



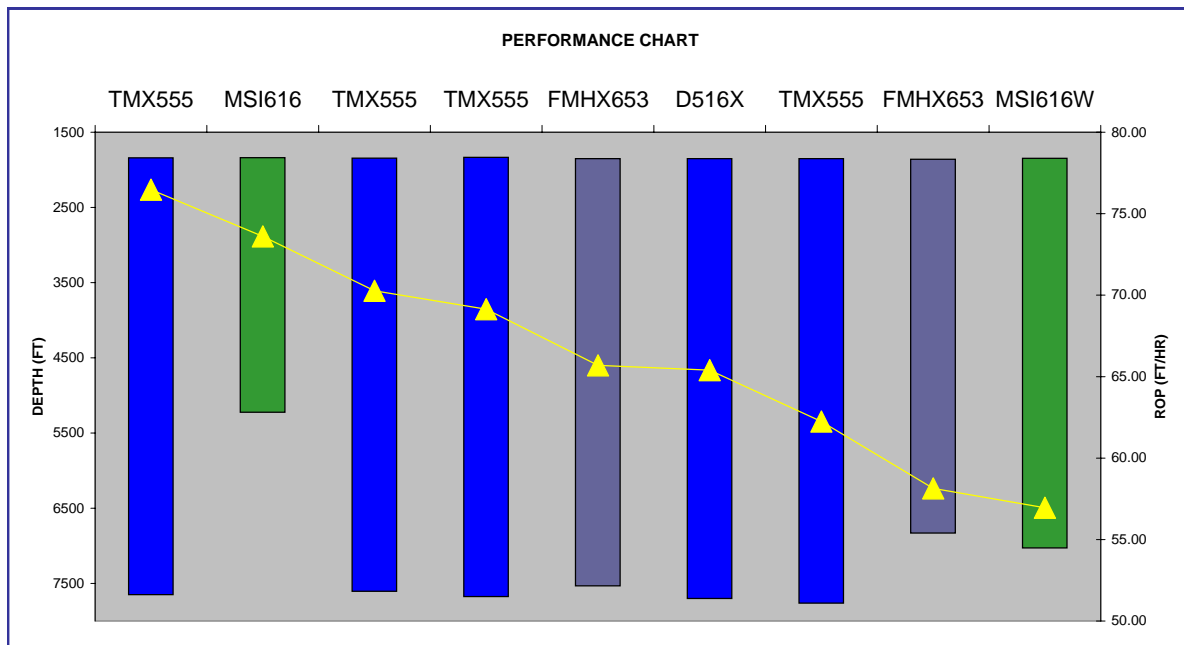
# BIT PERFORMANCE

DRILL OUT BIT PERFORMANCE

PETROHAWK  
BOSSIER



MFR	SIZE	TYPE	IN	OUT	FTG	HRS	ROP
DOW	7 7/8	TMX555	1,840	7,652	5812	76	76.47
STC	7 7/8	MSI616	1,839	5,225	3386	46	73.61
DOW	7 7/8	TMX555	1,845	7,607	5762	82	70.27
DOW	7.875	TMX555	1,835	7,677	5842	84.5	69.14
SEC	7.875	FMHX653	1,851	7,533	5682	86.5	65.69
DOW	7 7/8	D516X	1,850	7,703	5853	89.5	65.40
DOW	7 7/8	TMX555	1,850	7,763	5913	95	62.24
SEC	7.875	FMHX653	1,860	6,831	4971	85.5	58.14
STC	7 7/8	MSI616W	1,846	7,029	5183	91	56.96







