

29 Jul 2006

From : Brian Marriott
To : Bob Goosem/ Brian King/James Hinton

Well Data				Town Side QC Done	
Drill Co.:	Ensign	Midnight Depth (MD):	192.0m	Current Hole Size:	17.500in
Rig:	Ensign 32	Midnight Depth (TVD):	191.0m	Casing O.D.:	20.000in
Prognosed TD:	2350.0m	Progress:	92.0m	Shoe TVD:	60.0m
RT-GL:	5.90m	Days From Spud:	0.81	F.I.T. / L.O.T.	/
GL Elev.:	2.71m	Days On Well:	17.75	Rig Move Distance	1800+/- k's
Current Op's @ 0600 30 Jul 2006 :		T.D. @ 320m, Circ. for wiper to shoe			
Planned Operations for 30 Jul 2006 :		Wiper to shoe, POOH, rig & run 13-3/8" casing, cement same,			

Summary of Period 0000 to 2400 Hrs
Drilled cmt. to 65m to 80m, open hole f/ 9-5/8" to 17-1/2" f/ 80m to 100m, drill f/ 100m to 120m, circ., POOH, Rig & run directional BHA with 1-1/2 deg. bend, wash & ream f/ 110m to 120m, no fill, Drill, steer & survey f/120m to 192m

Operations For Period 0000 Hrs to 2400 Hrs on 29 Jul 2006							
Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
SH	P	HBHA	0000	0430	4.50	65.0m	Review JHA, cont. make up BHA, RIH, tag cement @ 65metres
SH	P	DC	0430	0530	1.00	85.0m	Spud Galloway-1 @ 04:30 on 29-July-06. Drill cement f/ 65m to 85m
SH	P	DHO	0530	0600	0.50	100.0m	Open 9-5/8" pilot hole f/ 85m to 100m
SH	P	D	0600	0700	1.00	120.0m	Drill 17-1/2" hole f/ 100m to 120m (615 gpm in sand)
SH	P	CHC	0700	0800	1.00	120.0m	Sweep 20bbls Hi Vis, excessive sand over shakers, sweep additional 20bbls Hi Vis, spot 40bbls Hi Vis on bottom.
SH	P	TO	0800	1130	3.50	120.0m	POOH, break & lay out jewelry
SH	P	TO	1130	1200	0.50	120.0m	Clear rig floor, remove bow shackles & install #4 piece safety shackles in Tesco Top Drive
SH	P	HBHA	1200	2000	8.00	120.0m	Hold toolbox meeting , make up Directional BHA #2 with 1.5 deg. bend.
SH	P	TI	2000	2100	1.00	120.0m	RIH to 110m, shallow pulse test
SH	P	RW	2100	2130	0.50	120.0m	Wash & Ream f/ 110m to 120m, no fill
SH	P	DM	2130	2400	2.50	192.0m	Drill steer & survey f/ 120m to 192m (survey @ 190.2 = 4.72 inc, 115.2 AZI)

Operations For Period 0000 Hrs to 0600 Hrs on 30 Jul 2006							
Phse	Cls	Op	From	To	Hrs	Depth	Activity Description
SH		DM	0000	0500	5.00	320.0m	Drill f/ 192m to 320m. (TVD = 314.7m) (survey @ 303.7m, 23.67 inc, 118.68 AZI)
SH		CHC	0500	0600	1.00	320.0m	Sweep 10bbls Hi Vis, circ. hole clean for wiper to shoe, spot 10 bbls Hi Vis

WBM Data		Cost Today \$ 1162				Cumulative Cost \$ 3688			
Mud Type:	Spud Mud	Viscosity:	48sec/qt	API FL Loss:	10.0cc	CI	5000	Solids:	3
Depth:	145.0m	PV:	12cp	Filter Cake:	2/32nd"	K+:		H2O:	96%
Time:	22:30	YP:	18lb/100ft ²	HTHP FL:		Hard/Ca:	80	Oil:	
Weight:	9.20ppg	Gels 10s/10m:	17 / 20	HTHP Cake:		MBT:	25	Sand:	2.5
Temp:	52.0F°	Fann (3/6/100):				PM:	1.3	pH:	10
			15 / 18 / 20			PF:	0.3	PHPA:	
Comment		Maintained viscosity with prehydrated gel while drilling loose sands. Added Pac-L for additional filtration control. Hole condition good on trip.							

