

Daily Drilling Report	Chesapeake Operating, Inc.
Well ID: 644095	Well Name: UNIVERSITY 19-19 2H
Field: HALEY	Sect: 0 Town: Rng: County: LOVING State: TX

OPERATIONS SUMMARY							
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)
05:00	17:00	12.00	120	Mob	Mob	Mob	RIGU Rig Up Air Lines, Hyd. Lines, Rig Up Floor, Hang Flow Line, Press. Test Mud Lines, Test Brakes, Spool Drum And Un-Pin TDS
17:00	20:00	3.00	120	Mob	Mob	Mob	NIPPLE UP Weld On Conductor And Nipple Up Same
20:00	05:00	9.00	120	Mob	Mob	Mob	RIGU Install Mouse Hole, Saver subs on Top Drive, Shaker Screens. Do Trinidad Inspection & Fix Problems.

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT	4,888							
DELAWARE	5,098							
CHERRY CANYON	6,081							
BRUSHY CANYON	7,432							
BONE SPRING	8,634							

THE INFORMATION IN THIS REPORT IS PROPRIETARY, CONFIDENTIAL AND NOT FOR PUBLIC DISSEMINATION. THIS INFORMATION MAY NOT BE SHARED WITH UNAUTHORIZED PERSONS WITHOUT THE WRITTEN CONSENT OF CHESAPEAKE.

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
405.879.7917 FAX

Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 1			Rig Release:			For 5:00 AM 10-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 1,701			RKB/GL EL: 25 / 2813			Survey:		
Last Casing:			Hole Made: 1581			Avg ROP: 93.0		
Next Casing: Planned Surface - 5058			AFE No: 170088			Drig AFE \$: 4,174,500		
BOP Tested:			Report No: 5			Daily Mud \$: 3,402		
Projected TD: 15,000			Proj. Days: 35			Cum Mud \$: 3,402		
						Spud Date:		
						Drill Hrs: 17.00		
						Total AFE \$: 6,740,500		
						Daily Well Cost \$: 71,476		
						Cum Well Cost \$: 474,604		

OPERATIONS SUMMARY											
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)				
05:00 06:00	1.00	120	Surf	Vert	Drill	PUBHA	Pick Up Reamers And Shock Subs, Load Collars On Racks And Strap Same				
06:00 07:00	1.00	120	Surf	Vert	Drill	RIG SERV	Service Rig				
07:00 10:30	3.50	120	Surf	Vert	Drill	DIR	Pick Up Directional Tools, Test Mud Motor And MWD				
10:30 20:30	10.00	1,053	Surf	Vert	Drill	DRILR	Drig F/ 120' T/1,053'. 933' @ 93.3'/Hr, WOB: 30, GPM: 753, PSI:2400, DIFF250, MRPM: 128, RPM: 25, Full Ret's				
20:30 21:00	0.50	1,073	Surf	Vert	Drill	DRILS	Drig S F/ 1,053' - 1,073', 20' @ 40'/Hr, WOB: 10, GPM: 837, MRPM: 134, DIFF: 200, TFO: 30, Full Ret's.				
21:00 21:30	0.50	1,083	Surf	Vert	Drill	DRILR	Drig F/ 1,073' T/1,083'. 10' @ 20'/Hr, WOB: 40, GPM: 753, PSI:2400, DIFF250, MRPM: 128, RPM: 25, Full Ret's				
21:30 22:00	0.50	1,099	Surf	Vert	Drill	DRILS	Drig S F/ 1,083' - 1,099', 16' @ 32'/Hr, WOB: 10, GPM: 837, MRPM: 134, DIFF: 200, TFO: 30, Full Ret's.				
22:00 22:30	0.50	1,099	Surf	Vert	Drill	BOPO	Remove Bell Nipple & Install Rotating head.				
22:30 03:30	5.00	1,684	Surf	Vert	Drill	DRILR	Drig F/ 1,099' T/1,1684'. 585' @ 117'/Hr, WOB: 40, GPM: 837, PSI:2400, DIFF250, MRPM:142, RPM: 25, Full Ret's				
03:30 04:00	0.50	1,701	Surf	Vert	Drill	DRILS	Drig S F/ 1,684' - 1,701, 17' @ 34'/Hr, WOB: 10, GPM: 837, MRPM: 134, DIFF: 200, TFO: 30, Full Ret's.				
04:00 05:00	1.00	1,701	Surf	Vert	Drill	REPR	DrawWorks Brakes Will Not Release				

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING			HRS SLIDING				
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO				Daily	Cum	Daily	Cum					
						125	135	120				15.5	15.5	1.5	1.5					
MUD REPORTS																				
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels		
09-May-2012 13:00	8.7	33				2	2	9	2.6	97.3			2.6	700				2/4/		
BIT INFORMATION									BIT RUN		REPORT			GRADING						
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
1/1	SEC	FX65DM		12.25	14/14/14/14/14/14			1581	17	93	25	13								
SURVEYS													BHA COMPONENTS							
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item		Len						
MWD	153	0.9	127.7	153	(1)	1	(1)	0.6	1		5.000	Drill Pipe		0.00						
MWD	328	1.1	170.7	328	(3)	2	(4)	0.4	1	1	8.000	XO Sub		3.90						
MWD	514	1.4	192.7	514	(7)	2	(7)	0.3	1	13	8.000	Drill Collar		395.43						
MWD	694	2.1	208.1	694	(12)	0	(12)	0.5	1	1	7.750	XO Sub		2.96						
MWD	874	3.0	217.5	874	(19)	-4	(17)	0.5	1	1	8.000	Stabilizer		6.70						
MWD	1,054	3.5	209.6	1,053	(27)	-10	(23)	0.4	1	1	8.125	Drill Collar - Non Mag		30.61						
MWD	1,144	2.2	213.2	1,143	(31)	-12	(26)	1.5	1	1	7.938	UBHO Sub		3.26						
MWD	1,234	2.1	213.3	1,233	(34)	-14	(29)	0.1	1	1	8.000	Stabilizer		6.76						
MWD	1,415	3.1	211.3	1,414	(41)	-19	(34)	0.5	1	1	8.000	Shock Sub		14.92						
MWD	1,595	3.9	211.5	1,594	(50)	-24	(41)	0.4	1	1	8.000	Shock Sub		14.93						
FORMATION TOPS					MUD LOG					Pore										
Target Form: HALEY					Depth	Gas:Back	Max	Conn	Trip	Pres										
Form Name		Depth:Prog	Actual	Shows and Lithology:																
SALT		4,888																		
DELAWARE		5,098																		
CHERRY CANYON		6,081																		
BRUSHY CANYON		7,432																		
BONE SPRING		8,634																		

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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 2			Rig Release:			For 5:00 AM 11-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 3,300			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing:			Hole Made: 1599			Drill Hrs: 21.00		
Next Casing: Planned Surface - 5058			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested:			Report No: 6			Daily Well Cost \$: 57,216		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 534,925		
Avg ROP: 76.1			Drig AFE \$: 4,174,500					
			Daily Mud \$: 804					
			Cum Mud \$: 4,206					

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 06:00	1.00	1,714	Surf	Vert	Drill	DRILS	Drig S F/ 1701' - 1714'. 13' @ 13'/Hr, WOB: 10, GPM: 837, MRPM: 134, DIFF: 200, TFO: 30, Full Ret's.		
06:00 08:30	2.50	2,135	Surf	Vert	Drill	DRILR	Drig F/ 1714' T/ 2135'. 421' @ 168.4'/Hr, WOB: 40, GPM: 837, PSI:2400, DIFF250, MRPM:142, RPM: 30, Full Ret's		
08:30 09:30	1.00	2,135	Surf	Vert	Drill	RIG SERV	Service Rig and TDS Unit.		
09:30 10:00	0.50	2,225	Surf	Vert	Drill	DRILR	Drig F/ 2135' T/ 2225'. 90' @ 180'/Hr, WOB: 40, GPM: 837, PSI:2400, DIFF250, MRPM:142, RPM: 30, Full Ret's		
10:00 11:00	1.00	2,275	Surf	Vert	Drill	DRILS	Drig S F/ 2225' - 2275', 50' @ 50'/Hr, WOB: 10, GPM: 837, MRPM: 134, DIFF: 200, TFO: 45, Full Ret's.		
11:00 11:30	0.50	2,315	Surf	Vert	Drill	DRILR	Drig F/ 2275' T/ 2315'. 40' @ 80'/Hr, WOB: 40, GPM: 837, PSI:2400, DIFF250, MRPM:142, RPM: 30, Full Ret's		
11:30 12:00	0.50	2,335	Surf	Vert	Drill	DRILS	Drig S F/ 2315' - 2335', 20' @ 40'/Hr, WOB: 10, GPM: 837, MRPM: 134, DIFF: 200, TFO: 45, Full Ret's.		
12:00 13:00	1.00	2,405	Surf	Vert	Drill	DRILR	Drig F/ 2335' T/ 2405'. 70' @ 70'/Hr, WOB: 40, GPM: 837, PSI:2400, DIFF250, MRPM:142, RPM: 30, Full Ret's		
13:00 14:00	1.00	2,405	Surf	Vert	Drill	EVAL	Change Out Rot Head DP Element and Gasket, Change Clamp.		
14:00 22:00	8.00	3,131	Surf	Vert	Drill	DRILR	Drig F/ 2405' T/ 3131'. 726' @ 90.8'/Hr, WOB: 40, GPM: 837, PSI:2550, DIFF250, MRPM:142, RPM: 30, Full Ret's		
22:00 23:00	1.00	3,152	Surf	Vert	Drill	DRILS	Drig S F/ 3131' - 3152', 21' @ 21'/Hr, WOB: 25, GPM: 837, MRPM: 142, DIFF: 200, TFO: 270, Full Ret's.		
23:00 23:30	0.50	3,162	Surf	Vert	Drill	DRILR	Drig F/ 3152' T/ 3162'. 10' @ 20'/Hr, WOB: 40, GPM: 837, PSI:2550, DIFF250, MRPM:142, RPM: 30, Full Ret's		
23:30 00:30	1.00	3,177	Surf	Vert	Drill	DRILS	Drig S F/ 3162' - 3177', 15' @ 15'/Hr, WOB: 25, GPM: 837, MRPM: 142, DIFF: 200, TFO: 270, Full Ret's.		
00:30 02:00	1.50	3,215	Surf	Vert	Drill	DRILR	Drig F/ 3177' T/ 3215'. 38' @ 25.3'/Hr, WOB: 40, GPM: 837, PSI:2550, DIFF250, MRPM:142, RPM: 30, Full Ret's		
02:00 03:00	1.00	3,215	Surf	Vert	Drill	EVAL	Change Out Rot Head DP Element and Gasket,		
03:00 05:00	2.00	3,300	Surf	Vert	Drill	DRILR	Drig F/ 3215' T/ 3300'. 85' @ 42.5'/Hr, WOB: 40, GPM: 837, PSI:2550, DIFF250, MRPM:142, RPM: 30, Full Ret's		

MISCELLANEOUS DRILLING INFORMATION								HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO	Daily	Cum	Daily	Cum
					125	135	120	16.5	32.0	4.5	6.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
10-May-2012 13:00	9.7	28				1	1	8	9.3	90.7			1.4	139000				1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
1/1	SEC	FX65DM		12.25	14/14/14/14/14/14	3180	38	84	27	14								

SURVEYS									BHA COMPONENTS				
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item	Len
MWD	1,775	2.8	209.7	1,773	(59)	-30	(49)	0.6	1		5.000	Drill Pipe	2,787.00
MWD	1,956	3.3	211.5	1,954	(68)	-35	(55)	0.3	1	1	8.000	XO Sub	3.90
MWD	2,136	4.6	215.6	2,134	(78)	-41	(63)	0.7	1	13	8.000	Drill Collar	395.43
MWD	2,316	1.6	200.2	2,313	(86)	-46	(70)	1.7	1	1	7.750	XO Sub	2.96
MWD	2,496	1.1	111.2	2,493	(89)	-46	(73)	1.1	1	1	8.000	Stabilizer	6.70
MWD	2,676	1.6	97.1	2,673	(90)	-42	(75)	0.3	1	1	8.125	Drill Collar - Non Mag	30.61
MWD	2,856	2.6	87.6	2,853	(90)	-35	(77)	0.6	1	1	7.938	UBHO Sub	3.26
MWD	2,947	3.0	86.0	2,944	(90)	-31	(78)	0.5	1	1	8.000	Stabilizer	6.76
MWD	3,037	3.4	86.4	3,034	(90)	-26	(79)	0.5	1	1	8.000	Shock Sub	14.92
MWD	3,217	1.4	52.7	3,214	(88)	-19	(79)	1.3	1	1	8.000	Shock Sub	14.93

FORMATION TOPS		MUD LOG					Pore	1	1	8.625	Float Sub	3.28
Target Form: HALEY		Depth	Gas:Back	Max	Conn	Trip	Pres	1	1	7.750	Mud Motor	29.59

Form Name	Depth:Prog	Actual	Shows and Lithology:						
SALT	4,888								
DELAWARE	5,098								
CHERRY CANYON	6,081								
BRUSHY CANYON	7,432								
BONE SPRING	8,634								

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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 3			Rig Release:			For 5:00 AM 12-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 4,210			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Conductor - 120			Hole Made: 910			Drill Hrs: 23.00		
Next Casing: Planned Surface - 5058			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested:			Report No: 7			Daily Well Cost \$: 51,155		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 586,830		
Survey:			Avg ROP: 39.6			Drig AFE \$: 4,174,500		
Daily Mud \$: 3,432			Cum Mud \$: 7,638					

OPERATIONS SUMMARY											
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)				
05:00 08:30	3.50	3,486	Surf	Vert	Drill	DRILR	Drig F/ 3300' T/ 3486'. 186' @ 53.1'/Hr, WOB: 25, GPM: 837, PSI:2550, DIFF250, MRPM:142, RPM: 50, Full Ret's				
08:30 09:30	1.00	3,486	Surf	Vert	Drill	RIG SERV	Service Rig and TDS Unit.				
09:30 17:30	8.00	3,846	Surf	Vert	Drill	DRILR	Drig F/ 3486' T/ 3846'. 360' @ 45'/Hr, WOB: 25, GPM: 837, PSI:2550, DIFF250, MRPM:142, RPM: 50, Full Ret's				
17:30 19:00	1.50	3,867	Surf	Vert	Drill	DRILS	Drig S F/ 3846' - 3867'. 21' @ 10.5'/Hr, WOB: 25, GPM: 837, MRPM: 142, DIFF: 200, TFO: 270, Full Ret's.				
19:00 19:30	0.50	3,877	Surf	Vert	Drill	DRILR	Drig F/ 3867' T/ 3877'. 10' @ 20'/Hr, WOB: 25, GPM: 837, PSI:2550, DIFF250, MRPM:142, RPM: 50, Full Ret's				
19:30 21:00	1.50	3,896	Surf	Vert	Drill	DRILS	Drig S F/ 3877' - 3896'. 19' @ 12.7'/Hr, WOB: 25, GPM: 837, MRPM: 142, DIFF: 300, TFO: 90, Full Ret's.				
21:00 23:00	2.00	4,026	Surf	Vert	Drill	DRILR	Drig F/ 3896' T/ 4026'. 130' @ 65'/Hr, WOB: 25, GPM: 837, PSI:2800, DIFF 300, MRPM:142, RPM: 40, Full Ret's				
23:00 01:00	2.00	4,051	Surf	Vert	Drill	DRILS	Drig S F/ 4026' - 4051'. 25' @ 50'/Hr, WOB: 25, GPM: 837, MRPM: 142, DIFF: 300, TFO: 180, Full Ret's.				
01:00 01:30	0.50	4,061	Surf	Vert	Drill	DRILR	Drig F/ 4051' T/ 4061'. 10' @ 20'/Hr, WOB: 25, GPM: 837, PSI:2800, DIFF 300, MRPM:142, RPM: 40, Full Ret's				
01:30 02:00	0.50	4,071	Surf	Vert	Drill	DRILS	Drig S F/ 4061' - 4071'. 10' @ 20'/Hr, WOB: 25, GPM: 837, MRPM: 142, DIFF: 300, TFO: 180, Full Ret's.				
02:00 05:00	3.00	4,210	Surf	Vert	Drill	DRILR	Drig F/ 4071' T/ 4210'. 139' @ 46.3'/Hr, WOB: 25, GPM: 837, PSI:2800, DIFF 300, MRPM:142, RPM: 30, Full Ret's				

MISCELLANEOUS DRILLING INFORMATION								HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO	Daily	Cum	Daily	Cum
					125	135	120	17.5	68.0	5.5	16.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
11-May-2012 11:00	9.9	28				1	1	8	10.5	89.5			0.1	177000			0/0	1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
1/1	SEC	FX65DM		12.25	14/14/14/14/14/14	4950	84	59	27	19	2	2	CT	N	2	0	CT	TD

SURVEYS									BHA COMPONENTS								
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item		Len			
MWD	2,676	1.6	97.1	2,673	(90)	-42	(75)	0.3	1		5.000	Drill Pipe		4,557.00			
MWD	2,856	2.6	87.6	2,853	(90)	-35	(77)	0.6	1	1	8.000	XO Sub		3.90			
MWD	2,947	3.0	86.0	2,944	(90)	-31	(78)	0.5	1	13	8.000	Drill Collar		395.43			
MWD	3,037	3.4	86.4	3,034	(90)	-26	(79)	0.5	1	1	7.750	XO Sub		2.96			
MWD	3,217	1.4	52.7	3,214	(88)	-19	(79)	1.3	1	1	8.000	Stabilizer		6.70			
MWD	3,397	2.1	43.9	3,394	(84)	-14	(77)	0.4	1	1	8.125	Drill Collar - Non Mag		30.61			
MWD	3,577	2.8	46.1	3,574	(79)	-9	(73)	0.4	1	1	7.938	UBHO Sub		3.26			
MWD	3,757	3.9	47.9	3,753	(72)	-1	(68)	0.6	1	1	8.000	Stabilizer		6.76			
MWD	3,937	3.3	1.4	3,933	(62)	3	(61)	1.6	1	1	8.000	Shock Sub		14.92			
MWD	4,117	1.6	35.7	4,113	(55)	5	(54)	1.2	1	1	8.000	Shock Sub		14.93			
FORMATION TOPS									1	1	8.625	Float Sub		3.28			
Target Form: HALEY									1	1	7.750	Mud Motor		29.59			

Form Name	Depth:Prog	Actual	Shows and Lithology:
SALT		4,888	
DELAWARE		5,098	
CHERRY CANYON		6,081	
BRUSHY CANYON		7,432	
BONE SPRING		8,634	

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Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 4			Rig Release:			For 5:00 AM 13-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 5,070			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Surface - 5070			Hole Made: 860			Drill Hrs: 23.00		
Next Casing:			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested:			Report No: 8			Daily Well Cost \$: 48,872		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 635,701		
Survey:			Avg ROP: 37.4			Drig AFE \$: 4,174,500		
Daily Mud \$: 2,291			Cum Mud \$: 9,929					

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00-16:30	11.50	4,725	Surf	Vert	Drill	DRILR	Drig F/ 4210' T/ 4725'. 515' @ 44.8/Hr, WOB: 25, GPM: 837, PSI:2800, DIFF 300, MRPM:142, RPM: 40, Full Ret's		
16:30-17:30	1.00	4,725	Surf	Vert	Drill	RIG SERV	Service Rig And TDS Unit.		
17:30-18:00	0.50	4,746	Surf	Vert	Drill	DRILR	Drig F/ 4725' T/ 4746'. 21' @ 42/Hr, WOB: 35, GPM: 837, PSI:2800, DIFF 300, MRPM:142, RPM: 50, Full Ret's		
18:00-20:00	2.00	4,768	Surf	Vert	Drill	DRILS	Drig S F/ 4746' - 4768', 22' @ 11/Hr, WOB: 20, GPM: 837, MRPM: 142, DIFF: 100, TFO: 90, Full Ret's.		
20:00-22:30	2.50	4,925	Surf	Vert	Drill	DRILR	Drig F/ 4768' T/ 4925'. 157' @ 62.8/Hr, WOB: 35, GPM: 837, PSI:3141, DIFF 300, MRPM:142, RPM: 50, Full Ret's		
22:30-01:00	2.50	4,945	Surf	Vert	Drill	DRILS	Drig S F/ 4925' - 4945', 20' @ 8/Hr, WOB: 20, GPM: 837, MRPM: 142, DIFF: 100, TFO: 120, Full Ret's.		
01:00-05:00	4.00	5,070	Surf	Vert	Drill	DRILR	Drig F/ 4945' T/ 5070'. 125' @ 31.25/Hr, WOB: 35, GPM: 837, PSI:3141, DIFF 300, MRPM:142, RPM: 50, Full Ret's		

MISCELLANEOUS DRILLING INFORMATION								HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO	Daily	Cum	Daily	Cum
					195	200	190	18.5	68.0	4.5	16.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
13-May-2012 05:00	9.9	28				1	1	9	10.9	89.1			0.3	180000			0/0	1/1/
12-May-2012 13:00	9.9	28				1	1	8	10.9	89.1			0.3	180000				1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
1/1	SEC	FX65DM		12.25	14/14/14/14/14	4950	84	59	27	19	2	2	CT	N	2	0	CT	TD

SURVEYS										BHA COMPONENTS				
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item	Len
MWD	3,397	2.1	43.9	3,394	(84)	-14	(77)	0.4		1		5.000	Drill Pipe	4,557.00
MWD	3,577	2.8	46.1	3,574	(79)	-9	(73)	0.4		1	1	8.000	XO Sub	3.90
MWD	3,757	3.9	47.9	3,753	(72)	-1	(68)	0.6		1	13	8.000	Drill Collar	395.43
MWD	3,937	3.3	1.4	3,933	(62)	3	(61)	1.6		1	1	7.750	XO Sub	2.96
MWD	4,117	1.6	35.7	4,113	(55)	5	(54)	1.2		1	1	8.000	Stabilizer	6.70
MWD	4,297	2.0	54.5	4,293	(51)	9	(52)	0.4		1	1	8.125	Drill Collar - Non Mag	30.61
MWD	4,477	2.6	54.6	4,473	(47)	15	(49)	0.3		1	1	7.938	UBHO Sub	3.26
MWD	4,657	4.0	65.9	4,652	(42)	24	(47)	0.9		1	1	8.000	Stabilizer	6.76
MWD	4,836	5.0	59.3	4,831	(35)	37	(44)	0.6		1	1	8.000	Shock Sub	14.92
MWD	4,981	3.8	58.2	4,975	(30)	46	(41)	0.9		1	1	8.000	Shock Sub	14.93

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT		4,888						
DELAWARE		5,098						
CHERRY CANYON		6,081						
BRUSHY CANYON		7,432						
BONE SPRING		8,634						
			1	1	7.750	Mud Motor		29.59

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
405.879.7917 FAX

Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 5			Rig Release:			For 5:00 AM 14-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 5,070			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Surface - 5070			Hole Made: 0			Drill Hrs: 0		
Next Casing:			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested:			Report No: 9			Daily Well Cost \$: 49,401		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 685,102		
Survey:			Avg ROP: 0			Drig AFE \$: 4,174,500		
Daily Mud \$: 4,039			Cum Mud \$: 13,968					

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 08:00	3.00	5,070	Surf	Vert	Drill	CIRC	Cycle Pumps and Retrieve Final Survey, Pump 2 - 50 BBL Sweeps and Circulate Hole Clean, Spot 100 BBL High Vis Pill Outside of Bit w/ 50 BBL Slug.		
08:00 12:00	4.00	5,070	Surf	Vert	Csg	TOOH	Strap Out Of Hole F/ 5070' - 1188'.		
12:00 13:00	1.00	5,070	Surf	Vert	Csg	CIRC	Fill Drill String, Pump Fluid Caliper @ 1188', Slug Pipe. Average Hole Size 15 7/8".		
13:00 13:30	0.50	5,070	Surf	Vert	Csg	TOOH	Strap Out Of Hole F/ 1188' - 513'.		
13:30 15:30	2.00	5,070	Surf	Vert	Csg	LDBHA	Lay Down 8" Drill Collars F/ 513' - 111'.		
15:30 17:00	1.50	5,070	Surf	Vert	Csg	DIR	Lay Down Directional Tools.		
17:00 18:00	1.00	5,070	Surf	Vert	Csg	RIG SERV	Service Rig and TDS Unit.		
18:00 20:00	2.00	5,070	Surf	Vert	Csg	RURD	Safety Meeting, R/U Casing Tools and Equipment.		
20:00 22:00	2.00	5,070	Surf	Vert	Csg	REPS	Troubleshoot issues with Casing Elevators and Slips, pull Guards and adjust to function properly.		
22:00 01:00	3.00	5,070	Surf	Vert	Csg	CASE	M/U 2 jt Shoe Track and Pump Through, Run 9 5/8" 40# J55 LTC Surface Casing T/ 1900'		
01:00 01:30	0.50	5,070	Surf	Vert	Csg	WOW	Circ W/ Fill Tool, Due to Rain and Wind, Operator Could Not See Stabber.		
01:30 05:00	3.50	5,070	Surf	Vert	Csg	CASE	Run 9 5/8" 40# J55 LTC Surface Casing F/ 1900' - 4200'.		

MISCELLANEOUS DRILLING INFORMATION								HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO	Daily	Cum	Daily	Cum
					195	200	190		68.0		16.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
13-May-2012 05:00	9.9	28				1	1	9	10.9	89.1			0.3	180000			0/0	1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
1/1	SEC	FX65DM		12.25	14/14/14/14/14	4950	84	59	27	19	2	2	CT	N	2	0	CT	TD

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len				
MWD	3,397	2.1	43.9	3,394	(84)	-14	(77)	0.4		1		5.000	Drill Pipe		4,557.00				
MWD	3,577	2.8	46.1	3,574	(79)	-9	(73)	0.4		1	1	8.000	XO Sub		3.90				
MWD	3,757	3.9	47.9	3,753	(72)	-1	(68)	0.6		1	13	8.000	Drill Collar		395.43				
MWD	3,937	3.3	1.4	3,933	(62)	3	(61)	1.6		1	1	7.750	XO Sub		2.96				
MWD	4,117	1.6	35.7	4,113	(55)	5	(54)	1.2		1	1	8.000	Stabilizer		6.70				
MWD	4,297	2.0	54.5	4,293	(51)	9	(52)	0.4		1	1	8.125	Drill Collar - Non Mag		30.61				
MWD	4,477	2.6	54.6	4,473	(47)	15	(49)	0.3		1	1	7.938	UBHO Sub		3.26				
MWD	4,657	4.0	65.9	4,652	(42)	24	(47)	0.9		1	1	8.000	Stabilizer		6.76				
MWD	4,836	5.0	59.3	4,831	(35)	37	(44)	0.6		1	1	8.000	Shock Sub		14.92				
MWD	4,981	3.8	58.2	4,975	(30)	46	(41)	0.9		1	1	8.000	Shock Sub		14.93				
										1	1	8.625	Float Sub		3.28				
										1	1	7.750	Mud Motor		29.59				

FORMATION TOPS			MUD LOG						Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres	
Form Name	Depth:Prog	Actual	Shows and Lithology:						
SALT	4,888								
DELAWARE	5,098								
CHERRY CANYON	6,081								
BRUSHY CANYON	7,432								
BONE SPRING	8,634								

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 6			Rig Release:			For 5:00 AM 15-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 5,070			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Surface - 5070			Hole Made: 0			Drill Hrs: 0		
Next Casing: Planned Intermediate - 11635			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested:			Report No: 10			Daily Well Cost \$: 261,513		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 950,915		
Survey:			Avg ROP: 0					
			Drig AFE \$: 4,174,500					
			Daily Mud \$:					
			Cum Mud \$: 13,968					

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 05:30	0.50	5,070	Surf	Vert	Csg	CASE	Run 9 5/8" 40# J55 LTC Surface Casing F/ 4200' - 4953'.		
05:30 08:00	2.50	5,070	Surf	Vert	Csg	WASH	Wash Casing F/ 4953' - 5070'. Tag Bottom OK.		
08:00 09:30	1.50	5,070	Surf	Vert	Csg	CIRC	Circulate and Condition Mud.		
09:30 16:00	6.50	5,070	Surf	Vert	Csg	WOE	Circ and Condition Mud and Wait on Halliburton Pump Truck.		
16:00 19:30	3.50	5,070	Surf	Vert	Csg	CMTp	Safety Meeting, Test Lines T/ 4000 psi OK, Pump 50 BBLS FW Spacer, 324 BBLS (750 sx) 11.9 ppg, 2.48 yld Lead Slurry, 106 BBLS (460 sx) 14.8 ppg, 1.33 yld Tail, and Displace With 378 BBLS FW To Bump Wiper Plug and Hold 1650 psi (500 psi over). Bled 2 BBLS and Check Floats OK.		
19:30 22:00	2.50	5,070	Surf	Vert	Csg	CIRC	Drop Opening Plug and Pump Open With 750 psi, Circulate With Rig Pump At 5 BBLS/Min, Full Returns, No Cement To Surface.		
22:00 23:30	1.50	5,070	Surf	Vert	Csg	CMTS	Safety Meeting and Test Lines T/ 4000 psi OK, Pump 50 BBLS FW Spacer, 274 BBLS (1150 sx) 14.8 ppg, 1.36 yld Single Slurry, Displace With 90 BBLS FW to Bump Plug With 2450 psi and Held 2350, Bled 1 BBLS and Check Float OK. Circ 40 BBLS Cement to Surface.		
23:30 03:30	4.00	5,070	Surf	Vert	Csg	WOC	Wait On Cement.		
03:30 05:00	1.50	5,070	Surf	Vert	Csg	BOPO	Rough Cuts and Remove Cut Joint and Conductor, Dress Out Same.		