# DOWDCO BIT RECORD



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OPERATOR				CONTRACTOR				RIG NUMBER		LEASE NAME				LEASE NUMBER				BIT RECORD DATA BASE NUMBER											
PETROHAWK				ENERGY				9		SNYDER				22-7															
OPERATOR REPRESENTATIVE				CONTRACTOR REP.				BIT RECORD CLASSIFICATION		DESCRIPTION		OBJECTIVE		CONTRACT TYPE		DOWDCO SALES REPRESENTATIVE													
JIM HOY				RAY RATLIFF TRINITY						VERT.				TK		TIM HEWITT													
COUNTY		STATE		FIELD		SURVEY		ABSTRACT		COORDINATES		SECTION		TOWNSHIP		RANGE		SPUD		UNDER SURF.									
BOSSIER		LA		ELM GROVE								22		16N		12W		3/7/08		3/12/08									
DRILL PIPE 1		DRILL		LENGTH		O.D.		I.D.		PUMP		MAKE		MODEL		STROKE		LINER		MUD TYPE 1		RIG TYPE		INT. SET					
										EMSCO		F-1000		10		6								T.D. DATE		3/23/08			
DRILL PIPE 2		DRILL		LENGTH		O.D.		I.D.		PUMP		MAKE		MODEL		STROKE		LINER		MUD TYPE 2		WATER SOURCE		WATER DEPTH		BLOCK		STARTING DEPTH	
										BOMCO		F-1000		10		6													
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.	VIS.	I	O	DC	L	B	G	O	R	FORMATION DATE/COMMENTS		
1	12 1/4	STC	M716	SLB181	7/12	1,839	1,759	19.5	90.2		8-14	90-140	.5	2,000		100	9	35	0	0	NO	A	X	0	NO	TD	LOST RETURNS		
2	8 3/4		115C	BO9603	3/15																								
3	7 7/8	STC	MSI616	JX8089	6/11	4,070	2,231	20.5	108.8		10-16	90-110	1	1,750		120	9.2	32											
3						5,150	3,311	41.5	79.8		20	70-80	1	1,500		120	9.6	33											
3						5,225	3,386	46.0	73.6		20	60-70	1	1,500		120	9.6	33	1	1	CC	A	X	0	WC	BHA	WASHOUT BITSUB		
4	7 7/8	STC	MSI616	JX9330	6/11	5,860	635	9.0	70.6		20	60-70	1	2,170		121	9.7	33											
4						6,826	1,601	32.0	50.0		22	55-60	1.25	2,130		119	10	34											
4						7,380	2,155	53.5	40.3		23	60-70	1	2,150		115	10.1	36											
4						7,662	2,437	65.0	37.5		22	60	1	2,120		113	10.2	37	2	5	RO	S	X	1	BC	PR			
5	7 7/8	RTC	DSX1011	120867	4/9 3/16	8,034	372	17.5	21.3		25	50-60		1,975		120	10.3	39											
5						8,424	762	41.0	18.6		25	60-65		2,115		120	10.5	40											
5						8,676	838	45.5	18.4		18-20	60-65	.75	2,115		112	10.6	40	2	2	BC	A	X	0	CC	PR			
6	7 7/8	STC	MSI713	JX8663	7/11	9,240	740	29.5	25.1		18	60		2,050		112	10.8	45											
6						9,850	1,350	50.5	26.7		22-24	60-65	1.5	2,150		106	10.9	48	1	1	WC	A	X	0	NO	TD			

Comments:





# DOWDCO BIT RECORD



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OPERATOR <b>PETROHAWK</b>				CONTRACTOR <b>ENERGY</b>				RIG NUMBER <b>1</b>		LEASE NAME <b>MURPHY</b>				LEASE NUMBER <b>12-2</b>				BIT RECORD DATA BASE NUMBER											
OPERATOR REPRESENTATIVE <b>JAMES BRIDGES</b>				CONTRACTOR REP. <b>TRINITY JIMMY</b>				BIT RECORD CLASSIFICATION		DESCRIPTION <b>VERT.</b>		OBJECTIVE		CONTRACT TYPE <b>TK</b>		DOWDCO SALES REPRESENTATIVE <b>TIM HEWITT</b>													
COUNTY <b>BOSSIER</b>		STATE <b>LA</b>		FIELD <b>ELM GROVE</b>		SURVEY		ABSTRACT		COORDINATES		SECTION <b>12</b>		TOWNSHIP <b>16N</b>		RANGE <b>12W</b>		SPUD <b>5/22/08</b>											
DRILL PIPE 1		DRILL		LENGTH		O.D.		I.D.		PUMP		MAKE <b>EMSCO</b>		MODEL <b>F-1000</b>		STROKE <b>10</b>		LINER <b>6</b>		MUD TYPE 1		RIG TYPE		INT. SET					
DRILL PIPE 2		DRILL		LENGTH		O.D.		I.D.		PUMP		MAKE <b>EMSCO</b>		MODEL <b>F-1000</b>		STROKE <b>10</b>		LINER <b>6</b>		MUD TYPE 2		WATER SOURCE		WATER DEPTH		BLOCK		STARTING DEPTH	
BIT NO.	SIZE	MFG.	TYPE	SERIAL NO.	JETS TFA	DEPTH OUT	FEET	HR.	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	STC	MSI616	JX7420	6/13	1,850	1,770	19.0	93.2		12-15	140	1	1,350		90	9	34	0	0	NO	A	X	0	NO	TD			
2	7 7/8	DOW	D516X	D3160	5/11	4,117	2,267	23.5	96.5		12-15	100-80	1	2,000		120	9.3	30											
2						5,667	3,817	46.5	82.1		15	85	.75	2,100		120	9.7	36											
2						6,983	5,133	69.0	74.4		18	80	.75	2,350		117	10	37											
2						7,703	5,853	89.5	65.4		22	70	.75	2,350		114	10.2	38	1	2	DEL	S	X	0	CT	PR			
3	7 7/8	SEC	FMHX753	11064224RW	7/11	7,854	151	5.0	30.2		20-22	70		2,350		114	10.2	40											