Shakers, Volumes and Losses Data			Engineer: Manfred Olejniczak / J.V.Babu				
Equipment	Description	Mesh Size	Available	1023.0bbl	Losses	110.0bbl	Comment
Centrifuge	DE 1000		Active	414.0bbl	Downhole		
Centrifuge	DE 1000		Mixing	384.0bbl	Surf. + Equip.	110.0bbl	
Shaker 1	Derrick	Pyramid x 80	Hole	225.0bbl	Dumped		
Shaker 1	Derrick	Pyramid x 84	Slug		De-Sander		
Shaker 2	Derrick		Reserve	0.0bbl	De-Silter		
Shaker 2	Derrick	Pyramid x 84	Kill		Centrifuge		

Bit # 1			Wear	I	O1	D	L	B	G	O2	R
			0		0	NO	A	0	I	RR	BHA
Size:	17.500in	IADC#: 115 M	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	REED	WOB (avg): 10.0klb	No.	Size	Progress: 20.0m			Cum. Progress: 20.0m			
Type:	mt	RPM (avg): 85	1	16/32nd"	On Bottom Time: 0.45h			Cum. On Btm Time: 0.45h			
Serial #:	J50351	F.Rate: 625gpm	3	20/32nd"	IADC Time: 1.00h			Cum. IADC Time: 1.00h			
Depth In:	100.0m	SPP: 600psi			Total Revs:			Cum. Total Revs: 0			
Depth Out:	120.0m	HSI:			ROP (avg): 44.44 m/hr			Overall ROP (avg): 44.44 m/hr			
Bit Model:	T11C	TFA: 1.117									

Bit # RR1			Wear	I	O1	D	L	B	G	O2	R
Size:	17.500in	IADC#: 115M	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	REED	WOB (avg): 10.0klb	No.	Size	Progress: 72.0m			Cum. Progress: 72.0m			
Type:	mt	RPM (avg): 50	1	16/32nd"	On Bottom Time: 0.75h			Cum. On Btm Time: 0.75h			
Serial #:	J50351	F.Rate: 700gpm	3	20/32nd"	IADC Time: 2.50h			Cum. IADC Time: 2.50h			
Depth In:	120.0m	SPP: 1250psi			Total Revs:			Cum. Total Revs: 0			
Depth Out:		HSI:			ROP (avg): 96.00 m/hr			Overall ROP (avg): 96.00 m/hr			
Bit Model:	T11C	TFA: 1.117									

BHA # 1							
Wt. Below Jars Dry:	7.0klb	Length:	120.0m	Torque (max):		DC (1) Ann Vel.:	58fpm
Weight Dry:	11.0klb	String Weight:		Torque On Btm:		DC (2) Ann Vel.:	63fpm
Type:	Pendalum	Pick-Up Weight:		Torque Off Btm:		HWDP Ann. Vel.:	54fpm
		Slack-Off Weight:				DP Ann. Vel.:	0fpm

#	Equipment	Tool Description	Length	O.D.	I.D.	Serial #	Hours
1	Bit	T11C bit, with 3x20 jets & 1x16 centre jet	0.47m	17.50in		J50351	1.00h
2	Stab	17-1/2" stab	2.59m			DA 9011	1.00h
3	Bit Sub	Bit sub	0.92m				1.00h
4	8in DC	3 x 8" dc's	27.61m	8.00in	3.00in		1.00h
5	X/Over	x-o	0.80m		2.75in		1.00h
6	6.5in DC	1x6-1/2" dc	9.05m	6.50in	2.75in		1.00h
7	Drilling Jars	Drilling Jars	9.95m	6.50in	2.75in	1760-2031	1.00h
8	6.5in DC	1x6-1/2"dc	9.42m	6.50in	2.75in		1.00h
9	HWDP	HWDP x 4.5"	59.19m	4.50in	2.88in		1.00h

BHA # 2							
Wt. Below Jars Dry:	29.0klb	Length:	163.4m	Torque (max):		DC (1) Ann Vel.:	65fpm
Weight Dry:	46.0klb	String Weight:		Torque On Btm:		DC (2) Ann Vel.:	71fpm
Type:	Directional	Pick-Up Weight:		Torque Off Btm:		HWDP Ann. Vel.:	60fpm
		Slack-Off Weight:				DP Ann. Vel.:	60fpm

#	Equipment	Tool Description	Length	O.D.	I.D.	Serial #	Hours
1	Bit	T11C,RR1 bit with 3x20 & 1x16 centre jet	0.47m	17.50in	2.00in	J50351	7.50h
2	A675M78XP Mud Motor	9-5/8" Sperry Drill Lobe	9.68m	9.63in	6.14in	9632212	
3	Float Sub	Flt. sub	0.83m	9.43in	2.81in	A253	
4	Stab	IBS	2.59m	9.50in	3.00in	DA9011	
5	X/O	x-o	1.05m	9.50in	2.80in	DA9083	
6	MWD	MWD	2.77m	8.00in	1.92in		
7	MWD	MWD	3.08m	8.06in	1.92in	10562336	
8	8in DC	3x8"dc's	27.61m	8.00in	2.81in		
9	X/O	x-o	0.80m	8.00in	2.81in		
10	6.5in DC	1x6-1/2"dc	9.05m	6.50in	2.81in		
11	Drilling Jars	Jars	9.95m	6.50in	2.75in	17602030	7.50h
12	6.5in DC	1x6-1/2"dc	9.42m	6.50in	2.81in		
13	HWDP	9x4-1/2" HWDP	86.05m	4.50in	2.75in		

Survey											
MD	Incl.	Corr. AZ	TVD	'V' Sect.	Dogleg	N/S	E/W	Departure	Deviation	Tool Type	
(m)	(deg)	(deg)	(m)		(deg/100ft)	(m)	(m)				
190.20	4.72	115.20	190.0	-3.33	2.48	-3.33	7.08	7.83	115.2	MWD	

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Barite	sx	0	0	0	1,200.0	
KCl	sx	0	0	0	800.0	
Salt	sx	0	0	0	0.0	
Gel	sx	0	48	0	288.0	
Potable Water	ltr	0	8000	0	22,000.0	
Rig Fuel	ltr	0	4700	0	37,500.0	
Camp Fuel	ltr	0	350	0	5,250.0	

Pumps										
Pump Data - Last 24 Hrs							Slow Pump Data			
No.	Type	Liner (in)	SPM	Eff. (%)	Flow (gpm)	SPP (psi)	SPM	SPP (psi)	Depth (m)	MW (ppg)
1	National - 8P-80	5.50	110	97	280	1250			192.0	8.85
2	National - 8P-80	5.50								8.85
3	National - 8P-80	5.50								8.85
4	IDECO - T1000	6.00	110	97	330	1250			192.0	8.85

HSE Summary				
Events	Date of Last	Days Since	Description	Remarks
LTI/MTI incident free days	29 Jul 2006	0 Days	Incident free days	Incident free days = 362
ToolBox Talk	29 Jul 2006	0 Days	Discussion on daily rig up	Discuss proposed daily rig up operations. Correct PPE to be worn. Discuss making up BHA. Keep alert. Give clear hand signals to tigger operators. Be aware of Fork Lift operations