

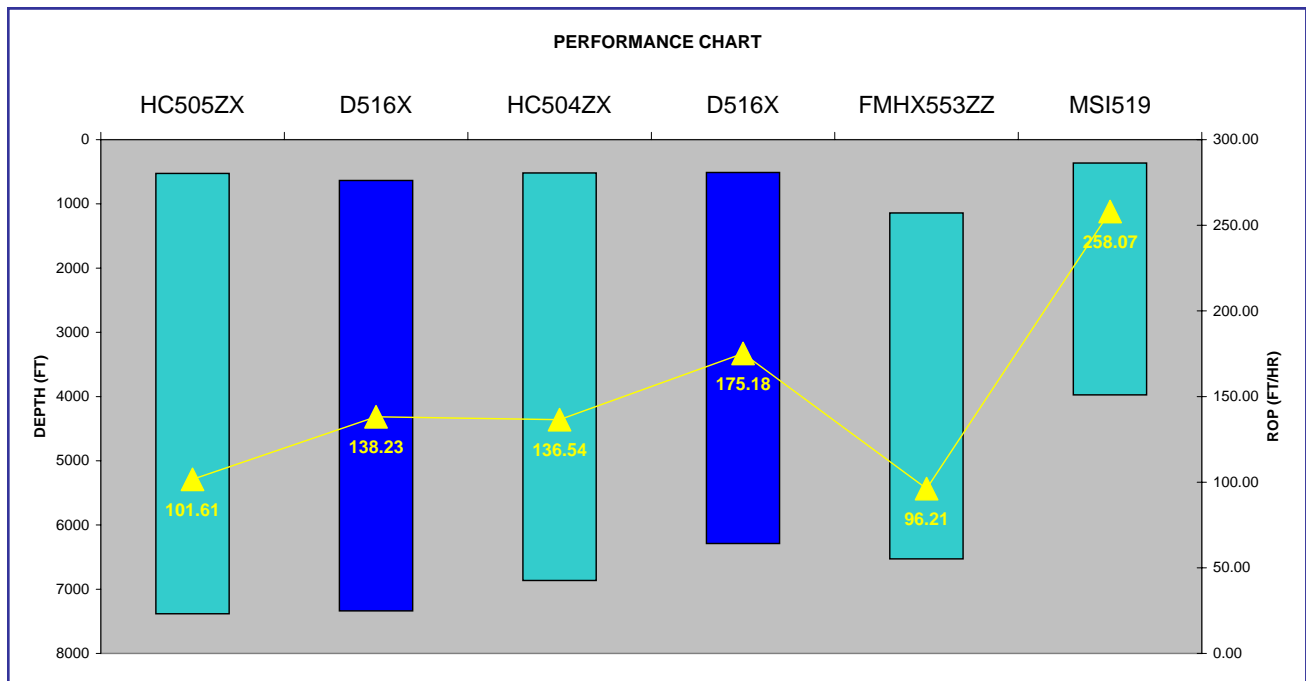


BIT PERFORMANCE

DRILL OUT PERFORMANCE
 8-3/4" D516X
 SAMSON
 HARRISON, COUNTY



MFR	SIZE	TYPE	IN	OUT	FTG	HRS	ROP
HTC	8 3/4	HC505ZX	525	7384	6859	67.5	101.61
DOW	8 3/4	D516X	636	7340	6704	48.5	138.23
HTC	8 3/4	HC504ZX	517	6866	6349	46.5	136.54
DOW	8 3/4	D516X	510	6,291	5781	33	175.18
SEC	8 3/4	FMHX553ZZ	1142	6,530	5388	56	96.214
STC	8 3/4	MSI519	363	3976	3613	14	258.07