Comments:



# DOWDCO BIT RECORD



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OPERATOR				CONTRACTOR				RIG NUMBER		LEASE NAME				LEASE NUMBER		BIT RECORD DATA BASE NUMBER													
PETROHAWK				ENERGY				9		LONG-DEHAN-DANCE				1-1															
OPERATOR REPRESENTATIVE				CONTRACTOR REP.				BIT RECORD CLASSIFICATION		DESCRIPTION		OBJECTIVE		CONTRACT TYPE		DOWDCO SALES REPRESENTATIVE													
JAMES BRIDGES				RAY TOMMY						VERT.				TK		TIM HEWITT													
COUNTY		STATE		FIELD				SURVEY		ABSTRACT		COORDINATES		SECTION		TOWNSHIP		RANGE		SPUD		UNDER SURF.							
BOSSIER		LA		ELM GROVE										1		16N		12W		5/19/08		5/22/08							
DRILL PIPE 1		OD WEIGHT		DRILL LENGTH		O.D. I.D.		PUMP MAKE MODEL		STROKE LINER		MUD TYPE 1		RIG TYPE		INT. SET		T.D. DATE		BLOCK		STARTING DEPTH							
								EMSCO F-1000		10 6																			
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									
								BOMCO F-1000		10 6																			
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	STC	M716	JW4586	7/12	1,860	1,783	19.0	93.8		8-16	130-150	.25	1,300		90	9	31	0	0	NO	A	X	0	NO	TD			
2	7 7/8	SEC	FMHX653	11113450	6/11	3,700	1,840	17.5	105.1		10-15	110-115	.5	1,650		120	9.2	34											
2						4,914	3,054	40.0	76.4		15-20	70-60	.5	1,740		118	9.2	32											
2						5,986	4,126	63.0	65.5		20	65	.75	1,900		119	9.5	34											
2						6,831	4,971	85.5	58.1		23	65-70	1	2,150		117	9.9	39	2	3	LC	N	X	0	ER	PR			
3	7 7/8	STC	MSI616	JY1578	6/12	7,108	277	11.5	24.1		22	60-70	1.25	2,000		120	10	39											
3						7,581	750	35.0	21.4		24	65		2,000		120	10.2	43											
3						7,841	1,010	49.5	20.4		24	65	1.5	2,000		120	10.2	43	2	2	BT	A	X	0	CT	PR			
4	7 7/8	STC	MSI713	JY0877	6/12	8,337	496	23.0	21.6		25	65		2,120		118	10.4	43											

Comments:



# DOWDCO BIT RECORD



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OPERATOR				CONTRACTOR				RIG NUMBER		LEASE NAME				LEASE NUMBER				BIT RECORD DATA BASE NUMBER											
PETROHAWK				ENERGY				1		DANCE				6-15 ALT.															
OPERATOR REPRESENTATIVE				CONTRACTOR REP.				BIT RECORD CLASSIFICATION		DESCRIPTION		OBJECTIVE		CONTRACT TYPE		DOWDCO SALES REPRESENTATIVE													
JAMES BRIDGES				JIMMY BOLLIER TRINITY MEADOR						VERT.				TK		TIM HEWITT													
COUNTY		STATE		FIELD		SURVEY		ABSTRACT		COORDINATES		SECTION		TOWNSHIP		RANGE		SPUD											
BOSSIER		LA		ELM GROVE								6		16N		11W		4/4/08											
DRILL PIPE 1		DRILL		LENGTH		O.D.		I.D.		PUMP		MAKE		MODEL		STROKE		LINER		MUD TYPE 1		RIG TYPE		INT. SET					
										EMSCO		F-1000		10		6								4/16/08					
DRILL PIPE 2		DRILL		LENGTH		O.D.		I.D.		PUMP		MAKE		MODEL		STROKE		LINER		MUD TYPE 2		WATER SOURCE		WATER DEPTH		BLOCK		STARTING DEPTH	
										EMSCO		F-1000		10		6													
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 #1	SPM #2	MUD WT.	VIS.	I	O	DC	L	B	G	O	R	FORMATION DATE/COMMENTS		
1	12 1/4	STC	M70	SCA809	7/12	1,835	1,755	14.5	121.0		5-15	120-150	.5	900		90	8.9	33	1	1	WC	A	X	0	NO	TD			
2	7 7/8	DOW	TMX555	D-3119s	5/11	4,155	2,320	22.0	105.5		15-20	120-60	.75	2,300		120	9.6	31											
2						5,750	3,915	45.0	87.0		18-22	70-80	1	2,150		120	9.7	33											
2						7,200	5,365	67.5	79.5		18-22	60-70	1	2,250		120	9.8	35											
2						7,677	5,842	84.5	69.1		22	65	1	2,350		110	10.4	33	2	2	LC	M	X	0	WC	PR			
3	7 7/8	STC	MSI713	JY1565	7/11	8,135	458	18.5	24.8		22	60		2,350		115	10.7	35											
3						8,687	1,010	41.0	24.6		20	65	1	2,350		113	10.7	36											
3						8,977	1,300	57.7	22.5		24	65	1.25	2,350		110	10.8	36	2	2	CC	A	X	0	WC	PR			
4	7 7/8	STC	MSI713	JY1556	7/11	9,358	381	19.0	20.1		23	55		2,400		108	11	39											
4						9,800	823	36.5	22.5		24	65		2,400		105	11	38	1	2	WC	S	X	0	NO	TD			

Comments: FERRY LAKE ANHYDRITE 4063' BASE ANHYDRITE 4310' L. ANHYDRITE STRINGER 4385' JAMES LIME 4841' SLIGO 5222' HOSSTON 5563' CV- 8198' CV-B 8459' CV-C 8583' CV-D 8652' BODCAW 8798' VAUGHN 8898' McFEARIN 9200' TURNER 9395' BASE TURNER 9517' TD 9800'



# DOWDCO BIT RECORD



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OPERATOR				CONTRACTOR				RIG NUMBER		LEASE NAME				LEASE NUMBER				BIT RECORD DATA BASE NUMBER									
PETROHAWK				ENERGY				1		KILEN				12-1													
OPERATOR REPRESENTATIVE				CONTRACTOR REP.				BIT RECORD CLASSIFICATION		DESCRIPTION		OBJECTIVE		CONTRACT TYPE		DOWDCO SALES REPRESENTATIVE											
JAMES BRIDGES				JIMMY TRINITY						VERT.				TK		TIM HEWITT											
COUNTY		STATE		FIELD		SURVEY		ABSTRACT		COORDINATES		SECTION		TOWNSHIP		RANGE		SPUD		UNDER SURF.							
BOSSIER		LA		ELM GROVE								12		16N		12W		5/6/08		5/9/08							
DRILL PIPE 1		OD	WEIGHT	DRILL		LENGTH	O.D.	I.D.	PUMP	MAKE	MODEL	STROKE	LINER	MUD TYPE 1		RIG TYPE		INT. SET									
										EMSCO	F-1000	10	6					T.D. DATE 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					
										EMSCO	F-1000	10	6														
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	SPM #2	MUD WT.	VIS.	I	O	DC	L	B	G	O	R	FORMATION DATE/COMMENTS
1	12 1/4	SEC	FS2663	11001800RW	6/13	1,851	1,791	20.0	89.6		5-15	120-150	.25	1,500		90	9	33	1	1	NO	A	X	0	NO	TD	
2	7 7/8	SEC	FMHX653	11124720	6/10	2,539	688	5.5	125.1		12	100		1,650		120	9.1	33									
2						4,469	2,618	28.0	93.5		18	80	1	2,100		120	9.6	31									
2						6,113	4,262	49.0	87.0		15	80	1	2,300		113	9.9	34									
2						7,135	5,284	71.5	73.9		22	80	.25	2,400		114	10.4	33									
2						7,533	5,682	86.5	65.7		22	65	1	2,400		114	10.2	36	1	1	WT	A	X	0	FC	BHA	
3	7 7/8	SEC	FMHX753	11105535	7/11	7,920	387	22.0	17.6		24	60		2,375		116	10.4	37									
3						8,373	840	45.5	18.5		25	65		2,400		116	10.5	39									
3						8,471	938	53.0	17.7		25	65	1	2,400		116	10.7	43	1	1	WT	A	X	0	NO	PR	
4	7 7/8	STC	MSI713	JX8664	7/11	8,563	92	6.5	14.2		20-24	45-65		2,400		116	10.7	43									
4						8,825	354	29.5	12.0		24-26	50-65		2,400		105	10.7	43									
4						8,895	424	37.5	11.3		24-26	50-66		2,400		105	10.7	43	2	2	BT	S	X	0	WT	PR	
5	7 7/8	STC	MSI616	JX4269	6/12	8,975	80	3.5	22.9		18-24	50-70	1	2,400		105	10.9	38									
5						9,565	670	24.0	27.9		18-24	50-70	2	2,400		105	10.9	43								TD	

Comments: