

Well Name: Leshinsky 1-23

API/UWI 1517521960	Surface Legal Location Sec. 23, 33S- 32W	License No.	Field Name Arkalon	State KS
Start Date and Time 2/9/2005 8:30:00 AM	Rig Release Date 2/14/2005 2:00:00 PM	Ground Elevation (ft) 2,589.00	KB-Ground Distance (ft) 12.00	
Weather Drizzle			Temperature (°F) 31.0	
Operations at Report Time Rig Up				
Status at Reporting Time Rig Up				
Operations Next Report Period				

AFE Number 04-810	Total AFE Amount 156,647.00
Daily Cost Total 1,925.00	Cum Cost To Date 1,925.00
Daily Mud Cost	Mud Cum To Date
Depth Start (ftKB)	Depth End (ftKB)
Target Formation Chase	Target Depth (ftKB) 3,170.0
Depth Progress (ft)	

Time Log

Time	Time	Dur (hrs)	Cum Dur (hrs)	Activity Code	Activity	Comment
10:00	19:00	9:00	9:00	01	Rig Up & Tear Down	MIRU Pioneer Drilling Rig #49, Dozers Pulling Trucks, & Rigging Up
19:00	07:00	12:00	21:00	00	Undefined Status	SDFN

Daily Cost

Carry Fwd?	Code	SubCode	Cost Description	Cost	Vendor
0	8305	117	Contract Labor & Services	1,925.00	W & L DIRT CONSTRUCTION INC

Type	Time	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV Override (cp)	YP OR (lb/100ft²)
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (/32")	pH	Sand (%)	Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel (30m) (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

Safety Checks

Date	Description	Type

Daily Contacts

Contact Name	Mobile

Wellbores

Wellbore Name	KO MD (ftKB)

Original Hole

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Well Name: Leshinsky 1-23

API/UWI 1517521960	Surface Legal Location Sec. 23, 33S- 32W	License No.	Field Name Arkalon	State KS
Spud Date and Time 2/9/2005 8:30:00 AM	Rig Release Date 2/14/2005 2:00:00 PM	Ground Elevation (ft) 2,589.00	KB-Ground Distance (ft) 12.00	
Weather Icy		Temperature (°F) 17.0		
Operations at Report Time Prep'g to spud				
Status at Reporting Time Prep'g to spud				
Operations Next Report Period Dril'g				

AFE Number 04-810	Total AFE Amount 156,647.00
Daily Cost Total 2,120.00	Cum Cost To Date 4,045.00
Daily Mud Cost	Mud Cum To Date
Depth Start (ftKB)	Depth End (ftKB)
Target Formation Chase	Target Depth (ftKB) 3,170.0
Depth Progress (ft)	

Time Log

Time	Time	Dur (hrs)	Cum Dur (hrs)	Activity Code	Activity	Comment
07:00	07:00	24.00	24.00	01	Rig Up & Tear Down	Compl'g moving in Pioneer Rig 49. Assembled and ready to spud this am 02/09/05. Delayed due to severe ice storm.

Daily Contacts

Contact Name	Mobile

Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	

Daily Cost

Carry Fwd?	Code	SubCode	Cost Description	Cost	Vendor
-1	8305	126	Water / Water Well	800.00	DILLCO FLUID SERVICE
-1	8305	117	Contract Labor & Services	1,320.00	WL CONSTRUCTION

Type	Time	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV Override (cp)	YP OR (lb/100ft²)
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (/32")	pH	Sand (%)	Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel (30m) (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

Safety Checks

Date	Description	Type

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Daily Drilling Report

Leshinsky 1-23



Date: 2/10/2005, Report #: 3.0, DFS:

API/UWI 1517521960	Field Name Arkalon	County Seward	State KS
Spud Date and Time	Ground Elevation (ft)	Original KB Elevation (ft)	KB-Ground Distance (ft)
Tgt Depth (ftKB) 3,170.0	Target Frm Chase	Contractor Pioneer Drilling	Rig No. 49
		Rig Type	RR Date

AFE Number 04-810	Total AFE Amount 156,647.00
Daily Cost Total 49,517.80	Cum Cost To Date 53,562.80
Depth End (ftKB) 1,410.0	Depth Progress (ft) 1,365.00

Daily Summary

Operations at Report Time
Prep'g to run 12-1/4" 23#, STC surface pipe.
Operations Next Report Period
Dril'g
Operations Summary

Weather Cold	Road Condition Muddy	Hole Condition
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Time Log

Time	Dur (hrs)	Activity	Comment
08:30	1.50	Rig Repair	Compl'd RU.
02:00	17.50	Drilling	Spud @ 8:30 am 02/09/05. Dril'd 1365' to a TD of 1410'.
02:30	0.50	Rig Repair	
03:30	1.00	Condition and/or Circulate mud	
04:00	0.50	Short Trip Out	
06:00	2.00	Tripping Out	
07:00	1.00	Deviation Survey	3/4 deg @ 800' & 1 deg @ 1410'.

Mud Checks

Type	Time	Depth (ftKB)	T (ft) (*F)	Dens (lb/gal)	Vis (s/qt)	PV OR (cp)	YP OR (lb/100ft ²)	pH
Water Base	07:00	1,410.0		9.30				

Drill Strings

BHA #1, Slick

Bit ... 1	Drill Bit 12 1/4in, <Model?>, <SN?>	IADC Bit Dull -----	TFA (incl Noz) (...) 0.02	BHA R... 78.0	Nozzles (/32") 3/3/3
Len (ft) 1,409.00	OD (in) 6.250	String Components Smith, Drill Pipe, Drill Collar, Bit Sub			
Start (ftKB) 45.0	Depth End (ftKB) 1,410.0	Cum Depth (ft) 1,365.00	Drill Time (hrs) 17.50	Cum Drill Time 17.50	Int ROP (ft/hr) 78.0
Flow Rate (gpm) 310	WOB (1000lbf) 25,000	RPM (rpm) 120	SPP (psi) 1,000.0	Rot HL (1000lbf)	PU HL (1000lbf)
SO HL (1000lbf)	Drilling Torque	Off Btm Tq			

Survey Data

MD (ftKB)	Incl (*)	Azm (*)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (*'/100ft)
800.00	0.75						
1,410.00	1.00						

Daily Contacts

Job Contact	Mobile
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Safety Checks

Date	Type
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<No. ?>, Emsco DB 550, DB550

Pump Number Pump Rating (hp) Rod Diameter (in)

Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)
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Pres (psi)	Slow Spd	Strokes (spm)	Eff (%)
	No		

<No. ?>, National, K-380

Pump Number Pump Rating (hp) Rod Diameter (in)

Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)
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Pres (psi)	Slow Spd	Strokes (spm)	Eff (%)
	No		

Formations

Formation Name	Drill Top MD (ftKB)	Drill Btm MD (ftKB)

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Leshinsky 1-23

Date: 2/11/2005, Report #: 4.0, DFS: 1.94

API/UWI 1517521960	Field Name Arkalon	County Seward	State KS
Spud Date and Time 2/9/2005 8:30:00 AM	Ground Elevation (ft) 2,589.00	Original KB Elevation (ft) 2,601.00	KB-Ground Distance (ft) 12.00
Tgt Depth (ftKB) 3,170.0	Target Frm Chase	Contractor Pioneer Drilling	Rig No 49
		Rig Type	RR Date

AFE Number 04-810	Total AFE Amount 156,647.00
Daily Cost Total 23,627.47	Cum Cost To Date 77,190.27
Depth End (ftKB) 1,585.0	Depth Progress (ft) 175.00

Daily Summary

Operations at Report Time
 Drill'g @ 1585'
 Operations Next Report Period
 Drill'g
 Operations Summary

Weather Cold	Road Condition Muddy	Hole Condition
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Time Log

Time	Dur (hrs)	Activity	Comment
10:30	3.50	Run Casing	RU Casers & RIH w/ 8-5/8" Guide Shoe, shoe jt, insert float, & 32 jts 8-5/8", 24# pipe. Including 5 centralizers & 1 cement bskt. Set @ 1405.58' KB. Cmt'd w/330 sxs MIDCON PP w/3% CC, 1/2# Flocele and .1% FWCA, fol'd w/150 sxs PREM PLUS w/ 2% CC & 1/4# Flocele. Cir'd 15 bbis cmt to pit. Bump'd plug w/ 1000 psi, rels'd and float held.
18:30	8.00	Wait On Cement	
20:30	2.00	Nipple Up /Nipple Down BOP Stack	
22:00	1.50	Tripping In	
01:30	3.50	Rig Repair	Repaired generator.
07:00	5.50	Drilling	Dril'd f/1410' to 1585'. 175' in 5.5 hrs.

Mud Checks

Type	Time	Depth (ftKB)	T (ft) (*F)	Dens (lb/gal)	Vis (s/qt)	PV OR (cp)	YP OR (lb/100ft ²)	pH
Water Base	07:00	1,585.0		8.80	29			

Drill Strings

BHA #2, Slick

Bit ... Drill Bit 2 7/8in, <Model?>, <SN?>	IADC Bit Duit -----	TFA (incl Noz) (... BHA R... 0.30	Nozzles (/32") 31.8	14/14
Len (ft) 1,585.00	OD (in) 7.875	String Components Security, Drill Collar, Drill Pipe		
Start (ftKB) 1,410.0	Depth End (ftKB) 1,585.0	Cum Depth (ft) 175.00	Drill Time (hrs) 5.50	Cum Drill Time 5.50
			Int ROP (ft/hr) 31.8	Flow Rate (gpm) 290
WOB (1000lbf) 40,000	RPM (rpm) 100	SPP (psi) 1,000.0	Rot HL (1000lbf)	PU HL (1000lbf)
			SO HL (1000lbf)	Drilling Torque
				Off Btm Tq

Survey Data

MD (ftKB)	Incl (*)	Azm (*)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (*/100ft)
1,410.00	1.00						

Daily Contacts

Job Contact	Mobile
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Safety Checks

Date	Type
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<No.??>, Emsco DB 550, DB550

Pump Number	Pump Rating (hp)	Rod Diameter (in)
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Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)
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Pres (psi)	Slow Spd	Strokes (spm)	Eff (%)
	No		

<No.??>, National, K-380

Pump Number	Pump Rating (hp)	Rod Diameter (in)
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Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)
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Pres (psi)	Slow Spd	Strokes (spm)	Eff (%)
	No		

Formations

Formation Name	Drill Top MD (ftKB)	Drill Btm MD (ftKB)

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Daily Drilling Report

Leshinsky 1-23

Date: 2/12/2005, Report #: 5.0, DFS: 2.94

API/UWI 1517521960	Field Name Arkalon	County Seward	State KS
Spud Date and Time 2/9/2005 8:30:00 AM	Ground Elevation (ft) 2,589.00	Original KB Elevation (ft) 2,601.00	KB-Ground Distance (ft) 12.00
Tgt Depth (ftKB) 3,170.0	Target Firm Chase	Contractor Pioneer Drilling	Rig No 49
		Rig Type	RR Date

AFE Number 04-810	Total AFE Amount 156,647.00
Daily Cost Total 25,083.34	Cum Cost To Date 102,273.61
Depth End (ftKB) 2,780.0	Depth Progress (ft) 1,195.00

Daily Summary

Operations at Report Time

Drill'g @ 2780'

Operations Next Report Period

Drill'g

Operations Summary

Weather Mild	Road Condition Muddy	Hole Condition
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Time Log

Time	Dur (hrs)	Activity	Comment
04:30	21.50	Drilling	Drill'd f/1585' to 2780'. 1195' in 21.5 hrs.
05:15	0.75	Lubricate Rig	
05:45	0.50	Rig Repair	
06:15	0.50	Deviation Survey	
07:00	0.75	Condition and/or Circulate mud	

Mud Checks

Type	Time	Depth (ftKB)	T (ft) (*F)	Dens (lb/gal)	Vis (s/qt)	PV OR (cp)	YP OR (lb/100ft ²)	pH
Water Base	07:00	2,780.0		8.70	40	60.0	1.000	10.0

Drill Strings

BHA #2, Slick

Bit Drill Bit 2 7/8in. Smith 11R6SP, CK561	IADC Bit Dull -----	TFA (incl Noz) (... BHA R...) 0.30	Nozzles (f32") 14/14
Len (ft) 1,585.00	OD (in) 6.250	String Components Security Smith 11R6SP, Drill Collar, Drill Pipe	
Start (ftKB) 1,585.0	Depth End (ftKB) 2,780.0	Cum Depth (ft) 1,370.00	Drill Time (hrs) 21.50
		Cum Drill Time 27.00	Int ROP (ft/hr) 55.6
Flow Rate (gpm) 270			
WOB (1000lbf) 40,000	RPM (rpm) 100	SPP (psi) 1,000.0	Rot HL (1000lbf) PU HL (1000lbf) SO HL (1000lbf)
			Drilling Torque Off Btm Tq

Daily Contacts

Job Contact	Mobile
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Safety Checks

Date	Type
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<No. ?>, Emsco DB 550, DB550

Pump Number	Pump Rating (hp)	Rod Diameter (in)
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Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)
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Pres (psi)	Slow Spd	Strokes (spm)	Eff (%)
	No		

<No. ?>, National, K-380

Pump Number	Pump Rating (hp)	Rod Diameter (in)
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Liner Size (in)	Stroke (in)	Vol/Stk (bbl/stk)
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Pres (psi)	Slow Spd	Strokes (spm)	Eff (%)
	No		

Formations

Formation Name	Drill Top MD (ftKB)	Drill Btm MD (ftKB)
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Energy Corporation

Daily Drilling Report

Leshinsky 1-23

Date: 2/13/2005, Report #: 6.0, DFS: 3.94

API/UWI 1517521960	Field Name Arkalon	County Seward	State KS
Spud Date and Time 2/9/2005 8:30:00 AM	Ground Elevation (ft) 2,589.00	Original KB Elevation (ft) 2,601.00	KB-Ground Distance (ft) 12.00
Tgt Depth (ftKB) 3,170.0 Chase	Target Frm	Contractor Pioneer Drilling	Rig No. 49
		Rig Type	RR Date

AFE Number 04-810	Total AFE Amount 156,647.00
Daily Cost Total 14,878.00	Cum Cost To Date 117,151.61
Depth End (ftKB) 3,325.0	Depth Progress (ft) 545.00

Daily Summary

Operations at Report Time
Open Hole Logging
Operations Next Report Period
Running Pipe
Operations Summary

Weather Mild	Road Condition Muddy	Hole Condition
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Time Log

Time	Dur (hrs)	Activity	Comment
20:15	13.25	Drilling	Dril'd f/2780' - 3325'. Dril'd 545' in 13.25 hrs.
23:15	3.00	Condition and/or Circulate mud	Cir'd hole conditioning for Open Hole Logs.
00:00	0.75	Lubricate Rig	
03:45	3.75	Tripping Out	TOH f/Open Hole Logs.
07:00	3.25	Wireline Logs	RU Schlumberger Logging. Conducted Opn Hole Logs.

Mud Checks

Type	Time	Depth (ftKB)	T (ft) (°F)	Dens (lb/gal)	Vis (s/qt)	PV OR (cp)	YP OR (lb/100ft²)	pH
Water Base	07:00	3,325.0		8.80	40	9.0	18,000	8.5

Drill Strings

BHA #2, Slick

Bit Drill Bit 2 7/8in. Smith 11R6SP, CK561	IADC Bit Dull -----	TFA (incl Noz) (...) 0.30	BHA R... 46.4	Nozzles (/32") 14/14
Len (ft) 1,585.00	OD (in) 6.250	String Components Security Smith 11R6SP, Drill Collar, Drill Pipe		
Start (ftKB) 2,780.0	Depth End (ftKB) 3,325.0	Cum Depth (ft) 1,915.00	Drill Time (hrs) 13.25	Cum Drill Time... 40.25
			Int ROP (ft/hr) 41.1	Flow Rate (gpm) 329
WOB (1000lbf) 40,000	RPM (rpm) 100	SPP (psi) 1,000.0	Rot HL (1000lbf) PU HL (1000lbf)	SO HL (1000lbf)
			Drilling Torque	Off Btm Tq

Survey Data

MD (ftKB)	Incl (°)	Azm (°)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (°/100ft)
3,325.00	0.75						

Daily Contacts

Job Contact	Mobile
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Safety Checks

Date	Type
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<No. ?>, Emsco DB 550, DB550

Pump Number Pump Rating (hp) Rod Diameter (in)

Liner Size (in) Stroke (in) Vol/Stk (bb/stk)

Pres (psi)	Slow Spd (spm)	Eff (%)
No		

<No. ?>, National, K-380

Pump Number Pump Rating (hp) Rod Diameter (in)

Liner Size (in) Stroke (in) Vol/Stk (bb/stk)

Pres (psi)	Slow Spd (spm)	Eff (%)
No		

Formations

Formation Name	Drill Top MD (ftKB)	Drill Btm MD (ftKB)
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Daily Drilling Report

Leshinsky 1-23

Date: 2/14/2005, Report #: 7.0, DFS: 4.94

API/UWI 1517521960	Field Name Arkalon	County Seward	State KS
Spud Date and Time 2/9/2005 8:30:00 AM	Ground Elevation (ft) 2,589.00	Original KB Elevation (ft) 2,601.00	KB-Ground Distance (ft) 12.00
Tgt Depth (ftKB) 3,170.0	Target Frm Chase	Contractor Pioneer Drilling	Rig No. 149
		Rig Type	RR Date

AFE Number 04-810	Total AFE Amount 156,647.00
Daily Cost Total 33,294.72	Cum Cost To Date 150,446.33
Depth End (ftKB) 3,415.0	Depth Progress (ft) 90.00

Daily Summary

Operations at Report Time
Running 5-1/2" csg
Operations Next Report Period
RDMO
Operations Summary

Weather Mild	Road Condition Muddy	Hole Condition
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Time Log

Time	Dur (hrs)	Activity	Comment
16:00	9:00	Wireline Logs	Compl'd running open hole logs.
16:30	0:50	Lubricate Rig	
18:30	2:00	Tripping In	
21:30	3:00	Drilling	Drill'd additional hole from 3325' to TD of 3415'.
23:30	2:00	Condition and/or Circulate mud	CCH for 2 hrs prep'g to run csg.
04:00	4:50	Undefined Status	POOH ly'g dn DP & DC's.
07:00	3:00	Run Casing	RIH w/ 3415' of 5-1/2", 15.5 #, casing.

Mud Checks

Type	Time	Depth (ftKB)	T (ft) (*F)	Dens (lb/gal)	Vis (s/qt)	PV OR (cp)	YP OR (lbf/100ft ²)	pH
Water Base	07:00	3,415.0		9.00	42	14.0	30.000	9.0

Drill Strings

3HA #2, Slick

Bit ... Drill Bit 2 7/8in, Smith 11R6SP, CK561	IADC Bit Dull -----	TFA (incl Noz) (...) 0.30	BHA R... 46.4	Nozzles (I32") 14/14
Len (ft) 1,585.00	OD (in) 6.250	String Components Security Smith 11R6SP, Drill Collar, Drill Pipe		
Start (ftKB) 3,325.0	Depth End (ftKB) 3,415.0	Cum Depth (ft) 2,005.00	Drill Time (hrs) 3.00	Cum Drill Time ... 43.25
			Int ROP (ft/hr) 30.0	Flow Rate (gpm) 329
WOB (1000lbf) 40,000	RPM (rpm) 80	SPP (psi) 1,000.0	Rot HL (1000lbf)	PU HL (1000lbf)
			SO HL (1000lbf)	Drilling Torque
				Off Btm Tq

Survey Data

MD (ftKB)	Incl (*)	Azm (*)	TVD (ftKB)	NS (ft)	EW (ft)	VS (ft)	DLS (*100ft)
3,325.00	0.75						

Daily Contacts

Job Contact: _____ Mobile: _____

Safety Checks

Date: _____ Type: _____

<No. ?>, Emsco DB 550, DB550

Pump Number: _____ Pump Rating (hp): _____ Rod Diameter (in): _____

Liner Size (in): _____ Stroke (in): _____ Vol/Stk (bbl/stk): _____

Pres (psi)	Slow Spd	Strokes (spm)	Eff (%)
	No		

<No. ?>, National, K-380

Pump Number: _____ Pump Rating (hp): _____ Rod Diameter (in): _____

Liner Size (in): _____ Stroke (in): _____ Vol/Stk (bbl/stk): _____

Pres (psi)	Slow Spd	Strokes (spm)	Eff (%)
	No		

Formations

Formation Name	Drill Top MD (ftKB)	Drill Btm MD (ftKB)

[Handwritten notes and signatures]

Well Name: Leshinsky 1-23

API/UWI 1517521960	Surface Legal Location Sec. 23, 33S- 32W	License No.	Field Name Arkalon	State KS
Report Date and Time 2/9/2005 8:30:00 AM	Rig Release Date 2/14/2005 2:00:00 PM	Ground Elevation (ft) 2,589.00	KB-Ground Distance (ft) 12.00	
Weather Mild			Temperature (°F) 36.0	
Operations at Report Time MO Pioneer Rig 49				
Status at Reporting Time W/O Trks				
Operations Next Report Period Prep'g location for completion.				

AFE Number 04-810	Total AFE Amount 156,647.00
Daily Cost Total 50,937.20	Cum Cost To Date 201,383.53
Daily Mud Cost	Mud Cum To Date
Depth Start (ftKB) 3,415.0	Depth End (ftKB) 3,415.0
Target Formation Chase	Target Depth (ftKB) 3,170.0
Depth Progress (ft) 0.00	

Time Log

Time	Time	Dur (hrs)	Cum Dur (hrs)	Activity Code	Activity	Comment
07:00	09:00	2.00	2.00	07	Condition and/or Circulate mud	Cir hole prep'g for cmt'g casing.
09:00	09:45	0.75	2.75	16	Cementing	Cmt'd w/205 sxs Lead w/.5# Flocele & .1% FWCA, fol'd w/170 sxs tail of Prem Plus w/.5% Halad 322 & .25# Flocele. Reciprocated pipe through out cmt'g job. Pipe got tight 8 foot from TD. Set pipe.
09:45	10:00	0.25	3.00	00	Undefined Status	Set slips w/pipe in full tension.
10:00	12:00	2.00	5.00	01	Rig Up & Tear Down	Cleaned pits and rels'd rig @ 2:00 pm 02/14/05. TD of casing @ 3406.94' KB.

Daily Contacts

Contact Name	Mobile
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Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	

Daily Cost

Carry Fwd?	Code	SubCode	Cost Description	Cost	Vendor
-1	8305	126	Water / Water Well	400.00	DILLCO FLUID SERVICE
-1	8305	117	Contract Labor & Services	400.00	WL DOZER'S
-1	8305	103	Rig Contractor - Daywork/FT	2,550.00	PIONEER DRILG
-1	8305	106	Drill / Compl Fluids & Chemicals	13,719.00	HALLIBURTON
-1	8305	111	Csg Crews & Tools - Drive Hammer	1,820.00	FRANC'S CASING CREW
-1	8309	202	Production Casing	32,048.20	WB SUPPLY

Type	Time	Depth (ftKB)	Density (lb/gal)	Vis (s/qt)	PV Override (cp)	YP OR (lb/100ft²)
Gel (10s) (lb/100ft²)	Gel (10m) (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (/32")	pH	Sand (%)	Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Caicum (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel (30m) (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

Safety Checks

Date	Description	Type



Daily Drilling Fluid Report

API No 151752196000

Report No 002

Baroid, A Product Service Line of Halliburton

Date 02/09/2005		Depth 478 ft	
Spud Date 02/08/2005		Rig Activity DRILLING	
Operator Medicine Bow		Report For Godfrey Holasek/Herb Brand	
Contractor Pioneer Drilling Co		Well Name Leshinsky #1-23	
Country United States		State/Province/Region Kansas	
Geographic Area/County Seward		Field or Block Sec 23-33S-32W	
Rig Name 49		Unit System API pre-defined system	
Report For Tom Waddle			
Bit Information		Drill String (in) / (ft)	
Bit Size 12.250 in		OD ID Length	
Make/Type S.T.C./LRG5P		Drill Collar 6.250 2.250 478	
Jets 3x14		in Casing ft	
TFA 0.451 sq-in		OD Set MD Model	
Jets Velocity 233 ft/sec		Bore in 20.000 @ 45	
Jet Impact Force 369.3 lbf		Strokes in 6.000	
Bit HHSI 0.74 hhp/in2		Eff(%) 86	
Press Drop @ Bit 452 psi		bb/stk 0.130	
Bit Depth 478 ft		SPM 60	
ECD @ Csg Shoe 9.32 ppg		gpm/bbl/min 329 7.83	
ECD @ Bit 9.35 ppg		Total GPM 329 AV, Riser	
		Total Circ Time 46 AV min DP	
		BU Time . min 8 AV max DC 72.6	
		Total Strokes 2,784 BU Strokes 467	
		Circ Press psi 600	
		Tot Pres Loss 735	
		Press Drop DP 220	
		Press Drop Ann 1	
Properties		Fluid Treatments	
Source Flow Line		Fluid Type Spud Mud	
Time 13:16		VISCOSITY 31-34 SEC/QT	
Depth 478		RUN WATER TO CONTROL WT TO 9.5	
FL Temp Deg F 60		C/S HULLS FOR 2-4# LCM	
Density @ Deg F ppg 9.30 @ 60		PREMIX FOR VISCOSITY ALL WATER	
FV @ Deg F sec/qt 33 @ 60		AQUAGEL FOR VIS	
PV @ Deg F cP 6 @ 60		LIME 1 SX	
YP lbs/100 ft2 8		LIME 1-2 SX @ CHEM/BBL PER TOUR	
GELS lbs/100 ft2 4/6/6			
600/300 20.0/14.0			
200/100 10.0/7.0			
6/3 4.0/3.0			
API Filt ml/30 min 44.0			
HTHP @ Deg F ml/30 min			
Cake (API/HTHP) 32nd in 2/-			
Corr Solid % by Vol 7.3			
NAP/Water % by Vol -92.4			
Sand % by vol 2.00			
MBT ppb Eq			
pH @ Deg F 9.00 @ 60		Rig Activity	
ALK Mud Pm 0.90		AT TOP OF GLORETTA SAND(1,150 FT)ADD A	
ALK Filt P/ft 0.10/0.45		PREMIX. RAISE LCM TO 6-8# DRILL	
Chlorides mg/l 600		GLORETTA SAND NO FASTER THAN 1 MIN	
Tot. Hardness mg/l 120		FOOT CIRCULATE 2-3 MINS ON	
LGS/HGS % by Vol 7.3/0.0		CONNECTIONS,ONCE DRILLED PAST	
LGS/HGS ppb 66.44/0.22		GLORETTA,LET LCM FALL BACK TO 2-4# TO	
ASG SG 2.603		S.T.D.	
Additional Properties		DRILL OUT FROM SURFACE WITH	
LCM ppb 4.00		WATER,SWEEP HOLE AS NEEDED WITH	
		PREMIX TO DISPLACEMENT BY 2,400 FT	
		PREMIX'S FOR DISPLACEMENT BY 2,400 FT	
		ALL WATER,SODA ASH 1 SX,CAUSTIC 1	
		SX,CARBONOX 1 SX,	
		AQUAGEL FOR 38-40 VIS:C/S HULLS IN PITS	
		FOR 2-4# LCM	
Product Name		Solids Control Equipment	
Units Start Rec Used End Cost		Time	
Trucking/Drayage each 2 \$742.14		Shaker Screens Hrs Drilling 5.0	
AQUAGEL 100 lb bag 280 54 226 \$324.00		Circulating	
cottonseed hulls 100 lb bag 450 15 435 \$168.45		Trips	
Shrink wrap each 8 \$120.00		Rig	
lime 50 lb bag 20 3 17 \$14.28		Surveys	
CARBONOX 50 lb bag 10 10		Fishing	
Caustic Soda 50 lb bag 10 10		Run Casing	
PAC-R 50 lb bag 5 5		Coring	
Soda ash 50 lb bag 21 21		Reaming	
		Testing	
		Logging	
		Oir Work	
		Repair	
		Other 15.1	
		Total 20.1	
		Rotating 5.0	
		ROP	
		Dil Rate 0.00	
		Fluid Volume Breakdown	
		Spud Mud	
		Active bbl Additions bbl Losses bbl	
		Annulus 61.0 NAP Base Fluid Dumped	
		Pipe Cap 2.4 Drill Water 97.0 Transferred	
		Active Pits 300.0 Dewatering SCE	
		Total Hole 63.3 Sea Water Evaporation	
		Total Circ 363.3 Whole Mud Trips	
		Reserve Barite Other	
		Prev Vol Chemicals 10.2 Total Surface	
		Net Change 347.3 Other 240.0 Downhole	
		Total Vol 363.3 Total 347.3 Total Losses	
		Fluid Types Vol bbl Deviation Information	
		Survey MD ft	
		Survey TVD ft	
		Angle	
		Direction	
		Horiz Displ. ft	
Daily Products Cost \$506.73 Total Daily Cost \$1,368.87			
Cumulative Products Cost \$506.73 Total Cumulative Cost \$1,368.87			
Baroid Representatives 620-482-1552 Cell 620-624-9253 Home John Mathes			
Office 3000 N Sam Houston Pkwy E Telephone 281-871-4935			
Warehouse 380 East Railroad St Liberal Kansas Telephone 620-624-8136			

HALLIBURTON



Daily Drilling Fluid Report

Baroid, A Product Service Line of Halliburton

API No **151752196000** Report No **003**
 Date **02/10/2005** Depth **1,410 ft**
 Spud Date **02/08/2005** Rig Activity **Wait on cement**

Operator Medicine Bow		Report For Godfrey Holasek/Herb Brand		Well Name Leshinsky #1-23	
Contractor Pioneer Drilling Co		Report For Tom Waddle		Rig Name 49	
Country United States		State/Province/Region Kansas		Field or Block Sec 23-33S-32W	
Geographic Area/County Seward		Unit System API pre-defined system			
Bit Information		Drill String (in) / (ft)		In Casing ft	
Bit Size	in	OD	ID	Length	OD Set MD
Make/Type				20.000 @	45
Jets					
TFA	sq-in				
Jets Velocity	ft/sec				
Jet Impact Force	lbf				
Bit HHSI	hhp/in2				
Press Drop @ Bit	psi				
Bit Depth	ft	Open Hole 8.500			
ECD @ Csg Shoe	ppg				
ECD @ Bit	ppg				
				Model BREW-B-550	
				Bore in 6.000	
				Strokes in 14.000	
				Eff(%) 86	
				bbl/stk 0.130	
				SPM 0	
				gpm/bbl/min	
				Total GPM	
				AV Riser	
				Circ Press psi	
				Total Circ Time	
				AV min DP	
				BU Time, min	
				AV max DC	
				Press Drop DP	
				Total Strokes	
				BU Strokes	
				Press Drop Ann	

Properties	1	2	3	4	Targets	Program	Fluid Treatments
Source							Fluid Type water
Time							DRILL OUT FROM SURFACE WITH WATER, SWEEP HOLE AS NEEDED WITH PREMIX TO DISPLACEMENT BY 2,400 FT
Depth							
FL Temp	Deg F						
Density @ Deg F	ppg						
FV @ Deg F	sec/qt						
PV @ Deg F	cP						
YP	lbs/100 ft2						
GELS	lbs/100 ft2						
600/300							
200/100							
6/3							
API Filt	ml/30 min						
HTHP @ Deg F	ml/30 min						
Cake (API/HTHP)	32nd in						
Corr Solid	% by Vol						
NAP/Water	% by Vol						
Sand	% by vol						
MBT	ppb Eq.						
pH @ Deg F							
ALK Mud	Pm						
ALK Filt	Pf/Mf						
Chlorides	mg/l						
Tot. Hardness	mg/l						
LGS/HGS	% by Vol						
LGS/HGS	ppb						
ASG	SG						
							Rig Activity
							waiting on cement

Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment	Time
AQUAGEL	100 lb bag	226		23	203	\$138.00	Shaker	Drilling 15.5
lime	50 lb bag	17		1	16	\$4.76	Screens	Circulating 0.8
CARBONOX	50 lb bag	10			10			Trips 0.5
Caustic Soda	50 lb bag	10			10			Rig
cottonseed hulls	100 lb bag	435			435			Surveys
PAC-R	50 lb bag	5			5			Fishing
Soda ash	50 lb bag	21			21			Run Casing 3.0
							Hydrocyclone	Coring
							Cones	Reaming
							Screens	Testing
							Hrs	Logging
								Dir Work
								Repair
								Other 6.0
							Centrifuge	Total 25.7
							Speed	Rotating 15.5
							Feed Rate	ROP 60.3
							Hrs	Dil Rate 0.00

Fluid Volume Breakdown						water	
Active	bbl	Additions	bbl	Losses	bbl		
Annulus		NAP Base		Fluid Dumped			
Pipe Cap		Drill Water	411.8	Transferred			
Active Pits	300.0	Dewatering		SCE			
Total Hole	16.0	Sea Water		Evaporation			
Total Circ	300.0	Whole Mud		Trips			
Reserve		Barite		Other			
Prev Vol	363.3	Chemicals		Total Surface			
Net Change	411.8	Other		Downhole			
Total Vol	316.0	Total	411.8	Total Losses			

Fluid Types	Vol	bbl	Deviation Information
Daily Products Cost	\$142.76	Total Daily Cost	\$142.76
Cumulative Products Cost	\$649.49	Total Cumulative Cost	\$1,511.63
Baroid Representatives	620-482-1552 Cell	620-624-9253 Home	John Mathes
Office	3000 N Sam Houston Pkwy E		Telephone 281-871-4935
Warehouse	380 East Railroad St Liberal Kansas		Telephone 620-624-8136
			Survey MD ft
			Survey TVD ft
			Angle
			Direction
			Horiz Displ. ft



Daily Drilling Fluid Report
Baroid, A Product Service Line of Halliburton

API No 151752196000 Report No 004
Date 02/11/2005 Depth 1,964 ft
Spud Date 02/08/2005 Rig Activity DRILLING

Operator Medicine Bow		Report For Godfrey Holasek/Herb Brand		Well Name Leshinsky #1-23	
Contractor Pioneer Drilling Co		Report For Tom Waddle		Rig Name 49	
Country United States		State/Province/Region Kansas		Field or Block Sec 23-33S-32W	
Geographic Area/County Seward		Unit System API pre-defined system			
Bit Information		Drill String (in) / (ft)		In Casing ft	
Bit Size 7.875 in		OD ID Length		OD Set MD	
Make/Type SECURITY/XS 215		Drill Pipe 4.500 3.826 1,407		20.000 @ 45	
Jets 3x13		Drill Collar 6.250 2.250 557		8.625 @ 1,410	
TFA 0.389 sq-in					
Jets Velocity 270 f/ft-sec					
Jet Impact Force 414.3 lbf					
Bit HHSI 2.32 hhp/in ²					
Press Drop @ Bit 588 psi					
Bit Depth 1,964 ft		Open Hole 8.000		554	
ECD @ Csg Shoe 9.00 ppg					
ECD @ Bit 9.00 ppg					
Circulation/Hydraulics Data					
Model BREW-B-550					
Bore in 6.000					
Strokes in 14,000					
Eff(%) 86					
bbl/stk 0.130					
SPM 60					
gpm/lbbl/min 329					
Total GPM 329		AV, Riser		Circ Press psi 600	
Total Circ Time 51		AV min DP 177.9		Tot Press Loss 588	
BU Time, min 9		AV max DC 323.2		Press Drop DP	
Total Strokes 3,041		BU Strokes 568		Press Drop Ann	
Properties		Hyd 1		2	
Source Flow Line		3		4	
Time 12.15					
Depth ft 1,964					
FL Temp Deg F 60					
Density @ Deg F ppg 9.00 @ 60					
FV @ Deg F sec/qt 28 @ 60					
PV @ Deg F cP 1 @ 60					
YP lbs/100 ft ² 1					
GELS lbs/100 ft ² 1/2/2					
600/300 3.0/2.0					
200/100					
6/3					
API Filt ml/30 min 88.0					
HTHP @ Deg F ml/30 min					
Cake (API/HTHP) 32nd in 2/-					
Corr Solid % by Vol 3.8					
NAP/Water % by Vol -95.6					
Sand % by vol					
MBT ppb Eq					
pH @ Deg F 10.00 @ 60					
ALK Mud Pm 1.80					
ALK Filt Pfr/M 0.20/0.60					
Chlorides mg/l 16,000					
Tot Hardness mg/l 1,320					
LGS/HGS % by Vol 3.7/0.0					
LGS/HGS ppb 34 08/0 27					
ASG SG 2.608					
Additional Properties					
Fluid Treatments					
Fluid Type water					
VISCOSITY 28-30 SEC/GT					
RUN WATER TO CONTROL WT TO -9.3					
C/S HULLS FOR LOSSES ONLY					
DRILL WITH NATIVE GELS, SWEEP HOLE					
WITH GEL PREMIX AS NEEDED TO					
DISPLACMENT BY 2,400 FT					
PREMIX'S FOR DISPLACEMENT BY 2,400 FT					
ALL WATER					
AQUAGEL 10 SX					
CARBONOX 1 SX					
CAUSTIC 1 SX					
SODA ASH 1 SX					
AQUAGEL FOR 38-42 VIS					
ONCE DISPLACED, C/S HULLS IN PITS FOR 2-4# LCM					
Rig Activity					
PREMIX AFTER DISPLACEMENT AS NEEDED					
ALL WATER					
AQUAGEL 10 SX					
CARBONOX 1 SX					
CAUSTIC 1 SX					
SODA ASH 1 SX					
PAC-R 1/2 SX					
AQUAGEL FOR 38-42 VISCOSITY					
RUN WATER TO CONTROL WT TO 9.0-9.2					
C/S HULLS FOR 2-4# LCM					
Product Name		Units		Start	
				Rec	
				Used	
				End	
				Cost	
AQUAGEL 100 lb bag		203		61 142 \$366.00	
cottonseed hulls 100 lb bag		435		31 404 \$348.13	
Tax : Total each				1 \$59.45	
lime 50 lb bag		16		1 15 \$4.76	
CARBONOX 50 lb bag		10		10	
Caustic Soda 50 lb bag		10		10	
PAC-R 50 lb bag		5		5	
Soda ash 50 lb bag		21		21	
Solids Control Equipment					
Shaker		Screens		Hrs	
Drilling 4.3					
Circulating					
Trips					
Rig					
Surveys					
Fishing					
Run Casing 5.0					
Coring					
Reaming					
Testing					
Logging					
Dir Work					
Repair					
Other 12.0					
Total 21.3					
Rotating 4.3					
ROP 130.0					
Dil Rate 0.00					
Fluid Volume Breakdown					
Active		bbl		Losses	
				bbl	
Annulus 74.1		NAP Base		Fluid Dumped -400.0	
Pipe Cap 22.7		Drill Water 378.0		Transferred	
Active Pits 300.0		Dewatering		SCE	
Total Hole 96.8		Sea Water		Evaporation	
Total Circ 396.8		Whole Mud		Trips	
Reserve		Barite		Other	
Prev Vol 316.0		Chemicals 7.0		Total Surface	
Net Change -15.0		Other		Downhole	
Total Vol 396.8		Total 385.0		Total Losses -400.0	
Fluid Types		Vol bbl		Deviation Information	
Daily Products Cost \$718.89		Total Daily Cost \$778.34		Survey MD ft	
Cumulative Products Cost \$1,368.36		Total Cumulative Cost \$2,289.97		Survey TVD ft	
Baroid Representatives 620-482-1552 Cell		620-624-9253 Home		John Mathes	
Office 3000 N Sam Houston Pkwy E		Telephone 281-871-4935		Angle	
Warehouse 380 East Railroad St Liberal Kansas		Telephone 620-624-8136		Direction	
				Horiz Displ ft	



Daily Drilling Fluid Report

API No 151752196000

Report No 005

Baroid, A Product Service Line of Halliburton

Date	02/12/2005	Depth	2,871 ft
Spud Date	02/08/2005	Rig Activity	DRILLING

Operator Medicine Bow	Report For Godfrey Holasek/Herb Brand	Well Name Leshinsky #1-23
Contractor Pioneer Drilling Co	Report For Tom Waddle	Rig Name 49
Country United States	State/Province/Region Kansas	Field or Block Sec 23-33S-32W
	Geographic Area/County Seward	Unit System API pre-defined system

Bit Information		Drill String (in) / (ft)			In Casing ft			Circulation/Hydraulics Data						
Bit Size	7.875 in	OD	ID	Length	OD	Set	MD	Model	BREW-B-550					
Make/Type	SECURITY/XS 215	Drill Pipe	4.500	3.826	2,314	20.000	@	45	Bore in	6.000				
Jets	3x13	Drill Collar	6.250	2.250	557	8.625	@	1,410	Strokes in	14,000				
TFA	0.389 sq-in								Eff(%)	86				
Jets Velocity	270 ft/sec								bbi/stk	0.130				
Jet Impact Force	405.1 lbf								SPM	60				
Bit HHSI	2.26 hhp/in ²								gpm/bsl/min	329 7.83				
Press Drop @ Bit	575 psi	Open Hole	8.000		1,461				Total GPM	329	AV, Riser	Circ Press psi	1000	
Bit Depth	2,871 ft								Total Circ Time	57	AV min DP	Tot Pres Loss	1096	
ECD @ Csg Shoe	9.11 ppg								BU Time, min	14	AV max DC	Press Drop DP	385	
ECD @ Bit	9.25 ppg								Total Strokes	3,429	BU Strokes	857	Press Drop Ann	68

Properties	Hyd 1	2	3	4	Targets	Program	Fluid Treatments	
Source	Flow Line						Fluid Type	CARBONOX
Time	9.12						VISCOSITY 40-45 SEC/QT	
Depth	2,871						RUN WATER TO CONTROL WT TO 9.0-9.2	
FL Temp	Deg F 60						C/S HULLS FOR 3-4# LCM	
Density @ Deg F	ppg 8.80 @ 60				X	9.00 9.20	DAYLIGHTS, MIX AT FLOWLINE	
FV @ Deg F	sec/qt 40 @ 60					34 40	PAC-R 1 SX	
PV @ Deg F	cP 9 @ 60						SODA ASH 6 SX	
YP	lbs/100 ft ² 18						CAUSTIC 1 SX THRU CHEM/BBL	
GELS	lbs/100 ft ² 14/25/25						OTHER TOURS, MIX ALL WATER PREMIX	
600/300	36.0/27.0						SODA ASH 3 SX	
200/100	18.0/14.0						CAUSTIC 1 SX	
6/3	9.0/8.0						PAC-R 1/2 SX	
API Filt	ml/30 min 18.4				X	10.0 15.0	AQUAGEL FOR VIS, THICK	
HTHP @ Deg F	ml/30 min 2/-						CAUSTIC 1 SX THRU CHEM/BBL PER TOUR	
Cake (API/HTHP)	32nd in 2/-						RAISE VISCOSITY TO 50 SEC/QT FOR LOGS	
Corr Solid	% by Vol 3.1						LCM AT 4-6#	
NAP/Water	% by Vol -96.5							
Sand	% by Vol							
MBT	ppb Eq							
pH @ Deg F	8.50 @ 60							
ALK Mud	Pm 0.80							
ALK Filt	Pf/Mf 0.05/0.50							
Chlorides	mg/l 5,900							
Tot. Hardness	mg/l 680							
LGS/HGS	% by Vol 3.1/0.0							
LGS/HGS	ppb 28 19/0.06							
ASG	SG 2.602							
Additional Properties								
LCM	ppb 5.00				X	2 4		

Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time	
cottonseed hulls	100 lb bag	404		72	332	\$808.56	Shaker	Screens	Hrs	Drilling 21.0	
AQUAGEL	100 lb bag	142		76	66	\$456.00				Circulating	
PAC-R	50 lb bag	5		1	4	\$160.24				Trips	
Caustic Soda	50 lb bag	10		6	4	\$149.52				Rig	
Tax : Total	each			1		\$118.25				Surveys	
CARBONOX	50 lb bag	10		6	4	\$70.02				Fishing	
Soda ash	50 lb bag	21		7	14	\$69.51				Run Casing	
lime	50 lb bag	15			15					Coring	
										Reaming	
							Hydrocyclone	Cones	Screens	Hrs	Testing
											Logging
											Dir Work
											Repair
											Other
							Centrifuge	Speed	Feed Rate	Hrs	Total 21.0
											Rotating 21.0
											ROP 43.3
											Dil Rate 0.00

RECEIVED
FEB 15 2005
2:00 PM

Fluid Volume Breakdown					CARBONOX	
Active	bbf	Additions	bbf	Losses	bbf	
Annulus	111.8	NAP Base		Fluid Dumped		
Pipe Cap	35.6	Drill Water		Transferred		
Active Pits	300.0	Dewatering		SCE		
Total Hole	147.4	Sea Water		Evaporation		
Total Circ	447.4	Whole Mud		Trips		
Reserve		Barite		Other		
Prev Vol	396.8	Chemicals	28.8	Total Surface		
Net Change	447.4	Other	418.6	Downhole		
Total Vol	447.4	Total	447.4	Total Losses		

Daily Products Cost	\$1,713.85	Total Daily Cost	\$1,832.10	Survey MD	2,317 ft
Cumulative Products Cost	\$3,082.23	Total Cumulative Cost	\$4,122.07	Survey TVD	2,317 ft
Baroid Representatives	620-482-1552 Cell	620-624-9253 Home	John Mathes	Angle	0.75
Office	3000 N Sam Houston Pkwy E	Telephone	281-871-4935	Direction	
Warehouse	380 East Railroad St Liberal Kansas	Telephone	620-624-8136	Horiz Displ.	ft



Daily Drilling Fluid Report
Baroid, A Product Service Line of Halliburton

API No 151752196000

Report No 006

Date	02/13/2005	Depth	3,325 ft
Spud Date	02/08/2005	Rig Activity	LOG RUN #2

Operator Medicine Bow	Report For Godfrey Holasek/Herb Brand	Well Name Leshinsky #1-23
Contractor Pioneer Drilling Co	Report For Tom Waddle	Rig Name 49
		Unit System API pre-defined system

Country United States	State/Province/Region Kansas	Geographic Area/County Seward	Field or Block Sec 23-33S-32W
--------------------------	---------------------------------	----------------------------------	----------------------------------

Bit Information		Drill String (in) / (ft)			in Casing ft			Circulation/Hydraulics Data					
Bit Size	7.875 in	OD	ID	Length	OD	Set	MD	Model	BREW-B-550				
Make/Type	SECURITY/XS 215	Drill Pipe	4.500	3.826	2,768	20.000 @	45	Bore in	6.000				
Jets	3x13	Drill Collar	6.250	2.250	557	8.625 @	1,410	Strokes in	14.000				
TFA	0.389 sq-in							Eff(%)	86				
Jets Velocity	270 ft/sec							bbl/strik	0.130				
Jet Impact Force	423.5 lbf							SPM	60				
Bit HHSI	2.37 hhp/in2							gpm/bbl/min	329 7.83				
Press Drop @ Bit	601 psi							Total GPM	329	AV. Riser		Circ Press psi	1000
Bit Depth	3,325 ft	Open Hole	8.000		1,915			Total Circ Time	60	AV min DP	177.9	Tot Pres Loss	1174
ECD @ Csg Shoe	9.77 ppg							BU Time, min	17	AV max DC	323.2	Press Drop DP	377
ECD @ Bit	9.99 ppg							Total Strokes	3,623	BU Strokes	1,002	Press Drop Ann	136

Properties	Hyd 1	2	3	4	Targets	Program	Fluid Treatments
Source	Mud Pits						Fluid Type CARBONOX
Time	7.49						TO RUN CASING
Depth	3,325						REDUCE VISCOSITY WITH WATER AS
FL Temp	60						NEEDED TO RUN CASING
Density @ Deg F	9.20 @ 60						
FV @ Deg F	57 @ 60						
PV @ Deg F	14 @ 60						
YP	30						
GELS	20/43/43						
600/300	58.0/44.0						
200/100	36.0/27.0						
6/3	12.0/10.0						
API Filtr	14.6						
HTHP @ Deg F							
Cake (API/HTHP)	2/-						
Corr Solid	6.2						
NAP/Water	-93.4						
Sand							
MBT							
pH @ Deg F	9.00 @ 60						
ALK Mud	1.00						
ALK Filtr	0.10/0.50						
Chlorides	5,000						
Tot. Hardness	360						
LGS/HGS	6.3/0.0						
LGS/HGS	57.18/-0.68						
ASG	2.586						

Additional Properties	
LCM	5.00

Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time	
AQUAGEL	100 lb bag	66		46	20	\$276.00	Shaker	Screens	Hrs	Drilling 14.6	
PAC-R	50 lb bag	4		1	3	\$160.24				Circulating 2.0	
Trucking/Drayage	each			1		\$128.60				Trips 6.0	
Caustic Soda	50 lb bag	4		3	1	\$74.76				Rig	
cottonseed hulls	100 lb bag	332		6	326	\$67.38				Surveys	
Soda ash	50 lb bag	14		5	9	\$49.65				Fishing	
Tax : Total	each			1		\$43.33				Run Casing	
CARBONOX	50 lb bag	4			4					Coring	
lime	50 lb bag	15			15					Reaming	
							Hydrocyclone	Cones	Screens	Hrs	Testing
											Logging
											Dir Work
											Repair
											Other
							Centrifuge	Speed	Feed Rate	Hrs	Total 22.6
											Rotating 14.6
											ROP 31.1
											Dil Rate 0.00

Fluid Volume Breakdown						CARBONOX	
Active	bbl	Additions	bbl	Losses	bbl		
Annulus	130.7	NAP Base		Fluid Dumped	-120.0		
Pipe Cap	42.0	Drill Water	57.8	Transferred			
Active Pits	300.0	Dewatering		SCE			
Total Hole	172.7	Sea Water		Evaporation			
Total Circ	472.7	Whole Mud		Trips			
Reserve		Barite		Other			
Prev Vol	447.4	Chemicals	7.4	Total Surface			
Net Change	25.2	Other	80.0	Downhole			
Total Vol	472.7	Total	145.2	Total Losses	-120.0		

Fluid Types		Vol	bbl	Deviation Information	
				Survey MD	2,317 ft
				Survey TVD	2,317 ft
				Angle	0.75
				Direction	
				Horiz Displ.	ft

Daily Products Cost \$628.03 Total Daily Cost \$799.96
 Cumulative Products Cost \$3,710.26 Total Cumulative Cost \$4,922.03
 Baroid Representatives 620-482-1552 Cell 620-624-9253 Home John Mathes
 Office 3000 N Sam Houston Pkwy E Telephone 281-871-4935
 Warehouse 380 East Railroad St Liberal Kansas Telephone 620-624-8136



HALLIBURTON

CEMENTING SERVICE AND SALES QUOTE: 21169331 SO: 3548158

COMPANY MEDICINE BOW ENERGY		336493	FACILITY LIBERAL	AFE/WORK ORDER	DATE February 13, 2005
CONTRACTOR PIONEER #49		Owner SAME	336493	LEGAL DESCRIPTION 23 - 33S - 32W	API
LEASE LESHINSKY	2394200	WELL # 1-23	COUNTY SEWARD	STATE Ks	MILEAGE-RT 60/30

DIRECTIONS
LIBERAL, KS -- NORTHEAST ON HWY 54 TO ROAD SIDE PARK JUST PAST CIMARRON RIVER BRIDGE - 3/4 NORTH/NORTHWEST ON BT - WEST THRU CG BETWEEN TWO BIG TREES - 1 3/4 ON MAIN ROAD TO LOC.

Pumping Services	<input type="checkbox"/> Surface		<input type="checkbox"/> Intermediate		<input checked="" type="checkbox"/> Long String		<input type="checkbox"/> Plug Back		<input type="checkbox"/> Liner	
	<input type="checkbox"/> Squeeze		<input type="checkbox"/> Acid		<input type="checkbox"/> PTA		<input type="checkbox"/> Other		() H2S	
	Casing Size 5 1/2	Casing Weight 15.5#	Thread 8 RD	Tbng/DP Size	Thread	Plug. Cont. YES	Swage YES	Top Plug HWE	Bottom Plug	% Excess 150%
	Number and Type Units RCM & BULK							BHST	BHCT	Mole Size 7 7/8
Remarks TOC 1200 FT							Depth-TMD 3170 FT	Depth-TVD	Mud Weight/Type	

Cementing Materials	LEAD	# of Sacks 205	Type MIDCON PP	Additives 1/2# FLOCELE - .1% FWCA		
		Weight PPG 11.4	Yield Ft ³ /Sk 2.88	Water Gal/Sk 17.7		
	EPT-3:30					
	TAIL	# of Sacks 170	Type PREM PLUS	Additives .5% HALAD-322 - 1/4# FLOCELE		
		Weight PPG 14.8	Yield Ft ³ /Sk 1.32	Water Gal/Sk 6.25		
	EPT-1:45					
		# of Sacks	Type	Additives		
		Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk		
		# of Sacks	Type	Additives		
		Weight PPG	Yield Ft ³ /Sk	Water Gal/Sk		
Spacer or Flush	Quantity	Type	Additives			
Spacer or Flush	Quantity	Type	Additives			
Other	Quantity	Type	Additives			

Remarks/HSE
**"ELIMINATE UNPLANNED EVENTS"
WEAR ALL PPE EQUIPMENT ON LOCATION AT ALL TIMES - THINK SAFETY FIRST - THANK YOU FOR YOUR EFFORTS**

Sales Items	Casing Size 5 1/2	Casing Weight 15.5#	Thread 8 RD	
	Guide Shoe REGULAR	Float Shoe	Float Collar SS II	Insert Float Valve
	Centralizers - Number 15 EACH	Size 5 1/2 X 7 7/8	Type S-4	
	Wall Cleaners - Number	Type	MSC (DV Tool)	Latch Down Plug Set
	Limit Clamps 1 EACH	Weld-A 1 EACH	Other	
	Remarks			

Customer Rep. HERB BRAND	Cell Phone 405-830-8740	Office Phone	Fax	Time of Call 1000 2/12/05
Call Taken By LARRY / DON			Date Ready 2/13/05	Time Ready ON LOC 0300
Operator or Driver Called				Time

HALLIBURTON JOB LOG		TICKET # 3548158	TICKET DATE 02/13/05
REGION Central Operations		WVA / COUNTRY Mid Continent/USA	BDA / STATE MC/Ks
NDU ID / EMPL # MCLI0101 106036		H.E.S. EMPLOYEE NAME Bob Smith	COUNTY SEWARD
LOCATION LIBERAL		PSL DEPARTMENT Cement	CUSTOMER REP / PHONE HERB BRAND 405-830-8740
TICKET AMOUNT \$13,719.94		WELL TYPE 01 Oil	APLUNT #
WELL LOCATION seward co ks		DEPARTMENT Cement	JOB PURPOSE CODE Cement Production Casing
LEAD NAME LESHINSKY	Well No. 1-23	REC / TWP / RANG 23 - 33S - 32W	RES FACILITY (CLOSEST TO WELL #) Liberal Ks

HES EMP NAME/EMP # (EXPOSURE HOURS)	HR	HES EMP NAME/EMP # (EXPOSURE HOURS)	HR	HES EMP NAME/EMP # (EXPOSURE HOURS)	HR	HES EMP NAME/EMP # (EXPOSURE HOURS)	HR
Smith, B 106036	12						
Mclane, D 106322	12						
Olds, Royce 308198	"						

TIME	HR	HES EMP NAME/EMP # (EXPOSURE HOURS)	HR	DESCRIPTION
2200				called for job
2300				hold pretrip safety meeting
2330				on location do job site assessment. Rig pooh
2335				bring pump truck on location.
2340				hold safety meeting and spot equipment.
2345				rig up iron to the rig floor
0230				bulk truck on location.
0235				hold safety meeting with bulk truck and spot equipment.
0400				drill pipe out of hole
0415				rig up casing crew
0445				casing started in hole
0700				casing on bottom.
0710				rig up Halliburton plug container to casing
0720				circulating well
0730				rig down casing crew
0830				hold safety meeting with location personal
0855				stop circulating and rig up the iron to the plug container
0900				start job
0901			2500	pressure test the lines 2500
0902				release pressure
0904	0/105		375	start mixing and pumping LC @ 11.4#
0920	0/40		150	start mixing and pumping TC @ 14.8#
0927				shut down and wash up pump and lines
0930				drop plug
0931	0		180	start pumping displacement
0935	30.0		150	displacement caught cement
0941	75.0		900	cement to surface
0941	75.0		900	slow down rate
0945	80.5		1500	bump plug
0945				release pressure plug held
0946				and job
				hold safety meeting and rig down Halliburton.
				THANK YOU FOR CALLING HALLIBURTON
				BOB SMITH AND CREW

HALLIBURTON JOB SUMMARY

REGION Central Operations		MNA / COUNTRY Mid Continent/USA		ES ORDER NUMBER 35 73	TICKET DATE 02/10/05
WELL ID / EMP. # MCLO104 212723		WELL / STATE IL/C/Ks		COUNTY SEWARD	
WELL NAME JERRAL KS		WELL TYPE 01 Oil		DEPARTMENT Cement	
NET AMOUNT \$16,823.71		COMPANY MEDICINE BOW ENERGY		CUSTOMER REP / PHONE 33 ERB BRAND 405-830-8740	
WELL LOCATION LIBERAL, KS		DEPARTMENT CEMENT		P BOMB NUMBER 521	
LEASE NAME LESHINSKY		SEC / TWP / R/MG 23 - 33S - 32W		FACILITY (CLOSEST TO WELL) # LIBERAL	

HES EMP NAME / EMP # / (EXPOSURE HOURS)	HRS	HRS	HRS
Evans, J 212723	8.5		
Buttry, C 317429	8.5		
Archuleta, M 226383	7.0		
Montez, M 326346	7.0		

H.E.E. UNIT #S / (R/T MILES)	R / T MILES	R / T MILES	R / T MILES
10415842	80		
10011407-10011306	80		
10010752-10011278	30		
10243558-10011278	30		

Form. Name _____	Type: _____	Date	Called Out	On Location	Job Started	Job Completed
Form. Thickness _____	From _____ To _____	2/10/2005	2/10/2005	2/10/2005	2/10/2005	2/10/2005
Packer Type _____	Set At _____	Time	0000	0400	0945	1100
Bottom Hole Temp. _____	Pressure _____					
Retainer Depth _____	Total Depth _____					

Type and Size	Qty	Make	New/Used	Weight	Size Grad	From	To	Max. Allow
Float Collar INSERT	1	HOWCO	NEW	24#	8 6/8	0	1,410	
Float Shoe FILLTUBE	1	HOWCO						
Centralizers S-4	8	HOWCO						
Top Plug HWE	1	HOWCO						
HEAD PC	1	HOWCO						
Limit clamp	1	HOWCO						
Weld-A	1	HOWCO			12 1/4		1,410	Shots/Ft.
Guide Shoe REG	1	HOWCO						
BTM PLUG BASKET	1	HOWCO						

Mud Type	Density	Lb/Gal	Date	Hours	Date	Hours
Disp. Fluid			2/10	7.0	2/10	8.0
Prop. Type	Size	Lb				
Prop. Type	Size	Lb				
Acid Type	Gal.	%				
Acid Type	Gal.	%				
Surfactant	Gal.	In				
NE Agent	Gal.	In				
Fluid Loss	Gal/Lb	In				
Gelling Agent	Gal/Lb	In				
Fric. Red.	Gal/Lb	In				
Breaker	Gal/Lb	In				
Blocking Agent	Gal/Lb					
Perfpac Balls	Qty.					

Ordered	Avail.	Used
Treating	Disp.	Overall
Feet 44	Reason	SHOE JOINT

Stage	Sacks	Cement	Bulk/Sks	Additives	W/Rq.	Yield	Lbs/Gal
1	330	MIDCON PP		3% CC - 1/2# FLOCELE - .1% FWCA	17.98	2.94	11.40
2	160	PREM PLUS		2% CC - 1/4# FLOCELE	6.30	1.34	14.80
3							
4							

Circulating Breakdown _____	Displacement _____	Preflush: BBI _____	Type: _____
Lost Returns _____	MAXIMUM _____	Load & Bkdn: Gal - BBI _____	Pad: Bbl - Gal _____
Cmt Rtn#Bbl _____	Lost Returns → _____	Excess /Return BBI _____	Calc. Disp Bbl _____
Average _____	Actual TOC _____	Calc. TOC: _____	Actual Disp. _____
Shut In: Instant _____	Frac. Gradient _____	Treatment Gal - BBI _____	Disp: Bbl _____
	5 Min. _____ 15 Min _____	Cement Slurr / BBI _____	
		Total Volume: BBI _____	

THE INFORMATION STATED HEREIN IS CORRECT

CUSTOMER REPRESENTATIVE _____ SIGNATURE _____

**HADAWAY ENGINEERING, INC PROF. CORP.
 ALLEN C. HADAWAY PRES. P.E.
 P.O. BOX 188, CANADIAN, TEXAS 79014
 OFFICE: 806-323-9811, FAX: 806-323-8723
 EMAIL: hadaway@hadawayengineeringinc.com**

Well Name:	LESHINSKY	DATE OF WORK	3/29/2005
County/State:	SEWARD/KS	Report Number:	
OPERATOR	MEDICINE BOW ENERGY	Lease Number:	26-Jan
Consultant	KEITH MILLSAP	Formation:	FT RILEY
Objective	COMPLETION	Total Depth:	3336'
Perfs:	2710'-2716'	PBTD:	3380

Type of Operation:

NOTES:

Completion

X

FLOW BACK

Recompletion

Service well

Yes No

Multi Well Unit:

--	--

Elevation above GL.

Rig/Contractor:

Reporter:

KEITH MILLSAP

Date	Time	Hrs	Activity	Expense		
				Daily	Cum	
3/29/2005	7:00		SICP=250#,FTP=LTB, N O REC LOOKING FOR SWAB UNIT	MAVERICK		\$27,000
				SCHLUMBERGER		\$2,400
	11:00		RIG D.A. DANIELS WIRELINE UNIT AND START TO SWAB MADE 4 RUNS WELL KICKED OFF, SICP=320#			
	12:00			ROUSTABOUTS		\$700
	13:00			TRACER TECH		\$1,800
	14:00		RECOVERED 12 BBL, SICP=300#, FLOWING RECOVERED 5 BBL, SICP=300#, FTP=LTB, RE4MOVE SWAB RIG UP ROBERTSON WIRELINE AND PROTECHNICS RUN TD CHECK, THEN RIG AND RUN SURVEY/ GAMA RAY TOOLS, WLTD=3325', BOTTOM OF TUBING 2660' WL	FITTINGS AND VALVES		\$3,000
				SUPERVISION	\$800	\$1,600
				MISC		\$1,000
	17:40			DA DANIELS	\$1,500	\$1,500
	18:00			ROBERTSON	\$686	\$686
	19:00		RECOVER 1 BBL, SICP=300#, FTP=LTB RECOVERED 1 BBL, SICP=300#, FTP=0#, FL=800' BRADED LINE FRAYED AT 800' HAD TO EASE BACK OUT OF TUBING SDON DARK	PRO-TECH	\$4,398	\$4,398
				DAILY TOTAL	\$7,384	
			PREVIOUS CUMMULATIVE	\$36,700		
			CUMMULATIVE TOTAL	\$44,084		
3/30/2005	7:00		LEFT WELL OPEN TO TANK ON 32/64 CHOKE NO RECOVERY, SICP=325#, FTP=0# TOTAL DAILY REC=27BBL, MINUS 9 BBL ON LOAD	Downhole Assembly & Equip. Description		
				Description	Joints	Feet

RECORDED
 3/30/05
 10:10 AM

①

GENERAL COMMENTS:

