 / 111.65	1	1	FC	A	E	2	FC	HP	25	40	60	120	1150	730
8	7	12.25	Stealth	YCJXCN	437	2017	3 / 20		1	758	20	6.5 / 5.8	3.1 / 3.4	137.75 / 117.45	1	2	BT	M	E	0	NO	TW	15	35	90	120	1620	715
9	8	12.25	HTC	KMX524T		5281617	5 1 / 16 18		1	1034	276	46.5 / 42.6	5.9 / 6.5	184.25 / 160.05	2	7	BT	G	E	0	BT	TQ	38	45	85	95	1720	720
10	9	12.25	Ulterra	7 Blade PDC		40322	7 / 14		1	1119	85	17.25 / 14.9	4.9 / 5.7	201.5 / 174.95	2	1	CT	N	X	0	NO	TD	17	20	100	110	2100	736
11	10	8.5	Reed	E1350		E250252	7 / 11	550	2 / 3	1423	304	51 / 42.1	6.0 / 7.2	252.5 / 217.05	2	2	WT	N	X	0	CT	PR	7	20	130	175	1850	450
12	11	8.5	Tercel	MR813M		5613	4 / 15	500	2 / 4	1442	19	25 / 23.6	0.8 / 0.8	277.5 / 240.65	6	1	RO	C	X	0	WT	PR	8	27	130	170	1850	450
13	12	8.5	HTC	KM526		5285339	3 2 / 12 14	200	2 / 5	1733	291	77.5 / 63.6	3.8 / 4.6	355 / 304.25	3	3	BT	S	E	2	WT	PR	6	20	80	130	1840	410
14	13	8.5	Ulterra	CF713		39970	7 / 12	100	2 / 6	1845	112	16.75 / 11.5	6.7 / 9.7	371.75 / 315.75	1	1	CT	G	X	0	WT	TD	5	22	90	150	645	2700
15	14	8.5	Smith	GF45Y	627	PX0984	3 / 20			1845	0	0 / 0		371.75 / 315.75	0	0	No	A	E	0	No	TD	0	0	0	0	800	450
16	15	6.125	Smith	XRi30D	537X	RJ1906	3 / 18		2	1848	3	1 / 0.8	3.0 / 3.7	372.75 / 316.55	1	1	BT	G	E	0	No	BHA	10	15	60	100	1600	400
17	16	6.125	Reed	TK63		A250214	6 / 14	100	2 / 7	1965	117	23.5 / 16.1	5.0 / 7.3	396.25 / 332.65	1	1	No	A	X	0	No	DTF	2	12	100	130	650	290
18	17 RR16	6.125	Reed	TK63		A250214	6 / 14		2 / 8	1984	19	5 / 3.1	3.8 / 6.1	401.25 / 335.75	1	1	No	A	X	0	No	DTF	2	12	100	130	650	290
19	18	6.125	Smith	XR40OD	617	RJ3288	3 / 18		2 / 8	2022	38	15.75 / 12.45	2.4 / 3.1	417 / 348.2	2	2	WT	A	F	1	SD	PR	2	20	100	130	1450	280
20	19	6.125	Ulterra	U71M-DEGU		41000	4 / 18		2 / 9	2133	111	52.75 / 44.3	2.1 / 2.5	469.75 / 392.5	2	1	WT	S	X	0	No	BHA	8	15	100	130	1000	275
21	20RR16	6.125	Reed	TK63		A250214	6 / 16		2 / 9	2242	109	41 / 35.1	2.7 / 3.1	510.75 / 427.6	3	3	BT	N	X	0	WT	TD	8	18	100	130	1100	275