MISCELLANEOUS DRILLING INFORMATION											HRS ROTATING				HRS SLIDING							
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO					Daily	Cum	Daily	Cum						
															68.0				16.0			
MUD REPORTS																						
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels				
14-May-2012 14:00	9.9	28				1	1	9	10.9	89.1			0.3	180000				1/1/				
BIT INFORMATION									BIT RUN		REPORT			GRADING								
No/Run	Make	Model	IADC	Diam	Nozzles				Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull	
1/1	SEC	FX65DM		12.25	14/14/14/14/14/14				4950	84	59	27	19	2	2	CT	N	2	0	CT	TD	
SURVEYS													BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item	Len									
MWD	3,397	2.1	43.9	3,394	(84)	-14	(77)	0.4	1		5.000	Drill Pipe	4,557.00									
MWD	3,577	2.8	46.1	3,574	(79)	-9	(73)	0.4	1	1	8.000	XO Sub	3.90									
MWD	3,757	3.9	47.9	3,753	(72)	-1	(68)	0.6	1	13	8.000	Drill Collar	395.43									
MWD	3,937	3.3	1.4	3,933	(62)	3	(61)	1.6	1	1	7.750	XO Sub	2.96									
MWD	4,117	1.6	35.7	4,113	(55)	5	(54)	1.2	1	1	8.000	Stabilizer	6.70									
MWD	4,297	2.0	54.5	4,293	(51)	9	(52)	0.4	1	1	8.125	Drill Collar - Non Mag	30.61									
MWD	4,477	2.6	54.6	4,473	(47)	15	(49)	0.3	1	1	7.938	UBHO Sub	3.26									
MWD	4,657	4.0	65.9	4,652	(42)	24	(47)	0.9	1	1	8.000	Stabilizer	6.76									
MWD	4,836	5.0	59.3	4,831	(35)	37	(44)	0.6	1	1	8.000	Shock Sub	14.92									
MWD	4,981	3.8	58.2	4,975	(30)	46	(41)	0.9	1	1	8.000	Shock Sub	14.93									
FORMATION TOPS				MUD LOG						Pore												
Target Form: HALEY				Depth	Gas:Back	Max	Conn	Trip	Pres	1	1	7.750	Mud Motor	29.59								
Form Name		Depth:Prog	Actual	Shows and Lithology:																		
SALT		4,888																				
DELAWARE		5,098																				
CHERRY CANYON		6,081																				
BRUSHY CANYON		7,432																				
BONE SPRING		8,634																				

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 7

Rig Release:

For 5:00 AM 16-May-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 5,070	RKB/GL EL: 25 / 2813	Avg ROP: 0	Spud Date: 09-May-12
Last Casing: Surface - 5070	Hole Made: 0	Drig AFE \$: 4,174,500	Drill Hrs: 0
Next Casing: Planned Intermediate - 11635	AFE No: 170088	Daily AFE \$: 6,740,500	Total AFE \$: 6,740,500
BOP Tested: 05/15/2012	Report No: 11	Daily Mud \$:	Daily Well Cost \$: 57,893
Projected TD: 15,000	Proj. Days: 35	Cum Mud \$: 13,968	Cum Well Cost \$: 1,016,858

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 09:00	4.00	5,070	Surf	Vert	Csg	BOPO	Finish Dress Out Casing Cut and Install and Weld Well Head and Test T/ 1500 psi.		
09:00 17:00	8.00	5,070	Surf	Vert	Csg	BOPNU	Nipple Up and Function Test BOP's.		
17:00 23:00	6.00	5,070	Surf	Vert	Csg	BOPT	Test BOP's Choke Manifold and Floor Valves 250 Low, 5000 High OK, Annular and Stand Pipe Back to Mud Pumps 250 Low, 3500 High OK.		
23:00 00:00	1.00	5,070	Surf	Vert	Csg	BOPO	Attach Flow Line and Center Stack and Clean Work Area.		
00:00 01:00	1.00	5,070	Surf	Vert	Csg	PUBHA	Move Measure and Caliper BHA.		
01:00 02:00	1.00	5,070	Surf	Vert	Csg	RIG SERV	Service Rig and TDS Unit.		
02:00 03:00	1.00	5,070	Surf	Vert	Csg	EVAL	Install Wear Bushing and Lock in Same, Close Well Head Valve.		
03:00 05:00	2.00	5,070	Int	Vert	Drill	DIR	Pick Up, Make Up and Test Directional Tools.		

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING				HRS SLIDING				
Flare:	Dur	An	P	Ht	Hk Loads:		Rot	PU	SO				Daily	Cum	Daily	Cum					
													68.0				16.0				
MUD REPORTS																					
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels			
15-May-2012 09:30	9.3	28					1	1	12	6	94		0.5	100000			0/0	1/1/			
BIT INFORMATION									BIT RUN			REPORT			GRADING						
No/Run	Make	Model	IADC	Diam	Nozzles				Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
1/1	SEC	FX65DM		12.25	14/14/14/14/14/14				4950	84	59	27	19	2	2	CT	N	2	0	CT	TD
SURVEYS													BHA COMPONENTS								
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item		Len							
MWD	3,397	2.1	43.9						1		5.000	Drill Pipe		4,557.00							
MWD	3,577	2.8	46.1						1	1	8.000	XO Sub		3.90							
MWD	3,757	3.9	47.9						1	13	8.000	Drill Collar		395.43							
MWD	3,937	3.3	1.4						1	1	7.750	XO Sub		2.96							
MWD	4,117	1.6	35.7						1	1	8.000	Stabilizer		6.70							
MWD	4,297	2.0	54.5						1	1	8.125	Drill Collar - Non Mag		30.61							
MWD	4,477	2.6	54.6						1	1	7.938	UBHO Sub		3.26							
MWD	4,657	4.0	65.9						1	1	8.000	Stabilizer		6.76							
MWD	4,836	5.0	59.3						1	1	8.000	Shock Sub		14.92							
MWD	4,981	3.8	58.2						1	1	8.000	Shock Sub		14.93							
FORMATION TOPS				MUD LOG								Pore									
Target Form: HALEY				Depth	Gas:Back	Max	Conn	Trip	Pres												
Form Name		Depth:Prog	Actual	Shows and Lithology:																	
SALT		4,888																			
DELAWARE		5,098																			
CHERRY CANYON		6,081																			
BRUSHY CANYON		7,432																			
BONE SPRING		8,634																			

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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 8

Rig Release:

For 5:00 AM 17-May-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 5,425	RKB/GL EL: 25 / 2813	Avg ROP: 47.3	Spud Date: 09-May-12
Last Casing: Surface - 5070	Hole Made: 355	Drig AFE \$: 4,174,500	Drill Hrs: 7.50
Next Casing: Planned Intermediate - 11635	AFE No: 170088	Daily AFE \$: 6,740,500	Total AFE \$: 6,740,500
BOP Tested: 05/15/2012	Report No: 12	Daily Mud \$:	Daily Well Cost \$: 54,663
Projected TD: 15,000	Proj. Days: 35	Cum Mud \$: 13,968	Cum Well Cost \$: 1,089,110

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 07:00	2.00	5,070	Surf	Vert	Csg	DIR	Make Up and Test Directional Tools for BHA #2 T/ 105'		
07:00 10:00	3.00	5,070	Surf	Vert	Csg	PUBHA	P/U 6.5" Drill Collars and Jewelry F/ 105' - 578' BHA #2.		
10:00 11:00	1.00	5,070	Surf	Vert	Csg	TIH	TIH F/ 578' - 1150'.		
11:00 11:30	0.50	5,070	Surf	Vert	Csg	WASH	Fill Drill String, Break Circulation and Wash F/ 1150' - 1170' and Tag Hard Cement with 5K.		
11:30 12:00	0.50	5,070	Surf	Vert	Csg	CTEST	Test Casing T/ 1014 psi, hold 30 min OK.		
12:00 13:00	1.00	5,070	Surf	Vert	Csg	EVAL	Pull Trip Nipple and Install Rotating Head Dual Element Bearing.		
13:00 13:30	0.50	5,070	Surf	Vert	Csg	CMTD	Drill Cement and DV Tool F/ 1170' - 1190' and Verify Good Passage.		
13:30 14:00	0.50	5,070	Surf	Vert	Csg	RIG SERV	Service Rig.		
14:00 14:30	0.50	5,070	Surf	Vert	Csg	EVAL	Rack Back Rot Head and Install Trip Nipple.		
14:30 17:00	2.50	5,070	Surf	Vert	Csg	TIH	TIH F/ 1190' - 4970', Tag Cement.		
17:00 17:30	0.50	5,070	Surf	Vert	Csg	EVAL	Remove Trip Nipple, RIH Rot Head.		
17:30 18:00	0.50	5,070	Surf	Vert	Csg	CTEST	Test Casing 30 Min's @ 4970' T/ 1015 psi, OK.		
18:00 20:00	2.00	5,070	Surf	Vert	Csg	CMTD	Drill Cement and Shoe Trackl F/ 4970' - 5070' and Verify Good Passage.		
20:00 20:30	0.50	5,080	Surf	Vert	Csg	DRILR	Drig F/ 5070' - 5080', 10' @ 20'/Hr., WOB: 5, GPM: 450, PPSI: 1245, DIFF: 50, MRPM: 130, RPM: 30, Full Returns		
20:30 21:00	0.50	5,080	Surf	Vert	Csg	CIRC	Circulate Bottom Up @ 5084'.		
21:00 21:30	0.50	5,080	Surf	Vert	Csg	FIT	Formation Test @ 5084' W/ 9.3 ppg to EMW 12 ppg - 715 psi, OK 30 Min.		
21:30 22:00	0.50	5,080	Int	Vert	Drill	RIG SERV	Lubricate Rig		
22:00 00:00	2.00	5,174	Int	Vert	Drill	DRILR	Drig F/ 5080' - 5174', 94' @ 47'/Hr., WOB: 5, GPM: 450, PPSI: 1574, DIFF: 300, MRPM: 130, RPM: 30, Full Returns		
00:00 01:30	1.50	5,195	Int	Vert	Drill	DRILS	Drig S F/ 5174' - 5195', 21' @ 14'/Hr, WOB: 5, GPM: 450, MRPM: 130, DIFF: 120, TFO: 255, Full Ret's.		
01:30 02:00	0.50	5,214	Int	Vert	Drill	DRILR	Drig F/ 5195' - 5214', 19' @ 38'/Hr., WOB: 5, GPM: 450, PPSI: 1744, DIFF: 289, MRPM: 130, RPM: 30, Full Returns		
02:00 02:30	0.50	5,229	Int	Vert	Drill	DRILS	Drig S F/ 5214' - 5229', 21' @ 30'/Hr, WOB: 5, GPM: 450, MRPM: 130, DIFF: 150, TFO: 260, Full Ret's.		
02:30 05:00	2.50	5,425	Int	Vert	Drill	DRILR	Drig F/ 5229' - 5425', 196' @ 78.4'/Hr., WOB: 5, GPM: 450, PPSI: 1573, DIFF: 300, MRPM: 130, RPM: 30, Full Returns		

MISCELLANEOUS DRILLING INFORMATION										HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO		Daily	Cum	Daily	Cum
										5.5	73.5	2.0	18.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
16-May-2012 05:00	9.3	28				1	1		6	94			0.5	100000				1/1

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
2/	ULTERR	U713M		8.75	12/12/12/12/12/12	355	7.5	47	5	20				N	0	0		BHA
1/1	SEC	FX65DM		12.25	14/14/14/14/14/14	4950	84	59	27	19	2	2	CT	N	2	0	CT	TD

SURVEYS										BHA COMPONENTS								
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len			
MWD	3,937	3.3	1.4	3,933	(62)	3	(61)	1.6	2	5.000	Drill Pipe				4,844.00			
MWD	4,117	1.6	35.7	4,113	(55)	5	(54)	1.2	2	6.375	XO Sub				3.59			
MWD	4,297	2.0	54.5	4,293	(51)	9	(52)	0.4	2	6.813	Drill Collar				427.62			
MWD	4,477	2.6	54.6	4,473	(47)	15	(49)	0.3	2	6.500	Stabilizer				6.10			
MWD	4,657	4.0	65.9	4,652	(42)	24	(47)	0.9	2	6.375	Drill Collar				30.39			
MWD	4,836	5.0	59.3	4,831	(35)	37	(44)	0.6	2	6.500	Stabilizer				5.83			
MWD	4,981	3.8	58.2	4,975	(30)	46	(41)	0.9	2	6.500	Drill Collar - Flex Monel				30.48			
MWD	5,107	3.4	51.4	5,101	(25)	53	(39)	0.4	2	6.313	NMDC				30.77			
MWD	5,197	1.9	29.5	5,191	(22)	55	(37)	2.0	2	6.375	UBHO Sub				3.30			
MWD	5,287	2.6	339.8	5,281	(19)	55	(34)	2.2	2	6.750	Shock Sub				11.56			

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT		4,888						
DELAWARE		5,098						
CHERRY CANYON		6,081						
BRUSHY CANYON		7,432						
BONE SPRING		8,634						
			2	6.563	Stabilizer			4.69
			2	6.750	Mud Motor - Bent Housing			25.83

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
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Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 9			Rig Release:			For 5:00 AM 18-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 6,660			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Surface - 5070			Hole Made: 1235			Drill Hrs: 21.00		
Next Casing: Planned Intermediate - 11635			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012			Report No: 13			Daily Well Cost \$: 57,959		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 1,147,068		
Survey:			Avg ROP: 58.8			Drig AFE \$: 4,174,500		
Daily Mud \$: 8,881			Cum Mud \$: 25,075					

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 07:00	2.00	5,534	Int	Vert	Drill	DRILR	Drig F/ 5,425' - 5,534' = 109' @ 54.5'/Hr., WOB: 15, GPM: 502, PPSI: 1550, DIFF: 250, MRPM: 145, RPM: 30, Full Returns		
07:00 08:00	1.00	5,534	Int	Vert	Drill	RIG SERV	Lubricate Rig		
08:00 11:30	3.50	5,805	Int	Vert	Drill	DRILR	Drig F/ 5,425' - 5,805' = 380' @ 108.6'/Hr., WOB: 15, GPM: 502, PPSI: 1550, DIFF: 250, MRPM: 145, RPM: 30, Full Returns		
11:30 12:30	1.00	5,805	Int	Vert	Drill	DIR	Re-Program Directional Tool		
12:30 22:30	10.00	6,354	Int	Vert	Drill	DRILR	Drig F/ 5425' - 6,354' = 929' @92.9'/Hr., WOB: 15, GPM: 502, PPSI: 1550, DIFF: 250, MRPM: 145, RPM: 30, Full Returns		
22:30 23:30	1.00	6,354	Int	Vert	Drill	DIR	Re-Program Directional Tool. Re log Well		
23:30 05:00	5.50	6,660	Int	Vert	Drill	DRILR	Drig F/ 6,354' - 6660 = 306' @ 55.63'/Hr., WOB: 15, GPM: 502, PPSI: 1550, DIFF: 250, MRPM: 145, RPM: 30, Full Returns		

MISCELLANEOUS DRILLING INFORMATION										HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO		Daily	Cum	Daily	Cum
	817/917/42					180	190	170		21.0	94.5		18.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
17-May-2012 12:00	9.3	28				1	1	11	6	94	0		0.5	99000				1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
2/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1590	28.5	56	9	24				N	0	0		BHA
1/1	S�C	FX65DM		12.25	14/14/14/14/14/14	4950	84	59	27	19	2	2	CT	N	2	0	CT	TD

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len				
MWD	5,467	2.0	347.5	5,461	(12)	54	(26)	0.3		2		5.000	Drill Pipe		6,079.00				
MWD	5,558	2.1	345.9	5,552	(9)	53	(23)	0.1		2		6.375	XO Sub		3.59				
MWD	5,738	2.0	345.7							2		6.813	Drill Collar		427.62				
MWD	5,919	2.1	349.8							2		6.500	Stabilizer		6.10				
MWD	6,098	1.9	349.9	6,091	10	49	(4)	0.2		2		6.375	Drill Collar		30.39				
MWD	6,188	1.9	351.2	6,181	13	48	(1)	0.1		2		6.500	Stabilizer		5.83				
MWD	6,278	1.7	350.3							2		6.500	Drill Collar - Flex Monel		30.48				
MWD	6,368	2.1	347.0	6,361	19	47		0.5		2		6.313	NMDC		30.77				
MWD	6,459	1.8	346.4	6,452	22	46		0.4		2		6.375	UBHO Sub		3.30				
MWD	6,548	1.9	348.5							2		6.750	Shock Sub		11.56				
										2		6.563	Stabilizer		4.69				
										2		6.750	Mud Motor - Bent Housing		25.83				

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	5546166					
SALT	4,888		Shows and Lithology: 10% Shale, 80% Sandstone, 10% Limestone.					
DELAWARE	5,098							
CHERRY CANYON	6,081							
BRUSHY CANYON	7,432							
BONE SPRING	8,634							

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 10			Rig Release:			For 5:00 AM 19-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 7,525			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Surface - 5070			Hole Made: 865			Drill Hrs: 23.00		
Next Casing: Planned Intermediate - 11635			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012			Report No: 14			Daily Well Cost \$: 53,453		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 1,200,521		
Survey:			Avg ROP: 37.6					
			Drig AFE \$: 4,174,500					
			Daily Mud \$: 4,134					
			Cum Mud \$: 29,208					

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 09:00	4.00	6,885	Int	Vert	Drill	DRILR	Drig F/ 6660' - 6885' = 225' @ 56.25'/Hr., WOB: 15, GPM: 502, PPSI: 1550, DIFF: 250, MRPM: 145, RPM: 30, Full Returns		
09:00 10:00	1.00	6,885	Int	Vert	Drill	RIG SERV	Service Rig		
10:00 05:00	19.00	7,525	Int	Vert	Drill	DRILR	Drig F/ 6885' - 7,525' = 640' @ 33.68'/Hr., WOB: 17, GPM: 502, PPSI: 1550, DIFF: 250, MRPM: 145, RPM: 30, Full Returns		

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING			HRS SLIDING						
Flare:	Dur	An	P	Ht	Hk Loads:		Rot	PU	SO				Daily	Cum	Daily	Cum						
817/917/42													220	230	225				23.0	117.5	18.0	18.0
MUD REPORTS																						
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels				
18-May-2012 10:00	9.3	28				1	1	10	6	94			0.5	99000				1/1/				
BIT INFORMATION									BIT RUN		REPORT			GRADING								
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull		
2/1	ULTERR	U713M		8.75	12/12/12/12/12/12			2455	51.5	48	10	24				N	0	0		BHA		
1/1	SEC	FX65DM		12.25	14/14/14/14/14/14			4950	84	59	27	19	2	2	CT	N	2	0	CT	TD		
SURVEYS													BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item			Len							
MWD	6,188	1.9	351.2						2		5.000	Drill Pipe			6,944.00							
MWD	6,278	1.7	350.3						2		6.375	XO Sub			3.59							
MWD	6,368	2.1	347.0						2		6.813	Drill Collar			427.62							
MWD	6,459	1.8	346.4						2		6.500	Stabilizer			6.10							
MWD	6,548	1.9	348.5						2		6.375	Drill Collar			30.39							
MWD	6,728	1.7	334.4						2		6.500	Stabilizer			5.83							
MWD	6,908	1.1	335.7						2		6.500	Drill Collar - Flex Monel			30.48							
MWD	7,089	1.1	341.7						2		6.313	NMDC			30.77							
MWD	7,269	0.9	321.4						2		6.375	UBHO Sub			3.30							
MWD	7,449	0.4	357.8						2		6.750	Shock Sub			11.56							
FORMATION TOPS					MUD LOG					Pore												
Target Form: HALEY					Depth	Gas:Back	Max	Conn	Trip	Pres												
Form Name		Depth:Prog	Actual	356 173 676																		
SALT				4,888																		
DELAWARE				5,098																		
CHERRY CANYON				6,081																		
BRUSHY CANYON				7,432																		
BONE SPRING				8,634																		
				Shows and Lithology:																		
				50% Shale, 30% Sandstone, 20% Limestone.																		

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 11

Rig Release:

For 5:00 AM 20-May-2012

District: PERMIAN	Objective: Bone Spring	Rig: Trinidad 102
Depth: 8,018	RKB/GL EL: 25 / 2813	Spud Date: 09-May-12
Last Casing: Surface - 5070	Hole Made: 493	Drill Hrs: 22.50
Next Casing: Planned Intermediate - 11635	AFE No: 170088	Total AFE \$: 6,740,500
BOP Tested: 05/15/2012	Report No: 15	Daily Well Cost \$: 50,221
Projected TD: 15,000	Proj. Days: 35	Cum Well Cost \$: 1,250,742
Avg ROP: 21.9		
Drig AFE \$: 4,174,500		
Daily Mud \$: 3,831		
Cum Mud \$: 33,040		

OPERATIONS SUMMARY

From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)
05:00 08:30	3.50	7,606	Int	Vert	Drill	DRILR	Drig F/ 7525' - 7606' = 81' @ 23.1'/Hr., WOB: 17, GPM: 502, PPSI: 1550, DIFF: 250, MRPM: 145, RPM: 30, Full Returns
08:30 09:30	1.00	7,606	Int	Vert	Drill	RIG SERV	Service Rig And TDS Unit.
09:30 13:00	3.50	7,696	Int	Vert	Drill	DRILR	Drig F/ 7606' - 7696' = 90' @ 25.7'/Hr., WOB: 16, GPM: 544, PPSI: 1550, DIFF: 300, MRPM: 163, RPM: 28, Full Returns
13:00 13:30	0.50	7,696	Int	Vert	Drill	REPR	Troubleshoot #1MP, Middle Discharge Module Washed.
13:30 05:00	15.50	8,018	Int	Vert	Drill	DRILR	Drig F/ 7696' - 8,018' =322' @ 20.77 '/Hr., WOB: 15k To 25k, GPM: 460, PPSI: 1375, DIFF: 200, MRPM: 132, RPM: 25, Full Returns

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING			HRS SLIDING														
Flare:	Dur	An P	Ht	Hk Loads:			Rot	PU	SO				Daily	Cum	Daily	Cum														
817/917/42													225			235			225			22.5			140.0			18.0		
MUD REPORTS																														
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels												
19-May-2012 12:00	9.3	28				1	1	8.5	4	94			0.5	99000				1/1/												
BIT INFORMATION									BIT RUN		REPORT			GRADING																
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull										
2/1	ULTERR	U713M		8.75	12/12/12/12/12/12			2948	74	40	11	24				N	0	0		BHA										
1/1	SÈC	FX65DM		12.25	14/14/14/14/14/14			4950	84	59	27	19	2	2	CT	N	2	0	CT	TD										
SURVEYS													BHA COMPONENTS																	
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item		Len																
MWD	6,368	2.1	347.0						2		5.000	Drill Pipe		7,436.84																
MWD	6,459	1.8	346.4						2		6.375	XO Sub		3.59																
MWD	6,548	1.9	348.5	6,541	24	46	10	0.1	2		6.813	Drill Collar		427.62																
MWD	6,728	1.7	334.4						2		6.500	Stabilizer		6.10																
MWD	6,908	1.1	335.7						2		6.375	Drill Collar		30.39																
MWD	7,089	1.1	341.7	7,082	37	41	24	0.1	2		6.500	Stabilizer		5.83																
MWD	7,269	0.9	321.4						2		6.500	Drill Collar - Flex Monel		30.48																
MWD	7,449	0.4	357.8						2		6.313	NMDC		30.77																
MWD	7,629	0.4	30.9						2		6.375	UBHO Sub		3.30																
MWD	7,808	0.6	57.6						2		6.750	Shock Sub		11.56																
FORMATION TOPS				MUD LOG					Pore																					
Target Form: HALEY				Depth	Gas:Back	Max	Conn	Trip	Pres																					
Form Name	Depth:Prog	Actual	Shows and Lithology:																											
SALT	4,888		10% Shale, 90% Sandstone, 0% Limestone.																											
DELAWARE	5,098																													
CHERRY CANYON	6,081																													
BRUSHY CANYON	7,432																													
BONE SPRING	8,634																													

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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 12			Rig Release:			For 5:00 AM 21-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 8,660			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Surface - 5070			Hole Made: 642			Drill Hrs: 23.00		
Next Casing: Planned Intermediate - 11635			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012			Report No: 16			Daily Well Cost \$: 57,478		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 1,308,220		
Survey:			Avg ROP: 27.9					
Drig AFE \$: 4,174,500			Daily Mud \$: 3,487					
Cum Mud \$: 36,527								

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 10:00	5.00	8,145	Int	Vert	Drill	DRILR	Drig F/ 8018' - 8145' =127' @ 25.4 '/Hr., WOB: 20 - 25, GPM: 502, PPSI: 1750, DIFF: 200, MRPM: 151, RPM: 25, Full Returns		
10:00 11:00	1.00	8,145	Int	Vert	Drill	RIG SERV	Service Rig And TDS Unit.		
11:00 05:00	18.00	8,660	Int	Vert	Drill	DRILR	Drig F/ 8,145' T/ 8,660'=515' @ 28.61 '/Hr., WOB: 25 - 30, GPM: 502, PPSI:2400, DIFF:200, MRPM: 145, RPM: 20, Full Returns		

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING			HRS SLIDING					
Flare:	Dur	An P	Ht	Hk Loads:			Rot	PU	SO				Daily	Cum	Daily	Cum					
817/917/42													23.0			163.0			18.0		
MUD REPORTS																					
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels			
20-May-2012 12:00	9.3	28				1	1	8	6	94			0.5	99000				1/1/			
BIT INFORMATION									BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles				Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
2/1	ULTERR	U713M		8.75	12/12/12/12/12				3590	97	37	12	24								
1/1	SEC	FX65DM		12.25	14/14/14/14/14/14				4950	84	59	27	19	2	2	CT	N	2	0	CT	TD
SURVEYS													BHA COMPONENTS								
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item				Len					
MWD	6,908	1.1	335.7	6,901	33	42	20	0.3	2		5.000	Drill Pipe				8,079.00					
MWD	7,089	1.1	341.7	7,082	37	41	24	0.1	2		6.375	XO Sub				3.59					
MWD	7,269	0.9	321.4	7,262	40	40	27	0.2	2		6.813	Drill Collar				427.62					
MWD	7,449	0.4	357.8	7,442	41	39	29	0.4	2		6.500	Stabilizer				6.10					
MWD	7,629	0.4	30.9	7,622	42	39	30	0.1	2		6.375	Drill Collar				30.39					
MWD	7,808	0.6	57.6	7,801	43	40	30	0.2	2		6.500	Stabilizer				5.83					
MWD	7,988	0.3	90.0	7,981	44	41	31	0.2	2		6.500	Drill Collar - Flex Monel				30.48					
MWD	8,169	0.7	101.7	8,162	44	43	30	0.3	2		6.313	NMDC				30.77					
MWD	8,349	0.1	154.9	8,342	43	44	29	0.4	2		6.375	UBHO Sub				3.30					
MWD	8,528	0.4	78.0	8,521	43	45	29	0.2	2		6.750	Shock Sub				11.56					
FORMATION TOPS					MUD LOG					Pore											
Target Form: HALEY					Depth		Gas:Back		Max	Conn	Trip	Pres		2					6.563	Stabilizer	4.69
Form Name		Depth:Prog		Actual	224		673		410												
SALT					Shows and Lithology:																
DELAWARE					90% Shale, 10% Sandstone, 0% Limestone.																
CHERRY CANYON																					
BRUSHY CANYON																					
BONE SPRING																					

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 13

Rig Release:

For 5:00 AM 22-May-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 9,020	RKB/GL EL: 25 / 2813	Avg ROP: 48.0	Spud Date: 09-May-12
Last Casing: Surface - 5070	Hole Made: 360	Drig AFE \$: 4,174,500	Drill Hrs: 7.50
Next Casing: Planned Intermediate - 11635	AFE No: 170088	Daily AFE \$: 958	Total AFE \$: 6,740,500
BOP Tested: 05/15/2012	Report No: 17	Cum Mud \$: 37,485	Daily Well Cost \$: 53,824
Projected TD: 15,000	Proj. Days: 35		Cum Well Cost \$: 1,362,044

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 07:00	2.00	8,772	Int	Vert	Drill	DRILR	Drig F/ 8660' T/ 8772'=112' @ 56'/Hr., WOB: 25 - 30, GPM: 502, PPSI:2400, DIFF:200, MRPM: 145, RPM: 20, Full Returns		
07:00 08:00	1.00	8,772	Int	Vert	Drill	DIR	Work Pipe and Recycle Mud Pumps Attempting to Take Survey, No Go, Decision to Drill Ahead.		
08:00 13:30	5.50	9,020	Int	Vert	Drill	DRILR	Drig F/ 8772' T/ 9020'= 248' @ 45.1'/Hr., WOB: 25 - 30, GPM: 502, PPSI:2400, DIFF:200, MRPM: 145, RPM: 20, Full Returns		
13:30 15:30	2.00	9,020	Int	Vert	Drill	CIRC	Circulate Bottoms Up, Pump 75 BBLS Kill Mud and Slug Pipe. Lost Ret's When Pill Cleared Bit.		
15:30 22:00	6.50	9,020	Int	Vert	Drill	TOOH	TOOH F/ 9020' - 581'. Filling With Calculated Displacement, Check Flow OK.		
22:00 23:00	1.00	9,020	Int	Vert	Drill	RIG SERV	Service Rig		
23:00 01:30	2.50	9,020	Int	Vert	Drill	TOOH	Work BHA # 2 And Lay Down Mud Motor #2		
01:30 03:30	2.00	9,020	Int	Vert	Drill	TIH	Pick Up Motor, Scribe Motor, And Trip In Hole With BHA #3 To 581'		
03:30 04:00	0.50	9,020	Int	Vert	Drill	TIH	Test MWD And Mud Motor		
04:00 05:00	1.00	9,020	Int	Vert	Drill	TIH	Trip In Hole From 581' To 3,000'		

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING			HRS SLIDING																																																						
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO				Daily	Cum	Daily	Cum																																																							
817/917/42									250			265			235			7.5			170.5			18.0																																														
MUD REPORTS																																																																						
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels																																																				
21-May-2012 11:00																			9.3			28			1			1			10			6			94			0.5			99000			1/1/																								
BIT INFORMATION									BIT RUN			REPORT			GRADING																																																							
No/Run	Make	Model	IADC	Diam	Nozzles				Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull																																																	
2/1																			ULTERR			U713M			8.75			12/12/12/12/12/12				3950			104.5			38			13			24			1			1			CT			DTF														
1/1																			SEC			FX65DM			12.25			14/14/14/14/14/14				4950			84			59			27			19			2			2			CT			N			2			0			CT			TD		
SURVEYS													BHA COMPONENTS																																																									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item	Len																																																									
MWD	6,908	1.1	335.7	6,901	33	42	20	0.3	2		5.000	Drill Pipe	8,439.00																																																									
MWD	7,089	1.1	341.7	7,082	37	41	24	0.1	2		6.375	XO Sub	3.59																																																									
MWD	7,269	0.9	321.4	7,262	40	40	27	0.2	2		6.813	Drill Collar	427.62																																																									
MWD	7,449	0.4	357.8	7,442	41	39	29	0.4	2		6.500	Stabilizer	6.10																																																									
MWD	7,629	0.4	30.9	7,622	42	39	30	0.1	2		6.375	Drill Collar	30.39																																																									
MWD	7,808	0.6	57.6	7,801	43	40	30	0.2	2		6.500	Stabilizer	5.83																																																									
MWD	7,988	0.3	90.0	7,981	44	41	31	0.2	2		6.500	Drill Collar - Flex Monel	30.48																																																									
MWD	8,169	0.7	101.7	8,162	44	43	30	0.3	2		6.313	NMDC	30.77																																																									
MWD	8,349	0.1	154.9	8,342	43	44	29	0.4	2		6.375	UBHO Sub	3.30																																																									
MWD	8,528	0.4	78.0	8,521	43	45	29	0.2	2		6.750	Shock Sub	11.56																																																									
FORMATION TOPS				MUD LOG						Pore																																																												
Target Form: HALEY				Depth		Gas:Back		Max	Conn	Trip	Pres	2		6.750		Mud Motor - Bent Housing				25.83																																																		
Form Name		Depth:Prog		Actual		Shows and Lithology:																																																																
SALT		4,888		80% Shale, 0% Sandstone, 20% Limestone.																																																																		
DELAWARE		5,098																																																																				
CHERRY CANYON		6,081																																																																				
BRUSHY CANYON		7,432																																																																				
BONE SPRING		8,634																																																																				

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
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Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 14			Rig Release:			For 5:00 AM 23-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 9,950			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Surface - 5070			Hole Made: 930			Drill Hrs: 16.00		
Next Casing: Planned Intermediate - 11635			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012			Report No: 18			Daily Mud \$: 53,484		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 1,456,328		
			Survey:					
			Avg ROP: 58.1					
			Drig AFE \$: 4,174,500					
			Daily Mud \$: 1,965					
			Cum Mud \$: 39,449					

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 06:00	1.00	9,020	Int	Vert	Drill	TIH	Trip In Hole From 3000' To 5090'.		
06:00 07:00	1.00	9,020	Int	Vert	Drill	CIRC	Circulate Bottoms up @ 5090'.		
07:00 08:00	1.00	9,020	Int	Vert	Drill	RIG SERV	Service Rig and TDS Unit.		
08:00 09:00	1.00	9,020	Int	Vert	Drill	TIH	Trip In Hole From 5090' To 7175'.		
09:00 10:30	1.50	9,020	Int	Vert	Drill	CIRC	Lost Partial Ret's, Fill Drill String and Circulate Bottoms Up, Start @ Slow Rate and Stage Pumps Up and Take Check Shot		
10:30 11:30	1.00	9,020	Int	Vert	Drill	TIH	Trip In Hole From 7175' T/ 8,772'		
11:30 12:30	1.00	9,020	Int	Vert	Drill	DIR	Wash From 8,772' To 9,020' Taking Survey Ever 200'		
12:30 20:30	8.00	9,491	Int	Vert	Drill	DRILR	Drig F/ 9020' T/ 9,491'= 471' @ 58.87'/Hr., WOB: 25 - 30, GPM: 502, PPSI:2100, DIFF: 200, MRPM: 145, RPM: 30, Full Returns		
20:30 21:00	0.50	9,491	Int	Vert	Drill	REPS	Trouble Shoot Orbit Valve		
21:00 05:00	8.00	9,950	Int	Vert	Drill	DRILR	Drig F/ 9,491' T/ 9,950'= 459' @ 57.37'/Hr., WOB: 25 - 30, GPM: 502, PPSI:2100, DIFF: 200, MRPM: 145, RPM: 30, Full Returns		

MISCELLANEOUS DRILLING INFORMATION										HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO		Daily	Cum	Daily	Cum
	817/917/42			1						16.0	186.5		18.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
22-May-2012 12:30		28				1	1	9	6	94			0.5	99000			0/0	1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	930	16	58	30	30								
2/1	ULTERR	U713M		8.75	12/12/12/12/12/12	3950	104.5	38	13	24	1	1	NO	G	1	1	CT	DTF

SURVEYS										BHA COMPONENTS						
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len	
MWD	8,169	0.7	101.7	8,162	44	43	30	0.3		3		5.000	Drill Pipe		9,369.00	
MWD	8,349	0.1	154.9	8,342	43	44	29	0.4		3		6.375	XO Sub		3.59	
MWD	8,528	0.4	78.0	8,521	43	45	29	0.2		3		6.813	Drill Collar		427.86	
MWD	8,705	0.2	19.1	8,698	44	45	29	0.2		3		6.500	Stabilizer		6.10	
MWD	8,883	0.7	9.4	8,876	45	46	31	0.3		3		6.375	Drill Collar		30.39	
MWD	9,063	1.2	15.0	9,056	48	46	33	0.3		3		6.500	Stabilizer		5.83	
MWD	9,244	2.6	356.1	9,237	54	46	39	0.8		3		6.500	Drill Collar - Flex Monel		30.48	
MWD	9,424	2.0	275.9	9,417	58	43	44	1.7		3		6.313	NMDC		30.77	
MWD	9,604	2.5	274.0	9,596	59	36	46	0.3		3		6.375	UBHO Sub		3.30	
MWD	9,784	1.9	247.4	9,776	58	29	47	0.6		3		6.750	Shock Sub		11.56	

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	1990 3102 1498 2429					
SALT	4,888		Shows and Lithology: 90% Shale, 0% Sandstone, 10% Limestone.					
DELAWARE	5,098							
CHERRY CANYON	6,081							
BRUSHY CANYON	7,432							
BONE SPRING	8,634							

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
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Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 15			Rig Release:			For 5:00 AM 24-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 10,840			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Surface - 5070			Hole Made: 890			Drill Hrs: 23.00		
Next Casing: Planned Intermediate - 11635			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012			Report No: 19			Daily Well Cost \$: 58,496		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 1,514,823		
Survey:			Avg ROP: 38.7			Drig AFE \$: 4,174,500		
Daily Mud \$: 10,440			Cum Mud \$: 49,889					

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 14:00	9.00	10,392	Int	Vert	Drill	DRILR	Drig F/ 9950' T/ 10392'= 442' @ 49.1'/Hr., WOB: 25 - 30, GPM: 502, PPSI:2100, DIFF: 200, MRPM: 145, RPM: 30, Full Returns		
14:00 15:00	1.00	10,392	Int	Vert	Drill	RIG SERV	Service Rig and TDS Unit.		
15:00 05:00	14.00	10,840	Int	Vert	Drill	DRILR	Drig F/10,392' T/ 10,840'= 448' @ 32'/Hr., WOB: 25 - 30, GPM: 502, PPSI:2200, DIFF: 300, MRPM: 145, RPM: 35, Full Returns		

MISCELLANEOUS DRILLING INFORMATION										HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO		Daily	Cum	Daily	Cum
	817/917/42			1		285	300	270		23.0	209.5		18.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
23-May-2012 12:00	9.3	28				1	1	8	6	94			0.5					1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1820	39	47	28	33								
2/1	ULTERR	U713M		8.75	12/12/12/12/12/12	3950	104.5	38	13	24	1	1	NO	G	1	1	CT	DTF

SURVEYS										BHA COMPONENTS				
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item	Len
MWD	9,063	1.2	15.0							3		5.000	Drill Pipe	10,258.82
MWD	9,244	2.6	356.1	9,237	54	46	39	0.8		3		6.375	XO Sub	3.59
MWD	9,424	2.0	275.9	9,417	58	43	44	1.7		3		6.813	Drill Collar	427.86
MWD	9,604	2.5	274.0	9,596	59	36	46	0.3		3		6.500	Stabilizer	6.10
MWD	9,784	1.9	247.4	9,776	58	29	47	0.6		3		6.375	Drill Collar	30.39
MWD	9,965	1.6	219.3							3		6.500	Stabilizer	5.83
MWD	10,145	1.9	227.1							3		6.500	Drill Collar - Flex Monel	30.48
MWD	10,325	2.6	240.2							3		6.313	NMDC	30.77
MWD	10,505	2.4	241.0	10,497	43	9	39	0.1		3		6.375	UBHO Sub	3.30
MWD	10,685	2.6	255.0	10,677	40	2	38	0.4		3		6.750	Shock Sub	11.56

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY	Depth:Prog	Actual	Depth	Gas:Back	Max	Conn	Trip	Pres
			1399	2924	1208	0		
Form Name			Shows and Lithology: 10% Shale, 0% Sandstone, 90% Limestone.					
SALT	4,888							
DELAWARE	5,098							
CHERRY CANYON	6,081							
BRUSHY CANYON	7,432							
BONE SPRING	8,634							

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY	Depth:Prog	Actual	Depth	Gas:Back	Max	Conn	Trip	Pres
			1399	2924	1208	0		
Form Name			Shows and Lithology: 10% Shale, 0% Sandstone, 90% Limestone.					
SALT	4,888							
DELAWARE	5,098							
CHERRY CANYON	6,081							
BRUSHY CANYON	7,432							
BONE SPRING	8,634							

			3	5.000	Drill Pipe	10,258.82
			3	6.375	XO Sub	3.59
			3	6.813	Drill Collar	427.86
			3	6.500	Stabilizer	6.10
			3	6.375	Drill Collar	30.39
			3	6.500	Stabilizer	5.83
			3	6.500	Drill Collar - Flex Monel	30.48
			3	6.313	NMDC	30.77
			3	6.375	UBHO Sub	3.30
			3	6.750	Shock Sub	11.56
			3	6.563	Stabilizer	4.69
			3	6.750	Mud Motor - Bent Housing	25.61

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 16			Rig Release:			For 5:00 AM 25-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 10,889			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Surface - 5070			Hole Made: 49			Drill Hrs: 1.50		
Next Casing: Planned Intermediate - 11635			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012			Report No: 20			Daily Well Cost \$: 61,684		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 1,580,751		

OPERATIONS SUMMARY								
From	To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)
05:00	06:30	1.50	10,889	Int	Vert	Drill	DRILR	Drig F/10,840' T/ 10,889= 49' @ 32.66'/Hr., WOB: 25 - 30, GPM: 502, PPSI:2200, DIFF: 300, MRPM: 145, RPM: 35, Full Returns
06:30	10:00	3.50	10,889	Int	Curve	Drill	CIRC	Re-Cycle and Pump up Last Survey, Circulate and Sweep Hole Clean, Spot 75 BBLS Kill Mud In 9 5/8" Surface Casing and Slug Pipe.
10:00	17:00	7.00	10,889	Int	Curve	Drill	TOOH	TOOH F/ 10889' - 581'.
17:00	18:00	1.00	10,889	Int	Curve	Drill	RIG SERV	Service Rig
18:00	19:00	1.00	10,889	Int	Curve	Drill	TOOH	TOOH F/581' To Directional Tool
19:00	21:00	2.00	10,889	Int	Curve	Drill	LDBHA	Lay Down Directional BHA # 3
21:00	23:00	2.00	10,889	Int	Curve	Drill	PUBHA	Pick Up Directional BHA # 4. & Test MWD.
23:00	02:30	3.50	10,889	Int	Curve	Drill	PUDS	Strap 42 Joints of Curve Pipe. From 128' To 1453', Pump Drill Pipe Volume.
02:30	05:00	2.50	10,889	Int	Curve	Drill	TIH	TIH From 1,453, To 5,070'. Fill Pipe Every 30 Stands.

MISCELLANEOUS DRILLING INFORMATION										HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO		Daily	Cum	Daily	Cum
	817/917/42			1		285	300	270		1.5	211.0		18.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
24-May-2012 12:00	9.5	28				1	1	9	7.5	92.5			0.8	120000			0/0	1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1869	40.5	46	27	33	1	0	NO	A	1	0	NO	TD
2/1	ULTERR	U713M		8.75	12/12/12/12/12/12	3950	104.5	38	13	24	1	1	NO	G	1	1	CT	DTF

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len				
MWD	9,244	2.6	356.1	9,237	54	46	39	0.8		3		5.000	Drill Pipe		10,307.82				
MWD	9,424	2.0	275.9	9,417	58	43	44	1.7		3		6.375	XO Sub		3.59				
MWD	9,604	2.5	274.0	9,596	59	36	46	0.3		3		6.813	Drill Collar		427.86				
MWD	9,784	1.9	247.4	9,776	58	29	47	0.6		3		6.500	Stabilizer		6.10				
MWD	9,965	1.6	219.3							3		6.375	Drill Collar		30.39				
MWD	10,145	1.9	227.1							3		6.500	Stabilizer		5.83				
MWD	10,325	2.6	240.2							3		6.500	Drill Collar - Flex Monel		30.48				
MWD	10,505	2.4	241.0	10,497	43	9	39	0.1		3		6.313	NMDC		30.77				
MWD	10,685	2.6	255.0	10,677	40	2	38	0.4		3		6.375	UBHO Sub		3.30				
MWD	10,822	2.4	250.5							3		6.750	Shock Sub		11.56				
										3		6.563	Stabilizer		4.69				
										3		6.750	Mud Motor - Bent Housing		25.61				

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	95118328283575					
SALT	4,888		Shows and Lithology: 10% Shale, 0% Sandstone, 90% Limestone.					
DELAWARE	5,098							
CHERRY CANYON	6,081							
BRUSHY CANYON	7,432							
BONE SPRING	8,634							

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
405.879.7917 FAX

Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 17			Rig Release:			For 5:00 AM 26-May-2012		
District: PERMIAN		Objective: Bone Spring		Rig: Trinidad 102				
Depth: 11,054		RKB/GL EL: 25 / 2813		Survey:		Spud Date: 09-May-12		
Last Casing: Surface - 5070		Hole Made: 165		Avg ROP: 13.2		Drill Hrs: 12.50		
Next Casing: Planned Intermediate - 11635		AFE No: 170088		Drig AFE \$: 4,174,500		Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012		Report No: 21		Daily Mud \$:		Daily Well Cost \$: 45,493		
Projected TD: 15,000		Proj. Days: 35		Cum Mud \$: 60,873		Cum Well Cost \$: 1,642,071		

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 06:30	1.50	10,889	Int	Curve	Drill	CIRC	Circulate Bottoms Up and Test MWD Tools, 15' Flare For 20 Minutes		
06:30 08:00	1.50	10,889	Int	Curve	Drill	TIH	TIH From 5,070' To 8,028'		
08:00 10:00	2.00	10,889	Int	Curve	Drill	CIRC	Circulate Heavy Mud Out Of Hole, Partial Returns, Lost 50 Barrels Of Fluid, 10' Flare For 15 Minutes		
10:00 12:00	2.00	10,889	Int	Curve	Drill	TIH	TIH From 8,028' To 10,889' Filling Pipe Every 30 Stands, Washed Down Last 90'		
12:00 13:30	1.50	10,904	Int	Curve	Drill	DRILS	Drig Slide F/10,889' T/ 10,904'= 15' @ 15'/Hr., WOB: 25 - 30, GPM: 543, PPSI:1700, DIFF: 50, MRPM: 158, MTF: 343, Full Returns.		
13:30 14:30	1.00	10,904	Int	Curve	Drill	REPS	Trouble shoot MWD.		
14:30 17:00	2.50	10,946	Int	Curve	Drill	DRILS	Drig Slide F/10,904' T/ 10,946'= 42' @ 16.8'/Hr., WOB: 25 - 30, GPM: 543, PPSI:1700, DIFF: 50, MRPM: 158, MTF: 343, Full Returns.		
17:00 17:30	0.50	10,946	Int	Curve	Drill	RIG SERV	Service Rig		
17:30 23:00	5.50	11,020	Int	Curve	Drill	DRILS	Drig Slide F/10,946' T/ 11,020'= 74' @ 13.45'/Hr., WOB: 25 - 30, GPM: 502, PPSI:1850, DIFF: 50, MRPM: 145, MTF: 340, Full Returns.		
23:00 02:00	3.00	11,020	Int	Curve	Drill	CIRC	Flow Increased, Gained 10 Barrels, Pick Up Off Bottom, Shut In Annular, Circulated Gas Out		
02:00 05:00	3.00	11,054	Int	Curve	Drill	DRILS	Drig Slide F/11,020' T/ 11,054'= 34' @ 11.33'/Hr., WOB: 25 - 30, GPM:502, PPSI:1850, DIFF: 50, MRPM: 145, MTF: 340, Full Returns.		

MISCELLANEOUS DRILLING INFORMATION										HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO		Daily	Cum	Daily	Cum
	817/917/42			6							229.5	12.5	58.5

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
25-May-2012 12:00	9.4	28				1	1	9	7.1	92.9			1	110000			0/0	1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
4/1	STC	FH35VPS	537	8.75	18/18/18	750	59	13	28	16								
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1869	40.5	46	27	33	1	0	NO	A	1	0	NO	TD

SURVEYS										BHA COMPONENTS							
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item	Len			
MWD	10,145	1.9	227.1	10,137	51	21	43	0.2		4		5.000	Drill Pipe	11,511.00			
MWD	10,325	2.6	240.2							4	0	6.375	XO Sub	3.59			
MWD	10,505	2.4	241.0	10,497	43	9	39	0.1		4	0	6.500	Flex Joint	30.48			
MWD	10,685	2.6	255.0							4	0	6.750	Drill Collar - Non Mag	31.05			
MWD	10,822	2.4	250.5							4	0	6.313	Drill Collar - Non Mag	30.77			
MWD	10,851	2.6	254.5							4	0	6.375	UBHO Sub	3.30			
MWD	10,896	3.3	279.8	10,887	38	-7	39	3.2		4	0	6.375	Float Sub	2.98			
MWD	10,941	7.6	323.5	10,932	41	-10	42	12.6		4	0	6.875	Mud Motor	25.82			
MWD	10,986	14.2	338.2														
MWD	11,031	20.8	344.6	11,019	61	-18	64	15.4									

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	2817 3904 3904 3575					
SALT	4,888		Shows and Lithology: 20% Shale, 0% Sandstone, 80% Limestone.					
DELAWARE	5,098							
CHERRY CANYON	6,081							
BRUSHY CANYON	7,432							
BONE SPRING	8,634							

Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 18			Rig Release:			For 5:00 AM 27-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 11,385			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Surface - 5070			Hole Made: 331			Drill Hrs: 23.50		
Next Casing: Planned Intermediate - 11635			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012			Report No: 22			Daily Well Cost \$: 56,985		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 1,699,055		
Survey:			Avg ROP: 14.1			Drig AFE \$: 4,174,500		
Daily Mud \$: 7,506			Cum Mud \$: 68,379					

OPERATIONS SUMMARY									
From	To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)	
05:00	16:00	11.00	11,219	Int	Curve	Drill	DRILS	Drig Slide F/11,054' T/ 11,219'= 165' @ 15'/Hr., WOB: 25 - 30, GPM:502, PPSI:1850, DIFF: 50, MRPM: 145, MTF: 340, Full Returns.	
16:00	18:00	2.00	11,264	Int	Curve	Drill	DRILR	Drig F/11,219' T/ 11,264'= 45' @ 22.5'/Hr., WOB: 25 - 30, GPM: 502, PPSI:1900, DIFF: 100, MRPM: 145, RPM: 35, Full Returns	
18:00	18:30	0.50	11,264	Int	Curve	Drill	RIG SERV	Rig Service	
18:30	05:00	10.50	11,385	Int	Curve	Drill	DRILR	Drig F/11,264' T/ 11,385'= 121' @ 11.52'/Hr., WOB: 25 - 30, GPM: 502, PPSI:1900, DIFF: 100, MRPM: 145, RPM:35, Full Returns	

MISCELLANEOUS DRILLING INFORMATION										HRS ROTATING		HRS SLIDING	
Flare:	Dur	An	P	Ht	Hk Loads:		Rot	PU	SO	Daily	Cum	Daily	Cum
	817/917/42			1				300	275	12.5	229.5	11.0	58.5

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
27-May-2012 05:00	9.2	29		15.2		1	1	10	5.3	94.7			0.2	93000			0/0	1/1/
26-May-2012 12:00	9.3	29		30		1	1	7	6	94			0.3	102000			0/0	1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
4/1	STC	FH35VPS	537	8.75	18/18/18	750	59	13	28	16								
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1869	40.5	46	27	33	1	0	NO	A	1	0	NO	TD

SURVEYS										BHA COMPONENTS				
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item	Len
MWD	10,941	7.6	323.5	10,932	41	-10	42	12.6		4		5.000	Drill Pipe	11,511.00
MWD	10,986	14.2	338.2							4	0	6.375	XO Sub	3.59
MWD	11,031	20.8	344.6	11,019	61	-18	64	15.4		4	0	6.500	Flex Joint	30.48
MWD	11,075	28.1	346.8	11,059	79	-23	82	16.5		4	0	6.750	Drill Collar - Non Mag	31.05
MWD	11,121	35.2	347.8	11,098	102	-28	106	15.5		4	0	6.313	Drill Collar - Non Mag	30.77
MWD	11,166	42.7	347.8	11,133	130	-34	134	16.6		4	0	6.375	UBHO Sub	3.30
MWD	11,211	48.7	348.0							4	0	6.375	Float Sub	2.98
MWD	11,256	50.2	348.2	11,194	195	-48	200	3.3		4	0	6.875	Mud Motor	25.82
MWD	11,301	51.1	348.3	11,223	229	-55	235	2.0						
MWD	11,346	51.8	348.2	11,251	263	-62	270	1.6						

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	81024312431					
SALT	4,888		Shows and Lithology: 10% Shale, 80% Sandstone, 10% Limestone.					
DELAWARE	5,098							
CHERRY CANYON	6,081							
BRUSHY CANYON	7,432							
BONE SPRING	8,634							

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
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Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 19			Rig Release:			For 5:00 AM 28-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 11,639			RKB/GL EL: 25 / 2813			Survey:		
Last Casing: Surface - 5070			Hole Made: 254			Avg ROP: 11.0		
Next Casing:			AFE No: 170088			Drig AFE \$: 4,174,500		
BOP Tested: 05/15/2012			Report No: 23			Daily Mud \$: 9,621		
Projected TD: 15,000			Proj. Days: 35			Cum Mud \$: 78,000		
						Spud Date: 09-May-12		
						Drill Hrs: 23.00		
						Total AFE \$: 6,740,500		
						Daily Well Cost \$: 60,353		
						Cum Well Cost \$: 1,759,408		

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 06:00	1.00	11,399	Int	Curve	Drill	DRILR	Drig F/11,385' T/ 11,399'= 14' @ 14'/Hr., WOB: 25 - 30, GPM: 502, PPSI:1900, DIFF: 100, MRPM: 145, RPM:35, Full Returns. 5 -10 ft. flare.		
06:00 14:30	8.50	11,489	Int	Curve	Drill	DRILS	Drig Slide F/11,399' T/ 11,489'= 90' @ 10.58'/Hr., WOB: 25 - 30, GPM:502, PPSI:1850, DIFF: 50, MRPM: 145, MTF: 30L, Full Returns. 5 -10 ft. flare.		
14:30 16:00	1.50	11,512	Int	Curve	Drill	DRILR	Drig F/11,489' T/ 11,512'= 23' @ 15.33'/Hr., WOB: 25 - 30, GPM: 502, PPSI:1900, DIFF: 100, MRPM: 145, RPM:35, Full Returns. 5 -10 ft. flare.		
16:00 18:00	2.00	11,534	Int	Curve	Drill	DRILS	Drig Slide F/11,512' T/ 11,534'= 22' @ 11'/Hr., WOB: 40, GPM:502, PPSI:1850, DIFF: 50, MRPM: 145, MTF: 30L, Full Returns. 5 -10 ft. flare.		
18:00 19:00	1.00	11,552	Int	Curve	Drill	DRILR	Drig F/11,534' T/ 11,552'= 18' @ 18'/Hr., WOB: 20, GPM: 502, PPSI:1900, DIFF: 100, MRPM: 145, RPM:35, Full Returns. 5 -10 ft. flare.		
19:00 20:00	1.00	11,552	Int	Curve	Drill	RIG SERV	Service Rig		
20:00 00:00	4.00	11,579	Int	Curve	Drill	DRILS	Drig Slide F/11,552' T/ 11,579'= 27' @ 6.75'/Hr., WOB: 30, GPM:502, PPSI:1900, DIFF: 75, MRPM: 145, MTF: 30L, Full Returns.		
00:00 01:30	1.50	11,594	Int	Curve	Drill	DRILR	Drig Rotating F/11,579' T/ 11,594'= 15' @ 10'/Hr., WOB: 20, GPM: 502, PPSI:1900, DIFF: 50, MRPM: 145, RPM:35, Full Returns.		
01:30 02:00	0.50	11,609	Int	Curve	Drill	DRILS	Drig Slide F/11,594' T/ 11,609'= 15' @ 30'/Hr., WOB: 30, GPM:502, PPSI:1900, DIFF: 75, MRPM: 145, MTF: 15L, Full Returns.		
02:00 03:30	1.50	11,624	Int	Curve	Drill	DRILR	Drig Rotating F/11,609' T/ 11,624'= 15' @ 10'/Hr., WOB: 34, GPM: 545, PPSI:2250, DIFF: 100, MRPM: 157, RPM:35, Full Returns.		
03:30 05:00	1.50	11,639	Int	Curve	Drill	DRILS	Drig Slide F/11,624' T/ 11,639'= 15' @ 10'/Hr., WOB: 35, GPM:545, PPSI:2100, DIFF: 100, MRPM: 157, MTF: 15L, Full Returns.		

MISCELLANEOUS DRILLING INFORMATION								HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO	Daily	Cum	Daily	Cum
817/917/42			2		265	325	225	6.0	229.5	17.0	58.5

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
27-May-2012 05:00	9.2	29		15.2		1	1	10	5.3	94.7			0.2	93000			0/0	1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
4/1	STC	FH35VPS	537	8.75	18/18/18	750	59	13	28	16								
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1869	40.5	46	27	33	1	0	NO	A	1	0	NO	TD

SURVEYS										BHA COMPONENTS								
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item			Len		
MWD	11,166	42.7	347.8	11,133	130	-34	134	16.6		4		5.000	Drill Pipe			11,511.00		
MWD	11,211	48.7	348.0							4	0	6.375	XO Sub			3.59		
MWD	11,256	50.2	348.2	11,194	195	-48	200	3.3		4	0	6.500	Flex Joint			30.48		
MWD	11,301	51.1	348.3	11,223	229	-55	235	2.0		4	0	6.750	Drill Collar - Non Mag			31.05		
MWD	11,346	51.8	348.2	11,251	263	-62	270	1.6		4	0	6.313	Drill Collar - Non Mag			30.77		
MWD	11,391	52.8	348.3							4	0	6.375	UBHO Sub			3.30		
MWD	11,436	58.7	348.3							4	0	6.375	Float Sub			2.98		
MWD	11,481	65.5	347.6	11,325	373	-85	382	15.1		4	0	6.875	Mud Motor			25.82		
MWD	11,526	69.5	346.9	11,342	414	-94	424	8.9										
MWD	11,571	74.6	346.2	11,356	456	-104	466	11.4										

FORMATION TOPS				MUD LOG				Pore	
Target Form: HALEY				Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual		2667		4043	3471		
SALT	4,888			Shows and Lithology: 20% Shale, 80% Sandstone, 0% Limestone.					
DELAWARE	5,098								
CHERRY CANYON	6,081								
BRUSHY CANYON	7,432								
BONE SPRING	8,634								

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Chesapeake Operating, Inc.

Well ID: 644095

Well Name: UNIVERSITY 19-19 2H

Field: HALEY

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 20			Rig Release:			For 5:00 AM 29-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 11,759			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Intermediate - 11759			Hole Made: 120			Drill Hrs: 7.00		
Next Casing:			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012			Report No: 24			Daily Well Cost \$: 60,481		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 1,818,039		

OPERATIONS SUMMARY									
From	To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)	
05:00	07:30	2.50	11,671	Int	Curve	Drill	DRILR	Drig Rotating F/11,639' T/ 11,671'= 32' @ 12.8/Hr., WOB: 25-30, GPM: 545, PPSI:2250, DIFF: 100, MRPM: 157, RPM:35, 85%l Returns. Lost 20 bbls	
07:30	09:30	2.00	11,705	Int	Curve	Drill	DRILS	Drig Slide F/11,671' T/ 11,705'= 34' @ 17/Hr., WOB: 35, GPM:545, PPSI:2100, DIFF: 100, MRPM: 157, MTF: 20L, 90%l Returns. Lost 15 bbls.	
09:30	10:00	0.50	11,715	Int	Curve	Drill	DRILR	Drig Rotating F/11,705' T/ 11,715'= 10' @ 20/Hr., WOB: 25-30, GPM: 545, PPSI:2250, DIFF: 100, MRPM: 157, RPM:35, 90%l Returns. Lost 5 bbls	
10:00	11:30	1.50	11,749	Int	Curve	Drill	DRILS	Drig Slide F/11,715' T/ 11,749'= 34' @ 22.7/Hr., WOB: 35, GPM:545, PPSI:2100, DIFF: 100, MRPM: 157, MTF: 20L, 80%l Returns. Lost 25 bbls.	
11:30	12:00	0.50	11,759	Int	Curve	Drill	DRILS	Drig Rotating F/11,749' T/ 11,759'= 10' @ 20/Hr., WOB: 25-30, GPM: 545, PPSI:2250, DIFF: 100, MRPM: 157, RPM:35, 90%l Returns. Lost 5 bbls	
12:00	14:00	2.00	11,759	Int	Curve	Drill	CIRC	Pump sweep cir. hole clean.Full returns, 5-10 ft. flare	
14:00	16:00	2.00	11,759	Int	Curve	Drill	WIPE	Pump out of hole F/ 11,759' T/ 10,880', working pipe @ 11,550' T 11,400'.	
16:00	17:30	1.50	11,759	Int	Curve	Drill	CIRC	Cir. Bottoms up @ KOP. 15 ft flare, for 30 min.	
17:30	18:30	1.00	11,759	Int	Curve	Drill	TIH	TIH F/ 10,880' T/ 11,700' Washing and cleaning hole @ 11,550' T/ 11,690.	
18:30	20:00	1.50	11,759	Int	Curve	Drill	CIRC	Cir. gas out of hole @ 11,700'. 20 ft flare and 10 bbl. gain.	
20:00	20:30	0.50	11,759	Int	Curve	Drill	WIPE	Wash down F/ 11,700' T/ 11,759. 5-10 ft flare. Full Returns.	
20:30	23:00	2.50	11,759	Int	Curve	Drill	CIRC	Circulate And Pump Sweeps,.Spot Ecd Pill @ Shoe, Pump Slug, 70% Returns 2' T/ 5' Flare. Flow Check Well Static	
23:00	05:00	6.00	11,759	Int	Curve	Drill	LDDS	Lay Dn Drill Pipe F/ 11,759 T/ 6,790, Hole Taking Proper Fill.	

MISCELLANEOUS DRILLING INFORMATION										HRS ROTATING		HRS SLIDING	
Flare:	Dur	An	P	Ht	Hk Loads:		Rot	PU	SO	Daily	Cum	Daily	Cum
	817/917/42			3			265	335	235	3.5	233.0	3.5	62.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
28-May-2012 12:00	9.4	31		18.4		2	1	8	7.1	92.9			1.5	103000				1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
4/1	STC	FH35VPS	537	8.75	18/18/18	870	66	13	30	17								
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1869	40.5	46	27	33	1	0	NO	A	1	0	NO	TD

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len				
MWD	11,301	51.1	348.3	11,223	229	-55	235	2.0		4		5.000	Drill Pipe		11,630.00				
MWD	11,346	51.8	348.2	11,251	263	-62	270	1.6		4	0	6.375	XO Sub		3.59				
MWD	11,391	52.8	348.3	11,278	298	-69	306	2.2		4	0	6.500	Flex Joint		30.48				
MWD	11,436	58.7	348.3	11,304	335	-77	343	13.3		4	0	6.750	Drill Collar - Non Mag		31.05				
MWD	11,481	65.5	347.6	11,325	373	-85	382	15.1		4	0	6.313	Drill Collar - Non Mag		30.77				
MWD	11,526	69.5	346.9	11,342	414	-94	424	8.9		4	0	6.375	UBHO Sub		3.30				
MWD	11,571	74.6	346.2	11,356	456	-104	466	11.4		4	0	6.375	Float Sub		2.98				
MWD	11,616	77.9	346.4	11,366	498	-115	510	7.5		4	0	6.875	Mud Motor		25.82				
MWD	11,661	79.4	345.8	11,375	541	-125	554	3.6											
MWD	11,706	84.9	346.1	11,381	584	-136	599	12.3											

FORMATION TOPS				MUD LOG					Pore
Target Form: HALEY				Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual		199229373507					
SALT	4,888			Shows and Lithology: 30% Shale, 70 % Sand Stone					
DELAWARE	5,098								
CHERRY CANYON	6,081								
BRUSHY CANYON	7,432								
BONE SPRING	8,634								

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
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Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 21			Rig Release:			For 5:00 AM 30-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 11,759			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Intermediate - 11759			Hole Made: 0			Drill Hrs: 0		
Next Casing:			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012			Report No: 25			Daily Well Cost \$: 92,346		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 1,916,998		
			Survey:					
			Avg ROP: 0					
			Drig AFE \$: 4,174,500					
			Daily Mud \$: 11,451					
			Cum Mud \$: 93,743					

OPERATIONS SUMMARY									
From	To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)	
05:00	07:00	2.00	11,759	Int	Curve	Drill	PULD	Lay Dn Drill Pipe F/ 6,790' T/ 4,990', Hole Taking Proper Fill. Flow check (OK).	
07:00	08:30	1.50	11,759	Int	Curve	Drill	CUTDL	Slip and Cut 88' of drill line. Monitoring well. (OK).	
08:30	09:00	0.50	11,759	Int	Curve	Drill	RIG SERV	Service Rig.	
09:00	09:30	0.50	11,759	Int	Curve	Drill	TOPSVC	Service Top Drive	
09:30	12:30	3.00	11,759	Int	Curve	Drill	PULD	Lay Dn Drill Pipe F/ 4,990' T/ 1,380', Hole Taking Proper Fill. Flow check (OK).	
12:30	13:30	1.00	11,759	Int	Curve	Drill	BOPO	Remove roating rubber and install trip nipple. Well Static.	
13:30	15:00	1.50	11,759	Int	Curve	Drill	PULD	Lay Dn Drill Pipe F/ 1,380' T/ 980', Hole Taking Proper Fill. Flow check (OK). R/D Power tongs.	
15:00	15:30	0.50	11,759	Int	Curve	Drill	PULD	Lay Dn Drill Pipe F/ 980' T/ 120', Hole Taking Proper Fill.	
15:30	16:30	1.00	11,759	Int	Curve	Drill	TIH	Trip In Hole With 6.5" Drill Collars F/120 T/ 700.	
16:30	20:00	3.50	11,759	Int	Curve	Drill	LDBHA	Lay Dn, 6.5" Drill Collars, Directional, Bha, Hole Took Proper Fill	
20:00	21:30	1.50	11,759	Int	Curve	Drill	BOPO	Pull Wear Bushing, Clear Off Floor	
21:30	23:00	1.50	11,759	Int	Curve	Drill	BOPO	Change Out Pipe Rams Install 7" Pipe Rams	
23:00	00:00	1.00	11,759	Int	Curve	Drill	REPS	H2S Alarm Sounded, Crews Evacuated To Muster Area, No H2S Found Present On Location, Found Relay In Monitor Causing Alarm To Sound,	
00:00	01:30	1.50	11,759	Int	Curve	Drill	BOPO	Tighten Ram Doors, Test Doors To 1,000 Psi (Test Good)	
01:30	04:00	2.50	11,759	Int	Curve	Csg	RURD	Hpjism, Rig Byrd's Casing, Bells, Elevators, Spyders, Stabbing Board, Torque Turn.	
04:00	05:00	1.00	11,759	Int	Curve	Csg	CASE	Hpjism, Make Up Float Equipment And Test Floats, Run 7" P-110, 29 LB CDC Casing To 320'	

MISCELLANEOUS DRILLING INFORMATION										HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO		Daily	Cum	Daily	Cum
	817/917/42			0							233.0		62.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
29-May-2012 11:30	9.5	31	25		1	2	1	7	7.5	92.5			1.8	103000				1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
4/1	STC	FH35VPS	537	8.75	18/18/18	870	66	13	30	17		0	NO	C	1	1	NO	TD
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1869	40.5	46	27	33	1	0	NO	A	1	0	NO	TD

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD		NS	EW	VS	DLS	Str	Qty	O.D.	Item		Len				
MWD	11,301	51.1	348.3	11,223		229	-55	235	2.0	4		5.000	Drill Pipe		11,630.00				
MWD	11,346	51.8	348.2							4	0	6.375	XO Sub		3.59				
MWD	11,391	52.8	348.3							4	0	6.500	Flex Joint		30.48				
MWD	11,436	58.7	348.3							4	0	6.750	Drill Collar - Non Mag		31.05				
MWD	11,481	65.5	347.6							4	0	6.313	Drill Collar - Non Mag		30.77				
MWD	11,526	69.5	346.9							4	0	6.375	UBHO Sub		3.30				
MWD	11,571	74.6	346.2	11,356		456	-104	466	11.4	4	0	6.375	Float Sub		2.98				
MWD	11,616	77.9	346.4	11,366		498	-115	510	7.5	4	0	6.875	Mud Motor		25.82				
MWD	11,661	79.4	345.8																
MWD	11,706	84.9	346.1	11,381		584	-136	599	12.3										

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT		4,888						
DELAWARE		5,098						
CHERRY CANYON		6,081						
BRUSHY CANYON		7,432						
BONE SPRING		8,634						

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
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Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 22			Rig Release:			For 5:00 AM 31-May-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 11,759			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Intermediate - 11759			Hole Made: 0			Drill Hrs: 0		
Next Casing:			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012			Report No: 26			Daily Well Cost \$: 482,415		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 2,399,413		

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 06:00	1.00	11,759	Int	Curve	Csg	REPS	Repair casing elevators and fill tool, Elevators would not release due to Fill Tool Packer wedging in pipe.		
06:00 13:30	7.50	11,759	Int	Curve	Csg	CASE	Run 7" P-110, 29 LB CDC Casing F/ 320' T/ 5028'		
13:30 15:00	1.50	11,759	Int	Curve	Csg	REPS	Byrd Casing Tonges And Torque Turn Not Working Properly. Trouble Shoot And Change Out.		
15:00 00:30	9.50	11,759	Int	Curve	Csg	CASE	Run 7" P-110, 29 LB CDC Casing F/ 5028' T/ 11,635'		
00:30 01:30	1.00	11,759	Int	Curve	Csg	WASH	Wash casing F/ 11,635' T/ 11,759'.		
01:30 03:00	1.50	11,759	Int	Curve	Csg	CIRCULATE	Circulate with rig pump, R/D Byrd casing crew and L/D truck. PJSM with Halliburton and rig crew on cementing casing.		
03:00 05:00	2.00	11,759	Int	Curve	Csg	CMTP	Pump 20 bbls FW Spacer, 267 BBLS (610 sx) 11.8 PPG - 2.57 YLD. Lead Cem, 64BBLS (320 sx) 16 PPG - 1.13 YLD. Tail Cem, And Displ W/ 433 bbls system mud		

MISCELLANEOUS DRILLING INFORMATION									HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO		Daily	Cum	Daily	Cum
817/917/42										233.0		62.0

MUD REPORTS																			
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels	
30-May-2012 14:30	9.4	30		24		2	1	8	6.7	93.3			0.8	105000				1/1/	

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
4/1	STC	FH35VPS	537	8.75	18/18/18	870	66	13	30	17		0	NO	C	1	1	NO	TD
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1869	40.5	46	27	33	1	0	NO	A	1	0	NO	TD

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len				
MWD	11,301	51.1	348.3	11,223	229	-55	235	2.0		4		5.000	Drill Pipe		11,630.00				
MWD	11,346	51.8	348.2	11,251	263	-62	270	1.6		4	0	6.375	XO Sub		3.59				
MWD	11,391	52.8	348.3	11,278	298	-69	306	2.2		4	0	6.500	Flex Joint		30.48				
MWD	11,436	58.7	348.3	11,304	335	-77	343	13.3		4	0	6.750	Drill Collar - Non Mag		31.05				
MWD	11,481	65.5	347.6	11,325	373	-85	382	15.1		4	0	6.313	Drill Collar - Non Mag		30.77				
MWD	11,526	69.5	346.9	11,342	414	-94	424	8.9		4	0	6.375	UBHO Sub		3.30				
MWD	11,571	74.6	346.2	11,356	456	-104	466	11.4		4	0	6.375	Float Sub		2.98				
MWD	11,616	77.9	346.4	11,366	498	-115	510	7.5		4	0	6.875	Mud Motor		25.82				
MWD	11,661	79.4	345.8	11,375	541	-125	554	3.6											
MWD	11,706	84.9	346.1	11,381	584	-136	599	12.3											

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT		4,888						
DELAWARE		5,098						
CHERRY CANYON		6,081						
BRUSHY CANYON		7,432						
BONE SPRING		8,634						

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
405.879.7917 FAX

Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 23			Rig Release:			For 5:00 AM 01-Jun-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 11,759			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Intermediate - 11759			Hole Made: 0			Drill Hrs: 0		
Next Casing:			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/15/2012			Report No: 27			Daily Well Cost \$: 105,444		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 2,504,857		

OPERATIONS SUMMARY									
From	To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)	
05:00	05:30	0.50	11,759	Int	Curve	Csg	CMTF	Pump 20 bbls FW Spacer, 267 BBLS (610 sx) 11.8 PPG - 2.57 YLD. Lead Cem, 64.4 BBLS (320 sx) 16 PPG - 1.13 YLD. Tail Cem, And Displ W/ 433. bbls FW To Bump Plug And Hold 1720 PSI, Check Floats Bleed Back 2Bbl (OK). Flush Lines, Rig Down Halliburton,	
05:30	06:00	0.50	11,759	Int	Curve	Csg	RURD	W.O.C. Shut In Well While Rigging Down slips, Stabing Board, And Rigging Up Nipple Down Crew	
06:00	08:30	2.50	11,759	Int	Curve	Csg	WOC	Open Choke, Flow Check Well Flowing,	
08:30	09:00	0.50	11,759	Int	Curve	Csg	EVAL	Bull Head 100Bbl Of 11.5# Kill Flow Check No Flow.	
09:00	10:00	1.00	11,759	Int	Curve	Csg	EVAL	Hpjsm, W/ Monahans Nipple Up Crew. Nippled Dn. Dsa, Raised B.o.p.Set Slips 325k String Wt. Cut Casing	
10:00	14:00	4.00	11,759	Int	Curve	Csg	BOPND	Nipple Up B Section, Test Well Head W/ Sunbelt Rep. T/ 2500 Psi F/ 10 Min (Good)	
14:00	15:00	1.00	11,759	Int	Curve	Csg	BOPNU	Nipple Up Bop,Choke Line Flow, Line.C/O Orbit Valve, C/O Pipe Rams., Install Mouse Hole, Put Bells, Elevators, On,	
15:00	22:00	7.00	11,759	Int	Curve	Csg	BOPNU	Hpjsm, With Monahans, Bop Tester, R/u Tester, Install Test Plug, Test Pipes, Mud Cross Leaking.Tighten Studs	
22:00	23:00	1.00	11,759	Int	Curve	Csg	BOPT	Test BOP's, Choke Manifold, Blinds, Upper & Lower Rams, Inner,Outer, Kill Valves& Check Valve, Inner Outer, Choke Valves, Floor Valves, 250 Lo, 10000 Hi. OK, Full Koomey Test OK, Rot Head 250 Lo, 1000 Hi. Ann. 250 Low, 3500 High. OK.	
23:00	05:00	6.00	11,759	Int	Curve	Csg	BOPT		

MISCELLANEOUS DRILLING INFORMATION									HRS ROTATING		HRS SLIDING		
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO		Daily	Cum	Daily	Cum	
817/917/42											233.0		62.0

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
31-May-2012 12:00	9.4	30		22	1	2	1	9	6.7	93.3			1	102000				1/1/

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
4/1	STC	FH35VPS	537	8.75	18/18/18	870	66	13	30	17			0	C	1	1	NO	TD
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1869	40.5	46	27	33	1	0	NO	A	1	0	NO	TD

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len				
MWD	11,301	51.1	348.3	11,223	229	-55	235	2.0		4		5.000	Drill Pipe		11,630.00				
MWD	11,346	51.8	348.2	11,251	263	-62	270	1.6		4	0	6.375	XO Sub		3.59				
MWD	11,391	52.8	348.3	11,278	298	-69	306	2.2		4	0	6.500	Flex Joint		30.48				
MWD	11,436	58.7	348.3	11,304	335	-77	343	13.3		4	0	6.750	Drill Collar - Non Mag		31.05				
MWD	11,481	65.5	347.6	11,325	373	-85	382	15.1		4	0	6.313	Drill Collar - Non Mag		30.77				
MWD	11,526	69.5	346.9	11,342	414	-94	424	8.9		4	0	6.375	UBHO Sub		3.30				
MWD	11,571	74.6	346.2	11,356	456	-104	466	11.4		4	0	6.375	Float Sub		2.98				
MWD	11,616	77.9	346.4	11,366	498	-115	510	7.5		4	0	6.875	Mud Motor		25.82				
MWD	11,661	79.4	345.8	11,375	541	-125	554	3.6											
MWD	11,706	84.9	346.1	11,381	584	-136	599	12.3											

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT		4,888						
DELAWARE		5,098						
CHERRY CANYON		6,081						
BRUSHY CANYON		7,432						
BONE SPRING		8,634						

CHESAPEAKE OPERATING, INC.
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405.848.8000
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Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 24			Rig Release:			For 5:00 AM 02-Jun-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 11,759			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Intermediate - 11759			Hole Made: 0			Drill Hrs: 0		
Next Casing:			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/31/2012			Report No: 28			Daily Well Cost \$: 73,218		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 2,578,075		
Survey:			Avg ROP: 0			Drig AFE \$: 4,174,500		
			Daily Mud \$: 24,510			Cum Mud \$: 123,692		

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00	06:00	1.00	11,759	Int	Curve	Csg	BOPT Finish testing Rot Head 250 Lo, 1000 Hi. Ann. 250 Low, 3500 High. OK.		
06:00	06:30	0.50	11,759	Int	Curve	Csg	BOPT R/D Monahans BOP testers		
06:30	08:00	1.50	11,759	Int	Curve	Csg	BOPO Install wear bushing, check all packing gland nuts,close 2" casing valve,install pressure gauge,line up choke manifold		
08:00	09:00	1.00	11,759	Int	Curve	Csg	ELEVCHNG Install bails & elevators,dress TDS-11 (grabber dies & stabbing guide)		
09:00	10:30	1.50	11,759	Int	Curve	Csg	LOCALBHA Lay out & strap BHA & 4" DP		
10:30	11:00	0.50	11,759	Int	Curve	Csg	RIG SERV Service Rig		
11:00	11:30	0.50	11,759	Int	Curve	Csg	TOPSVC Service Top Drive		
11:30	05:00	17.50	11,759	Int	Curve	Csg	REPR Change Out Baylor Brake And High Drum Clutch On Drawworks With NOV Technicians.		

MISCELLANEOUS DRILLING INFORMATION									HRS ROTATING		HRS SLIDING		
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO		Daily	Cum	Daily	Cum	
817/917/42										233.0		62.0	

MUD REPORTS																			
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels	
01-Jun-2012 17:00	12.3	36		12	2	13	8	8	17.8	82.2			2	98000				4/6/	

BIT INFORMATION						BIT RUN		REPORT			GRADING								
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull	
4/1	STC	FH35VPS	537	8.75	18/18/18	870	66	13	30	17			0	NO	C	1	1	NO	TD
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1869	40.5	46	27	33	1	0	NO	A	1	0	NO	TD	

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len				
MWD	11,301	51.1	348.3	11,223	229	-55	235	2.0		4		5.000	Drill Pipe		11,630.00				
MWD	11,346	51.8	348.2	11,251	263	-62	270	1.6		4	0	6.375	XO Sub		3.59				
MWD	11,391	52.8	348.3	11,278	298	-69	306	2.2		4	0	6.500	Flex Joint		30.48				
MWD	11,436	58.7	348.3	11,304	335	-77	343	13.3		4	0	6.750	Drill Collar - Non Mag		31.05				
MWD	11,481	65.5	347.6	11,325	373	-85	382	15.1		4	0	6.313	Drill Collar - Non Mag		30.77				
MWD	11,526	69.5	346.9	11,342	414	-94	424	8.9		4	0	6.375	UBHO Sub		3.30				
MWD	11,571	74.6	346.2	11,356	456	-104	466	11.4		4	0	6.375	Float Sub		2.98				
MWD	11,616	77.9	346.4	11,366	498	-115	510	7.5		4	0	6.875	Mud Motor		25.82				
MWD	11,661	79.4	345.8	11,375	541	-125	554	3.6											
MWD	11,706	84.9	346.1	11,381	584	-136	599	12.3											

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT		4,888						
DELAWARE		5,098						
CHERRY CANYON		6,081						
BRUSHY CANYON		7,432						
BONE SPRING		8,634						

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
405.879.7917 FAX

Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 25			Rig Release:			For 5:00 AM 03-Jun-2012		
District: PERMIAN		Objective: Bone Spring		Rig: Trinidad 102				
Depth: 11,759		RKB/GL EL: 25 / 2813		Survey:		Spud Date: 09-May-12		
Last Casing: Intermediate - 11759		Hole Made: 0		Avg ROP: 0		Drill Hrs: 0		
Next Casing:		AFE No: 170088		Drig AFE \$: 4,174,500		Total AFE \$: 6,740,500		
BOP Tested: 05/31/2012		Report No: 29		Daily Mud \$: 9,239		Daily Well Cost \$: 55,503		
Projected TD: 15,000		Proj. Days: 35		Cum Mud \$: 132,931		Cum Well Cost \$: 2,633,577		

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00	06:00	1.00	11,759	Int	Curve	Csg REPR	Working On Baylor Brake On Draw Works With NOV Technicians. Baylor Break Coupler Not Aligning		
06:00	11:00	5.00	11,759	Int	Curve	Csg REPR	Wait On Crane To Remove Baylor Brake And Pedestal. (level derrick)		
11:00	13:30	2.50	11,759	Int	Curve	Csg REPR	Remove Baylor brake w/ crane. remove mounting brackets & send to machine shop to be machined down 9/16" of an inch.		
13:30	23:00	9.50	11,759	Int	Curve	Csg REPR	Wait on brackets to return from machine shop. (Change out clipper oil seals on #1 mud pump)		
23:00	05:00	6.00	11,759	Int	Curve	Csg REPR	Install Mounting Brackets, Set Baylor Brake W/ Crane, Shim And Align Baylor Brake, Wire Up, And Plumb In Lines, Modify And Install spear.		

MISCELLANEOUS DRILLING INFORMATION									HRS ROTATING		HRS SLIDING		
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO		Daily	Cum	Daily	Cum	
817/917/42										233.0		62.0	

MUD REPORTS																			
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels	
02-Jun-2012 18:00	12.5	38		14	2	14	8	8	18	82			0.7	100000				4/6/	

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
4/1	STC	FH35VPS	537	8.75	18/18/18	870	66	13	30	17		0	NO	C	1	1	NO	TD
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1869	40.5	46	27	33	1	0	NO	A	1	0	NO	TD

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len				
MWD	11,301	51.1	348.3	11,223	229	-55	235	2.0		4		5.000	Drill Pipe		11,630.00				
MWD	11,346	51.8	348.2	11,251	263	-62	270	1.6		4	0	6.375	XO Sub		3.59				
MWD	11,391	52.8	348.3	11,278	298	-69	306	2.2		4	0	6.500	Flex Joint		30.48				
MWD	11,436	58.7	348.3							4	0	6.750	Drill Collar - Non Mag		31.05				
MWD	11,481	65.5	347.6	11,325	373	-85	382	15.1		4	0	6.313	Drill Collar - Non Mag		30.77				
MWD	11,526	69.5	346.9	11,342	414	-94	424	8.9		4	0	6.375	UBHO Sub		3.30				
MWD	11,571	74.6	346.2	11,356	456	-104	466	11.4		4	0	6.375	Float Sub		2.98				
MWD	11,616	77.9	346.4							4	0	6.875	Mud Motor		25.82				
MWD	11,661	79.4	345.8	11,375	541	-125	554	3.6											
MWD	11,706	84.9	346.1	11,381	584	-136	599	12.3											

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT		4,888						
DELAWARE		5,098						
CHERRY CANYON		6,081						
BRUSHY CANYON		7,432						
BONE SPRING		8,634						

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 26			Rig Release:			For 5:00 AM 04-Jun-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 11,759			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Intermediate - 11759			Hole Made: 0			Drill Hrs: 0		
Next Casing:			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/31/2012			Report No: 30			Daily Well Cost \$: 59,237		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 2,692,815		

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 09:30	4.50	11,759	Int	Curve	Csg	REPR	Install Baylor Brake Spear, Hook Up water & air Lines (check for leaks) Test clutch & brake (OK) Put Guards in place.		
09:30 11:00	1.50	11,759	Int	Curve	Csg	PUBHA	P/U Directional BHA #5,Scribe motor, surface test motor & MWD (OK)		
11:00 15:00	4.00	11,759	Int	Curve	Csg	PUDS	P/U 4" DP F/ 129' T/ 2,955' filling pipe every 90 jts.		
15:00 16:00	1.00	11,759	Int	Curve	Csg	RUSVC	HPJSM; Rig up lay down truck		
16:00 18:00	2.00	11,759	Int	Curve	Csg	PUDS	P/U 4" DP F/ 2,955' T/ 4365' filling pipe every 90 jts.		
18:00 18:30	0.50	11,759	Int	Curve	Csg	TOPSVC	Service Top Drive		
18:30 19:30	1.00	11,759	Int	Curve	Csg	RUSVC	Hpjism, Rig Up Power Tongs,		
19:30 23:30	4.00	11,759	Int	Curve	Csg	PUDS	P/U 4" DP F/ 4365 T/ 7,300' Filling Every 90 Jts.		
23:30 00:30	1.00	11,759	Int	Curve	Csg	REPS	Problems W/ Lay Dn Truck Traugh Hanging Up On Beaver Slide, Re -Set Flag Pole In Mouse Hole, Adjust, Rear Sheave On lay Down Truck,		
00:30 02:30	2.00	11,759	Int	Curve	Csg	PUDS	P/U 4" DP F/ 7,300' T/ 8615' Filling Every 90 Jts.		
02:30 03:30	1.00	11,759	Int	Curve	Csg	BOPO	Remove Trip Nipple, Install rotating Rubber.		
03:30 05:00	1.50	11,759	Int	Curve	Csg	PUDS	P/U 4" DP F/ 8,615' T/ 10,328' Filling Every 90 Jts.		

MISCELLANEOUS DRILLING INFORMATION									HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO		Daily	Cum	Daily	Cum
817/917/42										233.0		62.0

MUD REPORTS																			
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels	
03-Jun-2012 12:00	12.5	43		8	3	15	8	9	17.8	82.2			0.8	98000				6/8/	

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
4/1	STC	FH35VPS	537	8.75	18/18/18	870	66	13	30	17		0	NO	C	1	1	NO	TD
3/1	ULTERR	U713M		8.75	12/12/12/12/12/12	1869	40.5	46	27	33	1	0	NO	A	1	0	NO	TD

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len				
MWD	11,301	51.1	348.3							4		5.000	Drill Pipe		11,630.00				
MWD	11,346	51.8	348.2							4	0	6.375	XO Sub		3.59				
MWD	11,391	52.8	348.3	11,278	298	-69	306	2.2		4	0	6.500	Flex Joint		30.48				
MWD	11,436	58.7	348.3	11,304	335	-77	343	13.3		4	0	6.750	Drill Collar - Non Mag		31.05				
MWD	11,481	65.5	347.6							4	0	6.313	Drill Collar - Non Mag		30.77				
MWD	11,526	69.5	346.9							4	0	6.375	UBHO Sub		3.30				
MWD	11,571	74.6	346.2							4	0	6.375	Float Sub		2.98				
MWD	11,616	77.9	346.4	11,366	498	-115	510	7.5		4	0	6.875	Mud Motor		25.82				
MWD	11,661	79.4	345.8	11,375	541	-125	554	3.6											
MWD	11,706	84.9	346.1	11,381	584	-136	599	12.3											

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT		4,888						
DELAWARE		5,098						
CHERRY CANYON		6,081						
BRUSHY CANYON		7,432						
BONE SPRING		8,634						

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 27

Rig Release:

For 5:00 AM 05-Jun-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 12,126	RKB/GL EL: 25 / 2813	Avg ROP: 26.2	Spud Date: 09-May-12
Last Casing: Intermediate - 11759	Hole Made: 367	Drig AFE \$: 4,174,500	Drill Hrs: 14.00
Next Casing:	AFE No: 170088	Daily AFE \$: 14,280	Total AFE \$: 6,740,500
BOP Tested: 05/31/2012	Report No: 31	Cum Mud \$: 159,649	Daily Well Cost \$: 60,432
Projected TD: 15,000	Proj. Days: 35		Cum Well Cost \$: 2,753,246

OPERATIONS SUMMARY												
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)					
05:00 07:00	2.00	11,759	Int	Curve	Csg	PUDS	P/U 4" DP F/ 10,328' T/ 11,584' Tag cement					
07:00 09:00	2.00	11,759	Int	Curve	Csg	CIRC	Break circulation, Displace hole w/ 12.5 polymer mud.					
09:00 09:30	0.50	11,759	Int	Curve	Csg	CTEST	Test Casing to EMW 15#, with 12.5ppg-1479 psi, 30 min OK.					
09:30 12:30	3.00	11,759	Int	Curve	Csg	CMTD	Drill Cement and Float Shoe Track 11584' - 11759'.					
12:30 13:00	0.50	11,769	Int	Curve	Csg	DRILR	Drill 10' New Form 11759' - 11769', 10' @ 20 F/Hr, WOB: 10, GPM: 200, Diff: 300, MRPM 104, RPM: 20, Full Ret's.					
13:00 13:30	0.50	11,769	Int	Curve	Csg	CIRC	Circ and Cond Mud.					
13:30 14:00	0.50	11,769	Int	Curve	Csg	FIT	FIT Test @ 11769' To EMW 14.5 ppg w/ 12.5 ppg, 1183 psi, 30 Min OK.					
14:00 15:30	1.50	11,807	Prod	Lat	Drill	DRILR	Drill 11769' - 11807', 38' @ 25.3 F/Hr, WOB: 10, GPM: 200, Diff: 300, MRPM 104, RPM: 20, Full Ret's.					
15:30 16:30	1.00	11,807	Prod	Lat	Drill	RIG SERV	Service Rig and TDS Unit.					
16:30 18:30	2.00	11,869	Prod	Lat	Drill	DRILR	Drill 11,807' - 11,869' = 62' @ 31 F/Hr, WOB: 15-25, GPM: 210, Diff: 300, MRPM 109, RPM: 50, Full Ret's.					
18:30 20:30	2.00	11,884	Prod	Lat	Drill	DRILS	Slide Drill 11,869' - 11,884' = 15' @ 7.5 FPH, WOB= 15-25, GPM= 247, DIFF=200, MRPM=128, TF- 150L					
20:30 00:00	3.50	12,026	Prod	Lat	Drill	DRILR	Drill 11,884' - 12,026' = 142' @ 40.6 F/Hr, WOB: 15-25, GPM: 247, Diff: 400, MRPM= 128, RPM: 50, Full Ret's.					
00:00 01:00	1.00	12,036	Prod	Lat	Drill	DRILS	Slide Drill 12,026' - 12,036' = 10' @ 10 FPH, WOB= 15-25, GPM= 247, DIFF=200, MRPM=128, TF- 90L					
01:00 04:00	3.00	12,121	Prod	Lat	Drill	DRILR	Drill 12,036' - 12,121' = 85' @ 28.3 F/Hr, WOB: 15-25, GPM: 247, Diff: 400, MRPM= 128, RPM: 50, Full Ret's.					
04:00 04:30	0.50	12,121	Prod	Lat	Drill	REPS	Trouble Shoot MWD, Problem getting tool in sync					
04:30 05:00	0.50	12,126	Prod	Lat	Drill	DRILS	Slide Drill 12,121' - 12,126' = 5' @ 10 FPH, WOB= 15-25, GPM= 247, DIFF=200, MRPM=128, TF- 30L					

MISCELLANEOUS DRILLING INFORMATION									HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO	Daily	Cum	Daily	Cum
817/917/42									11.0	244.0	3.0	65.0

MUD REPORTS															
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM
04-Jun-2012 22:00	12.5	39		18	2	8	7	11.5	18	82			0.9	104000	ES

BIT INFORMATION						BIT RUN		REPORT			GRADING					
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge
5/1	STC	MD711		6.13		16/16/16	367	14	26	19	30					
4/1	STC	FH35VPS	537	8.75		18/18/18	870	66	13	30	17	0	NO	C	1	NO

SURVEYS										BHA COMPONENTS					
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len
MWD	11,526	69.5	346.9	11,342	414	-94	424	8.9		5	387	4.000	Drill Pipe		11,997.28
MWD	11,571	74.6	346.2	11,356	456	-104	466	11.4		5	1	5.063	XO Sub		2.48
MWD	11,616	77.9	346.4	11,366	498	-115	510	7.5		5	1	4.188	Non Mag Flex Sub		30.80
MWD	11,661	79.4	345.8	11,375	541	-125	554	3.6		5	1	4.500	NMDC		31.13
MWD	11,706	84.9	346.1	11,381	584	-136	599	12.3		5	1	5.875	Stabilizer		4.81
MWD	11,784	91.0	346.8	11,384	660	-154	677	7.8		5	1	4.500	NMDC		31.14
MWD	11,815	91.1	346.3	11,384	690	-162	708	1.5		5	1	4.188	UBHO Sub		3.01
MWD	11,846	91.1	346.3	11,383	720	-169	738	0.3		5	1	4.750	Mud Motor - Bent Housing		24.60
MWD	11,941	89.4	344.8	11,383	812	-193	833	2.4							
MWD	12,035	87.7	345.0	11,385	903	-217	927	1.9							

FORMATION TOPS				MUD LOG					Pore
Target Form: HALEY				Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:						
SALT		4,888							
DELAWARE		5,098							
CHERRY CANYON		6,081							
BRUSHY CANYON		7,432							
BONE SPRING		8,634							

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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 28

Rig Release:

For 5:00 AM 06-Jun-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 12,537	RKB/GL EL: 25 / 2813	Avg ROP: 19.6	Spud Date: 09-May-12
Last Casing: Intermediate - 11759	Hole Made: 411	Drig AFE \$: 4,174,500	Drill Hrs: 21.00
Next Casing:	AFE No: 170088	Daily AFE \$: 11,380	Total AFE \$: 6,740,500
BOP Tested: 05/31/2012	Report No: 32	Cum Mud \$: 171,029	Daily Well Cost \$: 67,231
Projected TD: 15,000	Proj. Days: 35		Cum Well Cost \$: 2,838,381

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 06:00	1.00	12,136	Prod	Lat	Drill	DRILS	Slide Drill 12,126' - 12,136' = 5' @ 10 FPH, WOB= 15-25, GPM= 247, DIFF=200, MRPM=128, TF- 30L		
06:00 08:00	2.00	12,183	Prod	Lat	Drill	DRILR	Drill 12,136' - 12,183' = 47' @ 23.5 FPH, WOB: 10-15, GPM: 247, Diff: 400, MRPM= 128, RPM: 50, Full Ret's.		
08:00 10:00	2.00	12,198	Prod	Lat	Drill	DRILS	Slide Drill 12,183' - 12,198' = 15' @ 7.5 FPH, WOB= 10-25, GPM= 247, DIFF=200, MRPM=128, TF- 45L		
10:00 12:30	2.50	12,278	Prod	Lat	Drill	DRILR	Drill 12,198' - 12,278' = 80' @ 32 FPH, WOB: 15-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 50, Full Ret's.		
12:30 13:30	1.00	12,278	Prod	Lat	Drill	RIG SERV	Service Rig and TDS Unit.		
13:30 15:30	2.00	12,292	Prod	Lat	Drill	DRILS	Slide Drill 12,278' - 12,292' = 14' @ 7 FPH, WOB= 10-25, GPM= 247, DIFF=200, MRPM=128, TF- 45L		
15:30 18:00	2.50	12,373	Prod	Lat	Drill	DRILR	Drill 12,292' - 12,373' = 81' @ 32.4 FPH, WOB: 15-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 50, Full Ret's.		
18:00 19:00	1.00	12,373	Prod	Lat	Drill	REPS	Circulate at reduced rate while changing out TOTCO flow line sensor.		
19:00 19:30	0.50	12,389	Prod	Lat	Drill	DRILR	Drill 12,373' - 12,389' = 16' @ 32 FPH, WOB: 15-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 50, Full Ret's.		
19:30 22:30	3.00	12,401	Prod	Lat	Drill	DRILS	Slide Drill 12,389' - 12,401' = 12' @ 4 FPH, WOB= 10-25, GPM= 247, DIFF=200, MRPM=128, TF- 90L		
22:30 23:30	1.00	12,401	Prod	Lat	Drill	CIRC	Perform clean out cycle to clean hole due to trouble sliding. (TD RPM= 70, GPM= 247)		
23:30 02:00	2.50	12,467	Prod	Lat	Drill	DRILR	Drill 12,401' - 12,467' = 66' @ 26.4 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.		
02:00 03:30	1.50	12,482	Prod	Lat	Drill	DRILS	Slide Drill 12,467' - 12,482' = 15' @ 10 FPH, WOB= 10-15, GPM= 247, DIFF=300, MRPM=128, TF- 45L		
03:30 05:00	1.50	12,537	Prod	Lat	Drill	DRILR	Drill 12,482' - 12,537' = 55' @ 36.7 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.		

MISCELLANEOUS DRILLING INFORMATION								HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO	Daily	Cum	Daily	Cum
817/917/42	---				200	225	175	11.5	255.5	9.5	74.5
					200	225	175	11.5	255.5	9.5	74.5

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
05-Jun-2012 05:00	12.5	42	14		2	9	10	11.5	18	82			0.9	104000				4/6/

BIT INFORMATION						BIT RUN		REPORT			GRADING								
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull	
5/1	STC	MD1711		6.13	16/16/16	778	35	22	17	31									
4/1	STC	FH35VPS	537	8.75	18/18/18	870	66	13	30	17			0	NO	C	1	1	NO	TD

SURVEYS									BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item		Len				
MWD	11,706	84.9	346.1						5	396	4.000	Drill Pipe		12,408.28				
MWD	11,784	91.0	346.8	11,384	660	-154	677	7.8	5	1	5.063	XO Sub		2.48				
MWD	11,815	91.1	346.3						5	1	4.188	Non Mag Flex Sub		30.80				
MWD	11,846	91.1	346.3						5	1	4.500	NMDC		31.13				
MWD	11,941	89.4	344.8	11,383	812	-193	833	2.4	5	1	5.875	Stabilizer		4.81				
MWD	12,035	87.7	345.0						5	1	4.500	NMDC		31.14				
MWD	12,129	88.1	344.9	11,388	993	-242	1,021	0.5	5	1	4.188	UBHO Sub		3.01				
MWD	12,224	89.2	344.9						5									
MWD	12,319	90.8	345.5															
MWD	12,413	89.0	345.5						5	1	4.750	Mud Motor - Bent Housing		24.60				

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT	4,888							
DELAWARE	5,098							
CHERRY CANYON	6,081							
BRUSHY CANYON	7,432							
BONE SPRING	8,634							

Shows and Lithology:

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
405.879.7917 FAX

Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 29

Rig Release:

For 5:00 AM 07-Jun-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 13,060	RKB/GL EL: 25 / 2813	Avg ROP: 22.7	Spud Date: 09-May-12
Last Casing: Intermediate - 11759	Hole Made: 523	Drig AFE \$: 4,174,500	Drill Hrs: 23.00
Next Casing:	AFE No: 170088	Daily AFE \$: 6,740,500	Total AFE \$: 6,740,500
BOP Tested: 05/31/2012	Report No: 33	Daily Mud \$: 17,079	Daily Well Cost \$: 68,892
Projected TD: 15,000	Proj. Days: 35	Cum Mud \$: 188,108	Cum Well Cost \$: 2,907,273

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 06:00	1.00	12,562	Prod	Lat	Drill	DRILR	Drill 12,537' - 12,562' = 25' @ 25 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPm= 128, RPM: 70, Full Ret's.		
06:00 07:00	1.00	12,576	Prod	Lat	Drill	DRILS	Slide Drill 12,562' - 12,576' = 14' @ 14 FPH, WOB= 10-15, GPM= 247, DIFF=300, MRPm=128, TF- 45L		
07:00 09:30	2.50	12,656	Prod	Lat	Drill	DRILR	Drill 12,576' - 12,656' = 80' @ 32 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPm= 128, RPM: 70, Full Ret's.		
09:30 11:00	1.50	12,679	Prod	Lat	Drill	DRILS	Slide Drill 12,656' - 12,679' = 23' @ 15.3 FPH, WOB= 10-15, GPM= 247, DIFF=300, MRPm=128, TF- 60L		
11:00 13:30	2.50	12,751	Prod	Lat	Drill	DRILR	Drill 12,679' - 12,751' = 72' @ 28.8 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPm= 128, RPM: 70, Full Ret's.		
13:30 15:00	1.50	12,766	Prod	Lat	Drill	DRILS	Slide Drill 12,751' - 12,766' = 15' @ 10 FPH, WOB= 10-15, GPM= 247, DIFF=300, MRPm=128, TF- 60L		
15:00 15:30	0.50	12,776	Prod	Lat	Drill	DRILR	Drill 12,766' - 12,776' = 10' @ 20 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPm= 128, RPM: 70, Full Ret's.		
15:30 16:30	1.00	12,790	Prod	Lat	Drill	DRILS	Slide Drill 12,776' - 12,790' = 14' @ 14 FPH, WOB= 10-15, GPM= 247, DIFF=300, MRPm=128, TF- 30L		
16:30 18:00	1.50	12,846	Prod	Lat	Drill	DRILR	Drill 12,790' - 12,846' = 56' @ 37.3 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPm= 128, RPM: 70, Full Ret's.		
18:00 19:00	1.00	12,846	Prod	Lat	Drill	RIG SERV	Service Rig and TDS Unit.		
19:00 20:00	1.00	12,860	Prod	Lat	Drill	DRILS	Slide Drill 12,846' - 12,860' = 14' @ 14 FPH, WOB= 10-25, GPM= 247, DIFF=300, MRPm=128, TF- 30L		
20:00 20:30	0.50	12,870	Prod	Lat	Drill	DRILR	Drill 12,860' - 12,870' = 10' @ 20 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPm= 128, RPM: 70, Full Ret's.		
20:30 21:30	1.00	12,882	Prod	Lat	Drill	DRILS	Slide Drill 12,870' - 12,882' = 12' @ 12 FPH, WOB= 10-25, GPM= 247, DIFF=300, MRPm=128, TF- 30L		
21:30 03:30	6.00	13,034	Prod	Lat	Drill	DRILR	Drill 12,882' - 13,034' = 152' @ 25.3 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPm= 128, RPM: 70, Full Ret's.		
03:30 04:30	1.00	13,047	Prod	Lat	Drill	DRILS	Slide Drill 13,034' - 13,047' = 12' @ 12 FPH, WOB= 10-25, GPM= 247, DIFF=300, MRPm=128, TF- 90L		
04:30 05:00	0.50	13,060	Prod	Lat	Drill	DRILR	Drill 13,047' - 13,060' = 13' @ 26 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPm= 128, RPM: 70, Full Ret's.		

MISCELLANEOUS DRILLING INFORMATION								HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO	Daily	Cum	Daily	Cum
817/917/42					200	225	175	15.0	270.5	8.0	82.5

MUD REPORTS																		
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels
06-Jun-2012 12:00	12.5	42	11.5		2	12	8	11	18	82			0.9	104000				4/6/

BIT INFORMATION						BIT RUN		REPORT			GRADING									
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull		
5/1	STC	MD711		6.13		16/16/16		1301	58	22	16	34								
4/1	STC	FH35VPS	537	8.75		18/18/18		870	66	13	30	17		0	NO	C	1	1	NO	TD

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len				
MWD	12,129	88.1	344.9	11,388	993	-242	1,021	0.5		5	412	4.000	Drill Pipe		12,931.28				
MWD	12,224	89.2	344.9	11,391	1,085	-266	1,116	1.1		5	1	5.063	XO Sub		2.48				
MWD	12,319	90.8	345.5	11,391	1,177	-291	1,211	1.8		5	1	4.188	Non Mag Flex Sub		30.80				
MWD	12,413	89.0	345.5	11,391	1,268	-314	1,305	1.9		5	1	4.500	NMDC		31.13				
MWD	12,508	90.0	345.7	11,392	1,360	-338	1,400	1.1		5	1	5.875	Stabilizer		4.81				
MWD	12,602	90.7	346.1	11,391	1,451	-361	1,494	0.8		5	1	4.500	NMDC		31.14				
MWD	12,697	89.4	346.4	11,391	1,543	-383	1,589	1.3		5	1	4.188	UBHO Sub		3.01				
MWD	12,791	88.9	345.2	11,392	1,635	-406	1,683	1.4		5	1	4.750	Mud Motor - Bent Housing		24.60				
MWD	12,886	91.9	345.1	11,392	1,726	-431	1,778	3.2											
MWD	12,980	91.9	345.3	11,389	1,817	-455	1,872	0.3											

FORMATION TOPS				MUD LOG					Pore
Target Form: HALEY				Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:						
SALT		4,888							
DELAWARE		5,098							
CHERRY CANYON		6,081							
BRUSHY CANYON		7,432							
BONE SPRING		8,634							

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 30			Rig Release:			For 5:00 AM 08-Jun-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 13,786			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Intermediate - 11759			Hole Made: 726			Drill Hrs: 22.50		
Next Casing: Planned Liner - 15980			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/31/2012			Report No: 34			Daily Well Cost \$: 53,721		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 2,960,994		

OPERATIONS SUMMARY																		
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)											
05:00 09:00	4.00	13,223	Prod	Lat	Drill	DRILR	Drill 13,060' - 13,223' = 163' @ 40.75 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.											
09:00 10:00	1.00	13,223	Prod	Lat	Drill	RIG SERV	Service Rig and TDS Unit.											
10:00 11:00	1.00	13,233	Prod	Lat	Drill	DRILS	Slide Drill 13,223' - 13,233' = 10' @ 10 FPH, WOB= 10-25, GPM= 247, DIFF=300, MRPM=128, TF- 90L											
11:00 13:30	2.50	13,317	Prod	Lat	Drill	DRILR	Drill 13,233' - 13,317' = 84' @ 33.6 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.											
13:30 15:00	1.50	13,330	Prod	Lat	Drill	DRILS	Slide Drill 13,317' - 13,330' = 13' @ 8.7 FPH, WOB= 10-25, GPM= 247, DIFF=300, MRPM=128, TF- 120L											
15:00 17:00	2.00	13,411	Prod	Lat	Drill	DRILR	Drill 13,330' - 13,411' = 81' @ 40.5 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.											
17:00 17:30	0.50	13,411	Prod	Lat	Drill	BOPO	Change out rotating head.											
17:30 05:00	11.50	13,786	Prod	Lat	Drill	DRILR	Drill 13,411' - 13,786' = 375' @ 32.6 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.											

MISCELLANEOUS DRILLING INFORMATION														HRS ROTATING			HRS SLIDING					
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO				Daily	Cum	Daily	Cum							
817/917/42	---					200	240	165				20.0	290.5	2.5	85.0							
						200	240	165				20.0	290.5	2.5	85.0							
MUD REPORTS																						
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels				
07-Jun-2012 05:00	12.5	42			2	15	11	10		82			0.9	104000				7/11/				
BIT INFORMATION									BIT RUN			REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles				Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull	
5/1	STC	MD1711		6.13	16/16/16				2027	80.5	25	16	36									
4/1	STC	FH35VPS	537	8.75	18/18/18				870	66	13	30	17			0	NO	C	1	1	NO	TD
SURVEYS													BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item	Len									
MWD	12,886	91.9	345.1	11,392	1,726	-431	1,778	3.2	5	435	4.000	Drill Pipe	13,657.28									
MWD	12,980	91.9	345.3	11,389	1,817	-455	1,872	0.3	5	1	5.063	XO Sub	2.48									
MWD	13,074	91.5	345.3						5	1	4.188	Non Mag Flex Sub	30.80									
MWD	13,169	91.0	345.3	11,384	2,000	-503	2,061	0.5	5	1	4.500	NMDC	31.13									
MWD	13,263	91.1	343.7	11,382	2,090	-528	2,155	1.7	5	1	5.875	Stabilizer	4.81									
MWD	13,357	90.0	342.6	11,381	2,180	-555	2,249	1.7	5	1	4.500	NMDC	31.14									
MWD	13,451	90.0	342.0	11,381	2,270	-584	2,343	0.7	5	1	4.188	UBHO Sub	3.01									
MWD	13,544	90.3	342.0	11,381	2,358	-612	2,436	0.3	5	1	4.750	Mud Motor - Bent Housing	24.60									
MWD	13,638	90.2	341.9																			
MWD	13,732	90.3	341.7	11,380	2,537	-671	2,623	0.2														
FORMATION TOPS				MUD LOG								Pore										
Target Form: HALEY				Depth	Gas:Back	Max	Conn	Trip	Pres													
Form Name	Depth:Prog	Actual																				
SALT	4,888		Shows and Lithology:																			
DELAWARE	5,098																					
CHERRY CANYON	6,081																					
BRUSHY CANYON	7,432																					
BONE SPRING	8,634																					

Shows and Lithology:

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 31			Rig Release:			For 5:00 AM 09-Jun-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 14,535			RKB/GL EL: 25 / 2813			Survey:		
Last Casing: Intermediate - 11759			Hole Made: 749			Avg ROP: 32.6		
Next Casing: Planned Liner - 15980			AFE No: 170088			Drig AFE \$: 4,174,500		
BOP Tested: 05/31/2012			Report No: 35			Daily Mud \$: 6,627		
Projected TD: 15,000			Proj. Days: 35			Cum Mud \$: 199,564		
						Spud Date: 09-May-12		
						Drill Hrs: 23.00		
						Total AFE \$: 6,740,500		
						Daily Well Cost \$: 60,597		
						Cum Well Cost \$: 3,049,046		

OPERATIONS SUMMARY																		
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)											
05:00	05:30	0.50	13,791	Prod	Lat	Drill	DRILS	Slide Drill 13,786' - 13,791' = 5' @ 10 FPH, WOB= 10-25, GPM= 247, DIFF=300, MRPM=128, TF- 160L										
05:30	08:00	2.50	13,880	Prod	Lat	Drill	DRILR	Drill 13,791' - 13,880' = 89' @ 35.6 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.										
08:00	09:00	1.00	13,880	Prod	Lat	Drill	RIG SERV	Service Rig and TDS Unit.										
09:00	15:30	6.50	14,067	Prod	Lat	Drill	DRILR	Drill 13,880' - 14,067' = 187' @ 28.8 FPH, WOB: 10-20, GPM: 247, Diff: 450, MRPM= 128, RPM: 70, Full Ret's.										
15:30	16:30	1.00	14,075	Prod	Lat	Drill	DRILS	Slide Drill 14,067' - 14,075' = 8' @ 8 FPH, WOB= 10-25, GPM= 247, DIFF=300, MRPM=128, TF- 30L										
16:30	05:00	12.50	14,535	Prod	Lat	Drill	DRILR	Drill 14,075' - 14,535' = 460' @ 36.8 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.										

MISCELLANEOUS DRILLING INFORMATION														HRS ROTATING				HRS SLIDING			
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO	Daily		Cum		Daily	Cum							
	817/917/42					200	240	165	21.5		312.0		1.5	86.5							
						200	240	165	21.5		312.0		1.5	86.5							
MUD REPORTS																					
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels			
08-Jun-2012 14:00	12.5	44			2	16	14	10		82			0.9	104000				9/12'			
BIT INFORMATION									BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull	
5/1	STC	MD1711		6.13	16/16/16			2776	103.5	27	16	36									
4/1	STC	FH35VPS	537	8.75	18/18/18			870	66	13	30	17			0	NO	C	1	1	NO	TD
SURVEYS													BHA COMPONENTS								
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item		Len							
MWD	13,544	90.3	342.0	11,381	2,358	-612	2,436	0.3	5	459	4.000	Drill Pipe		14,406.28							
MWD	13,638	90.2	341.9	11,381	2,448	-641	2,529	0.2	5	1	5.063	XO Sub		2.48							
MWD	13,732	90.3	341.7	11,380	2,537	-671	2,623	0.2	5	1	4.188	Non Mag Flex Sub		30.80							
MWD	13,826	89.7	341.5						5	1	4.500	NMDC		31.13							
MWD	13,920	89.6	341.4	11,381	2,715	-730	2,811	0.1	5	1	5.875	Stabilizer		4.81							
MWD	14,013	89.3	341.5	11,382	2,804	-760	2,904	0.4	5	1	4.500	NMDC		31.14							
MWD	14,107	90.0	341.2	11,382	2,893	-790	2,998	0.9	5	1	4.188	UBHO Sub		3.01							
MWD	14,201	89.9	341.1	11,382	2,982	-820	3,092	0.2	5	1	4.750	Mud Motor - Bent Housing		24.60							
MWD	14,295	89.7	340.3	11,383	3,070	-851	3,186	0.8													
MWD	14,389	89.8	340.2	11,383	3,159	-883	3,280	0.1													
FORMATION TOPS				MUD LOG								Pore									
Target Form: HALEY				Depth	Gas:Back		Max	Conn	Trip	Pres											
Form Name		Depth:Prog	Actual	Shows and Lithology:																	
SALT		4,888																			
DELAWARE		5,098																			
CHERRY CANYON		6,081																			
BRUSHY CANYON		7,432																			
BONE SPRING		8,634																			

Shows and Lithology:

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
405.879.7917 FAX

Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 32

Rig Release:

For 5:00 AM 10-Jun-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 14,842	RKB/GL EL: 25 / 2813	Avg ROP: 14.0	Spud Date: 09-May-12
Last Casing: Intermediate - 11759	Hole Made: 307	Drig AFE \$: 4,174,500	Drill Hrs: 22.00
Next Casing: Planned Liner - 15980	AFE No: 170088	Daily AFE \$: 8,834	Total AFE \$: 6,740,500
BOP Tested: 05/31/2012	Report No: 36	Cum Mud \$: 208,397	Daily Well Cost \$: 57,511
Projected TD: 15,000	Proj. Days: 35		Cum Well Cost \$: 3,100,717

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 09:00	4.00	14,648	Prod	Lat	Drill	DRILR	Drill 14,535' - 14,648' = 113' @ 28.3 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.		
09:00 12:00	3.00	14,654	Prod	Lat	Drill	DRILS	Slide Drill 14,648' - 14,654' = 6' @ 2 FPH, WOB= 30-40, GPM= 247, DIFF=300, MRPM=128, TF- 60R		
12:00 14:00	2.00	14,724	Prod	Lat	Drill	DRILR	Drill 14,654' - 14,724' = 70' @ 35 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.		
14:00 15:00	1.00	14,724	Prod	Lat	Drill	RIG SERV	Service Rig and TDS Unit.		
15:00 15:30	0.50	14,742	Prod	Lat	Drill	DRILR	Drill 14,724' - 14,742' = 18' @ 36 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.		
15:30 20:30	5.00	14,752	Prod	Lat	Drill	DRILS	Slide Drill 14,742' - 14,752' = 10' @ 2 FPH, WOB= 30-40, GPM= 247, DIFF=300, MRPM=128, TF- 60R		
20:30 23:00	2.50	14,818	Prod	Lat	Drill	DRILR	Drill 14,752' - 14,818' = 66' @ 26.4 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.		
23:00 00:00	1.00	14,818	Prod	Lat	Drill	CIRC	PERFORM CLEAN OUT CYCLE DUE TO TROUBLE SLIDING		
00:00 04:00	4.00	14,829	Prod	Lat	Drill	DRILS	Slide Drill 14,818' - 14,829' = 11' @ 2.8 FPH, WOB= 30-40, GPM= 247, DIFF=250, MRPM=128, TF- 90R		
04:00 04:30	0.50	14,839	Prod	Lat	Drill	DRILR	Drill 14,829' - 14,839' = 10' @ 20 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.		
04:30 05:00	0.50	14,842	Prod	Lat	Drill	DRILS	Slide Drill 14,839' - 14,842' = 3' @ 6 FPH, WOB= 30-40, GPM= 247, DIFF=250, MRPM=128, TF- 90R		

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING			HRS SLIDING																													
Flare:	Dur	An P	Ht	Hk Loads:			Rot	PU	SO				Daily	Cum	Daily	Cum																													
817/917/42													200			240			165																										
													9.5			321.5			12.5			99.0																							
MUD REPORTS																																													
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels																											
09-Jun-2012 13:00													13.1			45			11			2			17			12			10			80.2			0.4			98000			9/12/		
BIT INFORMATION									BIT RUN			REPORT			GRADING																														
No/Run	Make	Model	IADC	Diam	Nozzles				Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull																								
5/1	STC	MDI711		6.13					3083	125.5	25	18	37																																
4/1	STC	FH35VPS	537	8.75	18/18/18				870	66	13	30	17		0	NO	C	1	1	NO	TD																								
SURVEYS													BHA COMPONENTS																																
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item	Len																																
MWD	13,920	89.6	341.4						5	469	4.000	Drill Pipe	14,713.28																																
MWD	14,013	89.3	341.5						5	1	5.063	XO Sub	2.48																																
MWD	14,107	90.0	341.2						5	1	4.188	Non Mag Flex Sub	30.80																																
MWD	14,201	89.9	341.1						5	1	4.500	NMDC	31.13																																
MWD	14,295	89.7	340.3						5	1	5.875	Stabilizer	4.81																																
MWD	14,389	89.8	340.2						5	1	4.500	NMDC	31.14																																
MWD	14,482	89.6	340.3						5	1	4.188	UBHO Sub	3.01																																
MWD	14,576	89.3	340.5						5	1	4.750	Mud Motor - Bent Housing	24.60																																
MWD	14,670	90.0	340.2																																										
MWD	14,764	90.8	339.0																																										
FORMATION TOPS					MUD LOG							Pore																																	
Target Form: HALEY					Depth	Gas:Back		Max	Conn	Trip	Pres																																		
Form Name		Depth:Prog		Actual	Shows and Lithology:																																								
SALT		4,888																																											
DELAWARE		5,098																																											
CHERRY CANYON		6,081																																											
BRUSHY CANYON		7,432																																											
BONE SPRING		8,634																																											

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report
Well ID: 644095
Field: HALEY

Chesapeake Operating, Inc.
Well Name: UNIVERSITY 19-19 2H
Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 33			Rig Release:			For 5:00 AM 11-Jun-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 15,208			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Intermediate - 11759			Hole Made: 366			Drill Hrs: 22.50		
Next Casing: Planned Liner - 15980			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/31/2012			Report No: 37			Daily Well Cost \$: 57,848		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 3,197,378		

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 09:00	4.00	14,851	Prod	Lat	Drill	DRILS	Slide Drill 14,842' - 14,851' = 9' @ 2.3 FPH, WOB= 30-40, GPM= 247, DIFF=250, MRPM=128, TF- 90R		
09:00 11:30	2.50	14,913	Prod	Lat	Drill	DRILR	Drill 14,851' - 14,913' = 62' @ 24.8 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.		
11:30 12:30	1.00	14,913	Prod	Lat	Drill	RIG SERV	Service Rig and TDS Unit.		
12:30 20:00	7.50	15,101	Prod	Lat	Drill	DRILR	Drill 14,913' - 15,101' = 188' @ 25.1 FPH, WOB: 10-20, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.		
20:00 20:30	0.50	15,101	Prod	Lat	Drill	BOPO	Change out rotating head		
20:30 02:00	5.50	15,195	Prod	Lat	Drill	DRILR	Drill 15,101' - 15,195' = 94' @ 17.1 FPH, WOB: 15-25, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.		
02:00 04:00	2.00	15,200	Prod	Lat	Drill	DRILS	Slide Drill 15,195' - 15,200' = 5' @ 2.5 FPH, WOB= 30-40, GPM= 247, DIFF=350, MRPM=128, TF- 120R		
04:00 04:30	0.50	15,205	Prod	Lat	Drill	DRILR	Drill 15,200' - 15,205' = 5' @ 10 FPH, WOB: 15-25, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.		
04:30 05:00	0.50	15,208	Prod	Lat	Drill	DRILS	Slide Drill 15,205' - 15,208' = 3' @ 6 FPH, WOB= 30-40, GPM= 247, DIFF=350, MRPM=128, TF- 120R		

MISCELLANEOUS DRILLING INFORMATION										HRS ROTATING		HRS SLIDING	
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO		Daily	Cum	Daily	Cum
	817/917/42					200	240	140		16.0	337.5	6.5	105.5

MUD REPORTS													
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS
10-Jun-2012 16:00	13.1	41	10		2	13	12	9.5		80.2			0.5

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
5/1	STC	MDI711		6.13	16/16/16	3449	148	23	18	37								
4/1	STC	FH35VPS	537	8.75	18/18/18	870	66	13	30	17	0		NO	C	1	1	NO	TD

SURVEYS										BHA COMPONENTS								
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item			Len		
MWD	14,295	89.7	340.3							5	481	4.000	Drill Pipe			15,079.28		
MWD	14,389	89.8	340.2							5	1	5.063	XO Sub			2.48		
MWD	14,482	89.6	340.3							5	1	4.188	Non Mag Flex Sub			30.80		
MWD	14,576	89.3	340.5							5	1	4.500	NMDC			31.13		
MWD	14,670	90.0	340.2	11,385	3,423	-978	3,560	0.8		5	1	5.875	Stabilizer			4.81		
MWD	14,764	90.8	339.0							5	1	4.500	NMDC			31.14		
MWD	14,859	91.4	338.8							5	1	4.188	UBHO Sub			3.01		
MWD	14,953	91.3	339.8							5	1	4.750	Mud Motor - Bent Housing			24.60		
MWD	15,047	90.8	338.5															
MWD	15,141	91.4	337.2															

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT		4,888						
DELAWARE		5,098						
CHERRY CANYON		6,081						
BRUSHY CANYON		7,432						
BONE SPRING		8,634						

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 34

Rig Release:

For 5:00 AM 12-Jun-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 15,306	RKB/GL EL: 25 / 2813	Avg ROP: 5.4	Spud Date: 09-May-12
Last Casing: Intermediate - 11759	Hole Made: 98	Drig AFE \$: 4,174,500	Drill Hrs: 18.00
Next Casing: Planned Liner - 15980	AFE No: 170088	Daily AFE \$: 6,284	Total AFE \$: 6,740,500
BOP Tested: 05/31/2012	Report No: 38	Cum Mud \$: 222,122	Daily Well Cost \$: 56,898
Projected TD: 15,000	Proj. Days: 35		Cum Well Cost \$: 3,254,243

OPERATIONS SUMMARY												
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)					
05:00 13:00	8.00	15,215	Prod	Lat	Drill	DRILS	Slide Drill 15,208' - 15,215' = 7' @ .9 FPH, WOB= 30-50, GPM= 247, DIFF=350, MRPM=128, TF- 120R					
13:00 19:00	6.00	15,289	Prod	Lat	Drill	DRILR	Drill 15,215' - 15,289' = 74' @ 12.3 FPH, WOB: 15-30, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.					
19:00 20:00	1.00	15,289	Prod	Lat	Drill	RIG SERV	Service Rig and TDS Unit.					
20:00 21:00	1.00	15,289	Prod	Lat	Drill	WIPE	Make 5 stand wiper trip 15,289' - 14,818' (hole slick)					
21:00 01:00	4.00	15,289	Prod	Lat	Drill	CIRC	Perform clean out cycles with low & high vis sweeps @ 15,289' (rpm=70, gpm=247)					
01:00 01:30	0.50	15,299	Prod	Lat	Drill	DRILR	Drill 15,289' - 15,299' = 10' @ 20 FPH, WOB: 15-25, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.					
01:30 05:00	3.50	15,306	Prod	Lat	Drill	DRILS	Slide Drill 15,299' - 15,306' = 7' @ 2 FPH, WOB= 15-25, GPM= 247, DIFF=350, MRPM=128, TF- 160R					

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING			HRS SLIDING													
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO				Daily	Cum	Daily	Cum														
817/917/42									165			240			140			6.5			344.0			11.5			117.0		
MUD REPORTS																													
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels											
11-Jun-2012 16:00	13.1	40	9		2	12	12	9.5		80.2			0.8	98000					8/11'										
BIT INFORMATION									BIT RUN		REPORT			GRADING															
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull									
5/1	STC	MDI711		6.13	16/16/16			3547	166	21	19	37																	
4/1	STC	FH35VPS	537	8.75	18/18/18			870	66	13	30	17			0	NO	C	1	1	NO	TD								
SURVEYS													BHA COMPONENTS																
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item		Len															
MWD	14,389	89.8	340.2	11,383	3,159	-883	3,280	0.1	5	484	4.000	Drill Pipe		15,177.28															
MWD	14,482	89.6	340.3	11,384	3,246	-914	3,373	0.2	5	1	5.063	XO Sub		2.48															
MWD	14,576	89.3	340.5	11,385	3,335	-946	3,466	0.4	5	1	4.188	Non Mag Flex Sub		30.80															
MWD	14,670	90.0	340.2	11,385	3,423	-978	3,560	0.8	5	1	4.500	NMDC		31.13															
MWD	14,764	90.8	339.0	11,385	3,512	-1,010	3,654	1.5	5	1	5.875	Stabilizer		4.81															
MWD	14,859	91.4	338.8	11,383	3,600	-1,045	3,749	0.7	5	1	4.500	NMDC		31.14															
MWD	14,953	91.3	339.8	11,381	3,688	-1,078	3,842	1.0	5	1	4.188	UBHO Sub		3.01															
MWD	15,047	90.8	338.5	11,379	3,776	-1,111	3,936	1.5	5	1	4.750	Mud Motor - Bent Housing		24.60															
MWD	15,141	91.4	337.2	11,377	3,863	-1,147	4,029	1.5																					
MWD	15,235	91.8	336.5	11,375	3,949	-1,184	4,123	0.9																					
FORMATION TOPS					MUD LOG					Pore																			
Target Form: HALEY					Depth	Gas:Back	Max	Conn	Trip	Pres																			
Form Name	Depth:Prog	Actual	Shows and Lithology:																										
SALT		4,888																											
DELAWARE		5,098																											
CHERRY CANYON		6,081																											
BRUSHY CANYON		7,432																											
BONE SPRING		8,634																											

CHESAPEAKE OPERATING, INC.
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Oklahoma City, Oklahoma 73154-0496
405.848.8000
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 35

Rig Release:

For 5:00 AM 13-Jun-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 15,341	RKB/GL EL: 25 / 2813	Avg ROP: 2.9	Spud Date: 09-May-12
Last Casing: Intermediate - 11759	Hole Made: 35	Drig AFE \$: 4,174,500	Drill Hrs: 12.00
Next Casing: Planned Liner - 15980	AFE No: 170088	Daily AFE \$: 19,142	Total AFE \$: 6,740,500
BOP Tested: 05/31/2012	Report No: 39	Cum Mud \$: 241,264	Daily Well Cost \$: 55,799
Projected TD: 15,000	Proj. Days: 35		Cum Well Cost \$: 3,308,728

OPERATIONS SUMMARY												
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)					
05:00 14:00	9.00	15,309	Prod	Lat	Drill	DRILS	Slide Drill 15,306' - 15,309' = 3' @ .33 FPH, WOB= 25-58, GPM= 247, DIFF=280, MRPM=128, TF- 160R					
14:00 17:00	3.00	15,341	Prod	Lat	Drill	DRILR	Drill 15,309' - 15,341' = 32' @ 10.7 FPH, WOB: 15-25, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Full Ret's.					
17:00 18:00	1.00	15,341	Prod	Lat	Drill	REPS	MWD tool lost sync.Trouble shoot issue (batteries depleted)					
18:00 20:00	2.00	15,341	Prod	Lat	Drill	CIRC	Circulate bottoms up @ 15,341'					
20:00 01:00	5.00	15,341	Prod	Lat	Drill	REAM	Back ream out of the hole f/ 15,341' t/ 11,759'					
01:00 01:30	0.50	15,341	Prod	Lat	Drill	RIG SERV	Service Rig					
01:30 03:00	1.50	15,341	Prod	Lat	Drill	CIRC	Circulate bottoms up @ 11,759'. Spot ECD pill, pump slug, flow check (well static)					
03:00 05:00	2.00	15,341	Prod	Lat	Drill	TOOH	TOOH F/ 11,759' T/ 8,900' Hole taking proper fill					

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING			HRS SLIDING				
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO				Daily	Cum	Daily	Cum					
817/917/42								165	250	140				3.0	347.0	9.0	126.0			
MUD REPORTS																				
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels		
12-Jun-2012 05:00	13	40			2	12	12	9	19.8	80.2				1.1	98000	8/11/				
BIT INFORMATION									BIT RUN		REPORT			GRADING						
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
5/1	STC	MDI711		6.13	16/16/16			3582	178	20	20	37								
4/1	STC	FH35VPS	537	8.75	18/18/18			870	66	13	30	17	0	NO	C	1	1	NO	TD	
SURVEYS													BHA COMPONENTS							
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item		Len						
MWD	14,389	89.8	340.2	11,383	3,159	-883	3,280	0.1	5	485	4.000	Drill Pipe		15,212.28						
MWD	14,482	89.6	340.3	11,384	3,246	-914	3,373	0.2	5	1	5.063	XO Sub		2.48						
MWD	14,576	89.3	340.5	11,385	3,335	-946	3,466	0.4	5	1	4.188	Non Mag Flex Sub		30.80						
MWD	14,670	90.0	340.2						5	1	4.500	NMDC		31.13						
MWD	14,764	90.8	339.0	11,385	3,512	-1,010	3,654	1.5	5	1	5.875	Stabilizer		4.81						
MWD	14,859	91.4	338.8	11,383	3,600	-1,045	3,749	0.7	5	1	4.500	NMDC		31.14						
MWD	14,953	91.3	339.8						5	1	4.188	UBHO Sub		3.01						
MWD	15,047	90.8	338.5	11,379	3,776	-1,111	3,936	1.5	5	1	4.750	Mud Motor - Bent Housing		24.60						
MWD	15,141	91.4	337.2	11,377	3,863	-1,147	4,029	1.5												
MWD	15,235	91.8	336.5	11,375	3,949	-1,184	4,123	0.9												
FORMATION TOPS					MUD LOG					Pore										
Target Form: HALEY					Depth	Gas:Back	Max	Conn	Trip	Pres										
Form Name	Depth:Prog		Actual	Shows and Lithology:																
SALT	4,888																			
DELAWARE	5,098																			
CHERRY CANYON	6,081																			
BRUSHY CANYON	7,432																			
BONE SPRING	8,634																			

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 36

Rig Release:

For 5:00 AM 14-Jun-2012

District: PERMIAN	Objective: Bone Spring	Rig: Trinidad 102
Depth: 15,341	RKB/GL EL: 25 / 2813	Spud Date: 09-May-12
Last Casing: Intermediate - 11759	Hole Made: 0	Drill Hrs: 0
Next Casing: Planned Liner - 15980	AFE No: 170088	Total AFE \$: 6,740,500
BOP Tested: 05/31/2012	Report No: 40	Daily Well Cost \$: 64,181
Projected TD: 15,000	Proj. Days: 35	Cum Well Cost \$: 3,374,732
Avg ROP: 0	Drig AFE \$: 4,174,500	
Daily Mud \$: 8,430	Cum Mud \$: 249,694	

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 10:30	5.50	15,341	Prod	Lat	Drill	TOOH	TOOH F/ 8,900' T/ 128" Hole taking proper fill		
10:30 14:00	3.50	15,341	Prod	Lat	Drill	DIR	Remove Stabilizer, Flex Monel, MWD, Break Bit and Lay Out Motor. Pick up and Make Up Motor and MWD, surface test OK, Make Up New Bit, and Add Slick Monel T/ 125'.		
14:00 16:00	2.00	15,341	Prod	Lat	Drill	TIH	TIH F/ 125' - 3,600', Checking Torque on Connections and Filling Pipe Every 30 stands.		
16:00 17:00	1.00	15,341	Prod	Lat	Drill	RIG SERV	Service Rig and TDS Unit.		
17:00 20:00	3.00	15,341	Prod	Lat	Drill	TIH	TIH F/ 3,600' - 6,511', Checking Torque on Connections and Filling Pipe Every 30 stands.		
20:00 21:00	1.00	15,341	Prod	Lat	Drill	REPR	Trouble shoot problem with engines shutting down several times. Swap engines & change out fuel filters.		
21:00 01:00	4.00	15,341	Prod	Lat	Drill	TIH	TIH F/ 6,511' - 11,712', Checking Torque on Connections and Filling Pipe Every 30 stands.		
01:00 01:30	0.50	15,341	Prod	Lat	Drill	BOPO	Remove trip nipple & install rotating head.		
01:30 04:30	3.00	15,341	Prod	Lat	Drill	CUTDL	Slip & Cut Drill Line (120') Monitor well on trip tank (well static)		
04:30 05:00	0.50	15,341	Prod	Lat	Drill	CIRC	Circulate bottoms up		

MISCELLANEOUS DRILLING INFORMATION												HRS ROTATING				HRS SLIDING				
Flare:	Dur	An	P	Ht	Hk Loads:		Rot	PU	SO				Daily	Cum	Daily	Cum				
817/917/42														347.0		126.0				
MUD REPORTS																				
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels		
13-Jun-2012 05:00	13	41			2	13	12	9	20.5	79.5			1.1	98000				8/11/		
BIT INFORMATION								BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
6/1	STC	MDI711		6.13	16/16/16/16				0	0	0	0								
5/1	STC	MDI711		6.13	16/16/16/16			3582	178	20	20	37	1	2	WT	N	1	0	CT	DTF
SURVEYS												BHA COMPONENTS								
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS												
MWD	14,389	89.8	340.2						6	0	4.000	Drill Pipe		0.00						
MWD	14,482	89.6	340.3						6	1	5.250	XO Sub		2.48						
MWD	14,576	89.3	340.5						6	1	4.750	NMDC		31.04						
MWD	14,670	90.0	340.2						6	1	4.500	NMDC		31.13						
MWD	14,764	90.8	339.0						6	1	4.500	NMDC		31.14						
MWD	14,859	91.4	338.8						6	1	4.188	UBHO Sub		3.01						
MWD	14,953	91.3	339.8						6	1	4.750	Float Sub		3.51						
MWD	15,047	90.8	338.5						6	1	4.750	Mud Motor - Bent Housing		22.80						
MWD	15,141	91.4	337.2																	
MWD	15,235	91.8	336.5																	
FORMATION TOPS				MUD LOG						Pore										
Target Form: HALEY				Depth	Gas:Back		Max	Conn	Trip	Pres										
Form Name		Depth:Prog	Actual	Shows and Lithology:																
SALT		4,888																		
DELAWARE		5,098																		
CHERRY CANYON		6,081																		
BRUSHY CANYON		7,432																		
BONE SPRING		8,634																		

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 37			Rig Release:			For 5:00 AM 15-Jun-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 15,820			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Intermediate - 11759			Hole Made: 479			Drill Hrs: 14.00		
Next Casing: Planned Liner - 15980			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/31/2012			Report No: 41			Daily Well Cost \$: 58,452		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 3,438,279		
Avg ROP: 34.2			Drig AFE \$: 4,174,500					
Daily Mud \$: 2,079			Cum Mud \$: 251,773					

OPERATIONS SUMMARY											
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)				
05:00 06:30	1.50	15,341	Prod	Lat	Drill	CIRC	Circulate Bottoms Up @ 11712'.				
06:30 07:30	1.00	15,341	Prod	Lat	Drill	RIG SERV	Service Rig and TDS Unit.				
07:30 10:30	3.00	15,341	Prod	Lat	Drill	TIH	TIH F/ 11712' - 15193'				
10:30 11:00	0.50	15,341	Prod	Lat	Drill	REAM	Wash/Ream 15193' - 15341'.				
11:00 12:30	1.50	15,356	Prod	Lat	Drill	DRILS	Slide Drill 15,341' - 15,356' = 15' @ 10 FPH, WOB= 9-11, GPM= 247, DIFF=200, MRPM=128, TF- 150R				
12:30 15:00	2.50	15,430	Prod	Lat	Drill	DRILR	Drill 15,356' - 15,430' = 74' @ 29.6 FPH, WOB: 8-10, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Torq: 9800, Full Ret's.				
15:00 16:30	1.50	15,430	Prod	Lat	Drill	REPS	MWD Computer Down, Troubleshoot issue, Swap to Back Up Computer and Re-Boot Systems for Operation.				
16:30 18:30	2.00	15,430	Prod	Lat	Drill	REPR	Change out vibrator hose from sub to water tank				
18:30 19:00	0.50	15,430	Prod	Lat	Drill	REPS	Trouble shoot MWD.				
19:00 05:00	10.00	15,820	Prod	Lat	Drill	DRILR	Drill 15,430' - 15,820' = 390' @ 39 FPH, WOB: 8-10, GPM: 247, Diff: 400, MRPM= 128, RPM: 70, Torq: 9800, Full Ret's.				