DOWDCO BIT RECORD



Status

OPERATOR				CONTRACTOR				RIG NUMBER				LEASE NAME				LEASE NUMBER				BIT RECORD DATA BASE NUMBER															
SAMSON				SCAN				LIBERTY				CHOPPER GU				1-2																			
OPERATOR REPRESENTATIVE				CONTRACTOR REPRESENTATIVE				BIT RECORD CLASSIFICATION				DESCRIPTION				OBJECTIVE				CONTRACT TYPE				DOWDCO SALES REPRESENTATIVE											
JIGGER SMITH																DW				KYLE DOUGLAS															
COUNTY				STATE		FIELD				SURVEY				ABSTRACT		COORDINATES		SECTION		TOWNSHIP		RANGE		SPUD											
HARRISON				TX		WASKOM				J CHISSOM				3										5/10/08											
DRILL PIPE 1				OD		WEIGHT		DRILL		LENGTH		O.D.		I.D.		PUMP		MAKE		MODEL		STROKE		LINER		MUD TYPE 1		RIG TYPE		INT. SET					
																														5/19/08					
DRILL PIPE 2				OD		WEIGHT		DRILL		LENGTH		O.D.		I.D.		PUMP		MAKE		MODEL		STROKE		LINER		MUD TYPE 2		WATER SOURCE		WATER DEPTH		BLOCK		STARTING DEPTH	
																																82			
BIT NO.	SIZE	MFG.	TYPE	SERIAL NO.	JETS TFA	DEPTH OUT	FEET	HRS.	ROP	ACC. HRS.	WOB 1000 lbs	RPM	VERT. DEV.	PUMP PRESS.	GPM or SPM		MUD		IADC DULL GRADE								FORMATION DATE/COMMENTS								
															#1	#2	WT.	VIS.	I	O	DC	L	B	G	O	R									
1	12 1/4	HTC	HC606S	7013003	8-15	510	428	2.0	214.0		5-15	60-130	1	3,000	300	300	9.2	32	1	1	WT	A	X	0	NO	TD									
2	8 3/4	DOW	TMX557	D-3133	7-11	5,236	4,726	23.5	201.1		16-22	80/140	1	3,000	300	300	9.2	32																	
						6,291	5,781	33.0	175.2		18-25	60/140	1	3,150	300	300	9.7	37	1	1	WT	S	X	0	NO	PR									
3	7 7/8	SEC	FMHX653ZZ	11141554	6-13	7,330	1,039	19.0	54.7		25-30	65-70	1	2,500	300	300	10	35																	
						8,198	1,907	40.0	47.7		32-35	65-70	2	2,800	300	300	9.8	35	4	2	LT	N	X	0	CT	PR									
4	7 7/8	SEC	FMHX653ZZ	11131248	6-13	8,723	525	16.0	32.8		30-35	55-65		2,800	300	300	10	38																	
						9,524	1,326	37.5	35.4		32-34	55-65	1	3,000	280	280	9.9	40	1	1	WT	A	X	0	WT	PR									
5	7 7/8	HTC	Q505HXX	7118251	5-13	10,263	739	14.5	51.0		20-28	55-65	1	3,000	270	270	10	40																	
						11,652	2,128	37.5	56.7		15-32	65-75	1	3,200	270	270	10.8	40																	
						11,911	2,387	41.5	57.5		15-32	65-75		3,400	250	250	11.1	46	1	1	WT	A	X	0	NO	TD									

Comments: 5 MI NW JONESVILLE - AUS CH=2377, PALUXY=3112, GLN RSE=3453, MSV ANHY=4946, RDSA=5239, JAMES LIME=5699, PETTIT=5997, TP=6295, CV=8126, CV B=8378, TAYLOR=9515, BOSSIER=9793, CV LIME=11235,



DOWDCO BIT RECORD



Status

OPERATOR SAMSON				CONTRACTOR SCAN				RIG NUMBER LIBERTY				LEASE NAME JUDGE DANIELS GU				LEASE NUMBER 1-10				BIT RECORD DATA BASE NUMBER																																							
OPERATOR REPRESENTATIVE JIGGER SMITH / HUEY				CONTRACTOR REP.				BIT RECORD CLASSIFICATION				DESCRIPTION				OBJECTIVE				CONTRACT TYPE DW				DOWDCO SALES REPRESENTATIVE KYLE DOUGLAS																																			
COUNTY GREGG				STATE TX				FIELD				SURVEY				ABSTRACT				COORDINATES				SECTION				TOWNSHIP				RANGE				SPUD 3/24/08																							
DRILL PIPE 1				DRILL				LENGTH				O.D.				I.D.				PUMP				MAKE				MODEL				STROKE				LINER				MUD TYPE 1				RIG TYPE				INT. SET											
DRILL PIPE 2				DRILL				LENGTH				O.D.				I.D.				PUMP				MAKE				MODEL				STROKE				LINER				MUD TYPE 2				WATER SOURCE				WATER DEPTH				BLOCK				STARTING DEPTH 80			
BIT NO.	SIZE	MFG.	TYPE	SERIAL NO.	JETS TFA	DEPTH OUT	FEET	HRS.	ROP	ACC. HRS.	WOB 1000 lbs	RPM	VERT. DEV.	PUMP PRESS.	GPM or SPM #1	GPM or SPM #2	MUD WT.	MUD VIS.	I	O	DC	L	B	G	O	R	FORMATION DATE/COMMENTS																																
1	12 1/4	HTC	HC606S	7011483	8-12	1,142	1,062	7.5	141.6		8-14	60	5	1,500	300	300	8.8	32	1	1	WT	A	X	0	NO	TD																																	
2	8 3/4	SEC	FMHX553ZZ	11124737	5-13	6,530	5,388	56.0	96.2		12-15	55	1	2,400	260	260	9.2	34	1	1	WT	A	X	0	NO	BHA	MM																																
3	7 7/8	SEC	FMHX653ZZ	11128052	6-12	8,737	2,207	40.5	54.5		30-35	60-65	1	2,800	260	260	9.6	37	1	1	WT	N	X	0	CT	PR																																	
4	7 7/8	HTC	HC507ZX	7117875	2-10, 5-12	10,330	1,593	57.5	27.7		34-38	60		2,900	260	260	9.9	40	4	2	CT	N	X	0	FC	PR																																	
5	7 7/8	SEC	FMHX653ZZ	11131247	3-12, 3-13																																																						

Comments:



DOWDCO BIT RECORD



Status

OPERATOR SAMSON				CONTRACTOR SCAN				RIG NUMBER LIBERTY				LEASE NAME SW MEDICAL				LEASE NUMBER 10				BIT RECORD DATA BASE NUMBER									
OPERATOR REPRESENTATIVE JIGGER SMITH/ HUEY				CONTRACTOR REP.				BIT RECORD CLASSIFICATION				DESCRIPTION				OBJECTIVE				CONTRACT TYPE DW				DOWDCO SALES REPRESENTATIVE KYLE DOUGLAS					
COUNTY HARRISON				STATE TX		FIELD WASKOM				SURVEY				ABSTRACT		COORDINATES		SECTION		TOWNSHIP		RANGE		SPUD 4/27/08					
DRILL PIPE 1		OD	WEIGHT	DRILL		LENGTH	O.D.	I.D.	PUMP	MAKE	MODEL	STROKE	LINER	MUD TYPE 1		RIG TYPE						INT. SET							
DRILL PIPE 2		OD	WEIGHT	DRILL		LENGTH	O.D.	I.D.	PUMP	MAKE	MODEL	STROKE	LINER	MUD TYPE 2		WATER SOURCE		WATER DEPTH		BLOCK		STARTING DEPTH 80							
BIT NO.	SIZE	MFG.	TYPE	SERIAL NO.	JETS TFA	DEPTH OUT	FEET	HRS.	ROP	ACC. HRS.	WOB 1000 lbs	RPM	VERT. DEV.	PUMP PRESS.	GPM or SPM		MUD		IADC DULL GRADE										FORMATION DATE/COMMENTS
															# 1	# 2	WT.	VIS.	I	O	DC	L	B	G	O	R			
1	12 1/4	HTC	HC606S		9-12	517	447	3.0	149.0		14	160	.34	2,300			W	W	1	1	WT	A	X	0	NO	TD			
2	8 3/4	HTC	HC504ZX		3-14, 3-15	6,866	6,349	46.5	136.5		20-22	60-100M	1	2,700			9.7	38											
3	7 7/8	SEC																											

Comments:



DOWDCO BIT RECORD



Status

OPERATOR SAMSON				CONTRACTOR SCAN				RIG NUMBER LIBERTY				LEASE NAME TAYLOR ESTATE				LEASE NUMBER 4H				BIT RECORD DATA BASE NUMBER							
OPERATOR REPRESENTATIVE JIGGER /HUEY				CONTRACTOR REP.				BIT RECORD CLASSIFICATION HOR				DESCRIPTION DW				OBJECTIVE KYLE DOUGLAS				CONTRACT TYPE DW				DOWDCO SALES REPRESENTATIVE 5/27/08			
COUNTY HARRISON				STATE TX		FIELD WASKOM				SURVEY JM BRITT				ABSTRACT 846		COORDINATES		SECTION		TOWNSHIP		RANGE		SPUD 5/27/08			
DRILL PIPE 1		OD	WEIGHT	DRILL		LENGTH	O.D.	I.D.	PUMP		MAKE	MODEL	STROKE	LINER	MUD TYPE 1		RIG TYPE				INT. SET						
DRILL PIPE 2		OD	WEIGHT	DRILL		LENGTH	O.D.	I.D.	PUMP		MAKE	MODEL	STROKE	LINER	MUD TYPE 2		WATER SOURCE		WATER DEPTH		BLOCK		STARTING DEPTH 80				
BIT NO.	SIZE	MFG.	TYPE	SERIAL NO.	JETS TFA	DEPTH OUT	FEET	HRS.	ROP	ACC. HRS.	WOB 1000 lbs	RPM	VERT. DEV.	PUMP PRESS.	GPM or SPM #1	GPM or SPM #2	MUD WT.	MUD VIS.	I	O	DC	L	B	G	O	R	FORMATION DATE/COMMENTS
1	12 1/4	HTC	HC606S	7014236	8-12	443	363	2.0	181.5		5-10	120		650	320	320	8.9	30	0	0	NO	A	X	0	NO	TD	
2	8 3/4	STC	MSI519	J41785	7-12	3,976	3,533	14.0	252.4		10-20	60/150	1	2,500	320	320	9	31	1	5	WT	S	X	3	CT	PR	
3	8 3/4	HTC	HC504ZX	7116830	6-12	5,165	1,189	18.0	66.1		20-32	75-110	1	2,300	320	320	9.6	37									REAM 85 / DROP MM
						6,800	2,824	41.0	68.9		28-30	75-110	2	3,000	317	317	9.4	36									
						7,806	3,976	63.5	62.6		28-32	55	2	3,000	317	317	9.7	36	2	2	WT	A	X	0	CT	PR	
4	8 3/4	HTC	Q505HXX	7120841	5-14	9,023	1,217	34.0	35.8		30-34	55	1	2,900	282	282	10.1	39	1	2	WT	S	X	0	CT	PR	

Comments: