

Appendix D:
Drilling Reports

NEW TECH ENGINEERING
DAILY DRILLING REPORT



Rig Phone:		County: Lea	Rig Fax :	
OPERATOR: DCP Midstream	Lease & Well No.: 1	Property ID:	Days from Spud : 0	Date: 10/20/2007
Drilling Supervisor: Kirk Fetterolf	Phone: 325-206-2229	Depth: 90	DISTRIBUTION OF HOURS	
Drilling Supervisor:	Phone:	TVD: 90.0	CATEGORIES	DAILY CUM TOTALS
Drig Contractor tyler well service	Rig #: 2	Hole Size: 17.500 in	1. Drill rotating	2.00 2.00
Toolpusher:	PHONE NUMBER:	Footage Last 24 hrs: 90	2. Move in rig up/Rig down move off	22.00 22.00
G. L. Elev.:	RKB to G. L. 18 ft			
KB to BHF:	Date Last BOP Test: NA	Days Chg To Well:		
Prop T.D. 9137	AFE#	AFE-DHC: S 2,304,025		
LAST CASING: 20" Conductor	CSG SHOE TEST: EMW	Cum. Monthly rig repairs: Hrs.		
0400 PRESENT OPERATIONS: Drilling 17-1/2" at 9'				
FROM TO HRS CODE DESCRIPTION DAILY ACTIVITY				
600 400 22.0 2	Move in rig and rig up			
400 600 2.0 1	Spud well at 4:00 AM on Sunday, 21-Oct-07. Drilling @ 9'			
P. U. Wt.	S. O. Wt.	String Wt.	Rot. Amps/Tq.:	
SURVEY INFORMATION				
DEVIATION SURVEYS:			SUPERVISOR:	
DEPTH ANGLE AZM TVD V.S. COORDINATES DLS	DIRECTIONAL HOLE TARGETS			
			TARGET TVD:	
			TARGET AZM:	
			TARGET +N/S:	
			TARGET +E/W:	
			TARGET INCL. _____ + UP / - DOWN	
Type Mud: Spud Mud	MUD COMPANY: Eagle Drilling Fluids	MUD ENGINEER: Ron Bailey	Daily Cost: \$493.90	Cum: \$493.90
DAILY MUD ADDITIVES:	Paper Soda Ash FW Gel	PHONE NUMBER: 432-664-3690		
DEPTH TIME MW VIS PV YP GELS PH API WL HTHP WL CAKE PM LIME PF ES CL PPM TOTAL TOTAL % % % % LCM ECD				
BIT DATA				
BITS NO SIZE Mfg Type Serial No. Jets - 32nds Depth Out Daily Feet Total Feet Hrs. Total Hrs Daily FL/Hr Total FL/Hr. WOB RPM INN OUTER BEARINGS GAGE				
PUMP DATA				
PUMP NO TYPE HP EFF Stroke Length Liner Size SPM GPM Pump Press DPAV DCAV Surface HHP Bit HHP At Bit HHP/IN ² SPM PSI SPM PSI				
BOTTOM HOLE ASSEMBLY				
OD ID LENGTH				
BHA NO: DRILL PIPE 1 4.50 3.83 90.00 DRILL COLLARS 1 8.00				
DRILL PIPE 2 0.00 0.00 0.00 DRILL COLLARS 2 7.00	Total Length 0.00	HRS ON BHA 0		
ITEM Description Length O.D. I.D. Top Conn Bottom Conn TOP TO BIT				

NEW TECH ENGINEERING DAILY DRILLING REPORT



Rig Phone: _____ County: Lea Rig Fax: _____

OPERATOR: DCP Midstream Lease & Well No: 1 Days from Spud: 1 Date: 10/21/2007

Property ID: _____

Drilling Supervisor: Kirk Fetterolf Phone: 325-206-2229 Depth: 580

Drilling Supervisor: _____ Phone: _____ TVD: 580.0

Drig. Contractor tyler well service Rig #: 2 Hole Size: 17.500 in

Toolpusher: _____ PHONE NUMBER: _____ Footage Last 24 hrs: 490

G. L. Elev.: _____ RKB to G. L. 18 ft

KB to BHP: _____ Date Last BOP Test: na Days Chg. To Well: _____

Prop. T.D. 9137 AFE# _____ AFE-DHC: \$2,304,025

LAST CASING: 20" Conductor CSG SHOE TEST: _____ ENW Cum. Monthly rig repairs: _____ Hrs.

DISTRIBUTION OF HOURS		
CATEGORIES	DAILY	CUM. TOTALS
1. Drill rotating	11.50	13.50
2. Circulate & condition	0.50	0.50
3. Directional/Deviation survey	0.25	0.25
4. Rig up casers/ run casing	2.00	2.00
5. Rig up cementers/ cementing	4.00	4.00
6. Wait on cement	4.00	4.00
7. Other not listed	1.75	1.75
8. Move in rig up/Rig down move off		22.00

0000 PRESENT OPERATIONS: Waiting on cement

FROM	TO	HRS.	CODE	DESCRIPTION DAILY ACTIVITY
600	945	3.75	1	Drilling to 277'
945	1000	0.25	3	Totco survey @ 277' 1deg.
1000	1400	4.0	1	Drilling to 484'
1400	1745	3.75	1	Drilling to 580'
1745	1815	0.5	2	Circulate bottoms up
1815	2000	1.75	7	POOH to run casing
2000	2200	2.0	4	Rig up & ran 13 its of 13-3/8" casing to 580'
2200	200	4.0	5	Cement 13-3/8" casing w 275 sk of 12.8 pps lead (35:65 Poz-Class "C" + 6% BWOC Bentonite + 2% BWOC Calcium Chloride) and 200 sk of 14.8 pps tail (Class "C" + 2% BWOC Calcium Chloride). Circulated 104 sk of cement to surface and bumped the plug with 500 pps. Float did not hold. held 300 nsi on casing.
200	600	4.0	6	Waiting on cement.

TOTALS	24.00	48.00
DRILLING	11.50	13.50
EVALUATION	0.00	0.00

P. U. Wt. _____ S. O. Wt. _____ String Wt. _____ Rot. Amps/Tq.: _____

SURVEY INFORMATION

DEVIATION SURVEYS: _____ DIRECTIONAL CO. _____ SUPERVISOR: _____

DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS
231	1.0		230.99	2.02	0.00	0.00
558	1.8		557.89	9.86	0.00	0.00

TARGET TVD: _____
TARGET AZM: _____
TARGET +N-S: _____
TARGET +E-W: _____

TARGET INCL.: _____ + UP / - DOWN

DRILLING COST	INTANG.	TANG.	TOTALS
	\$45,155.00	\$25,690.00	\$70,845.00
			\$710,769.53

MUD LOGGER NAME: _____
MUD LOGGER PHONE: _____

MUD LOGGERS REPORT

BACK GROUND GAS: _____
CONNECTION GAS: _____
TRIP GAS: _____
SHOW GAS: _____
DOWNTIME GAS: _____
LITHOLOGY: _____

COMMENTS: _____

MUD PROPERTIES

Type Mud: Spud Mud MUD COMPANY: Eagle Drilling Fluids MUD ENGINEER: Ron Bailey Daily Cost: \$0.00 Cum: \$493.90

PHONE NUMBER: 432.664.3690

DAILY MUD ADDITIVES: _____

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL FPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECD
																					0.00

BIT DATA														BIT GRADE			
BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily FL/Hr	Total FL/Hr	WOB	RPM	INN	OUTER	BEARINGS
1	17-1/2"	Smith	Re-Tip		16-16-16	580	490	580	11.5	14		43					

PUMP D or T ROD ROD is the dia. Of the piston rod on dual action pumps
D is for duplex pump
T is for triples pump

	D	2	D is for duplex pump																PUMP DATA							
	D	2	T is for triplex pump																							
PUMP NO.	TYPE	HP	% EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press		DPAV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SLOW PUMP RATES										
1	DB700	575	60	16.0	5.5	0				0	0	0.00	0.00		0.00		SPM	PSI	SPM	PSI						
2	DB700	575	60	16.0	5.5	0				0	0	0.00														

BOTTOM HOLE ASSEMBLY											
		OD		ID		LENGTH		OD			
BHA NO. 1		DRILL PIPE 1		4.50		3.83		580.00		DRILL COLLARS 1 8.00	
		DRILL PIPE 2		0.00		0.00		0.00		DRILL COLLARS 2 7.00	
										Total Length 2.87	
										HRS ON BHA 12	
ITEM	Description	Length	O.D.	I.D.	Top Conn	Bottom Conn	TOP TO BIT	REMARKS			
1	17-1/2" Bit	1.50	17.50		7-5/8" Reg		1.5				
2	Bit Sub	1.37	8.00		6-5/8" Reg	7-5/8" Reg	2.87				
						</					



Rig Phone: _____		Country: <u>USA</u>		Rig Fax: _____	
OPERATOR: <u>DCP Midstream</u>		Lease & Well No: <u>1</u>		Days from Spud <u>2</u>	
		Property ID: _____		Date: <u>10/22/2007</u>	
DISTRIBUTION OF HOURS					
Drilling Supervisor: <u>Kirk Fetterolf</u>		Phone: <u>325-206-2229</u>		Depth: <u>645</u>	
Drilling Supervisor: _____		Phone: _____		TVD: <u>645.0</u>	
Drig. Contractor <u>tyler well service</u>		Rig #: <u>2</u>		Hole Str: <u>12,250</u> in	
Toolpusher: _____		PHONE NUMBER: _____		Footage Last 24 hrs: <u>65</u>	
G. L. Elev.: _____		RKB to G. L. <u>18 ft</u>			
KRB to BHF: _____		Date Last BOP Test: <u>na</u>		Nipples Chg. To Well: _____	
Prop. T.D. <u>9137</u>		AF#H _____		AFE-DHC: <u>\$ 2,304,025</u>	
ASING: <u>13 3/8</u>		CSG SHOE TEST: <u>EMW</u>		Cum. Monthly etc rental: _____	

CATEGORIES	DAILY
1. Drill rotating	1.00
2. Circulate & condition	
3. Directional/Deviation survey	
4. Rig up casers/ run casing	
5. Rig up cementers/ cementing	
6. Wait on cement	
7. Nipple up BOP/Nipple down BOP	6.50
8. Test BOPs	2.50
9. Pick up / Lay down BHA	1.50

DISTRIBUTION OF HOURS		
CATEGORIES	DAILY	CUM. TOTALS
1. Drill rotating	1.00	14.5
2. Circulate & condition		0.5
3. Directional/Deviation survey		0.2
4. Rig up casers/ run casing		2.0
5. Rig up cements/ cementing		4.0
6. Wait on cement		4.0
7. Nipple up BOPs/Nipple down BO	6.50	6.5
8. Test BOPs	2.50	2.5
9. Pick up /Lay down BHA	1.00	1.5
10. Pick up /Lay down drill string	2.00	2.0
11. Other not listed	10.50	12.0
12. Move in rig up/Rig down move o		22.0

0600 PRESENT OPERATIONS: Drilling 12 1/4 hole

FROM	TO	HRS	CODE	DESCRIPTION DAILY ACTIVITY
600	930	3.5	7	WOC - Cut off 13 3/8"
930	1100	1.5	11	Weld on head, test to 370#s OK
1100	1400	3.0	7	NU / BOPE add 1" to flowline
1400	1900	5.0	11	NU BOPE choke
1900	2000	1.0	8	Function test BOPE test blinds & choke line to 1000#s
2000	2030	0.5	11	Unload heavy wt drill pipe to rack
2030	2200	1.5	9	PU MU BHA.
2200	2400	2.0	10	Pick up & run
2400	2500	2.0	11	RU H2S estimation
2500	330	1.5	8	TH test up @ 327' test casing to 600#s held OK for 30 min.
330	500	1.5	11	Drill out shoe & test casing to 600#s
500	600	1.0	1	Drilling 12.25 hole @ 64%

TOTALS		24.00	72.00
DRILLING		1.00	14.50
EVALUATION		0.00	0.00
		DAILY	CUM
DRILLING COST	INTANG.	\$39,275.00	\$724,354.50
	TANG.	\$0.00	\$25,690.00
	TOTALS	\$39,275.00	\$750,044.50

P. U. Wt.	S. O. Wt.	String Wt.	Rot. Amps/Tq.
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SURVEY INFORMATION

[illegible]

MUD LOGGER NAME: _____
MUD LOGGER PHONE: _____

MUD LOGGERS REPORT

BACK GROUND GAS: _____
 CONNECTION GAS: _____
 TRIP GAS: _____
 SHOW GAS: _____
 DOWNTIME GAS: _____
 LITHOLOGY: _____

COMMENTS:

MUD PROPERTIES

Type Mud: <u>Spud Mud</u>	MUD COMPANY: <u>Eagle Drilling Fluids</u>	MUD ENGINEER: <u>Ron Bailey</u>	Daily Cost: <u>\$0.00</u>	Cum: <u>\$493.90</u>
		PHONE NUMBER: <u>432 664.3690</u>		

DAILY MUD ADDITIVES:

[illegible]

BIT DATA

BIT NO	SIZE	Mfg	Type	Serial No.	Jct - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily FL/Hr	Total FL/Hr.	WOB	RPM	BIT GRADE			
															INN	OUTER	BEARINGS	GAGE
2	12.25	STC	FDS	PG6481	3-16s		65	65	1.0	1		65						

PUMP DATA

D		2		T is for triplex pump										PUMP DATA										SLOW PUMP RATES			
PUMP NO.	TYPE	HP	EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	% DPAV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SPM	PSI	SPM	PSI									
1	DB700	575	60	16.0	5.5		0		0	0.00	0.00			0.00													
2	DB700	575	60	16.0	5.5		0			0	0.00																

BOTTOM HOLE ASSEMBLY

[illegible]

NEW TECH ENGINEERING DAILY DRILLING REPORT



Rig Phone: _____		County: <u>Lea</u>		Rig Fax: _____	
OPERATOR: <u>DCP Midstream</u>		Lease & Well No: <u>1</u>		Days from Spud <u>3</u>	
Property ID: _____		Date: <u>10/23/2007</u>			
Drilling Supervisor: <u>Kirk Fetterolf</u>		Phone: <u>325-206-2229</u>		Depth: <u>1923</u>	
Drilling Supervisor: _____		Phone: _____		TVD: <u>1923.0</u>	
Drig. Contractor <u>tyler well service</u>		Rig #: <u>2</u>		Hole Size: <u>12.250 in</u>	
Toolpusher: _____		PHONE NUMBER: _____		Footage Last 24 hrs: <u>1278</u>	
G. L. Elev.: _____		RKB to G. L. <u>18 ft</u>		Days Chg. To Well: _____	
KB to BHP: _____		Date Last BOP Test: <u>na</u>		AFE-DHC: <u>\$ 2,304,025</u>	
Prop. T.D. <u>9137</u>		AFE# _____			
LAST CASING: <u>13 3/8</u>		CSG SHOE TEST: _____		Cm. Monthly rig repair: _____ Hrs.	

DISTRIBUTION OF HOURS			
CATEGORIES	DAILY	CUM	TOTALS
1. Drill rotating	15.50	30.00	
2. Circulate & condition		0.50	
3. Directional/Deviation survey	0.50	0.75	
4. Rig up casers/ run casing		2.00	
5. Rig up cementers/ cementing		4.00	
6. Wait on cement		4.00	
7. Nipple up BOPs/Nipple down BOP		6.50	
8. Test BOPs		2.50	
9. Pick up /Lay down BHA		1.50	
10. Pick up /Lay down drill string		2.00	
11. Other not listed	8.00	20.25	
12. Move in rig up/Rig down move o		22.00	
TOTALS	24.00	96.00	
DRILLING	15.50	30.00	
EVALUATION	0.00	0.00	

FROM	TO	HRS.	CODE	DESCRIPTION DAILY ACTIVITY
600	1400	8.0	11	Drill out to 590' RU to run leak off test, test open hole to 1200' no pressure drop test held OK.
1400	2000	6.0	1	Drilling from 1318' to 1596'
2000	2030	0.5	3	WLS @ 1490' 3/4 deg. RS
2030	2200	1.5	1	Drilling from 1490' to 1569'
2200	600	8.0	1	drilling from 1569' to 1923'

P. U. Wt.		S. O. Wt.		String Wt.		Rot. Amps/Tq.																																					
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="7">DEVIATION SURVEYS:</th> <th colspan="2">SUPERVISOR:</th> </tr> <tr> <th>DEPTH</th> <th>ANGLE</th> <th>AZM</th> <th>TVD</th> <th>V.S.</th> <th>COORDINATES</th> <th>DLS</th> <th colspan="2"></th> </tr> <tr> <td>1053</td> <td>1.0</td> <td></td> <td>1052.75</td> <td>21.74</td> <td>21.74</td> <td>0.00</td> <td colspan="2">0.00</td> </tr> <tr> <td>1490</td> <td>0.8</td> <td></td> <td>1489.69</td> <td>28.41</td> <td>28.41</td> <td>0.00</td> <td colspan="2">0.00</td> </tr> </table>								DEVIATION SURVEYS:							SUPERVISOR:		DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS			1053	1.0		1052.75	21.74	21.74	0.00	0.00		1490	0.8		1489.69	28.41	28.41	0.00	0.00	
DEVIATION SURVEYS:							SUPERVISOR:																																				
DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS																																					
1053	1.0		1052.75	21.74	21.74	0.00	0.00																																				
1490	0.8		1489.69	28.41	28.41	0.00	0.00																																				

MUD LOGGERS REPORT			
MUD LOGGER NAME: _____		MUD LOGGER PHONE: _____	
BACK GROUND GAS: _____		CONNECTION GAS: _____	
TRIP GAS: _____		SHOW GAS: _____	
DOWNTIME GAS: _____		LITHOLOGY: _____	
COMMENTS: _____			

MUD PROPERTIES			
Type Mud: <u>Drilling mud</u>	MUD COMPANY: <u>Eagle Drilling Fluids</u>	MUD ENGINEER: <u>Ron Bailey</u>	Daily Cost: <u>\$46.00</u>
PHONE NUMBER: <u>432.664.3650</u>		Cost: <u>\$539.90</u>	

DAILY MUD ADDITIVES:														
DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL PFM	CL SALT
1622	8.8	32	3			4/5	9.500	0.1	1.100					

BIT DATA														
BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily FU/Hr	Total FU/Hr.	WOB	RPM
2	12.25	STC	FDS	PG6481	3- 16s		1278	1343	15.5	17		81	25	65

PUMP DATA														
PUMP NO.	TYPE	HP	EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	DPV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²
1	DB700	575	60	16.0	5.5		0		0	0	0.00	0.00		0.00
2	DB700	575	60	16.0	5.5		0		0	0	0.00			

BOTTOM HOLE ASSEMBLY														
BHA NO: 1														
ITEM	Description	Length	O.D.	I.D.	Top Conn	Bottom Conn	TOPTO BIT	Total Length	REMARKS					
1	17-1/2" Bit	1.50	17.50		7-5/8" Reg		1.5							
2	Bit Sub	1.37	8.00		6-5/8" Reg	7-5/8" Reg	2.87							

NEW TECH ENGINEERING DAILY DRILLING REPORT



Rig Phone: _____ County: LCA Rig Fax: _____

OPERATOR: DCP Midstream Lease & Well No.: 1 Days from Spud: 4 Date: 10/24/2007
Property ID: _____

Drilling Supervisor: Kirk Fetterolf Phone: 325-206-2229 Depth: 2679
Drilling Supervisor: _____ Phone: _____ TVD: 2679.0
Drig. Contractor: tyler well service Rig #: 2 Hole Size: 12.250 in
Toolpusher: _____ PHONE NUMBER: _____ Footage Last 24 hrs: 756

G. L. Elev.: _____ RKB to G. L.: 18 ft
KB to BHP: _____ Date Last BOP Test: 22/Oct/07 Days Chg. To Well: _____
Prop. T.D. 9137 AFE# _____ AFE-DHC: 52,304,025

LAST CASING: 13 3/8 CSG SHOE TEST: 12 EMW Cum. Monthly rig repair: _____ Hrs.

DISTRIBUTION OF HOURS		
CATEGORIES	DAILY	CUM. TOTALS
1. Drill rotating	22.50	52.50
2. Circulate & condition	0.50	1.00
3. Directional/Deviation survey	1.00	1.75
4. Rig up casing/ run casing		2.00
5. Rig up cementers/ cementing		4.00
6. Wait on cement		4.00
7. Nipple up BOPs/Nipple down BOP		6.50
8. Test BOPs		2.50
9. Pick up /Lay down BHA		1.50
10. Pick up /Lay down drill string		2.00
11. Other not listed		20.25
12. Move in rig up/Rig down move o		22.00

FROM	TO	HRS.	CODE	DESCRIPTION DAILY ACTIVITY
600	930	3.5	1	Drilling from 1819' to 2007'
930	945	0.25	3	WLS @1961' (1 deg.)
945	1400	4.25	1	Drilling from 2007' to 2125'
1400	1415	0.25	3	Wireline Survey 2429' (2 deg.)
1415	2200	7.75	1	Drilling from 2125' to 2495'
2200	500	7.0	1	Drilling from 2495' to 2705', rate of penetration dropped from 70 FPM to 10 FPM
500	530	0.5	3	Wireline Survey @ 2679' (1-1/2 deg.)
530	600	0.5	2	Pump sweep for a bit trip

TOTALS		24.00	120.00
DRILLING		22.50	52.50
EVALUATION		0.00	0.00

P. U. Wt.		S. O. Wt.	String Wt.	Rot. Amps/Tq.
SURVEY INFORMATION				
DEVIATION SURVEYS:				SUPERVISOR:
DEPTH	ANGLE	AZM	TVD	DLS
1961	1.0		1960.64	35.61
2429	2.0		2428.47	47.86
2679	1.5		2678.36	55.49

M/D LOGGER NAME: _____
M/D LOGGER PHONE: _____

MUD LOGGERS REPORT

BACK GROUND GAS: _____
CONNECTION GAS: _____
TRIP GAS: _____
SHOW GAS: _____
DOWNTIME GAS: _____
LITHOLOGY: _____

COMMENTS: _____

MUD PROPERTIES

Type Mud: Drilling mud MUD COMPANY: Eagle Drilling Fluids MUD ENGINEER: Ron Bailey Daily Cost: \$0.00 Cum: \$539.90
PHONE NUMBER: 432.664.3690

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECD
																					0.00

BIT DATA																		
BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily FL/Hr	Total FL/Hr.	WOB	RPM	BIT GRADE			
															INN	OUTER	BEARINGS	GAGE
2	12.25	STC	FDS	PG6481	3- 16s		756	2099	3.5	20		105	25	65				

PUMP DATA

PUMP D or T ROD ROD is the dia. Of the piston rod on dual action pumps
D 2 D is for duplex pump
D 2 T is for triplex pump

PUMP NO.	TYPE	HP	EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	DPAV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SPM	PSI	SPM	PSI
1	DB700	575	60	16.0	5.5		0		0	0	0.00	0.00		0.00				
2	DB700	575	60	16.0	5.5		0		0	0	0.00							

BOTTOM HOLE ASSEMBLY											
BHA NO. 1				BHA NO. 2				BHA NO. 3			
ITEM	Description	Length	OD	ITEM	Description	Length	OD	ITEM	Description	Length	OD
1	17-1/2" Bit	1.50	17.50	2	7-5/8" Reg	1.5		3	7-5/8" Reg	2.87	
2	Bit Sub	1.37	8.00								

NEW TECH ENGINEERING DAILY DRILLING REPORT



Rig Phone: _____		County: <u>Lea</u>		Rig Fax: _____	
OPERATOR: <u>DCP Midstream</u>		Lease & Well No: <u>1</u>		Days from Spud <u>5</u>	
		Property ID: _____		Date: <u>10/25/2007</u>	
Drilling Supervisor: <u>Kirk Fetterolf</u>		Phone: <u>325-206-2229</u>		Depth: <u>2945</u>	
Drilling Supervisor: _____		Phone: _____		TVD: <u>2945.0</u>	
Drig. Contractor <u>tyler well service</u>		Rig #: <u>2</u>		Hole Size: <u>12.250 in</u>	
Toolpusher: _____		PHONE NUMBER: _____		Footage Last 24 hrs: <u>266</u>	
G. L. Elev.: _____		RKB to G. L. <u>18 ft</u>			
KB to BHF: _____		Date Last BOP Test: <u>na</u>		Days Chg. To Well: _____	
Prop. T.D. <u>9137</u>		AFEN _____		AFE-DHC: <u>\$ 2,304,025</u>	
LAST CASING: <u>13 3/8</u>		CSG SHOE TEST: <u>12</u> ENW		Cum. Monthly rig repair: _____ Hrs.	

DISTRIBUTION OF HOURS		
CATEGORIES	DAILY	CUM.
1. Drill rotating	18.50	71.00
2. Wash & ream	0.25	0.25
3. Circulate & condition	1.00	2.00
4. Rig repair	0.25	0.25
5. Directional/Deviation survey	0.25	2.00
6. Rig up casers/ run casing		2.00
7. Rig up cements/ cementing		4.00
8. Wait on cement		4.00
9. Nipple up BOPs/Nipple down BOP		6.50
10. Test BOPs		2.50
11. Pick up /Lay down BHA		1.50
12. Pick up /Lay down drill string		2.00
13. Tripping for bithead motor/mwd	1.75	1.75
14. Other not listed	2.00	22.25
15. Move in rig up/Rig down move o		22.00
TOTALS	24.00	144.00
DRILLING	18.50	71.00
EVALUATION	0.00	0.00

6000 PRESENT OPERATIONS: Drilling ahead @ 2945'			
FROM	TO	HRS	DESCRIPTION DAILY ACTIVITY
600	700	1.0	3 circulate sweep
700	800	1.0	13 Trip out of hole for bit
800	815	0.25	4 replace break out cable
815	900	0.75	13 Continue to TOH
900	1100	2.0	14 Pick up new bit TJH
1100	1115	0.25	2 Rream 30' to bottom
1115	1400	2.75	1 Drie from 2705 to 2757
1400	1615	2.25	1 Drie from 2757 to 2787
1615	1630	0.25	5 WLS @2741' 2 des
1630	2200	5.5	1 Drie from 2787 to 2850
2200	600	8.0	1 Drie from 2850 to 2945'

P. U. Wt. _____		S. O. Wt. _____		String Wt. _____		Rot. Amps/Tq.: _____	
SURVEY INFORMATION							
DEVIATION SURVEYS:				SUPERVISOR: _____			
DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS	DIRECTIONAL HOLE TARGETS
2879	1.5		2678.38	55.49	55.49 0.00	0.00	TARGET TVD: _____
2741	2.0		2740.33	57.39	57.39 0.00	0.00	TARGET AZM: _____
							TARGET +N-S: _____
							TARGET +E-W: _____
							TARGET INCL.: _____ + UP / - DOWN

MUD LOGGER NAME: _____		MUD LOGGER PHONE: _____	
MUD LOGGERS REPORT			
BACK GROUND GAS: _____			
CONNECTION GAS: _____			
TRIP GAS: _____			
SHOW GAS: _____			
DOWNTIME GAS: _____			
LITHOLOGY: _____			
COMMENTS: _____			

MUD PROPERTIES		MUD ENGINEER: <u>Ron Bailey</u>		Daily Cost: <u>\$741.35</u>		Cum: <u>\$1,281.25</u>	
Type Mud: <u>Drilling mud</u>		MUD COMPANY: <u>Eagle Drilling Fluids</u>		PHONE NUMBER: <u>432.664.3690</u>			
DAILY MUD ADDITIVES: _____							

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	PM CAKE	PF LIME	CL ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PHB	ECD
2945	500	9.9	33	5	4	4.5	10			232				13200		3	3.0	94.8			9.90

BIT DATA																		
BITS NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily Ft/Hr	Total Ft/Hr.	WOB	RPM	INN	OUTER	BEARINGS	GAGE
1	17-1/2"	Smith	Re-Tip	m09585	16-16-16	580	0	580	11.5	25		23						
PUMP																		
D or T		ROD		ROD is the dia. Of the piston rod on dual action pumps														
D		2		D is for duplex pump														
D		2		T is for triplex pump														
PUMP DATA																		
PUMP NO.	TYPE	HP	% EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	DPV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SLOW PUMP RATES			
1	DB700	575	60	16.0	5.5	6	22	500	4	6	6.46	2.57	0.40	0.02	3	SPM	PSI	SPM
2	DB700	575	60	16.0	5.5	0				5	0.00							

BOTTOM HOLE ASSEMBLY									
OD ID LENGTH					OD				
DRILL PIPE 1: 4.50 3.83 2945.00					DRILL COLLARS 1: 8.00				
DRILL PIPE 2: 0.00 0.00 0.00					DRILL COLLARS 2: 7.00				
BHA NO.: <u>2</u>					Total Length: <u>2.87</u>				
ITEM	Description	Length	O.D.	I.D.	Top Conn	Bottom Conn	TOP TO BIT	REMARKS	
1	17-1/2" Bit	1.50	17.50		7-5/8" Reg	1.5			
2	Bit Sub	1.37	8.00		6-5/8" Reg	7-5/8" Reg	2.87		



Rig Fax : _____

Date: 10/26/2007

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TVD: 3245

Hole Size: 12.250
Fastener: Last 24 hrs: 300

Days Chg. To Well:

AFE-DHC: \$ 2,304,025

Cum. Monthly rig repair: _____ Hrs

DESCRIPTION DAILY ACTIVITY

DISTRIBUTION OF HOURS		
CATEGORIES	DAILY	CUM. TOTALS
1. Drill rotating	23.50	94.50
2. Wash & ream		0.25
3. Circulate & condition		2.00
4. Service and lubricate rig	0.25	0.25
5. Rig repair		0.25
6. Directional/Deviation survey	0.25	2.25
7. Rig up cased/ run casing		2.00
8. Rig up cementers/ cementing		4.00
9. Wait on cement		4.00
10. Nipple up BOPs/Nipple down BC		6.50
11. Test BOPs		2.50
12. Pick up /Lay down BHA		1.50
13. Pick up /Lay down drill string		2.00
14. Tripping/for bit/mud motor/mwd		1.75
15. Other not listed		22.25
16. Move in rig up/Rig down move o		22.00
TOTALS	34.00	168.00
DRILLING	23.50	94.50
EVALUATION	0.00	0.00
	DAILY	CUM

Rot. Amps/Trq.:

SURVEY INFORMATION

DRILLING COST	INTANG.	\$30,300.00	\$874,391.88
	TANG.	\$0.00	\$25,690.00
	TOTALS	\$30,300.00	\$900,081.88

MUD LOGGER NAME: _____
MUD LOGGER PHONE: _____

MUD LOGGERS REPORT

BACK GROUND GAS: _____
 CONNECTION GAS: _____
 TRIP GAS: _____
 SHOW GAS: _____
 DOWNTIME GAS: _____
 LITHOLOGY: _____

COMMENTS:

MUD PROPERTIES

Cum: \$1,281.25

DAILY MUD ADDITIVES:

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECD
3245	600	10.1	32	8	3	5/6	10.500										6	2.4	96.0		10.10

BIT DATA

BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily Ft/Hr.	Total Ft/Hr.	WOB	RPM	BIT GRADE			
															INN	OUTER	BEARINGS	GAGE
2	12.25	STC	FDS	PG6481	3-16s		300	2665	23.5	44		61	25	65				

PUMP	D or T	ROD	ROD is the dia. Of the piston rod on dual action pumps
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PUMP DATA

SLOW PUMP RATES																		
PUMP															SLOW PUMP RATES			
PUMP NO.	TYPE	HP	% EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	DPAV	DCAV	Surface HHP	Bit HDP	% HHP At Bit	HHP/IN ²	SPM	PSI	SPM	PSI
1	DB700	575	60	16.0	5.5	8	22	500	4	6	6.46	2.57	0.40	0.02	3	250	2	2
2	DB700	575	60	16.0	5.5		0			5	0.00							

BOTTOM HOLE ASSEMBLY

[illegible]

NEW TECH ENGINEERING DAILY DRILLING REPORT



Rig Phone: _____ County: Lea Rig Fax: _____

OPERATOR: DCP Midstream Lease & Well No.: 1 Days from Spud 7 Date: 10/27/2007

Property ID: _____

Drilling Supervisor: Kirk Fetterolf Phone: 325-206-2229 Depth: 3400

Drilling Supervisor: _____ Phone: _____ TVD: 3400.0

Drig. Contractor tyler well service Rig #: 2 Hole Size: 12.250 in

Toolpusher: _____ PHONE NUMBER: _____ Footage Last 24 hrs: 155

G. L. Elev.: _____ RKB to G. L.: 18 R

KB to BHP: _____ Date Last BOP Test: 11A Days Chg. To Well: _____

Prop. T.D. 9137 AFE# _____ AFE-DHC: \$2,304,025

LAST CASING: 13 3/8 CSG SHOE TEST: 12 ENW Cum. Monthly rig repair: _____ Hrs.

0600 PRESENT OPERATIONS: Drilling ahead @ 3245

FROM	TO	HRS.	CODE	DESCRIPTION DAILY ACTIVITY
600	1100	5.0	1	Drig. from 3235' to 3289'
1100	1115	0.25	4	Service rig
1115	1130	0.25	6	WLS @ 3243' 1.25 deg.
1130	1630	5.0	1	Drig 3289' to 3343'
1630	1930	3.0	14	Trip out of hole
1930	2300	3.5	14	Trip in hole w bit # 4
2300	2345	0.75	5	Repair high drum clutch
2345	2400	0.25	14	TTH
2400	2430	0.5	2	Wash 60' to bottom
2430	600	5.5	1	Drillline from 3343' to 3400'

DISTRIBUTION OF HOURS		
CATEGORIES	DAILY	CUM. TOTALS
1. Drill rotating	15.50	110.00
2. Wash & ream	0.50	0.75
3. Circulate & condition		2.00
4. Service and lubricate rig	0.25	0.50
5. Rig repair	0.75	1.00
6. Directional/Deviation survey	0.25	2.50
7. Rig up casers/ run casing		2.00
8. Rig up cementers/ cementing		4.00
9. Wait on cement		4.00
10. Nipple up BOPs/Nipple down BC		6.50
11. Test BOPs		2.50
12. Pick up /Lay down BHA		1.50
13. Pick up /Lay down drill string		2.00
14. Tripping/for bit/mud motor/mud	6.75	8.50
15. Other not listed		22.25
16. Move in rig up/Rig down move o		22.00
TOTALS	24.00	192.00
DRILLING	15.50	110.00
EVALUATION	0.00	0.00

SURVEY INFORMATION							
P. U. Wt.				S. O. Wt.		String Wt.	
DEVIATION SURVEYS:				DIRECTIONAL CO.		SUPERVISOR:	
DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS	DIRECTIONAL HOLE TARGETS
3243	1.8		3241.96	76.55	76.55 0.00	0.00	TARGET TVD:
3305	1.0		3303.94	78.04	78.04 0.00	0.00	TARGET AZM:
							TARGET +N-S:
							TARGET +E-W:
							TARGET INCL: _____ + UP / - DOWN

DAILY		CUM	
DRILLING COST	INTANG.	TOTAL	TOTAL
	\$37,832.00	\$37,832.00	\$912,223.88
	TANG.	\$0.00	\$25,690.00
	TOTALS	\$37,832.00	\$937,913.88

MUD LOGGER NAME: _____

MUD LOGGER PHONE: _____

MUD LOGGERS REPORT

BACK GROUND GAS: _____

CONNECTION GAS: _____

TRIP GAS: _____

SHOW GAS: _____

DOWNTIME GAS: _____

LITHOLOGY: _____

COMMENTS: _____

MUD PROPERTIES

Type Mud: Drilling mud MUD COMPANY: Eagle Drilling Fluids MUD ENGINEER: Ron Bailey Daily Cost: \$32.00 Cum: \$1,313.25

PHONE NUMBER: 432.654.3690

DAILY MUD ADDITIVES: _____ Paper 4, Line 4

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP	WL	CAKE	PM	PF	CL	TOTAL	TOTAL	%	%	%	%	LCM	ECD
															CL	SALT	SAND	SOLIDS	OIL	WATER	PPB	
3400	600	10.5	33	5	4	4/5	9	0.1	1	2			3.200	3800	13200		3	3.0		94.8	2	10.50

BIT DATA																		
BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily FL/Hr	Total Fu/Hr.	WOB	RPM	BIT GRADE			
															INN	OUTER	BEARINGS	GAGE
3	12.25	STC	F25 c	PG6481	3- 16s	3343	98	638	51.0	51		13	25	65				
							57	57	15.5									

PUMP D or T ROD ROD is the dia. Of the piston rod on dual action pumps

D 2 D is for duplex pump

D 2 T is for triplex pump

PUMP DATA															SLOW PUMP RATES			
PUMP NO.	TYPE	HP	EFF.	Stroke Length	Line Size	SPM	GPM	Pump Press	DPAY	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SPM	PSI	SPM	PSI
1	DB700	575	60	16.0	5.5	8	22	500	4	8	6.46	2.57	0.40	0.02	3	250	2	2
2	DB700	575	60	16.0	5.5		0			5	0.00							

BOTTOM HOLE ASSEMBLY

BHA NO. 2													Total Length		HRS ON BHA													
DRILL PIPE 1													8.00															
DRILL PIPE 2													7.00															
DRILL COLLARS 1													8.00															
DRILL COLLARS 2													7.00															
OD													ID		LENGTH		OD											
4.50													3.83		3400.00													
0.00													0.00		0.00													
ITEM													Description		Length		O.D.		I.D.		Top Conn		Bottom Conn		TOP TO BIT		REMARKS	

[illegible]



Rig Fax : _____

Date: 10/29/2007

114

Hole Size: $\frac{12.25}{300}$

AFE-DHC: \$ 2,304,025

EMW Cum. Monthly rig repair: _____ Hrs.

0600 PRESENT OPERATIONS: Drilling ahead @ 3855' very hard formation.

DISTRIBUTION OF HOURS			
CATEGORIES		DAILY	CUM TOTALS
1.	Drill rotating	23.50	157.00
2.	Wash & ream		0.75
3.	Circulate & condition		2.00
4.	Service and lubricate rig		0.75
5.	Rig repair		1.00
6.	Directional/Deviation survey	0.50	3.25
7.	Rig up cased/ run casing		2.00
8.	Rig up cementers/ cementing		4.00
9.	Wait on cement		4.00
10.	Nipple up BOPs/Nipple down BOPs		6.50
11.	Test BOPs		2.50
12.	Pick up /Lay down BHA		1.50
13.	Pick up /Lay down drill string		2.00
14.	Tripping/for bit/mud motor/mwd		8.50
15.	Other not listed		22.25
16.	Move in rig up/Rig down move o		22.00
TOTALS		24.00	240.00
DRILLING		23.50	157.00
EVALUATION		0.00	0.00
		DAILY	CUM
DRILLING COST	INTANG.	\$39,247.10	\$91,846.68
	TANG.	\$0.00	\$25,690.00
	TOTALS	\$39,247.10	\$1,017,536.68

Rot. Amps/Torque:

SURVEY INFORMATION

MUD LOGGER NAME: Don Megennis _____
MUD LOGGER PHONE: 432416081 _____

MUD LOGGERS REPORT

BACK GROUND GAS: 93 _____
CONNECTION GAS: 68 _____
TRIP GAS: _____
SHOW GAS: _____
DOWNTIME GAS: 93 _____
LITHOLOGY: 80% Anhy, 20% Dol. _____

REMARKS: No shows, had some gas from 3796' to 3818', we also had a heavy trace of shale in this area

MUD PROPERTIES

Cum: \$1,547.05

DAILY MUD ADDITIVES:

BIT DATA

PUMP DATA

BOTTOM HOLE ASSEMBLY

[illegible]

Rig Phone: _____ County: Lea Rig Fax: _____

Drilling Supervisor: Kirk Fetterolf Phone: 325-206-2229 Depth: 3855
Drilling Supervisor: _____ Phone: _____ TVD: 3855.0
Drig Contractor tyler well service Rig #: 2 Hole Size: 12.250 in
Toolpusher: _____ PHONE NUMBER: _____ Footage Last 24 hrs: 0

LAST CASING: 13 3/8 CSG SHOE TEST: 12 ENW Cum. Monthly rig repair: _____ Hrs.

0600 PRESENT OPERATIONS: Drilling ahead @ 4102' very hard formation.

FROM	TO	HRS	CODE	DESCRIPTION DAILY ACTIVITY		
600	800	2.0	1	Drlg from 3855' to 3882'	12. Pick up /Lay down BHA	1.50
800	815	0.25	4	Rig service	13. Pick up /Lay down drill string	2.00
815	1400	5.75	1	DRLG from 3882' to 3945'	14. Tripping/for bit/mud motor/mwd	8.50
1400	2200	8.0	1	DRLG from 3945' to 4023'	15. Other not listed	22.25
2200	230	4.5	1	DRLG from 4023' to 4071'	16. Move in rig up/Rig down move o	22.00
230	245	0.25	6	WLS @ 4023' 1 deg.		
245	600	3.25	1	DRLG from 4071' to 4102'		
				Very hard formation continue to change drilling parameters to gain a higher drilling rate.		

		DAILY	CUM
DRILLING COST	INTANG.	\$28,965.25	\$1,020,811.93
	TANG.	\$0.00	\$25,690.00
	TOTALS	\$28,965.25	\$1,046,501.93

MUD LOGGER NAME: Don McGennis
MUD LOGGER PHONE: 4324160081

[illegible]

BACK GROUND GAS: 68
CONNECTION GAS: 41
TRIP GAS: _____
SHOW GAS: 70
DOWNTIME GAS: 41
LITHOLOGY: 30% dolomite, 70% anhydrite
COMMENTS: at 3929'

Type Mud: <u>Drilling mud</u>	MUD COMPANY: <u>Eagle Drilling Fluids</u>	MUD ENGINEER: <u>Ron Bailey</u>	Daily Cost: <u>\$190.25</u>	Qrm: <u>\$1,737.30</u>
DAILY MUD ADDITIVES: <u>Sure sweep 1/4 paper 8sk</u>		PHONE NUMBER: <u>432.664.3690</u>		

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	FF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECD
4023	600	10.4	32	3	5	3/3	9			3						3.2		1.3	94.0		10.40

BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily Ft/Hr	Total Ft/Hr.	WOB	RPM	BIT GRADE			
															INN	OUTER	BEARINGS	GAGE
3	12.25	STC	GF37Y	PJ0035	13, 13, 13		0	512	23.5	122		4	85	70				
2	12.25	STC	FDS	PG6481	3- 16s								25	65				

[illegible][illegible]

Rig Phone: _____

County: Lee

Rig Fax: _____

OPERATOR: DCP Midstream

Lease & Well No.: 1

Days from Spud 11

Date: 10/31/2007

Property ID: _____

Drilling Supervisor: Kirk Fetterolf

Phone: 325-206-2229

Depth: 4212

Drilling Supervisor: _____

Phone: _____

TVD: 4212.0

Drig Contractor tyler well service

Rig #: 2

Hole Size: 12.250 in

Toolpusher: _____

PHONE NUMBER: _____

Footage Last 24 hrs: 357

G. L. Elev.: _____

RKB to G. L. 18 ft

Days Chg. To Well: _____

KB to BHP: _____

Date Last BOP Test: na

AFE-DHC: 52,304,025

Prop. T.D. 9137

AFE# _____

LAST CASING: 13 3/8

CSG SHOETEST: 12 EFW

Cum. Monthly rig repair: _____ Hrs.

6649 PRESENT OPERATIONS: Trip out of hole for logs

FROM	TO	HRS.	CODE	DESCRIPTION DAILY ACTIVITY
600	1315	7.25	1	Drile from 4102 to 4163'
1315	1330	0.25	4	Rig service
1330	1400	0.5	1	Drile from 4163' to 4170'
1400	1900	5.0	1	Drile from 4170' to 4212'
1900	2030	1.5	3	Circulate & run sweeps on hole.
2030	2200	1.5	15	TOOTH to DC had to work through tight spot @ 1500'.
2200	2230	0.5	16	Trip in hole with DP
2230	330	5.0	2	WASH & REAM TO 4212'
330	345	0.25	3	CIRCULATE RUN SWEEP WLS @ 4212' 1/2 DEG.
345	600	2.25	14	TRIP OUT OF HOLE FOR LOGS.

CATEGORIES		DAILY	CUM. TOTALS
1. Drill rotating		12.75	193.25
2. Wash & ream		5.00	5.75
3. Circulate & condition		1.75	3.75
4. Service and lubricate rig		0.25	1.25
5. Rig repair			1.00
6. Directional/Deviation survey			3.50
7. Rig up casers/ run casing			2.00
8. Rig up cements/ cementing			4.00
9. Wait on cement			4.00
10. Nipple up BOPs/Nipple down BOPs			6.50
11. Test BOPs			2.50
12. Pick up / Lay down BHA			1.50
13. Pick up / Lay down drill string			2.00
14. Tripping/for bit/mud motor/mwd		2.25	10.75
15. Short trip		1.50	1.50
16. Other not listed		0.50	22.75
17. Move in rig up/Rig down move o			22.00
TOTALS		24.00	288.00
DRILLING		12.75	193.25
EVALUATION		0.00	0.00

P. U. Wt. _____ S. O. Wt. _____ String Wt. _____ Rot. Amps/Trg.: _____

DEVIATION SURVEYS:

DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS
4212	0.1		4023.78	92.70	92.70 0.00	0.00
4025	1.0		4210.77	94.41	94.41 0.00	0.00

SURVEY INFORMATION

DIRECTIONAL CO.				SUPERVISOR:	
DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES
4212	0.1		4023.78	92.70	92.70 0.00
4025	1.0		4210.77	94.41	94.41 0.00

DIRECTIONAL HOLE TARGETS

TARGET TVD: _____

TARGET AZM: _____

TARGET +N/S: _____

TARGET +E/W: _____

TARGET ENCL: _____ + UP / - DOWN

MUD LOGGER NAME: Don McGennis

MUD LOGGER PHONE: 4324160081

MUD LOGGERS REPORT

BACK GROUND GAS: _____

CONNECTION GAS: _____

TRIP GAS: _____

SHOW GAS: _____

DOWNTIME GAS: _____

LITHOLOGY: _____

COMMENTS: _____

MUD PROPERTIES

Type Mud: Drilling mud MUD COMPANY: Eagle Drilling Fluids MUD ENGINEER: Ron Bailey Daily Cost: \$0.00 Cum: \$1,737.30

PHONE NUMBER: 432.664.3690

BIT DATA

BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily Ft/Hr	Total Ft/Hr.	WOB	RPM	INN	OUTER	BEARINGS	GAGE
3	12.25	STC	GF37Y	PJ0035	13,13,13		357	869	12.8	134		6	65	70				
2	12.25	STC	FDS	PG6481	3- 18s								25	65				

PUMP DATA

PUMP NO.	TYPE	HP	% EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	DPAV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SLOW PUMP RATES			
														SPM	PSI	SPM	PSI	
1	DB700	575	80	16.0	5.5	6	22	500	4	6	6.46	2.58	0.40	0.02	3	250	2	2
2	DB700	575	80	16.0	5.5	0				5	0.00							

BOTTOM HOLE ASSEMBLY

BHA NO. <u>2</u>		OD	ID	LENGTH	OD	DRILL COLLARS <u>1</u>		DRILL COLLARS <u>2</u>	Total Length	HRS ON BHA
		DRILL PIPE 1: <u>4.50</u>	<u>3.83</u>	<u>4212.00</u>		<u>8.00</</u>				

NEW TECH ENGINEERING DAILY DRILLING REPORT



Rig Phone: _____

County: Lea

Rig Fax: _____

OPERATOR: DCP MidstreamLease & Well No.: 1Days from Spud 12Date: 11/1/2007

Property ID: _____

Drilling Supervisor: Kirk FeterolfPhone: 325-206-2229Depth: 4212

Drilling Supervisor: _____

Phone: _____

TVD: 4212.0Drig. Contractor lyler well serviceRig #: 2Hole Size: 12.250 in

Toolpusher: _____

PHONE NUMBER: _____

Footage Last 24 hrs: 0

G. L. Elev.: _____

RKB to G. L. 18 ft

Days Chg. To Well: _____

KB to BHF: _____

Date Last BOP Test: naAFE-DHC: \$2,304,025Prop. T.D. 9137

AFE# _____

LAST CASING: 13 3/8CSC SHOE TEST: 12 ENW

Cum. Monthly rig repair: _____ Hrs.

4004 PRESENT OPERATIONS: Running 9.5/8

DESCRIPTION DAILY ACTIVITY

FROM	TO	HRS.	CODE	DESCRIPTION
600	730	1.5	14	TIH
730	900	1.5	3	Circulate & condition hole run sweep to clean hole.
900	915	0.25	16	Safety meeting with rig crew on TOH
915	1000	0.75	14	Continue to Trip in hole
1000	1130	1.5	14	Finish with TIH
1130	1400	2.5	2	Wash 45' to bottom
1400	1530	1.5	3	Circulate & run sweep to clean hole.
1530	1545	0.25	16	safety meeting on WLS Tripping
1545	600	14.25	14	TOH w/DP recover toolco survey 1/2 deg.

C101 for 13 3/8 casing and cement was submitted to NMOCD. Schlumberger was broke down f. rom 6 am to 11 am.

DISTRIBUTION OF HOURS		
CATEGORIES	DAILY	CUM.
1. Drill rotating		193.25
2. Wash & foam	2.50	8.25
3. Circulate & condition	3.00	6.75
4. Service and lubricate rig		1.25
5. Rig repair		1.00
6. Directional/Deviation survey		3.50
7. Rig up casers/ run casing		2.00
8. Rig up cementers/ cementing		4.00
9. Wait on cement		4.00
10. Nipple up BOPs/Nipple down BC		6.50
11. Test BOPs		2.50
12. Pick up /Lay down BHA		1.50
13. Pick up /Lay down drill string		2.00
14. Tripping/for bit/mud motor/mwd	18.00	28.75
15. Short trip		1.50
16. Safety meeting	0.50	0.50
17. Other not listed		22.75
18. Move in rig up/Rig down move o		22.00
TOTALS	24.00	312.00
DRILLING	0.00	193.25
EVALUATION	0.00	0.00
DRILLING COST	INTANG. \$54,671.44	CUM \$1,111,858.37
	TANG. \$0.00	
	TOTALS \$54,671.44	\$1,137,548.37

P. U. Wt.

S. O. Wt.

String Wt.

Rot. Amps/Tq: _____

SURVEY INFORMATION

DEVIATION SURVEYS:							SUPERVISOR: _____	
DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS	DIRECTIONAL HOLE TARGETS	
4212	0.5		4177.73	98.39	98.39 0.00	0.00	TARGET TVD: _____	
4179	1.8		4210.72	97.04	97.04 0.00	0.00	TARGET AZM: _____	
							TARGET +N/-S: _____	
							TARGET +E/-W: _____	
							TARGET INCL: _____ + UP / - DOWN	

MUD LOGGER NAME: Don McGennisMUD LOGGER PHONE: 4324160081

MUD LOGGERS REPORT

BACK GROUND GAS: _____
 CONNECTION GAS: _____
 TRIP GAS: _____
 SHOW GAS: 76
 DOWNTIME GAS: 50
 LITHOLOGY: 70% Anth, 30% shale

COMMENTS: from 3943 Grayburg formation

MUD PROPERTIES

Type Mud: Drilling mudMUD COMPANY: Eagle Drilling FluidsMUD ENGINEER: Ron BaileyDaily Cost: \$0.00Cum: \$1,737.30PHONE NUMBER: 432.664.3690

DAILY MUD ADDITIVES:

Time 3, paper 2

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECD
4212	1530	9.3	33	5	4	4/4	9.500			2			4100	19000		4	1.0	95.1			9.30
BIT DATA																					
BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily Ft/Hr	Total Ft/Hr	WOB	RPM	BIT GRADE						
3	12.25	STC	GF37Y	PJ0035	13, 13, 13		0	869	0.0	134		6	65	70	INN	OUTER	BEARINGS	GAGE			
2	12.25	STC	FDS	PG6481	3- 16s								25	65							
PUMP DATA																					
PUMP NO.	TYPE	HP	EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	DPAV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SLOW PUMP RATES						
1	DB700	575	60	16.0	5.5	6	22	500	4	6	6.46	2.57	0.40	0.02	3	PSI	2	SPM	PSI		
2	DB700	575	60	16.0	5.5		0			5	0.00										

BOTTOM HOLE ASSEMBLY

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NEW TECH ENGINEERING DAILY DRILLING REPORT



Rig Phone: _____		County: <u>Lea</u>		Rig Fax: _____	
OPERATOR: <u>DCP Midstream</u>		Lease & Well No.: <u>1</u>		Days from Spud: <u>13</u>	
Property ID: _____		Date: <u>11/2/2007</u>			
Drilling Supervisor: <u>Kirk Fetterolf</u>		Phone: <u>325-206-2229</u>		Depth: <u>4212</u>	
Drilling Supervisor: _____		Phone: _____		TVD: <u>4212.0</u>	
Drig. Contractor <u>tyler well service</u>		Rig #: <u>2</u>		Hole Size: <u>12.250 in</u>	
Toolpusher: _____		PHONE NUMBER: _____		Footage Last 24 hrs: <u>0</u>	
G. L. Elev.: _____		RKB to G. L.: <u>18 ft</u>		Days Chg. To Well: _____	
KB to BHF: _____		Date Last BOP Test: <u>na</u>		AFE-DHC: <u>\$2,304,025</u>	
Prop. T.D.: <u>9137</u>		AFE# _____			
LAST CASING: <u>13 3/8</u>		CSG SHOE TEST: <u>12</u> DMW		Cum. Monthly rig repairs: _____ Hrs.	

9660 PRESENT OPERATIONS: <u>Running 9 5/8</u>					
FROM	TO	HRS.	CODE	DESCRIPTION DAILY ACTIVITY	
600	730	1.5	8	Run 9 5/8 2 5/8 408 155 casing TOC @ 4217. Held safety meeting w / casing crew.	
730	845	1.25	3	Ria down casing crew RU & circulate casing.	
845	1130	2.75	9	Ria up Halliburton held safety meeting with cementers cement casing with 1325 ex hose Cement lead test in with 325 ex premium plus plug down @ 1130 am Russell Bentley in touch with NMOCD. Circulate 43bbls to reserve pit.	
1130	1400	2.5	11	RD cementers set slips w 80k pulled on pipe.	
1400	1830	4.5	11	Cut off casing NU B section test same.	
1830	2200	3.5	11	Nipple up BOPE	
2200	2300	1.0	11	NU - BOPE	
2300	500	6.0	7	UP Schlumberger to run temp survey at request of NMOCD	
500	600	1.0	3	Test BOPE stack choke manifold kelly valves to 250 #S low 3000 #s high	

DISTRIBUTION OF HOURS		CUM.
CATEGORIES	DAILY	TOTALS
1. Drill rotating		193.25
2. Wash & ream		8.25
3. Circulate & condition	2.25	9.00
4. Service and lubricate rig		1.25
5. Rig repair		1.00
6. Directional/Deviation survey		3.50
7. Wireline Logs/open/cased hole	6.00	6.00
8. Rig up casers/ run casing	1.50	3.50
9. Rig up cementers/ cementing	2.75	6.75
10. Wait on cement		4.00
11. Nipple up BOPs/Nipple down BC	11.50	18.00
12. Test BOPs		2.50
13. Pick up / Lay down BHA		1.50
14. Pick up / Lay down drill string		2.00
15. Tripping/for bit/mud motor/mwd		28.75
16. Short trip		1.50
17. Safety meeting		0.50
18. Other not listed		22.75
19. Move in rig up/rig down move o		22.00
TOTALS	24.00	336.00
DRILLING	0.00	193.25
EVALUATION	6.00	6.00

SURVEY INFORMATION	
P. U. Wt. _____ S. O. Wt. _____ String Wt. _____ Rot. Amps/Tq: _____	
DEVIATION SURVEYS: _____	SUPERVISOR: _____
DIRECTIONAL CO. _____	DIRECTIONAL HOLE TARGETS
DEPTH ANGLE AZM TVD V.S. COORDINATES DLS	TARGET TVD: _____
4212 0.5 97.04 97.04 0.00 0.00	TARGET AZM: _____
	TARGET +N-S: _____
	TARGET +E-W: _____
	TARGET INCL.: _____ + UP / - DOWN

MUD LOGGER NAME: <u>Don McGennis</u>	
MUD LOGGER PHONE: <u>4324160081</u>	
MUD LOGGERS REPORT	
BACK GROUND GAS: _____	
CONNECTION GAS: _____	
TRIP GAS: _____	
SHOW GAS: _____	
DOWNTIME GAS: _____	
LITHOLOGY: _____	
COMMENTS: _____	

MUD PROPERTIES	
Type Mud: <u>Drilling mud</u>	MUD COMPANY: <u>Eagle Drilling Fluids</u>
MUD ENGINEER: <u>Ron Bailey</u>	Daily Cost: <u>\$69.00</u>
PHONE NUMBER: <u>432.664.3690</u>	Cum: <u>\$1,806.30</u>
DAILY MUD ADDITIVES: <u>6 paper, 3 super sweep</u>	

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP	WL	CAKE	PM	PF	CL	TOTAL	TOTAL	%	%	%	%	LCM	ECD
4212	1414	9.2	20		1	4.4	7				0			1600	11800		0	1.0	99.6			9.20

BIT DATA	
BIT NO. <u>3</u>	SIZE <u>12.25</u>
Mfg <u>STC</u>	Type <u>GF37Y</u>
Serial No. <u>PJ0035</u>	Jets - <u>32nds</u>
Depth Out <u>0</u>	Daily Feet <u>869</u>
Total Feet <u>0.0</u>	Total Hrs <u>134</u>
Daily Ft/Hr <u>6</u>	WOB <u>65</u>
RPM <u>70</u>	INN <u>65</u>
OUTER <u>65</u>	BEARINGS <u>65</u>
GAGE <u>65</u>	

PUMP DATA	
PUMP NO. <u>1</u>	TYPE <u>DB700</u>
HP <u>575</u>	Stroke Length <u>60</u>
Stroke Size <u>18.0</u>	SPM <u>5.5</u>
GPM <u>22</u>	Pump Press <u>500</u>
DPAV <u>4</u>	DCAV <u>6</u>
Surface HHP <u>6.46</u>	Bit HHP <u>2.57</u>
% HHP At Bit <u>0.40</u>	HHP/IN ² <u>0.02</u>
SPM <u>3</u>	PSI <u>250</u>
SPM <u>2</u>	PSI <u>2</u>

BOTTOM HOLE ASSEMBLY	
BHA NO.: <u>2</u>	DRILL PIPE 1: <u>4.50</u>
DRILL PIPE 2: <u>0.00</u>	DRILL COLLARS 1: <u>8.00</u>
DRILL COLLARS 2: <u>7.00</u>	Total Length: <u>0.00</u>
REMARKS: _____	HRS ON BHA: <u>185</u>

[illegible]

NEW TECH ENGINEERING DAILY DRILLING REPORT



Rig Phone: _____		County: <u>Lea</u>		Rig Fax: _____	
OPERATOR: <u>DCP Midstream</u>		Lease & Well No.: <u>1</u>		Days from Spud <u>16</u>	
		Property ID: _____		Date: <u>11/5/2007</u>	
Drilling Supervisor: <u>Kirk Fetterolf</u>		Phone: <u>325-206-2229</u>		Depth: <u>5175</u>	
Drilling Supervisor: _____		Phone: _____		TVD: <u>5175.0</u>	
Drig. Contractor <u>tyler well service</u>		Rig #: <u>2</u>		Hole Size: <u>8.750</u> in	
Toolpusher: _____		PHONE NUMBER: _____		Footage Last 24 hrs: <u>-5</u>	
G. L. Elev.: _____		RKB to G. L. <u>18 ft</u>			
KB to BHF: _____		Date Last BOP Test: <u>11/2/07</u>		Days Chg. To Well: _____	
Prop. T.D. <u>9137</u>		AFE# _____		AFE-DHC: <u>5 2,304,025</u>	
LAST CASING: <u>9 5/8</u>		CSG SHOE TEST: <u>12</u> CNW		Cum. Monthly rig repairs: _____ Hrs.	

DISTRIBUTION OF HOURS		
CATEGORIES	DAILY	CUM. TOTALS
1. Drill rotating	2.00	235.75
2. Wash & ream		8.25
3. Circulate & condition	3.00	12.00
4. Service and lubricate rig	1.00	2.25
5. Rig repair		1.00
6. Directional/Deviation survey		3.50
7. Wireline Logs/open/cased hole		6.00
8. Rig up casers/ run casing		3.50
9. Rig up cementers/ cementing		6.75
10. Wait on cement		4.00
11. Nipple up BOPs/Nipple down BC		18.00
12. Test BOPs		2.50
13. Pick up /Lay down BHA	5.00	6.50
14. Pick up /Lay down drill string		2.00
15. Tripping/for bit/mud motor/mud	9.00	38.25
16. Short trip		1.50
17. Drill cement/float equipment		1.00
18. Safety meeting		0.50
19. Other not listed	4.00	32.75
20. Move in rig up/Rig down move o		22.00
TOTALS	24.00	408.00
DRILLING	2.00	235.75
EVALUATION	0.00	6.00

FROM	TO	HRS.	CODE	DESCRIPTION DAILY ACTIVITY
600	800	2.0	1	Drig from 5175' to 5247'
800	1100	3.0	3	Circulate & spot high vis. 32 Pill
1100	1330	2.5	15	Set kelly back held safety meeting. TOOH for DST.
1400	1600	2.0	13	Lay down 7" DC's & IRS
1600	1700	2.0	13	Pick up & make up DST tools
1700	2100	4.0	15	Trip in hole under full hydraulic
2100	2200	1.0	19	DST test #1 from 5009' to 5012' slight blow on DP.
2200	100	3.0	19	Finish up DST test Rig down tools.
130	400	2.5	15	Chain out of hole
410	445	0.75	13	Lay down DST tools
450	500	0.25	13	Make up BHA Hold safety meeting
500	600	1.0	4	Make up Bit Rig service Crew change

P. U. WL.		S. O. WL.		String WL.		Rot. Amps/Tq.	
SURVEY INFORMATION							
DEVIATION SURVEYS:				DIRECTIONAL CO.		SUPERVISOR:	
DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS	DIRECTIONAL HOLE TARGETS
4941	1.0		4939.64	107.87	107.87 0.00	0.00	TARGET TVD: _____
							TARGET AZM: _____
							TARGET +N/-S: _____
							TARGET +E/-W: _____
							TARGET INCL: _____ + UP / - DOWN

MUD LOGGER NAME: <u>Don McGennis</u>		MUD LOGGER PHONE: <u>4324160081</u>	
MUD LOGGERS REPORT			
BACK GROUND GAS: <u>53</u>			
CONNECTION GAS: <u>53</u>			
TRIP GAS: <u>0</u>			
SHOW GAS: <u>0</u>			
DOWNTIME GAS: <u>0</u>			
LITHOLOGY: <u>80% Dolomite 20% sand</u>			
COMMENTS: <u>Delaware Sands</u>			

MUD PROPERTIES		MUD COMPANY: <u>Eagle Drilling Fluids</u>		MUD ENGINEER: <u>Ron Bailey</u>		Daily Cost: <u>\$0.00</u>		Cum: <u>\$1,863.80</u>	
Type Mud: <u>Drilling mud</u>									
DAILY MUD ADDITIVES: <u>Nitrates to maintain 150 ppm.</u>									

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	PM CAKE	PF LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECD
5090	2315	9.2	29		1		10						3000	14200		1	0.8	99.3			9.20

BIT DATA															BIT GRADE				
BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily FU/Hr	Total FU/Hr.	WOB	RPM	THN	OUTER	BEARINGS	GAGE	
3	12.25	STC	GF37Y	PJ0035	13,13,13		-5	1832	2.8	170		11	65	70					
2	12.25	STC	FDS	PG6481	3- 16s								25	65					

PUMP DATA															SLOW PUMP RATES				
PUMP NO.	TYPE	HP	EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	DPAV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SPM	PSI	SPM	PSI	
1	DB700	575	60	16.0	5.5	6	22	500	10	43	6.46	2.56	0.40	0.04	3	250	2	2	
2	DB700	575	60	16.0	5.5	0	0			20	0.00								

BOTTOM HOLE ASSEMBLY									
BHA NO.: <u>2</u>		OD	ID	LENGTH	OD				
DRILL PIPE 1		4.50	3.83	5175.00	DRILL COLLARS 1		8.00		
DRILL PIPE 2		0.00	0.00	0.00	DRILL COLLARS 2		7.00		
ITEM	Description	Length	O.D.	I.D.	Top Conn	Bottom Conn	TOPTO BIT	Total Length	HRS ON BHA [221]

Rig Phone: _____

County: Lea

Rig Fax: _____

OPERATOR: DCP Midstream

Lease & Well No: 1

Days from Spud 17

Date: 11/6/2007

Property ID: _____

Drilling Supervisor: Kirk Fetterolf

Phone: 325-206-2229

Depth: 5690

Drilling Supervisor: _____

Phone: _____

TVD: 5690.0

Drig. Contractor tyler well service

Rig #: 2

Hole Size: 8.750 in

Toolpusher: _____

PHONE NUMBER: _____

Footage Last 24 hrs: 515

G. L. Elev.: _____

RKB to G. L. 18 ft

Days Chg. To Well: _____

KB to BHF: _____

Date Last BOP Test: 11.2.07

AFE-DHC: \$2,304,025

Prop. T.D. 9137

AFE# _____

Cum. Monthly rig repair: _____ Hrs.

LAST CASING: 9.5/8

CSG SHOE TEST: 12 EMW

9668 PRESENT OPERATIONS: Drilling ahead @ 5690'

FROM	TO	HRS	CODE	DESCRIPTION DAILY ACTIVITY
630	630	0.5	13	Lay down test tools
630	645	0.25	15	TOOH
645	745	1.0	13	Lay down tools & load out truck
745	1145	4.0	15	Pick up BHA. Trip in hole
1145	1215	0.5	2	Wash & ream 40' to bottom
1215	1400	1.75	1	Drle from 5247' to 5280' @ 30'PH
1400	1900	5.0	1	Drle from 5280' to 5426' Ave 28'PH
1900	1930	0.5	6	WLS @5326' 1 deg
1930	2200	2.5	1	Drle from 5426' to 5487'
2200	500	7.0	1	Drle from 5487' to 5676' 25'PH
500	530	0.5	6	WLS @5630' 1.25 deg
530	600	0.5	1	Drle from 5630' to 5690'

CATEGORIES		DAILY	CUM. TOTALS
1. Drill rotating		16.75	252.50
2. Wash & ream		0.50	8.75
3. Circulate & condition			12.00
4. Service and lubricate rig			2.25
5. Rig repair			1.00
6. Directional/Deviation survey		1.00	4.50
7. Wireline Logs/open/cased hole			6.00
8. Rig up casers/run casing			3.50
9. Rig up cementers/cementing			6.75
10. Well on cement			4.00
11. Nipple up BOPs/Nipple down BC			18.00
12. Test BOPs			2.50
13. Pick up /Lay down BHA		1.50	8.00
14. Pick up /Lay down drill string			2.00
15. Tripping/for bit/mud motor/mwd		4.25	42.50
16. Short trip			1.50
17. Drill cement/float equipment			1.00
18. Safety meeting			0.50
19. Other not listed			32.75
20. Move in rig up/Rig down move o			22.00
TOTALS		24.00	432.00
DRILLING		16.75	252.50
EVALUATION		0.00	6.00

P. U. Wt. _____

S. O. Wt. _____

String Wt. _____

Rot. Amps/Tq.: _____

SURVEY INFORMATION

DEVIATION SURVEYS:

DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS
5380	1.0		5378.57	115.53	115.53 0.00	0.00
5630	1.3		5628.52	120.44	120.44 0.00	0.00

SUPERVISOR: _____

DIRECTIONAL HOLE TARGETS

TARGET TVD: _____

TARGET AZM: _____

TARGET +N/S: _____

TARGET +E/W: _____

TARGET INCL: _____ - UP / - DOWN

MUD LOGGER NAME: Don McGennis

MUD LOGGER PHONE: 4324160081

MUD LOGGERS REPORT

BACK GROUND GAS _____

CONNECTION GAS: 30

TRIP GAS: _____

SHOW GAS: 0

DOWNTIME GAS: 30

LITHOLOGY: 80% limestone, 20% dolomite

COMMENTS: Last Zone Glorita

TYPE MUD: Drilling mud

MUD COMPANY: Eagle Drilling Fluids

MUD ENGINEER: Ron Bailey

PHONE NUMBER: 432.664.3690

Daily Cost: \$94.40

Cum: \$1,958.20

DAILY MUD ADDITIVES:

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECD
2960	600	9.3	29		1		10.500						2400	110000			0.8		99.1		8.31

BIT DATA

BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily F/LHr	Total F/LHr	WOB	RPM	INN	OUTER	BEARINGS	GAGE
3	12.25	STC	GF37Y	PJ0035	13, 13, 13		515	2347	16.8	187		13	85	70				
2	12.25	STC	FDS	PG6481	3- 16s								25	85				

PUMP DATA

PUMP NO.	TYPE	HP	% EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	DPAV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ² </
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Rig Floor:
County: Len
Rig Fax:

OPERATOR: DCP Midstream
Lease & Well No: 1
Days from Spud: 18
Date: 11/7/2007

Drilling Supervisor: Kirk Fetterolf
Phone: 325-206-2229
Depth: 5950
Drilling Supervisor:
Phone:
TVD: 5950.0
Drig. Contractor tyler well service
Rig #: 2
Hole Size: 8.750 in
Toolpusher:
PHONE NUMBER:
Footage Last 24 hrs: 260

G. L. Elev.:
RKB to G. L. 18 ft
Date Last BOP Test: 11/2/07
Days Chg. To Well:
KB to BHP:
AFE#
AFE-DHC: \$ 2,304,025
Prop. T.D. 9137

LAST CASING: 9 5/8
CSC SHOE TEST: 12
DNV
Cum. Monthly rig repair:
Hrs.

6609 PRESENT OPERATIONS: lost circulation @ 5950' mixing premix tank w LCM

FROM	TO	HRS.	CODE	DESCRIPTION DAILY ACTIVITY
600	1400	8.0	1	Drills from 5699' to 5926'
1400	1500	1.0	1	Drills from 5926' to 5950' @ 35' per hr
1500	1630	1.3	4	Lost circulation @ 5950' POOH 4 std's mix LCM pill to 50+ vis 8.7 wt.
1630	1700	0.5	4	Pump LCM pill with no returns
1700	2030	3.5	4	POOH four std's mix LCM pill to 50+ vis of fiber plug & nut shells, TH spot LCM plug N-O returns
2030	2200	1.5	4	Mud up pits to 32 vis wt 8.7
2200	600	8.0	4	Mix LCM to 50+ vis, WT 8.7 TH pump pill at 5926' POOH to 4168' No returns at 38 strokes per min with rig pump, 950#s no returns
Purmed total of 1200 bbls lost.				

DISTRIBUTION OF HOURS		CUM.
CATEGORIES	DAILY	TOTALS
1. Drill rotating	9.00	261.50
2. Wash & ream		8.75
3. Circulate & condition		12.00
4. Lost Returns	15.00	15.00
5. Service and lubricate rig		2.25
6. Rig repair		1.00
7. Directional/Deviation survey		4.50
8. Wireline Logs/open/cased hole		6.00
9. Rig up casers/ run casing		3.50
10. Rig up cements/ cementing		6.75
11. Wait on cement		4.00
12. Nipple up BOP/Nipple down BC		18.00
13. Test BOPs		2.50
14. Pick up / Lay down BHA		8.00
15. Pick up / Lay down drill string		2.00
16. Tripping/for bit/mud motor/mwd		42.50
17. Short trip		1.50
18. Drill cement/float equipment		1.00
19. Safety meeting		0.50
20. Other not listed		32.75
21. Move in rig up/Rig down move o		22.00
TOTALS	24.00	456.00
DRILLING	9.00	261.50
EVALUATION	0.00	6.00

P. U. Wt.	S. O. Wt.	String Wt.	Rot. Amps/Tq.
SURVEY INFORMATION			
DEVIATION SURVEYS:			SUPERVISOR:
DEPTH	ANGLE	AZM	TVD
5630	1.3		5628.52
			120.44
			120.44
			0.00
			0.00
DIRECTIONAL HOLE TARGETS			
TARGET TVD:			
TARGET AZM:			
TARGET +/-S:			
TARGET +/-W:			
TARGET INCL: _____ + UP / - DOWN			

MUD LOGGER NAME: Don Mcgeunis		MUD LOGGER PHONE: 4324160081	
MUD LOGGERS REPORT			
BACK GROUND GAS: 25			
CONNECTION GAS:			
TRIP GAS: 0			
SHOW GAS: 0			
DOWNTIME GAS: 25			
LITHOLOGY: 90% limestone, 10% dolomite			
COMMENTS:			

MUD PROPERTIES															
Type Mud:	MUD COMPANY: Eagle Drilling Fluids					MUD ENGINEER: Ron Bailey					Daily Cost: \$1,331.29				
										PHONE NUMBER: 432.564.3690					
DAILY MUD ADDITIVES: 1 caustic, 23 pepper, 3 soda ash, 270 salt gel, 45 starch, 110 fiber plug, 90 pronto plug.															

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	PM CAKE	PF LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECD
4168	534	8.7	28		1		10						800	12000					99.7		8.71

BIT DATA															BIT GRADE			
BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily Ft/Hr	Total Ft/Hr	WOB	RPM	INN	OUTER	BEARINGS	GAGE
4	12.25	STC	GF37Y	PJ0035	13,13,13		280	2607	16.8	17		155	65	70				
2	12.25	STC	FDS	PG6481	3- 16s	2705							25	65				

PUMP DATA															SLOW PUMP RATES			
PUMP NO.	TYPE	HP	% EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	DPAV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SPM	PSI	SPM	PSI
1	DB700	575	60	16.0	5.5	6	22	500	10	43	6.46	2.56	0.40	0.04	3	250		

Rig Floor:

County: Len

Rig Fax:

OPERATOR: DCP Midstream

Lease & Well No: 1

Days from Spool 19

Date: 11/2/2007

Property ID:

Drilling Supervisor: Kirk Fetterolf

Phone: 325-206-2229

Depth: 5950

Drilling Supervisor:

Phone:

TVD: 5950.0

Drig. Contractor Tyler well service

Rig #: 2

Hole Size: 8.750 in

Toolpusher:

PHONE NUMBER:

Footage Last 24 hrs: 0

G. L. Elev:

RKB to G. L. 18 ft

Days Chg. To Well:

KB to BHP:

Date Last BOP Test: 11/2/07

AFE-DHC: \$ 2,304,025

Prop. T.D. 9137

AFE#

LAST CASING: 9 5/8

CSG SHOE TEST: 12 ENTW

Cum. Monthly rig repair: Hrs.

9660 PRESENT OPERATIONS: lost circulation @ 5950' mixing premix tank w LCM

DESCRIPTION DAILY ACTIVITY

FROM	TO	HRS.	CODE	DESCRIPTION
600	800	2.0	4	mix LCM in slug pit
800	845	0.75	4	THT to spot LCM plus at 5950'
845	915	0.5	3	Spot LCM plus. No returns.
915	930	0.25	3	TOOH 5 sts.
930	945	0.25	3	PU Kelly clear DP of LCM
945	1100	1.25	18	TOH to HWDP.
1100	1115	0.25	4	Attempt to fill hole. Pumped 300 bbls. Hole would not fill.
1115	1230	1.25	17	TOOH with DP
1230	1900	6.5	15	Made a precautionary wiper trip while mobilizing Halliburton.
1900	2400	5.0	12	Waiting on 2-7/8" handling tools for fiberglass tubing, tools 3rd party sourced by Halliburton.
2400	100	1.0	15	Pre-job safety meeting with crews regarding nicking up 2-7/8" fiberglass tubing. Picked up 15 lbs (402') of tubing. Made up Halliburton tubing release tool on top of fiberglass tubing.
100	430	3.5	17	Trip in hole with 4-1/2" DP, tripped in slowly with 402' of fiberglass tubing on bottom. Place bit on fiberglass the at 5900'. 50' above TJD to ensure the fiberglass tube was not damaged. Tubing release tool was at 5500'
430	500	0.5	10	Pre-job safety meeting with cementing & rig crews. Rigged up cementing equipment.
500	530	0.5	10	Pumped Lost Circulation cement job: 30 bbls Fresh Water 12 bbls Flo-Check 5 bbls Fresh Water 42 bbls of 14.1 one Thick-O-Tonic cement 12 bbls 14.5 one Class "C" 2-1/2% CaCl Displaced with 78 bbls of Fresh Water and burred steel ball with 3000 psi surface pressure to release from the fiberglass tubing.
530	600	0.5	17	Trimming out of the hole with 4-1/2" drill pipe

P. U. Wt.

S. O. Wt.

String Wt.

Rot. Amps/Tq:

SURVEY INFORMATION

DEVIATION SURVEYS:

DIRECTIONAL CO.

SUPERVISOR:

DEPTH

ANGLE

AZM

TVD

V.S.

COORDINATES

DLS

DIRECTIONAL HOLE TARGETS

TARGET TVD:

TARGET AZM:

TARGET +N-S:

TARGET +E-W:

TARGET INCL: + UP / - DOWN

MUD LOGGER NAME: Don Mcgenis

MUD LOGGER PHONE: 4324160081

MUD LOGGERS REPORT

BACK GROUND GAS

CONNECTION GAS:

TRIP GAS:

SHOW GAS:

DOWNTIME GAS:

LITHOLOGY:

COMMENTS:

MUD PROPERTIES

Type Mud: Drilling mud

MUD COMPANY: Eagle Drilling Fluids

MUD ENGINEER: Ron Bailey

PHONE NUMBER: 432.664.3690

Daily Cost: \$0.00

Cum: \$3,289.49

DAILY MUD ADDITIVES:

DEPTH

TIME

MW

VIS

PV

YP

GELS

PH

API WL

HTHP WL

CAKE

PM LIME

PF ES

CL PPM

TOTAL CL

TOTAL SALT

% SAND

% SOLIDS

% OIL

% WATER

LCM PPB

ECD

BIT DATA

BIT NO

SIZE

M/G

Type

Serial No.

Jets - 32nds

Depth Out

Daily Feet

Total Feet

Hrs.

Total Hrs

Daily FU/Hr

Total FL/Hr.

WOB

RPM

INN

OUTER

BEARINGS

GAGE

PUMP DATA

PUMP NO.

TYPE

HP

% EFF.

Stroke Length

Liner Size

SPM

GPM

Pump Press

DPAV

DCAV

Surface HHP

Bit HHP

% HHP At Bit

HHP/IN²

SPM

PSI

SPM

PSI

BOTTOM HOLE ASSEMBLY

OD

ID

LENGTH

OD

BHA NO: 2

DRILL PIPE 1: 4.50

3.83

5950.00

DRILL COLLARS 1: 8.00

DRILL PIPE 2: 6.00

0.00

0.00

DRILL COLLARS 2: 7.00

Total Length: 0.00

HRS ON BHA: 264

ITEM

Description

Length

O.D.

I.D.

Top Conn

Bottom Conn

TOP TO BIT

REMARKS

[illegible]

NEW TECH ENGINEERING

DAILY DRILLING REPORT

Rig Phone: _____

County: Lea

Operator: DCP Midstream

Lease & Well No: 1

Property ID: _____

Drilling Supervisor: Kirk Fetterolf

Phone: 325-206-2229

Depth: 6908

Drilling Supervisor: _____

Phone: _____

TVD: 6908.0

Drig. Contractor: Tyler well service

Rig #: 2

Hole Size: 8.750 in

Toolpusher: _____

PHONE NUMBER: _____

Footage Last 24 hrs: 731

G. L. Elev.: _____

RKB to G. L.: 18 ft

Days Chg. To Well: _____

KB to BHP: _____

Date Last BOP Test: 11/2/07

AFE# _____

AFE-DHC: \$2,304,025

Prop. T.D. 9137

LAST CASING: 9 5/8

CSG SHOE TEST: 12 ENFW

Cum. Monthly rig repair: _____ Hrs.

Rig Fax: _____

Days from Spud: 22

Date: 11/11/2007



6900 PRESENT OPERATIONS: Drilling ahead at 6908' @ 25 to 30ph

FROM	TO	HRS	CODE	DESCRIPTION DAILY ACTIVITY
600	1300	17.0	1	Drig. from 6177 to 6334' with partial returns.
1300	1315	0.25	5	Rix service.
1315	1400	0.75	1	Drig. from 6334' to 6359' circulation showing signs of improvement.
1400	2115	7.25	1	Drig. from 6359' to 6647' Parcel returns to full returns no tight hole while rosepacing.
				nr pipe.
2115	2145	0.5	7	Wire line survey @ 6601' 2 deg.
2145	2200	0.25	1	Drig. from 6647 to 6657 full circulation for returns.
2200	515	7.25	1	Drig. from 6657 to 6898' still running LCM sweeps to maintain full circulation.
515	600	0.75	1	Drig. from 6898 to 6908' with good circulation to surface.

DISTRIBUTION OF HOURS

CATEGORIES	DAILY	CUM. TOTALS
1. Drill rotating	23.25	297.50
2. Wash & ream		8.75
3. Circulate & condition		14.50
4. Lost Returns		18.00
5. Service and lubricate rig	0.25	2.50
6. Rig repair		1.00
7. Directional/Deviation survey	0.50	5.25
8. Wireline Logs/open/cased hole		6.00
9. Rig up casing/ run casing		3.50
10. Rig up cements/ cementing		7.75
11. Wait on cement		7.75
12. Wait on service company		5.00
13. Nipple up BOP/Nipple down BOP		18.00
14. Test BOPs		2.50
15. Pick up / Lay down BHA		17.00
16. Pick up / Lay down drill string		5.00
17. Tripping / for bit/mud motor/mwd		49.00
18. Short trip		2.75
19. Drill cement/lost equipment		1.00
20. Safety meeting		0.50
21. Other not listed		32.75
22. Move in rig up/rig down move o		22.00
TOTALS	24.00	528.00
DRILLING	23.25	297.50
EVALUATION	0.00	6.00

P. U. Wt. _____ S. O. Wt. _____ String Wt. _____

Rot. Amps/Tq.: _____

SURVEY INFORMATION

DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS
6130	1.5		6128.38	132.44	132.44 0.00 0.00	
6601	2.0		6598.18	145.79	145.79 0.00 0.00	

DEVIATION SURVEYS: _____

DIRECTIONAL CO. _____

SUPERVISOR: _____

DIRECTIONAL HOLE TARGETS

TARGET TVD: _____

TARGET AZM: _____

TARGET +N-S: _____

TARGET +E-W: _____

TARGET INCL: _____ + UP / - DOWN

MUD LOGGER NAME: Don McGennis

MUD LOGGER PHONE: 4324160081

MUD LOGGERS REPORT

BACK GROUND GAS: 30

CONNECTION GAS: 20

TRIP GAS: 0

SHOW GAS: 221

DOWNTIME GAS: 30

LITHOLOGY: 70% limestone, 20% shale, 10% Dolomite.

COMMENTS: Trace show @ 6410' to 6420' ROP through bone springs

55FPH.

DRILLING COST	DAILY	CUM
INTANG.	\$17,487.72	\$1,434,439.92
TANG.	\$0.00	\$139,265.00
TOTALS	\$17,487.72	\$1,573,704.92

MUD PROPERTIES

Type Mud: Drilling mud

MUD COMPANY: Eagle Drilling Fluids

MUD ENGINEER: Ron Bailey

PHONE NUMBER: 432.664.3690

Daily Cost: \$2,933.72

Cum: \$6,223.21

DAILY MUD ADDITIVES: Paper 26 sk, gel 190, mica 37 sk, caustic 18 sk, starch 62 sk, defoamer 15 gal, F- Plug 30, cotton seed hauls 101 sk, nut plug 60 sks

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECD
6375	1435	8.5	3D		1		9						10000				1	0.0	98.0	5.900	8.51

BIT DATA

BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily Ft/Hr	Total Ft/Hr	WOB	RPM	INN	OUTER	BEARINGS	GAGE
3	12.25	STC	GF37Y	PJ0035	13, 13, 13		731	3565	23.3	232		15	55	70				
2	12.25	STC	FDS	PG6481	3-16s								25	65				

PUMP: D or T ROD: ROD is the dia. Of the piston rod on dual action pumps

D is for duplex pump

T is for triplex pump

PUMP DATA

PUMP NO.	TYPE	HP	% EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	DP4V	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SPM	PSI	SPM	PSI
1	DB700	575	80	16.0	5.5	6	22	500	10	43	6.46	2.56	0.40	0.04	3	250	2	2
2	DB700	575	80	16.0	5.5	0	0			20	0.00							

BOTTOM HOLE ASSEMBLY

ITEM	Description	Length	OD	ID	LENGTH	Top Conn	Bottom Conn	TOP TO BIT	REMARKS	HRS ON BHA
	BHA NO. 2									300
	DRILL PIPE 1	4.50	3.83	5908.00						
	DRILL PIPE 2	0.00	0.00	0.00						
	DRILL COLLARS 1	8.00								
	DRILL COLLARS 2	7.00								
	Total Length	0.00								

NEW TECH ENGINEERING

DAILY DRILLING REPORT



Rig Phone: _____		Country: <u>Lea</u>		Rig Fax: _____	
OPERATOR: <u>DCP Midstream</u>		Lease & Well No: <u>1</u>		Days from Spud <u>24</u>	
		Property ID: _____		Date: <u>11/13/2007</u>	
Drilling Supervisor: <u>Kirk Fetterolf</u>		Phone: <u>325-206-2229</u>		Depth: <u>7714</u>	
Drilling Supervisor: _____		Phone: _____		TVD: <u>7714.0</u>	
Drig. Contractor <u>tyler well service</u>		Rig #: <u>2</u>		Hole Size: <u>8.750</u> in	
Toolpusher: _____		PHONE NUMBER: _____		Footage Last 24 hrs: <u>7714</u>	
G. L. Elev.: _____		RKB to G. L. <u>18 ft</u>			
KB to BHP: _____		Date Last BOP Test: <u>11/2/07</u>		Days Chg. To Well: _____	
Prop. T.D. <u>9137</u>		AFE# _____		AFE-DHC: <u>5 2304,025</u>	
LAST CASING: <u>9 5/8</u>		CSG SHOE TEST: <u>12</u> EMW		Cum. Monthly rig repair: _____ Hrs.	

6666 PRESENT OPERATIONS: Drilling ahead at 7714' @ 25 to 30 fph			
FROM	TO	HRS. CODE	DESCRIPTION DAILY ACTIVITY
600	630	0.5	1 Drig from 7118' to 7149' with good returns.
630	645	0.25	5 Rig service
645	830	1.75	1 Drig from 7149' to 7212' @ 20 to 25 FPH with good returns.
830	900	0.5	1 Wireline survey @ 7166' 2 day.
900	1400	5.0	1 Drig from 7212' to 7354' @ 20 TO 25' PH. & 75% returns to pit.
1400	2200	8.0	1 Drig from 7354' to 7530' @ 20 TO 25' PH with 50% returns to pit. continue to mix & pump p LCM slug with LCM at 30# per bbl.
2200	600	8.0	1 Drig from 7530' to 7714' at 20 to 25' PH. 75% returns to pit.

DISTRIBUTION OF HOURS		
CATEGORIES	DAILY	CUM.
1. Drill rotating	23.75	321.25
2. Wash & remm		8.75
3. Circulate & condition		14.50
4. Lost Returns		18.00
5. Service and lubricate rig	0.25	2.75
6. Rig repair		1.00
7. Directional/Deviation survey		5.25
8. Wireline Logs/open/cased hole		6.00
9. Rig up casers/ run casing		3.50
10. Rig up cementers/ cementing		7.75
11. Wait on cement		7.75
12. Wait on service company		5.00
13. Nipple up BOPs/Nipple down BC		18.00
14. Test BOPs		2.50
15. Pick up / Lay down BHA		17.00
16. Pick up / Lay down drill string		5.00
17. Tripping/for bit/mud motor/mwd		49.00
18. Short trip		2.75
19. Drill cement/float equipment		1.00
20. Safety meeting		0.50
21. Other not listed		32.75
22. Move in rig up/Rig down move o		22.00
TOTALS	24.00	552.00
DRILLING	23.75	321.25
EVALUATION	0.00	6.00

SURVEY INFORMATION			
P. U. Wt.	S. O. Wt.	String Wt.	Rot. Amps/Tq.:
DEVIATION SURVEYS:			
DEPTH	ANGLE	AZM	TVD
7166	2.0		7163.84
			185.51
			165.51
			0.00
			0.00

SUPERVISOR:			
DEPTH	ANGLE	AZM	TVD
7166	2.0		7163.84
			185.51
			165.51
			0.00
			0.00

MUD LOGGERS REPORT			
MUD LOGGER NAME: <u>Don Megennis</u>			
MUD LOGGER PHONE: <u>4324160081</u>			
MUD LOGGERS REPORT			
BACK GROUND GAS <u>26.300</u>			
CONNECTION GAS: <u>26</u>			
TRIP GAS: _____			
SHOW GAS: <u>0</u>			
DOWNTIME GAS: <u>26</u>			
LITHOLOGY: <u>70% limestone, 30% sand</u>			
COMMENTS: _____			

MUD PROPERTIES			
Type Mud: <u>Drilling mud</u>	MUD COMPANY: <u>Eagle Drilling Fluids</u>	MUD ENGINEER: <u>Ron Bailey</u>	Daily Cost: <u>\$908.25</u>
		PHONE NUMBER: <u>432 664 3690</u>	Cum: <u>\$7,131.46</u>

DAILY MUD ADDITIVES:															
DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT
7430	1647	8.5	29				10							12000	

BIT DATA															
BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily FL/Hr	Total FL/Hr.	WOB	RPM	INN
3	12.25	STC	GF37Y	PJ0035	13-13-13		806	4371	23.8	256		17	65	70	
2	12.25	STC	FDS	PG6481	3-16s								25	65	

PUMP DATA															
PUMP NO.	TYPE	HP	EFF.	% Stroke Length	Liner Size	SPM	GPM	Pump Press	DPAV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SLOW PUMP RATES
1	DB700	575	60	16.0	5.5	6	22	500	10	43	6.46	2.56	0.40	0.04	3
2	DB700	575	60	16.0	5.5	0				20	0.00				

BOTTOM HOLE ASSEMBLY															
ITEM	Description	Length	O.D.	I.D.	Top Conn	Bottom Conn	TOPTO BIT	REMARKS							
	BHA NO. 2														
	DRILL PIPE 1	4.50	3.83	7714.00											
	DRILL PIPE 2	0.00	0.00	0.00											
	DRILL COLLARS 1	8.00													
	DRILL COLLARS 2	7.00													
	Total Length	0.00													
	HRS ON BHA	323													

NEW TECH ENGINEERING

DAILY DRILLING REPORT



Rig Phone: _____ County: Lea Rig Fax: _____

OPERATOR: DCP Midstream Lease & Well No: 1 Days from Spud: 25 Date: 11/14/2007

Property ID: _____

Drilling Supervisor: Kirk Fetterolf Phone: 325-206-2229 Depth: 8278

Drilling Supervisor: _____ Phone: _____ TVD: 8278.0

Drig Contractor tyler well service Rig #: 2 Hole Size: 8.750 in

Toolpusher: _____ PHONE NUMBER: _____ Footage Last 24 hrs: 564

G. L. Elev.: _____ RKB to G. L.: 18 ft

KB to BHP: _____ Date Last BOP Test: 11/2/07 Days Chg. To Well: _____

Prop. T.D. 9137 AFE# _____ AFE-DHC: \$2,304,025

LAST CASING: 9.5/8 CSG SHOE TEST: 12 EMW _____ Cum. Monthly rig repair: _____ Hrs.

6000 PRESENT OPERATIONS: Drilling ahead at 8278 @ 10 to 20 fph

FROM	TO	HRS.	CODE	DESCRIPTION DAILY ACTIVITY
600	915	3.25	1	Drig from 7714' to 7809' using 8.8 to 8.9 fresh water & pumping a 10 bbl LCM slur consisting of 20# per bbl LCM to maintain circulation.
915	930	0.25	5	Chenae out corrosion ring
930	945	0.25	5	Rig service
945	1400	4.25	1	Continue to drill From 7807 to 7896' ahead using 8.9 cut brine. Pump LCM sweeps every 20'
1400	1530	1.5	1	Drig from 7807 to 7896' with 50k on bit at 65 rpm, pumping 20 bbl sweeps every 20' to 30' of hole drilled to maintain circulation.
1530	1600	0.5	7	Ran wireline survey @ 7888' = 3/4 deg.
1600	2200	6.0	1	Drilline ahead from 7934' to 8041' w 8.8 water, 65 rpm, 50k on bit at 15 to 20' per hour drilling limestone and dolomite.
2200	600	8.0	1	Drig from 8041' to 8275' with 50' on bit 65 rpm continue to pump sweeps to maintain circulation.
				Ran WLS at 8232' 1/2 deg. drilling ahead at 20 foot per hr.

DISTRIBUTION OF HOURS		CUM.
CATEGORIES	DAILY	TOTALS
1. Drill rotating	23.00	344.25
2. Wash & steam		8.75
3. Circulate & condition		14.50
4. Lost Returns		18.00
5. Service and lubricate rig	0.50	3.25
6. Rig repair		1.00
7. Directional/Deviation survey	0.50	5.75
8. Wireline Logs/open/cased hole		6.00
9. Rig up casers/ run casing		3.50
10. Rig up cementers/ cementing		7.75
11. Wait on cement		7.75
12. Wait on service company		5.00
13. Nipple up BOPs/Nipple down BOPs		18.00
14. Test BOPs		2.50
15. Pick up / Lay down BHA		17.00
16. Pick up / Lay down drill string		5.00
17. Tripping/for bit/mud motor/mwd		49.00
18. Short trip		2.75
19. Drill cement/float equipment		1.00
20. Safety meeting		0.50
21. Other not listed		32.75
22. Move in rig up/Rig down move o		22.00
TOTALS	24.00	576.00
DRILLING	23.00	344.25
EVALUATION	0.00	6.00

DRILLING COST	DAILY	CUM
INTANG.	TANG.	TOTALS
\$30,965.25	\$0.00	\$1,476,313.42
\$30,965.25	\$0.00	\$139,265.00
\$30,965.25	\$0.00	\$1,615,578.42

MUD LOGGER NAME: Don McGennis

MUD LOGGER PHONE: 4324160081

MUD LOGGERS REPORT

BACK GROUND GAS: 40

CONNECTION GAS: 23

TRIP GAS: 0

SHOW GAS: _____

DOWNTIME GAS: 23

LITHOLOGY: 100% dolomite with trace of limestone & shale.

COMMENTS: No shows

MUD PROPERTIES

Type Mud: Drilling mud MUD COMPANY: Eagle Drilling Fluids MUD ENGINEER: Ron Bailey Daily Cost: \$908.25 Cum: \$8,039.71

PHONE NUMBER: 432.664.3690

DAILY MUD ADDITIVES: 10 coustic, 20 paper, 1 supernaveep, 20 defomer, 9 nitrate, 20 newcide, 78 saltgel, 63 starch, 50 fiberplug, 120 pronto plug, 97 cotton seed hauls, 43 mica, 60 cal carb, 70 fresh water gel

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECD
530	9.2	29					10						12000		1.3	1		98.7			9.21

BIT DATA

BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily FL/Hr	Total FL/Hr	WOB	RPM	BIT GRADE
3	12.25	STC	GF37Y	PJ0035	13, 13, 13		564	4935	23.0	279		18	65	70	
2	12.25	STC	FDS	PG6481	13- 18s								25	65	

PUMP D or T ROD ROD is the dia. Of the piston rod on dual action pumps

D 2 D is for duplex pump

D 2 T is for triplex pump

PUMP DATA

PUMP NO.	TYPE	HP	% EFF.	Stroke Length	Size	SPM	GPM	Pump Press	DPAV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SPM	PSI	SPM	PSI
1	DB700	575	60	16.0	5.5	6	22	500	10	43	6.46	2.55	0.40	0.04	3	250	2	2
2	DB700	575	60	16.0	5.5	0	0		20	0.00								

BOTTOM HOLE ASSEMBLY

ITEM	Description	Length	O.D.	I.D.	Top Conn	Bottom Conn	TOP TO BIT	REMARKS	HRS ON BHA
	DRILL PIPE 1	4.50	3.83	3.83	8278.00				
	DRILL PIPE 2	0.00	0.00	0.00					
	DRILL COLLARS 1	8.00							
	DRILL COLLARS 2	7.00							
	Total Length	0.00							

NEW TECH ENGINEERING

DAILY DRILLING REPORT



Rig Phone: _____ County: LCM Rig Fax: _____
 OPERATOR: DCP Midstream Lease & Well No.: 1 Days from Spud: 26 Date: 11/15/2007
 Property ID: _____
 Drilling Supervisor: Kirk Fetterolf Phone: 325-206-2229 Depth: 8735
 Drilling Supervisor: _____ Phone: _____ TVD: 8735.0
 Drig. Contractor tyler well service Rig #: 2 Hole Size: 8.750 in
 Toolpusher: _____ PHONE NUMBER: _____ Footage Last 24 hrs: 457
 G. L. Elev.: _____ RKB to G. L. 18 R
 KB to BHP: _____ Date Last BOP Test: 11/2/07 Days Chg. To Well: _____
 Prop. T.D. 9137 AFE# _____ AFE-DHC: 52,304,025
 LAST CASING: 9 5/8 CSG SHOE TEST: 12 EMW Cum. Monthly rig repair: _____ Hrs.

0600 PRESENT OPERATIONS: Drilling ahead at 8735 @ 10 to 20 fph					DESCRIPTION DAILY ACTIVITY	
FROM	TO	HRS.	CODE			
600	615	0.25	5		rig service	
615	645	0.5	7		Wireline survey @ 8232 1/2 deg.	
645	1245	6.0	1		Drig from 8278' to 8530' dolomite limestone using 8.8 F water @ 20 to 25' PH	
1245	1315	0.5	7		Ran WLS @ 8464' 1 1/2 deg	
1315	1400	0.75	1		Drig from 8530' to 8545' using 8.8 wt. F water 50K on bit 65 rpm	
1400	2200	8.0	1		Drig from 8545' to 8665' using 8.8 wt water, 50 to 60 K on bit 60 rpm maintaining 20 to 2-5' per hr.	
2200	2215	0.25	20		Held safety meeting. Proper lefting checks	
2215	545	7.5	1		Drig ahead from 8041' to 8278' continue to using fresh water & pumps. Lcm sweeps between connections	
545	600	0.25	7		WLS @ 8735' 3/4 deg	
					Begin mixing starch at 8700'	

DISTRIBUTION OF HOURS			
CATEGORIES	DAILY	CUM.	TOTALS
1. Drill rotating	22.25		366.50
2. Wash & ream			8.75
3. Circulate & condition			14.50
4. Lost Returns			18.00
5. Service and lubricate rig	0.25		3.50
6. Rig repair			1.00
7. Directional/Deviation survey	1.25		7.00
8. Wireline Logs/open/cased hole			6.00
9. Rig up casers/ run casing			3.50
10. Rig up cementers/ cementing			7.75
11. Wait on cement			7.75
12. Wait on service company			5.00
13. Nipple up BOPs/Nipple down BOPs			18.00
14. Test BOPs			2.50
15. Pick up /Lay down BHA			17.00
16. Pick up /Lay down drill string			5.00
17. Tripping/for bit/mud motor/mwd			49.00
18. Short trip			2.75
19. Drill cement/float equipment			1.00
20. Safety meeting	0.25		0.75
21. Other not listed			32.75
22. Move in rig up/Rig down move o			22.00
TOTALS	24.00		600.00
DRILLING	22.25		366.50
EVALUATION	0.00		6.00
DRILLING COST	INTANG.	DAILY	CUM
		\$7,604.19	\$1,483,917.61
	TANG.	\$0.00	\$139,265.00
	TOTALS	\$7,604.19	\$1,623,182.61

P. U. Wt.		S. O. Wt.		String Wt.		Rot. Amps/Tq.	
SURVEY INFORMATION							
DEVIATION SURVEYS:			DIRECTIONAL CO.			SUPERVISOR:	
DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS	DIRECTIONAL HOLE TARGETS
8245	0.1		8242.54	188.84	188.84 0.00	0.00	TARGET TVD: _____
8484	1.1		8481.52	191.14	191.14 0.00	0.00	TARGET AZM: _____
8735	1.3		8732.47	196.17	196.17 0.00	0.00	TARGET +N/S: _____
							TARGET +E/W: _____
							</

MUD LOGGER NAME: Don McGinnis
 MUD LOGGER PHONE: 4324160081

MUD LOGGERS REPORT
 BACK GROUND GAS: 35
 CONNECTION GAS: 30
 TRIP GAS: _____
 SHOW GAS: 0
 DOWNTIME GAS: 35
 LITHOLOGY: 90% Dolomite, 10% limestone, trace of shale
 COMMENTS: No shows

MUD PROPERTIES
 Type Mud: Drilling mud MUD COMPANY: Eagle Drilling Fluids MUD ENGINEER: Ron Bailey Daily Cost: \$134.19 Cum: \$8,173.90
 PHONE NUMBER: 432.664.3690

DAILY MUD ADDITIVES:

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECD
8657	2130	9.0	31			2/2	9						2100	92000		2		98.5			9.01

BIT DATA														BIT GRADE			
BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily Ft/Hr	Total Ft/Hr	WOB	RPM	INN	OUTER	BEARINGS
3	12.25	STC	GF37Y	PJ0035	13, 13, 13		457	5392	22.3	301		18	65	70			
2	12.25	STC	FDS	PG6481	13- 16s								25	65			

PUMP D or T ROD ROD is the dia. Of the piston rod on dual action pumps
 D 2 D is for duplex pump
 D 2 T is for triplex pump

PUMP DATA														SLOW PUMP RATES			
PUMP NO.	TYPE	HP	EFF.	% Stroke Length	Liner Size	SPM	GPM	Pump Press	DPV	DCAV	Surface HHP	Bit HHP	% HHP At Bit	HHP/IN ²	SPM	PSI	SPM
1	DB700	575	60	16.0	5.5	8	22	500	10	43	6.46	2.55	0.40	0.04	3	250	2
2	DB700	575	60	16.0	5.5		0			20	0.00						2

BOTTOM HOLE ASSEMBLY										OD	
BHA NO. 2		DRILL PIPE 1		DRILL PIPE 2		DRILL COLLARS 1		DRILL COLLARS 2		Total Length	
ITEM	Description	Length	O.D.	I.D.	Top Conn	Bottom Conn	TOP TO BIT	REMARKS		HRS ON BHA	
										369	

Rig Phone:		County: Lea		Rig Fax :	
OPERATOR: DCP Midstream		Lesse & Well No: 1		Days from Spud 27	
		Property ID:		Date: 11/16/2007	
Drilling Supervisor: Kirk Fetterolf		Phone: 325-206-2229		Depth: 9213	
Drilling Supervisor:		Phone:		TVD: 9213.0	
Dirg. Contractor Tyler well service		Rig #: 2		Hole Size: 8.750 in	
Toolpusher:		PHONE NUMBER:		Footage Last 24 hrs: 478	
G. L. Elev:		RKB to G. L. 18 ft			
KB to BHF:		Date Last BOP Test: 11/2/07		Days Chg. To Well:	
Prop T.D. 9137		AFE#		AFE-DHC: \$ 2,304,025	
LAST CASING: 9 5/8		CSG SHO E TEST: 12 ENFW		Conn. Monthly rig repair: Hrs.	

DISTRIBUTION OF HOURS					
CATEGORIES	DAILY	CUM TOTALS			
1. Drill rotating	10.75	377.2			
2. Wash & ream		8.7			
3. Circulate & condition	8.00	22.5			
4. Lost Returns		18.0			
5. Service and lubricate rig		3.5			
6. Rig repair		1.0			
7. Directional/Deviation survey	55.25	62.0			
8. Wireline Log/open/cased hole		6.0			
9. Rig up casing/run casing		3.5			
10. Rig up cements/ cementing		7.7			
11. Wait on cement		7.7			
12. Wait on service company		5.0			
13. Nipple up BOP/Nipple down BC		18.0			
14. Test BOPs		2.5			
15. Pick up / Lay down BHA		17.0			
16. Pick up / Lay down drill string		5.0			
17. Tripping/for bit/mud motor/towd		49.0			
18. Short trip	3.75	6.5			
19. Drill cement/float equipment		1.0			
20. Safety meeting	1.25	2.0			
21. Other not listed		32.0			
22. Move in rig up/Rig down move o		22.0			
TOTALS	79.00	679.0			
DRILLING	10.75	377.2			
EVALUATION	0.00	6.0			

FROM	TO	HRS	CODE	DESCRIPTION DAILY ACTIVITY
600	615	0.25	7	Ran Wireline survey @ 8735' 1.25 dep.
615	1400	7.75	1	Drk from 8735' to 8950' 50 to 60K on bit 65 rpm good circulation
1400	2200	8.0	3	Drk from 8950' to 9120' using 40 to 50 K on bit 65 rpm maintaining good circulation.
2200	2215	0.25	20	Safety meeting with BOP drill.
2215	115	3.0	1	Drk from 9120' to 9212' TD the hole as to Alberto Gutierrez.
115	315	2.0	18	Circulate hole clean & spot mud pill at 9212'short trip to Drill collars tally out of hole.
315	415	1.0	20	Safety meeting on Tripping out of hole.
415	600	1.75	18	Continue to Strap Out of hole on short trip.

P. U. Wt.	S. O. Wt.	String Wt.	Rot. Amps/Tq:

DEVIATION SURVEYS:								SURVEY INFORMATION			
DIRECTIONAL CO.								SUPERVISOR:			
DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS		DIRECTIONAL HOLE TARGETS			
8735	1.3		8732.47	196.17	196.17 0.00	0.00		TARGET TVD:			
9168	1.0		9163.39	204.63	204.63 0.00	0.00		TARGET AZME			
9213	0.5		9210.38	205.25	205.25 0.00	0.00		TARGET +/- S:			
								TARGET +/- W:			
								TARGET INCL: _____ = UP / - DOWN			

MUD LOGGER NAME: Don McGennis											
MUD LOGGER PHONE: 4324160081											
MUD LOGGERS REPORT											
BACK GROUND GAS											
CONNECTION GAS											
TRIP GAS											
SHOW GAS											
DOWNTIME GAS											
LITHOLOGY:											
COMMENTS:											

MUD PROPERTIES											
Type Mud: Drilling mud	MUD COMPANY: Eagle Drilling Fluids	MUD ENGINEER: Ron Bailey	Daily Cost: \$134.19	Cum: \$8,308.09							
MUD LOGGER PHONE: 432.664.3690											
DAILY MUD ADDITIVES: 1 Caustic, 8 paper, 1 soda ash, 5 newcide, 5 saligel, 43 starch, 9 pronto plug, 13 cotton seed hulls.											

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	FCD
8657	2120	9.0	31		5	2-2	9						92000					98.5			9.01

BIT DATA																		
BITS NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily FU/Hr	Total FU/Hr.	WOB	RPM	INN	OUTER	BEARINGS	GAGE
3	12.25	STC	GF37Y	PJ0035	13,13,13		478	5870	10.8	312		19	65	70				
2	12.25	STC	FDS	PG6481</														



Rig Fax :

Date: 11/07/2007

Hole Size: 8.750 in

Footage Last 24 hrs: 0

AFE-DHC: \$ 2,304,025

Com. Monthly disbursements

DESCRIPTION DAILY ACTIVITY

DISTRIBUTION OF HOURS		
CATEGORIES	DAILY	CUM TOTALS
1. Drill rotating		377.25
2. Wash & ream		8.75
3. Circulate & condition	5.00	27.50
4. Lost Returns		18.00
5. Service and lubricate rig		3.50
6. Rig repair		1.00
7. Directional/Deviation survey		62.25
8. Wireline Logs/open/cased hole	8.50	14.50
9. Rig up casers/ run casing		3.50
10. Rig up cementers/ cementing		7.75
11. Wait on cement		7.75
12. Wait on service company		5.00
13. Nipple up BOPs/Nipple down BC		18.00
14. Test BOPs		2.50
15. Pick up /Lay down BHA		17.00
16. Pick up /Lay down drill string		5.00
17. Tripping/for bit/mud motor/hwd	10.50	59.50
18. Short trip		6.50
19. Drill cement/floot equipment		1.00
20. Safety meeting		2.00
21. Other not listed		32.75
22. Move in rig up/Rig down move o		22.00
TOTALS	34.00	703.00
DRILLING	0.00	377.25
EVALUATION	8.50	14.50
	DAILY	CUM

Rot. Amps/Tra:

SURVEY INFORMATION

DRILLING COST	INTANG.	\$2,350.00	\$1,629,151.80
	TANG.	\$0.00	\$139,265.00
	TOTALS	\$2,350.00	\$1,768,416.80

MUD LOGGER PHONE: 4324160081

MUD LOGGERS REPORT

BACK GROUND GAS: _____
 CONNECTION GAS: _____
 TRIP GAS: _____
 SHOW GAS: _____
 DOWNTIME GAS: _____
 LITHOLOGY: _____

COMMENTS:

MUD PROPERTIES

Cum: \$8 308 09

PHONE NUMBER: 432.664.3690

DAILY MUD ADDITIVES:

BIT DATA

PUMP DATA

BOTTOM HOLE ASSEMBLY

[illegible]

NEW TECH ENGINEERING DAILY DRILLING REPORT



Rig Phone: _____ County: Lea Rig Fax: _____
 OPERATOR: DCP Midstream Lease & Well No.: 1 Days from Spud 30 Date: 11/19/2007
 Property ID: _____
 Drilling Supervisor: Kirk Fetterolf Phone: 325-206-2229 Depth: 9213
 Drilling Supervisor: _____ Phone: _____ TVD: 9213.0
 Drig. Contractor tyler well service Rig #: 2 Hole Size: 8.750 in
 Toolpusher: _____ PHONE NUMBER: _____ Footage Last 24 hrs: 0
 G. L. Elev.: _____ RKB to G. L.: 18 ft
 KB to BHF: _____ Date Last BOP Test: 11/2/07 Days Chg. To Well: _____
 Prop. T.D. 9137 AFE# _____ AFE-DHC: \$2,304,025
 LAST CASING: 9 5/8 CSG SHOE TEST: 12 ENW Cum. Monthly rig repairs: _____ Hrs.

0600 PRESENT OPERATIONS: Cut off 150' drilling line.

DESCRIPTION DAILY ACTIVITY

FROM	TO	HRS.	CODE	DESCRIPTION DAILY ACTIVITY
600	715	1.25	5	Rig service cut 150' drilling line
715	900	1.75	17	TTH with work string
900	915	0.25	2	Wash & ream 60' of hole
915	1400	4.75	3	Circulate & condition hole mix mud
1400	1530	1.5	18	TOOH with 30 stds DP
1530	1645	1.25	3	CONDITION HOLE
1645	1845	2.0	16	LAY DOWN DP
1845	2000	1.25	16	RJ lay down machine
2000	2015	0.25	20	Hold safety meeting on lains down DP.
2015	600	9.75	16	Lay down 4.5 DP & 7" DC's

DISTRIBUTION OF HOURS		
CATEGORIES	DAILY	CUM. TOTALS
1. Drill rotating		377.25
2. Wash & ream	0.25	9.00
3. Circulate & condition	6.00	46.25
4. Lost Returns		18.00
5. Service and lubricate rig	1.25	4.75
6. Rig repair		1.00
7. Directional/Deviation survey		62.25
8. Wireline Logs/open/cased hole		22.50
9. Rig up casers/ run casing		3.50
10. Rig up cementers/ cementing		7.75
11. Wait on cement		7.75
12. Wait on service company		5.00
13. Nipple up BOPs/Nipple down BOP		18.00
14. Test BOPs		2.50
15. Pick up /Lay down BHA		17.00
16. Pick up /Lay down drill string	13.00	18.00
17. Tripping/for bit/mud motor/mwd	1.75	61.25
18. Short trip	1.50	10.75
19. Drill cement/float equipment		1.00
20. Safety meeting	0.25	2.25
21. Other not listed		33.25
22. Move in rig up/Rig down move o		22.00
TOTALS	24.00	751.00
DRILLING	0.00	377.25
EVALUATION	0.00	22.50

P. U. Wt. _____ S. O. Wt. _____ String Wt. _____ Rot. Amps/Triq: _____

SURVEY INFORMATION

DEVIATION SURVEYS:							SUPERVISOR:	
DEPTH	ANGLE	AZM	TVD	V.S.	COORDINATES	DLS	DIRECTIONAL HOLE TARGETS	
							TARGET TVD: _____	
							TARGET AZM: _____	
							TARGET +N-S: _____	
							TARGET +E-W: _____	
							TARGET INCL: _____ + UP / - DOWN	

DRILLING COST	DAILY	CUM
INTANG.	\$3,911.96	\$1,633,063.76
TANG.	\$0.00	\$139,265.00
TOTALS	\$3,911.96	\$1,772,328.76

MUD LOGGER NAME: Don Migenis
 MUD LOGGER PHONE: 4324160081

MUD LOGGERS REPORT

BACK GROUND GAS: _____
 CONNECTION GAS: _____
 TRIP GAS: _____
 SHOW GAS: _____
 DOWNTIME GAS: _____
 LITHOLOGY: _____

COMMENTS: _____

MUD PROPERTIES

Type Mud: Drilling mud MUD COMPANY: Eagle Drilling Fluids MUD ENGINEER: Ron Bailey Daily Cost: \$1,561.96 Cum: \$11,884.13
 PHONE NUMBER: 432.664.3690

DAILY MUD ADDITIVES: _____

DEPTH	TIME	MW	VIS	PV	YP	GELS	PH	API WL	HTHP WL	CAKE	PM LIME	PF ES	CL PPM	TOTAL CL	TOTAL SALT	% SAND	% SOLIDS	% OIL	% WATER	LCM PPB	ECTD
																					0.00

BIT DATA

BIT NO	SIZE	Mfg	Type	Serial No.	Jets - 32nds	Depth Out	Daily Feet	Total Feet	Hrs.	Total Hrs	Daily FL/Hr	Total FL/Hr.	WOB	RPM	BIT GRADE
3	12.25	STC	GF37Y	PJ0035	13, 13, 13		0	5870	0.0	312		19	65	70	
2	12.25	STC	FDS	PJ6481	3- 16s								25	65	

PUMP D or T ROD ROD is the dia. Of the piston rod on dual section pumps
 D is for duplex pump
 T is for triplex pump

PUMP DATA

PUMP NO.	TYPE	HP	% EFF.	Stroke Length	Liner Size	SPM	GPM	Pump Press	DPAV	DCAV	Surface HHP	Bit HHP	% RHP At Bit	HHP/IN ²	SPM	PSI	SPM	PSI
1	DB700	575	60	16.0	5.5	6	22	500	10	43	6.46	2.58	0.40	0.04	3	250	2	2
2	DB700	575	60	16.0	5.5		0			20	0.00							

BOTTOM HOLE ASSEMBLY

OD ID LENGTH										OD									
BHA NO. 2					DRILL PIPE 1					DRILL COLLARS 1					DRILL COLLARS 2				
					4.50 3.83 9213.00					8.00					7.00				
					0.00 0.00 0.00										Total Length 0.00				
															HRS ON BHA 380				

[illegible]