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING			HRS SLIDING				
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO			Daily	Cum	Daily	Cum						
817/917/42													12.5	359.5	1.5	127.5				
MUD REPORTS																				
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels		
14-Jun-2012 05:00	13	42			2	13	12	9	20.5	79.5			0.6	100000				8/11'		
BIT INFORMATION									BIT RUN		REPORT			GRADING						
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
6/1	STC	MDI711		6.13	16/16/16/16			479	14	34	12	35								
5/1	STC	MDI711		6.13	16/16/16/16			3582	178	20	20	37	1	2	WT	N	1	0	CT	DTF
SURVEYS													BHA COMPONENTS							
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item				Len				
MWD	14,764	90.8	339.0	11,385	3,512	-1,010	3,654	1.5	6	0	4.000	Drill Pipe				15,694.14				
MWD	14,859	91.4	338.8	11,383	3,600	-1,045	3,749	0.7	6	1	5.250	XO Sub				2.48				
MWD	14,953	91.3	339.8	11,381	3,688	-1,078	3,842	1.0	6	1	4.750	NMDC				31.04				
MWD	15,047	90.8	338.5	11,379	3,776	-1,111	3,936	1.5	6	1	4.500	NMDC				31.13				
MWD	15,141	91.4	337.2	11,377	3,863	-1,147	4,029	1.5	6	1	4.500	NMDC				31.14				
MWD	15,235	91.8	336.5	11,375	3,949	-1,184	4,123	0.9	6	1	4.188	UBHO Sub				3.01				
MWD	15,330	91.8	335.9	11,372	4,036	-1,222	4,217	0.6	6	1	4.750	Float Sub				3.51				
MWD	15,424	88.8	337.1	11,371	4,122	-1,260	4,310	3.4	6	1	4.750	Mud Motor - Bent Housing				22.80				
MWD	15,518	89.1	337.3	11,373	4,209	-1,296	4,404	0.4												
MWD	15,613	89.3	337.3	11,374	4,297	-1,333	4,498	0.3												
FORMATION TOPS				MUD LOG							Pore									
Target Form: HALEY				Depth	Gas:Back		Max	Conn	Trip	Pres										
Form Name		Depth:Prog	Actual	Shows and Lithology:																
SALT		4,888																		
DELAWARE		5,098																		
CHERRY CANYON		6,081																		
BRUSHY CANYON		7,432																		
BONE SPRING		8,634																		

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 38			Rig Release:			For 5:00 AM 16-Jun-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 15,935			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Intermediate - 11759			Hole Made: 115			Drill Hrs: 3.00		
Next Casing: Planned Liner - 15980			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/31/2012			Report No: 42			Daily Well Cost \$: 63,035		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 3,501,314		
Survey:			Avg ROP: 38.3					
Drig AFE \$: 4,174,500			Daily Mud \$: 12,589					
Cum Mud \$: 264,362								

OPERATIONS SUMMARY									
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)		
05:00 08:00	3.00	15,935	Prod	Lat	Drill	DRILR	Drill 15,820' - 15,935' = 115' @ 38.3 FPH, WOB: 15, GPM: 247, Diff: 350, MRPM= 128, RPM: 70, Torq: 9800, Full Ret's.		
08:00 13:30	5.50	15,935	Prod	Lat	Drill	CIRC	Circulate and Sweep Hole Clean, Spot 100 bbls Kill Mud @ 9000' Slowing Pump Rate Down When Pill U-Tubed at Bit, Slug Pipe.		
13:30 17:00	3.50	15,935	Prod	Lat	Drill	TOOH	Tally out of hole F/ 15935' T/ 12,035 , With Baker Hughes on Location Monitoring Trip in Lateral.		
17:00 18:00	1.00	15,935	Prod	Lat	Drill	REPR	Rig blacked out, Troubleshoot and bring all 3 motors back on line.		
18:00 23:30	5.50	15,935	Prod	Lat	Drill	TOOH	Tally out of hole F/ 12,035' - 5,000' With Baker Hughes on Location Monitoring Trip in Lateral. Hole taking proper fill.		
23:30 00:00	0.50	15,935	Prod	Lat	Drill	BOPO	Remove rotating head and install trip nipple. Flow check (ok).		
00:00 02:30	2.50	15,935	Prod	Lat	Drill	TOOH	Tally out of hole F/ 5,000' T/ 125'. Hole taking proper fill. Flow Check (OK).		
02:30 03:30	1.00	15,935	Prod	Lat	Drill	LDBHA	L/D BHA #6 Lateral assembly. Hole full.		
03:30 04:00	0.50	15,935	Prod	Lat	Drill	RIG SERV	Service Rig		
04:00 04:30	0.50	15,935	Prod	Lat	Drill	TOPSVC	Service Top Drive.		
04:30 05:00	0.50	15,935	Prod	Lat	Drill	PUBHA	P/U Baker Reamer assembly, M/U bit T/ 38'		

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING			HRS SLIDING					
Flare:	Dur	An	P	Ht	Hk Loads:		Rot	PU	SO				Daily	Cum	Daily	Cum					
817/917/42													3.0			362.5			127.5		
MUD REPORTS																					
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels			
15-Jun-2012 12:00	13.2	43			2	13	12	9	20.2	79.8			1	88000				8/11'			
BIT INFORMATION									BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull	
6/1	STC	MDI711		6.13	16/16/16/16			594	17	35	12	47	1	2	WT	S	2	1	WT	TD	
5/1	STC	MDI711		6.13	16/16/16/16			3582	178	20	20	37	1	2	WT	N	1	0	CT	DTF	
SURVEYS													BHA COMPONENTS								
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item			Len						
MWD	15,047	90.8	338.5	11,379	3,776	-1,111	3,936	1.5	6	0	4.000	Drill Pipe			15,694.14						
MWD	15,141	91.4	337.2	11,377	3,863	-1,147	4,029	1.5	6	1	5.250	XO Sub			2.48						
MWD	15,235	91.8	336.5	11,375	3,949	-1,184	4,123	0.9	6	1	4.750	NMDC			31.04						
MWD	15,330	91.8	335.9	11,372	4,036	-1,222	4,217	0.6	6	1	4.500	NMDC			31.13						
MWD	15,424	88.8	337.1	11,371	4,122	-1,260	4,310	3.4	6	1	4.500	NMDC			31.14						
MWD	15,518	89.1	337.3	11,373	4,209	-1,296	4,404	0.4	6	1	4.188	UBHO Sub			3.01						
MWD	15,613	89.3	337.3	11,374	4,297	-1,333	4,498	0.3	6	1	4.750	Float Sub			3.51						
MWD	15,707	89.5	337.2	11,375	4,383	-1,369	4,591	0.2	6	1	4.750	Mud Motor - Bent Housing			22.80						
MWD	15,801	89.7	336.9	11,376	4,470	-1,406	4,685	0.4													
MWD	15,884	89.6	336.3	11,376	4,546	-1,439	4,767	0.6													
FORMATION TOPS				MUD LOG							Pore										
Target Form: HALEY				Depth	Gas:Back		Max	Conn	Trip	Pres											
Form Name	Depth:Prog	Actual	Shows and Lithology:																		
SALT	4,888																				
DELAWARE	5,098																				
CHERRY CANYON	6,081																				
BRUSHY CANYON	7,432																				
BONE SPRING	8,634																				

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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 39

Rig Release:

For 5:00 AM 17-Jun-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 15,935	RKB/GL EL: 25 / 2813	Avg ROP: 0	Spud Date: 09-May-12
Last Casing: Intermediate - 11759	Hole Made: 0	Drig AFE \$: 4,174,500	Drill Hrs: 0
Next Casing: Planned Liner - 15980	AFE No: 170088	Daily AFE \$: 13,358	Total AFE \$: 6,740,500
BOP Tested: 05/31/2012	Report No: 43	Cum Mud \$: 277,720	Daily Well Cost \$: 49,639
Projected TD: 15,000	Proj. Days: 35		Cum Well Cost \$: 3,569,004

OPERATIONS SUMMARY												
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)					
05:00 09:30	4.50	15,935	Comp	Comp	Comp	TIH	TIH F/ 38" T/ 5150' FILLING PIPE EVERY 30 STANDS.					
09:30 10:00	0.50	15,935	Comp	Comp	Comp	TOPSVC	Service TDS Unit.					
10:00 13:00	3.00	15,935	Comp	Comp	Comp	TIH	TIH F/ 5150' T/ 11684' FILLING PIPE EVERY 30 STANDS.					
13:00 14:30	1.50	15,935	Comp	Comp	Comp	CIRC	Fill Pipe String, and Work To FS, Circulate and Condition Mud @ FS, 11759'					
14:30 05:00	14.50	15,935	Comp	Comp	Comp	REAM	Reaming F/ 11759' - '1, 15,050' @ = 3,291' @ 227 ft/hr, WOB: 5-10, RPM: 80, GPM: 251, PPSI: 2250, RTorq: 7000-8500, Full Returns.					

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING				HRS SLIDING				
Flare:	Dur	An	P	Ht	Hk Loads:		Rot	PU	SO				Daily	Cum	Daily	Cum					
817/917/42													362.5				127.5				
MUD REPORTS																					
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels			
16-Jun-2012 18:00	13.5	44			2	12	18	9	21.5	78.5			1.4	88000				8/12'			
BIT INFORMATION									BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles				Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
6/1	STC	MDI711		6.13	16/16/16/16				594	17	35	12	47	1	2	WT	S	2	1	WT	TD
5/1	STC	MDI711		6.13	16/16/16/16				3582	178	20	20	37	1	2	WT	N	1	0	CT	DTF
SURVEYS													BHA COMPONENTS								
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item				Len					
MWD	15,047	90.8	338.5						6	0	4.000	Drill Pipe				15,694.14					
MWD	15,141	91.4	337.2						6	1	5.250	XO Sub				2.48					
MWD	15,235	91.8	336.5						6	1	4.750	NMDC				31.04					
MWD	15,330	91.8	335.9						6	1	4.500	NMDC				31.13					
MWD	15,424	88.8	337.1						6	1	4.500	NMDC				31.14					
MWD	15,518	89.1	337.3						6	1	4.188	UBHO Sub				3.01					
MWD	15,613	89.3	337.3	11,374	4,297	-1,333	4,498	0.3	6	1	4.750	Float Sub				3.51					
MWD	15,707	89.5	337.2						6	1	4.750	Mud Motor - Bent Housing				22.80					
MWD	15,801	89.7	336.9																		
MWD	15,884	89.6	336.3	11,376	4,546	-1,439	4,767	0.6													
FORMATION TOPS				MUD LOG								Pore									
Target Form: HALEY				Depth	Gas:Back		Max	Conn	Trip	Pres											
Form Name	Depth:Prog		Actual	Shows and Lithology:																	
SALT	4,888																				
DELAWARE	5,098																				
CHERRY CANYON	6,081																				
BRUSHY CANYON	7,432																				
BONE SPRING	8,634																				

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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 40			Rig Release:			For 5:00 AM 18-Jun-2012		
District: PERMIAN			Objective: Bone Spring			Rig: Trinidad 102		
Depth: 15,935			RKB/GL EL: 25 / 2813			Spud Date: 09-May-12		
Last Casing: Intermediate - 11759			Hole Made: 0			Drill Hrs: 0		
Next Casing: Planned Liner - 15980			AFE No: 170088			Total AFE \$: 6,740,500		
BOP Tested: 05/31/2012			Report No: 44			Daily Well Cost \$: 52,061		
Projected TD: 15,000			Proj. Days: 35			Cum Well Cost \$: 3,621,065		
Survey:			Avg ROP: 0			Drig AFE \$: 4,174,500		
Daily Mud \$: 15,837			Cum Mud \$: 293,320					

OPERATIONS SUMMARY									
From	To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)	
05:00	09:30	4.50	15,935	Comp	Comp	Comp	REAM	Reaming F/ 15050' - ', 15935' @ = 885' @ 197 ft/hr, WOB: 5-10, RPM: 80, GPM: 251, PPSI: 2450, RTorq: 8500-9500, Full Returns.	
09:30	13:30	4.00	15,935	Comp	Comp	Comp	CIRC	Circulate and Sweep Hole Clean, Spot ECD Pill @ 9000' and Lubra-Glide Pill in Lateral with Slug in Pipe.	
13:30	16:30	3.00	15,935	Comp	Comp	Comp	TOOH	TOOH F/ 15935' - 10,000', Hole taking proper fill.	
16:30	17:00	0.50	15,935	Comp	Comp	Comp	BOPO	Remove rotating rubber install trip nipple. Flow Check (OK).	
17:00	22:00	5.00	15,935	Comp	Comp	Comp	TOOH	TOOH F/ 10,000' - 38', Hole taking proper fill.	
22:00	22:30	0.50	15,935	Comp	Comp	Comp	LDBHA	Break bit and L/D Baker reamer assembly. Guage Reamers (OK).	
22:30	23:00	0.50	15,935	Comp	Comp	Comp	BOPO	Remove wear bushing, verify packing glands are tight with company representative.	
23:00	23:30	0.50	15,935	Comp	Comp	Comp	RIG SERV	Service Rig.	
23:30	00:00	0.50	15,935	Comp	Comp	Comp	TOPSVC	Service top drive.	
00:00	02:00	2.00	15,935	Comp	Comp	Csg	RURD	PJSM w/ Byrd, Baker and rig crew, R/U elevators, Torque turn and casing crew.	
02:00	03:30	1.50	15,935	Comp	Comp	Csg	REPS	Trouble shoot and work on Torque Turn, Replace dump valve.	
03:30	05:00	1.50	15,935	Comp	Comp	Csg	CASE	Make Up Double Valve Float Shoe, Double Valve Float Collar, WIV Tool & Test (OK) Run 697' of 4 1/2" 13.5# P110 LTC. Casing W/ Baker Frac Assy. as designed	

MISCELLANEOUS DRILLING INFORMATION									HRS ROTATING		HRS SLIDING		
Flare:	Dur	An P	Ht	Hk Loads:	Rot	PU	SO		Daily	Cum	Daily	Cum	
817/917/42										362.5		127.5	

MUD REPORTS																			
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels	
17-Jun-2012 12:00	13	41			1	15	10	9	20	80			2	90000				6/10/	

BIT INFORMATION						BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles	Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
6/1	STC	MDI711		6.13	16/16/16/16	594	17	35	12	47	1	2	WT	S	2	1	WT	TD
5/1	STC	MDI711		6.13	16/16/16/16	3582	178	20	20	37	1	2	WT	N	1	0	CT	DTF

SURVEYS										BHA COMPONENTS									
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS		Str	Qty	O.D.	Item		Len				
MWD	15,047	90.8	338.5	11,379	3,776	-1,111	3,936	1.5		6	0	4.000	Drill Pipe		15,694.14				
MWD	15,141	91.4	337.2	11,377	3,863	-1,147	4,029	1.5		6	1	5.250	XO Sub		2.48				
MWD	15,235	91.8	336.5	11,375	3,949	-1,184	4,123	0.9		6	1	4.750	NMDC		31.04				
MWD	15,330	91.8	335.9	11,372	4,036	-1,222	4,217	0.6		6	1	4.500	NMDC		31.13				
MWD	15,424	88.8	337.1	11,371	4,122	-1,260	4,310	3.4		6	1	4.500	NMDC		31.14				
MWD	15,518	89.1	337.3	11,373	4,209	-1,296	4,404	0.4		6	1	4.188	UBHO Sub		3.01				
MWD	15,613	89.3	337.3	11,374	4,297	-1,333	4,498	0.3		6	1	4.750	Float Sub		3.51				
MWD	15,707	89.5	337.2	11,375	4,383	-1,369	4,591	0.2		6	1	4.750	Mud Motor - Bent Housing		22.80				
MWD	15,801	89.7	336.9	11,376	4,470	-1,406	4,685	0.4											
MWD	15,884	89.6	336.3	11,376	4,546	-1,439	4,767	0.6											

FORMATION TOPS			MUD LOG					Pore
Target Form: HALEY			Depth	Gas:Back	Max	Conn	Trip	Pres
Form Name	Depth:Prog	Actual	Shows and Lithology:					
SALT		4,888						
DELAWARE		5,098						
CHERRY CANYON		6,081						
BRUSHY CANYON		7,432						
BONE SPRING		8,634						

CHESAPEAKE OPERATING, INC.
P.O. Box 18496
Oklahoma City, Oklahoma 73154-0496
405.848.8000
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 41

Rig Release:

For 5:00 AM 19-Jun-2012

District: PERMIAN	Objective: Bone Spring	Rig: Trinidad 102
Depth: 15,935	RKB/GL EL: 25 / 2813	Spud Date: 09-May-12
Last Casing: Intermediate - 11759	Hole Made: 0	Drill Hrs: 0
Next Casing: Planned Liner - 15980	AFE No: 170088	Total AFE \$: 6,740,500
BOP Tested: 05/31/2012	Report No: 45	Daily Well Cost \$: 56,775
Projected TD: 15,000	Proj. Days: 35	Cum Well Cost \$: 3,677,840
Avg ROP: 0	Drig AFE \$: 4,174,500	
Daily Mud \$:	Cum Mud \$: 293,320	

OPERATIONS SUMMARY										
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)			
05:00 12:30	7.50	15,935	Comp	Comp	Csg	CASE	RIH 4.5" P110 13.5# LTC Liner F/ 697' - 5078', Filling Every 20 fts.			
12:30 13:00	0.50	15,935	Comp	Comp	Csg	RPKR	P/U Hanger Assy, and Push Sub. Fill String and Estabashish circulation			
13:00 14:00	1.00	15,935	Comp	Comp	Csg	RURD	R/D Casing Crew and Equipment.			
14:00 17:00	3.00	15,935	Comp	Comp	Csg	BHA	P/U 4 3/4 DC F/ 5,137' T/ 5,752'			
17:00 17:30	0.50	15,935	Comp	Comp	Csg	RIG SERV	Service Rig			
17:30 18:00	0.50	15,935	Comp	Comp	Csg	TOPSVC	Service Tp Drive			
18:00 23:00	5.00	15,935	Comp	Comp	Csg	TIH	TIH F/ 5,732' T/ 11,700' Filling every 30 stands.			
23:00 23:30	0.50	15,935	Comp	Comp	Csg	BOPO	Remove Trip Nipple and Install Rotating Rubber.			
23:30 00:00	0.50	15,935	Comp	Comp	Csg	CIRCULATE	Attempt to circulate bottoms up 800 PSI due to differential pressure from ECD Pill. Unable to move mud.			
00:00 00:30	0.50	15,935	Comp	Comp	Csg	TOOH	TOOH F/ 11,700' T/ 11,306'.			
00:30 03:00	2.50	15,935	Comp	Comp	Csg	CIRCULATE	Cir. Heavy Mud out of hole @ 3 BBLS/Min - 1000 psi. Full Returns.			
03:00 03:30	0.50	15,935	Comp	Comp	Csg	TIH	TIH F/11,306' T/ 11,700'.			
03:30 04:30	1.00	15,935	Comp	Comp	Csg	CIRC	Break Circulation and Establish Full Returns, No Losses.			
04:30 05:00	0.50	15,935	Comp	Comp	Csg	TIH	TIH thru Lateral F/ 11700' - 13000', Hole Slick.			

MISCELLANEOUS DRILLING INFORMATION											HRS ROTATING				HRS SLIDING					
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO			Daily		Cum	Daily	Cum					
817/917/42													362.5		127.5					
MUD REPORTS																				
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels		
18-Jun-2012 05:00	13	41			1	15	10	9	20	80			18.6	90000				6/10'		
BIT INFORMATION								BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
6/1	STC	MDI711		6.13	16/16/16/16			594	17	35	12	47	1	2	WT	S	2	1	WT	TD
5/1	STC	MDI711		6.13	16/16/16/16			3582	178	20	20	37	1	2	WT	N	1	0	CT	DTF
SURVEYS													BHA COMPONENTS							
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item		Len						
MWD	15,047	90.8	338.5						6	0	4.000	Drill Pipe		15,694.14						
MWD	15,141	91.4	337.2						6	1	5.250	XO Sub		2.48						
MWD	15,235	91.8	336.5						6	1	4.750	NMDC		31.04						
MWD	15,330	91.8	335.9						6	1	4.500	NMDC		31.13						
MWD	15,424	88.8	337.1	11,371	4,122	-1,260	4,310	3.4	6	1	4.500	NMDC		31.14						
MWD	15,518	89.1	337.3	11,373	4,209	-1,296	4,404	0.4	6	1	4.188	UBHO Sub		3.01						
MWD	15,613	89.3	337.3	11,374	4,297	-1,333	4,498	0.3	6	1	4.750	Float Sub		3.51						
MWD	15,707	89.5	337.2						6	1	4.750	Mud Motor - Bent Housing		22.80						
MWD	15,801	89.7	336.9																	
MWD	15,884	89.6	336.3	11,376	4,546	-1,439	4,767	0.6												
FORMATION TOPS				MUD LOG					Pore											
Target Form: HALEY				Depth	Gas:Back	Max	Conn	Trip	Pres											
Form Name	Depth:Prog	Actual	Shows and Lithology:																	
SALT		4,888																		
DELAWARE		5,098																		
CHERRY CANYON		6,081																		
BRUSHY CANYON		7,432																		
BONE SPRING		8,634																		

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 42

Rig Release:

For 5:00 AM 20-Jun-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 15,935	RKB/GL EL: 25 / 2813	Avg ROP: 0	Spud Date: 09-May-12
Last Casing: Production Liner - 15928	Hole Made: 0	Drig AFE \$: 4,174,500	Drill Hrs: 0
Next Casing: Planned Liner - 15980	AFE No: 170088	Daily AFE \$: 761	Total AFE \$: 6,740,500
BOP Tested: 05/31/2012	Report No: 46	Cum Mud \$: 294,081	Daily Well Cost \$: 124,959
Projected TD: 15,000	Proj. Days: 35		Cum Well Cost \$: 3,803,792

OPERATIONS SUMMARY												
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)					
05:00 10:00	5.00	15,935	Comp	Comp	Csg	CASE	TIH F/11,700' T/ 15,935' With 4.5" Liner and Baker Frac Assembly (Wash F/ 15000' - 15935', Tag Bottom)					
10:00 12:00	2.00	15,935	Comp	Comp	Csg	CIRC	Circulate Out Gas at 3 BBLS/Min, 700 psi.					
12:00 15:30	3.50	15,935	Comp	Comp	Csg	CIRCULATE	Pump 25 BBLS FW, 25 BBLS High Vis Spacer; Pump 130 BBLS CaCl, Drop WVV Ball, 80 BBLS CaCL, 85 BBLS System Mud, Land Ball in WIV Tool @ 200 PSI; Pressure Up 2,800 PSI, Set 50 K Down, Release liner Hanger & Set ZXP Packer. Test Liner Top Packer To 2500 PSI.					
15:30 18:00	2.50	15,935	Comp	Comp	Csg	CIRC	Displace Drill String and Annulus Polymer mud with 350 BBLS Calcium Chloride.					
18:00 18:30	0.50	15,935	Comp	Comp	Csg	RURD	Rig Down Halliburton and Check Flow, NO FLOW.					
18:30 19:30	1.00	15,935	Comp	Comp	Csg	LDDS	L/D 4" DP F/ 10,851' T/ 10,200' Hole taking proper fill. Cleaning pits.					
19:30 20:00	0.50	15,935	Comp	Comp	Csg	BOPO	Remove rotating head and install trip nipple.					
20:00 06:00	10.00	15,935	Comp	Comp	Csg	LDDS	L/D 4" DP F/ 10,200' T/ 2,800' Hole taking proper fill. Cleaning pits.					

MISCELLANEOUS DRILLING INFORMATION											HRS ROTATING			HRS SLIDING						
Flare:	Dur	An P	Ht	Hk Loads:		Rot	PU	SO			Daily		Cum	Daily	Cum					
817/917/42														362.5		127.5				
MUD REPORTS																				
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels		
19-Jun-2012 05:00	13	41			1	15	10	9	20	80			18.7	90000				6/10/		
BIT INFORMATION								BIT RUN		REPORT			GRADING							
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
6/1	STC	MDI711		6.13	16/16/16/16			594	17	35	12	47	1	2	WT	S	2	1	WT	TD
5/1	STC	MDI711		6.13	16/16/16/16			3582	178	20	20	37	1	2	WT	N	1	0	CT	DTF
SURVEYS													BHA COMPONENTS							
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item				Len				
MWD	15,047	90.8	338.5	11,379	3,776	-1,111	3,936	1.5	6	0	4.000	Drill Pipe				15,694.14				
MWD	15,141	91.4	337.2	11,377	3,863	-1,147	4,029	1.5	6	1	5.250	XO Sub				2.48				
MWD	15,235	91.8	336.5	11,375	3,949	-1,184	4,123	0.9	6	1	4.750	NMDC				31.04				
MWD	15,330	91.8	335.9	11,372	4,036	-1,222	4,217	0.6	6	1	4.500	NMDC				31.13				
MWD	15,424	88.8	337.1	11,371	4,122	-1,260	4,310	3.4	6	1	4.500	NMDC				31.14				
MWD	15,518	89.1	337.3	11,373	4,209	-1,296	4,404	0.4	6	1	4.188	UBHO Sub				3.01				
MWD	15,613	89.3	337.3	11,374	4,297	-1,333	4,498	0.3	6	1	4.750	Float Sub				3.51				
MWD	15,707	89.5	337.2	11,375	4,383	-1,369	4,591	0.2	6	1	4.750	Mud Motor - Bent Housing				22.80				
MWD	15,801	89.7	336.9	11,376	4,470	-1,406	4,685	0.4												
MWD	15,884	89.6	336.3	11,376	4,546	-1,439	4,767	0.6												
FORMATION TOPS				MUD LOG					Pore											
Target Form: HALEY				Depth	Gas:Back	Max	Conn	Trip	Pres											
Form Name	Depth:Prog	Actual	Shows and Lithology:																	
SALT	4,888																			
DELAWARE	5,098																			
CHERRY CANYON	6,081																			
BRUSHY CANYON	7,432																			
BONE SPRING	8,634																			

CHESAPEAKE OPERATING, INC.
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Daily Drilling Report

Well ID: 644095

Field: HALEY

Chesapeake Operating, Inc.

Well Name: UNIVERSITY 19-19 2H

Sect: 0 Town: Rng: County: LOVING State: TX

Drilling Days: 43

Rig Release:

For 5:00 AM 21-Jun-2012

District: PERMIAN	Objective: Bone Spring	Survey:	Rig: Trinidad 102
Depth: 15,935	RKB/GL EL: 25 / 2813	Avg ROP: 0	Spud Date: 09-May-12
Last Casing: Production Liner - 15928	Hole Made: 0	Drig AFE \$: 4,174,500	Drill Hrs: 0
Next Casing: Planned Liner - 15980	AFE No: 170088	Daily AFE \$: 6,740,500	Total AFE \$: 6,740,500
BOP Tested: 05/31/2012	Report No: 47	Daily Mud \$:	Daily Well Cost \$: 259,283
Projected TD: 15,000	Proj. Days: 35	Cum Mud \$: 294,081	Cum Well Cost \$: 4,067,545

OPERATIONS SUMMARY												
From To	Dur	End MD	Hole Section	Interval	Activity	Code	Operations Description (From - To, Footage, ROP, % Returns, TFO)					
05:00	06:00	1.00	15,935	Comp	Comp	Csg	LDDS	L/D 4" DP F/ 2,800' T/ 1,800'. HOLE TAKING PROPER FILL.				
06:00	06:30	0.50	15,935	Comp	Comp	Csg	RIG SERV	SERVICE RIG.				
06:30	10:00	3.50	15,935	Comp	Comp	Csg	LDDS	L/D 4" DP AND 20 JTS OF 4 3/4 DC F/ 1,800' T/ SURFACE. HOLE TAKING PROPER FILL.				
10:00	13:00	3.00	15,935	Comp	Comp	Csg	TIH	TIH F/ 0' T/ 5,550' TO LAY DOWN PIPE IN DERRICK.				
13:00	21:00	8.00	15,935	Comp	Comp	Csg	LDDS	L/D 4" DP AND 20 JTS OF 4 3/4 DC F/ 5,500' T/ SURFACE. HOLE TAKING PROPER FILL. WASH OUT SURFACE LINES.				
21:00	23:00	2.00	15,935	Comp	Comp	Csg	BOPO	C/O TOP FLEX RAMS.				
23:00	04:00	5.00	15,935	Comp	Comp	Csg	BOPND	NIPPLE DOWN BOP'S.				
04:00	05:00	1.00	15,935	Comp	Comp	Csg	BOPO	INSTALL WELL HEAD RIG RELEASED @ 5 AM ON 6/21/12.				

MISCELLANEOUS DRILLING INFORMATION													HRS ROTATING			HRS SLIDING				
Flare:	Dur	An P	Ht	Hk Loads:			Rot	PU	SO				Daily	Cum	Daily	Cum				
817/917/42													362.5			127.5				
MUD REPORTS																				
Date/Time	Dens	Vis	HTHP	Filtrate	Cake	PV	YP	pH	Solids	Water	Oil	Sand	LGS	Chloride	LCM	ES	OBM	Gels		
BIT INFORMATION									BIT RUN		REPORT			GRADING						
No/Run	Make	Model	IADC	Diam	Nozzles			Dist	Hrs	ROP	WOB	RPM	In	Out	Maj	Loc	Brg	Gge	Oth	Pull
6/1	STC	MDI711		6.13	16/16/16/16			594	17	35	12	47	1	2	WT	S	2	1	WT	TD
5/1	STC	MDI711		6.13	16/16/16/16			3582	178	20	20	37	1	2	WT	N	1	0	CT	DTF
SURVEYS													BHA COMPONENTS							
TYPE	MD	INC	AZM	TVD	NS	EW	VS	DLS	Str	Qty	O.D.	Item		Len						
MWD	15,047	90.8	338.5	11,379	3,776	-1,111	3,936	1.5	6	0	4.000	Drill Pipe		15,694.14						
MWD	15,141	91.4	337.2	11,377	3,863	-1,147	4,029	1.5	6	1	5.250	XO Sub		2.48						
MWD	15,235	91.8	336.5	11,375	3,949	-1,184	4,123	0.9	6	1	4.750	NMDC		31.04						
MWD	15,330	91.8	335.9	11,372	4,036	-1,222	4,217	0.6	6	1	4.500	NMDC		31.13						
MWD	15,424	88.8	337.1	11,371	4,122	-1,260	4,310	3.4	6	1	4.500	NMDC		31.14						
MWD	15,518	89.1	337.3	11,373	4,209	-1,296	4,404	0.4	6	1	4.188	UBHO Sub		3.01						
MWD	15,613	89.3	337.3	11,374	4,297	-1,333	4,498	0.3	6	1	4.750	Float Sub		3.51						
MWD	15,707	89.5	337.2	11,375	4,383	-1,369	4,591	0.2	6	1	4.750	Mud Motor - Bent Housing		22.80						
MWD	15,801	89.7	336.9	11,376	4,470	-1,406	4,685	0.4												
MWD	15,884	89.6	336.3	11,376	4,546	-1,439	4,767	0.6												
FORMATION TOPS				MUD LOG							Pore									
Target Form: HALEY				Depth	Gas:Back		Max	Conn	Trip	Pres										
Form Name		Depth:Prog	Actual	Shows and Lithology:																
SALT		4,888																		
DELAWARE		5,098																		
CHERRY CANYON		6,081																		
BRUSHY CANYON		7,432																		
BONE SPRING		8,634																		

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/2/2012	1	15,935	\$3,445	\$4,060,457

Present Operation:
BUILD BATTERY

Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12

Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/3/2012	2	15,935	\$3,445	\$4,063,902

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/4/2012	3	15,935	\$5,840	\$4,069,742

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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405.879.7917 FAX

Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/5/2012	4	15,935	\$5,645	\$4,075,387

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/6/2012	5	15,935	\$4,895	\$4,080,282

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/7/2012	6	15,935	\$2,895	\$4,083,177

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/8/2012	7	15,935	\$2,295	\$4,085,472

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/9/2012	8	15,935	\$5,093	\$4,090,565

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report

Chesapeake Operating, Inc.

Well ID: 644095

Well Name: UNIVERSITY 19-19 2H

Status: W/O COMPLETION

Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX

AFE#170088

API: 4230131709

Target Formation: BONE SPRING SAND

Spud Date:5/9/2012

Job Type: New Install

Proposed Total Depth: 15,000

Rig Release Date:6/21/2012

Project Description:

First Gas Sales Date:

Date	Day	Total Depth	Daily Cost	Cum Cost
7/10/2012	9	15,935	\$4,455	\$4,095,020

Present Operation:
BUILD BATTERY

Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12

Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/11/2012	10	15,935	\$5,655	\$4,100,675

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/12/2012	11	15,935	\$70,923	\$4,171,598

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report

Chesapeake Operating, Inc.

Well ID: 644095

Well Name: UNIVERSITY 19-19 2H

Status: W/O COMPLETION

Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX

AFE#170088

API: 4230131709

Target Formation: BONE SPRING SAND

Spud Date:5/9/2012

Job Type: New Install

Proposed Total Depth: 15,000

Rig Release Date:6/21/2012

Project Description:

First Gas Sales Date:

Date	Day	Total Depth	Daily Cost	Cum Cost
7/13/2012	12	15,935	\$7,150	\$4,178,748

Present Operation:
BUILD BATTERY

Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12

Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/14/2012	13	15,935	\$3,450	\$4,182,198

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/15/2012	14	15,935	\$2,050	\$4,184,248

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/16/2012	15	15,935	\$1,600	\$4,185,848

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report

Chesapeake Operating, Inc.

Well ID: 644095

Well Name: UNIVERSITY 19-19 2H

Status: W/O COMPLETION

Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX

AFE#170088

API: 4230131709

Target Formation: BONE SPRING SAND

Spud Date:5/9/2012

Job Type: New Install

Proposed Total Depth: 15,000

Rig Release Date:6/21/2012

Project Description:

First Gas Sales Date:

Date	Day	Total Depth	Daily Cost	Cum Cost
7/17/2012	16	15,935	\$8,653	\$4,194,501

Present Operation:
BUILD BATTERY

Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12

Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/18/2012	17	15,935	\$1,400	\$4,195,901

Present Operation:
BUILD BATTERY
Work Details:
HOOK UP PROD EQUIP EST COMP 7/24/12
Planned Activity:
BUILD BATTERY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/23/2012	22	15,935	\$200	\$4,196,901

Present Operation:
NO ACTIVITY
Work Details:
NO ACTIVITY
Planned Activity:
NO ACTIVITY

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:		Water Prod:
		Cum Water Recovered:	
		Water Left To Recover:	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: W/O COMPLETION			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	Initial Completion		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/24/2012	1	15,935	\$86,230	\$4,283,331

Present Operation:
N/U frac stack, open P-Sleeve

Work Details:
SICP: 0 psi.
Held safety meeting.

N/U 7 1/16" X 10K frac stack, flow back manifold and iron, test to 250/10,000 psi.

MIRU Cased Hole Solutions pump truck. Press test 7" X 9/5/8" annulus to 1,500 psi. Pump down 7" and 4 1/2" liner @ 6 BPM to 6,800 psi Opened P-Sleeve @ 15,752'. EST injection rate 10 BPM 3,900 psi pumped 60 bbls. ISIP; 3,250 psi. Release pump truck and all related equip. Secure well and SD waiting on frac.

Planned Activity:
Fill frac tanks and frac pit.

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: COMPLETING			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	Initial Completion		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/25/2012	2	15,935	\$62,530	\$4,346,061

Present Operation:
MI Fill tanks and pit.

Work Details:
SICP: 2,900 psi.
MI and fill frac tanks and pit.

Planned Activity:
Cont fill tanks and pit.

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Page: 1 of 3

Workover and Completion Report

Chesapeake Operating, Inc.

Well ID: 644095

Well Name: UNIVERSITY 19-19 2H

Status: COMPLETING

Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING, TX

AFE# 170088 API: 4230131709 Target Formation: BONE SPRING SAND Spud Date: 5/9/2012

Job Type: Initial Completion Proposed Total Depth: 15,000 Rig Release Date: 6/21/2012

Project Description: First Gas Sales Date:

Date	Day	Total Depth	Daily Cost	Cum Cost
7/27/2012	4	15,935	\$77,630	\$4,458,621

Present Operation:

MIRU Frac Tech.

Work Details:

SICP: 2,900 psi.
Held safety meeting.
MIRU Frac Tech.

Planned Activity:

Frac.

Workover and Completion Report

Chesapeake Operating, Inc.

Well ID: 644095

Well Name: UNIVERSITY 19-19 2H

Status: COMPLETING

Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING, TX

AFE# 170088 API: 4230131709

Target Formation: BONE SPRING SAND

Spud Date: 5/9/2012

Job Type: Initial Completion

Proposed Total Depth: 15,000

Rig Release Date: 6/21/2012

Project Description:

First Gas Sales Date:

Date	Day	Total Depth	Daily Cost	Cum Cost
7/28/2012	5	15,935	\$443,780	\$4,902,401

Present Operation:

Frac stages 1 thru 5.

Work Details:

SICP: 2,600 psi.

Held safety meeting.

Pumped 119 bbls 15% HCL acid.

Frac stage 1 P-sleeve at (15,753' - 15,757') as designed.

Dropped 3.000" ball. Opened 2nd frac sleeve at (15,233 - 15,237"), 10 bpm 7,136 psi.

Frac stage 2 as designed.

Dropped 3.125" ball and opened 3rd frac sleeve at (14,713' - 14,717"), 10 bpm 7,213 psi.

Frac stage 3 had to extend 1 1/2# 30/40 had gel problems. Fixed gel problems cont fracing as designed.

Dropped 3.250" ball and opened 4th frac sleeve at (14,193' - 14,197"), 10 bpm 7,170 psi.

Frac stage 4 as designed.

Dropped 3.375" ball and opened 5th frac sleeve at (13,675' - 13,679"), 10 bpm 7,153 psi.

Frac stage 5 as designed.

Dropped 3.500" ball and opened 6th frac sleeve at (13,160' - 13,164"), 10 bpm 7,153 psi. Pump 100 bbls of slick water. ISIP: 4,882 psi. Secure well and SDFN.

Planned Activity:

Frac stages 6, 7 and 8.

Stimulations Stage 1					
Type: Frac		Zone: BONE SPRING		Stim/Treat Company: Frac Tech	
Pre-Treat SIP:	Pre-Treat SICP: 2600	Pre Job ISIP:	Pre Job ISIP:	Avg Treat Rate: 51.00	Post Job ISIP: 0
Pre Job Frac Grad:	Post Job Frac Grad:	Prop Designed: 247000	Prop In Formation: 247660	Min Treat Rate: 10.00	Max Treat Rate: 56.00
Breakdown Rate: 10	Breakdown Pres:	Min Treat Pres: 2600	Max Treat Pres: 7800	5 Min SIP:	10 Min SIP:
Final Shut-in Pres:	Delta P Net:	Treatment Fluid Temp:	Avg Gas Rate:	Min Gas Rate:	Max Gas Rate:
Tech Rslt Dtl: According to Plan		Tech Rslt Notes:		Tagged with RA: No	RA Type:
Comment:					

Proppant Summary		
100 Mesh	100 Mesh Sand	12,390
20/40	Optiprop G2	52,380
30/50	White Sand	182,890
Proppant Total		247,660
Max Concentration		4.00
Fluid Summary		
15% HCl		119.0
25# Linear Gel		977.0
25# X-Link Gel		1,891.0
Slickwater		1,803.0
Fluid Total		4,790.0

Perforations Stage 2

BONE SPRING	15233 - 15237	0 SPF	0 Shots
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Stimulations Stage 2

Type: Frac		Zone: BONE SPRING		Stim/Treat Company: Frac Tech	
Pre-Treat SIP:	Pre-Treat SICP:	Pre Job ISIP:	Pre Job ISIP:	Avg Treat Rate: 51.00	Post Job ISIP: 0
Pre Job Frac Grad:	Post Job Frac Grad:	Prop Designed: 247000	Prop In Formation: 247900	Min Treat Rate: 10.00	Max Treat Rate: 53.00
Breakdown Rate: 10	Breakdown Pres: 7136	Min Treat Pres: 5100	Max Treat Pres: 7123	5 Min SIP:	10 Min SIP:
Final Shut-in Pres:	Delta P Net:	Treatment Fluid Temp:	Avg Gas Rate:	Min Gas Rate:	Max Gas Rate:
Tech Rslt Dtl: According to Plan		Tech Rslt Notes:		Tagged with RA: No	RA Type:
Comment:					

Proppant Summary		
100 Mesh	100 Mesh Sand	11,980
20/40	Optiprop G2	52,000
30/50	White Sand	183,920
Proppant Total		247,900
Max Concentration		4.00
Fluid Summary		
25# Linear Gel		967.0
25# X-Link Gel		1,609.0
Slickwater		1,576.0
Fluid Total		4,152.0

Perforations Stage 3

BONE SPRING	14713 - 14717	0 SPF	0 Shots
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Stimulations Stage 3

Type: Frac		Zone: BONE SPRING		Stim/Treat Company: Frac Tech	
Pre-Treat SIP:	Pre-Treat SICP:	Pre Job ISIP:	Pre Job ISIP:	Avg Treat Rate: 51.00	Post Job ISIP: 0
Pre Job Frac Grad:	Post Job Frac Grad:	Prop Designed: 247000	Prop In Formation: 246740	Min Treat Rate: 10.00	Max Treat Rate: 53.00
Breakdown Rate: 10	Breakdown Pres: 7113	Min Treat Pres: 4800	Max Treat Pres: 7213	5 Min SIP:	10 Min SIP:
Final Shut-in Pres:	Delta P Net:	Treatment Fluid Temp:	Avg Gas Rate:	Min Gas Rate:	Max Gas Rate:
Tech Rslt Dtl: Fluid Problems		Tech Rslt Notes:		Tagged with RA: No	RA Type:
Comment:					

Proppant Summary		
100 Mesh	100 Mesh Sand	11,580
20/40	Optiprop G2	52,660
30/50	White Sand	182,500
Proppant Total		246,740
Max Concentration		4.00
Fluid Summary		
25# Linear Gel		1,458.0
25# X-Link Gel		1,629.0
Slickwater		1,602.0
Fluid Total		4,689.0

Perforations Stage 4

BONE SPRING	14193 - 14197	0 SPF	0 Shots
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Stimulations Stage 4

Type: Frac		Zone: BONE SPRING		Stim/Treat Company: Frac Tech	
Pre-Treat SIP:	Pre-Treat SICP:	Pre Job ISIP:	Pre Job ISIP:	Avg Treat Rate: 49.00	Post Job ISIP: 0
Pre Job Frac Grad:	Post Job Frac Grad:	Prop Designed: 247000	Prop In Formation: 247160	Min Treat Rate: 10.00	Max Treat Rate: 52.00
Breakdown Rate: 10	Breakdown Pres: 7136	Min Treat Pres: 5200	Max Treat Pres: 6311	5 Min SIP:	10 Min SIP:
Final Shut-in Pres:	Delta P Net:	Treatment Fluid Temp:	Avg Gas Rate:	Min Gas Rate:	Max Gas Rate:
Tech Rslt Dtl: According to Plan		Tech Rslt Notes:		Tagged with RA: No	RA Type:
Comment:					

Proppant Summary		
100 Mesh	100 Mesh Sand	11,980
20/40	Optiprop G2	52,000
30/50	White Sand	183,180
Proppant Total		247,160
Max Concentration		4.00
Fluid Summary		
25# Linear Gel		923.0
25# X-Link Gel		1,890.0
Slickwater		1,468.0
Fluid Total		4,281.0

Perforations Stage 5

BONE SPRING	13675 - 13679	0 SPF	0 Shots
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Stimulations Stage 5

Type: Frac		Zone: BONE SPRING		Stim/Treat Company: Frac Tech	
Pre-Treat SIP:	Pre-Treat SICP:	Pre Job ISIP:	Pre Job ISIP:	Avg Treat Rate: 47.00	Post Job ISIP: 4882
Pre Job Frac Grad:	Post Job Frac Grad:	Prop Designed: 247000	Prop In Formation: 247250	Min Treat Rate: 10.00	Max Treat Rate: 52.00

Print Date: 07/29/2012

Print Time: 9:10:55 AM

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Breakdown Rate: 10	Breakdown Pres: 7153	Min Treat Pres: 5200	Max Treat Pres: 7153	5 Min SIP:	10 Min SIP:
Final Shut-in Pres:	Delta P Net:	Treatment Fluid Temp:	Avg Gas Rate:	Min Gas Rate:	Max Gas Rate:
Tech Rslt Dtl: According to Plan		Tech Rslt Notes:		Tagged with RA: No	RA Type:

Comment:

Proppant Summary		
100 Mesh	100 Mesh Sand	12,450
20/40	Optiprop G2	51,380
30/50	White Sand	183,420
Proppant Total		247,250
Max Concentration		4.00
Fluid Summary		
25# Linear Gel		984.0
25# X-Link Gel		1,897.0
Slickwater		1,670.0
Fluid Total		4,551.0

Perforations Stage 6

BONE SPRING	13160 - 13164	0 SPF	0 Shots
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Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover: 22,877	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: COMPLETING			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	Initial Completion		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/29/2012	6	15,935	\$345,380	\$5,248,181

Present Operation:

Frac stages 6, 7 and 8.

Work Details:

SICP: 4,200 psi.
Held safety meeting.

Frac stage 6 as designed.
Dropped 3.625" ball and opened 7th frac sleeve at (12,641' - 12,645'), 10 bpm 6,975 psi.

Frac stage 7 as designed.
Dropped 3.750" ball and opened 8 th sleeve at (12,084' - 12,088'). 10 BPM 7,138 psi.

Frac stage 8 as designed.
Secure well. R/D and release Frac Tech and all related equip. SDFN.

Planned Activity:

MIRU CTU drill out.

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Workover and Completion Report

Chesapeake Operating, Inc.

Well ID: 644095

Well Name: UNIVERSITY 19-19 2H

Status: COMPLETING

Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX

AFE# 170088 API: 4230131709

Target Formation: BONE SPRING SAND

Spud Date: 5/9/2012

Job Type: Initial Completion

Proposed Total Depth: 15,000

Rig Release Date: 6/21/2012

Project Description:

First Gas Sales Date:

Date	Day	Total Depth	Daily Cost	Cum Cost
7/30/2012	7	15,935	\$15,580	\$5,263,961

Present Operation:

MIRU CTU/ FLOWBACK

Work Details:

SICP=4400 PSI

HELD JSA, MIRU 2" CTU & SURFACE EQUIPMENT. DIDN'T GET STARTED IN THE HOLE, DUE MECHANICAL PROBLEMS W/ CTU & SAND TRAP. REPLACED SAND TRAP & FIXED HYD LEAK ON INJECTOR. PU 3.70" OPTICUT BUTTERFLY MILL & BHA. TEST LUB TO 9000 PSI, TESTED POP OFF ON SAND TRAP, POPPED @ 9500 PSI.POP- OFF WOULD NOT CLOSE, WILL REPLACE IN THE A.M. SECURED WELL SION

Planned Activity:

DRILL OUT BALLS & SEATS

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: COMPLETING			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	Initial Completion		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
7/31/2012	8	15,935	\$91,282	\$5,355,443

Present Operation:
DRILLED OUT SEATS / RIH TO PBTD

Work Details:
SICP= 4200 PSI

HELD JSA, TEST POP-OFF, SET @ 8500 PSI.
RIH DRILLED OUT BALLS & SEATS, RIH TO WIV TOOL @ 15,923', CIR HOLE CLEAN, POOH W/ BHA & 3.70 MILL. RIGGED UP PUMP TRK FLUSHED CSG W/ 500 BBLS OF FRESH WTR.
RDMO CTU & SURFACE EQUIPMENT.

SECURED WELL SION

Planned Activity:
RUN PKR / MIRU PU

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP:	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf):	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover: 36,234	

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: COMPLETING			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	Initial Completion		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
8/1/2012	9	15,935	\$113,504	\$5,469,147

Present Operation:
SET PKR/ MIRU PU

Work Details:
SICP= 4200 PSI

HELD JSA, MIRU CASED HOLE SOLUTIONS AND 10K LUB,PU 6.0 GAUGE RING & JUNK BASKET. TEST LUB TO 9000 PSI. RIH AND TAGGED TOL @ 10,818', POOH W/ GR/JB, PICKED UP 7"VERSI SET PKR, TEST LUB TO 9000 PSI, RIH AND SET PKR @ 10,755', POOH WITH SETTING TOOL, BLED WELL DOWN TO 0 PSI, RDMO WL, ND 10K FRAC STACK, NU 10K BOP, TESTED BOP TO 250 PSI LOW AND 10,000 PSI HIGH, MIRU PU, RACKED AND TALLIED 332 JTS 2 7/8 L80 TBG. PU ON/OFF TOOL RIH W/ 131 JTS OF 2 7/8" TBG LEFT ON/OFF TOOL @ 3543'. SECURED WELL SION

Planned Activity:
CONT RIH W/ PROD TBG

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Workover and Completion Report**Chesapeake Operating, Inc.**

Well ID: 644095

Well Name: UNIVERSITY 19-19 2H

Status: COMPLETING

Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING, TX

AFE# 170088 API: 4230131709

Target Formation: BONE SPRING SAND

Spud Date: 5/9/2012

Job Type: Initial Completion

Proposed Total Depth: 15,000

Rig Release Date: 6/21/2012

Project Description:

First Gas Sales Date:

Date	Day	Total Depth	Daily Cost	Cum Cost
8/2/2012	10	15,935	\$77,806	\$5,547,153

Present Operation:

LAND TBG/ NU PROD TREE

Work Details:

SITP=0 SICP=0 PSI

HELD JSA, CONT RIH W/ 2 7/8" L-80 TBG, TAGGED PKR @ 10,774' LATCHED ON TO PKR, RELEASE ON/OFF TOOL, SPACED OUT, CIR 410 BBLS OF PKR FLUID, LATCHED UP TO PKR LANED TBG HANGER WITH 10 POINTS IN COMPRESSION, TEST BACK SIDE TO 1000 PSI. ND 10K BOP, NU PROD TREE TEST TO 250 LOW/ 10,000 PSI HIGH. PULL BPV, SECURE WELL SION

Planned Activity:

BREAK DISK & SET GAUGES

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: COMPLETING			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	Initial Completion		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
8/3/2012	11	15,935	\$9,830	\$5,559,333

Present Operation:
BREAK CERMIC DISK/ SET GAUGES

Work Details:
SITP 0 PSI

HELD JSA, MIRU PRECSION SLICK LINE, PU 1 3/4" CHISEL, TEST LUB TO 4500 PSI, RIH PRESSURED TBG TO 4500 PSI, BROKE CERMIC DISK PRESSURE DROPPED TO 4200 PSI. POOH W/ CHISEL, PU DOWN HOLE GAUGES, TEST LUB, RIH SET GAUGES IN XN NIPPLE. POOH W/ SETTING TOOL. RDMO SLICK LINE & RDMO PU. SECURED WELL SHUT IN.

TURN OVER TO PRODUCTION. SITP= 4200 PSI

TOP GAUGE SN # 79102
BTM GAUGE SN # 79104

Planned Activity:
TURN OVER TO PRODUCTION

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: COMPLETING			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install	Proposed Total Depth:	15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
8/6/2012	36	15,935	\$1,750	\$5,564,349

Present Operation:
OPEN WELL
Work Details:
OPEN WELL & START CLEAN UP
Planned Activity:
CLEAN LOCATION

Liquids, Pressures, and Volumes			
Hrs Prod:	Choke:	SITP: 4,200	SICP:
LP:	FTP:	FCP:	FL:
Gas Prod (mcf): 0	Oil Prod:	Water Prod:	
		Cum Water Recovered:	
		Water Left To Recover:	36,234

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: PRODUCING			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
8/7/2012	37	15,935	\$1,200	\$5,565,549

Present Operation:
CLEAN UP

Work Details:
CLEAN UP LOCATION

Planned Activity:
CLEAN LOCATION

Liquids, Pressures, and Volumes			
Hrs Prod: 19		Choke: 12/64	SITP: SICP: 0
LP:		FTP: 3,800	FCP: FL:
Gas Prod (mcf): 0		Oil Prod: 0	Water Prod: 122
Cum Water Recovered: 122			
Water Left To Recover: 36,112			

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Workover and Completion Report			Chesapeake Operating, Inc.		
Well ID: 644095			Well Name: UNIVERSITY 19-19 2H		
Status: PRODUCING			Location: SEC 19, BLK 19, UNIVERSITY LAND, 250 FSL & 738 FWL County: LOVING,TX		

AFE#	170088	API: 4230131709	Target Formation: BONE SPRING SAND	Spud Date:	5/9/2012
Job Type:	New Install		Proposed Total Depth: 15,000	Rig Release Date:	6/21/2012
Project Description:				First Gas Sales Date:	

Date	Day	Total Depth	Daily Cost	Cum Cost
8/8/2012	38	15,935	\$825	\$5,566,374

Present Operation:
CLEAN UP

Work Details:
CLEAN UP LOCATION

Planned Activity:
CLEAN LOCATION

Liquids, Pressures, and Volumes			
Hrs Prod: 24		Choke: 14/64	SITP: SICP: 0
LP:		FTP: 3,700	FCP: FL:
Gas Prod (mcf): 0		Oil Prod: 0	Water Prod: 152
Cum Water Recovered: 274			
Water Left To Recover: 35,960			