



Washington

Regulatory and Environmental Services
(an affiliate of Washington TRU Solutions LLC)

WRES:05:166
UFC:5486.00

30-015-34297

December 13, 2005

Mr. Bryan Arrant, Geologist
New Mexico Energy, Minerals, and Natural Resources Department
Oil Conservation Division, District 2
1301 West Grand Avenue
Artesia, New Mexico 88210

RECEIVED
DEC 19 2005
900 ARTESIA

SUBJECT: JOINT POWERS AGREEMENT ON MANAGEMENT OF THE WIPP LAND
WITHDRAWAL AREA, SECTION 1(G)(1)(A); TRANSMITTAL OF NON-
PROPRIETARY BOREHOLE COMPLETION REPORTS

Dear Mr. Arrant:

Enclosed are copies of daily drill reports for recently completed boreholes with surface locations within 330 feet of the WIPP Land Withdrawal Area (WLWA) boundary. They are Apache 24 Federal #11 completed by Devon Energy and Llama All Federal #4 and Llama All Federal #5 both completed by Yates Petroleum. This information is being transmitted to you per the referenced section in the Joint Powers Agreement because the surface locations of these boreholes are within 330 feet of the WLWA boundary.

The following information indicates that the WLWA boundary was not penetrated during drilling operations:

<u>Borehole</u>	<u>Tie In (ft bgs)</u>	<u>Total Inclination (°)</u>	<u>Azimuth (°)</u>	<u>Total Displacement (ft)</u>
Apache Fed #11	3900	88.30	289.0	N/A
Llama All Fed #4	3185	N/A	N/A	165.10
Llama All Fed #5	4196	N/A	N/A	131.23

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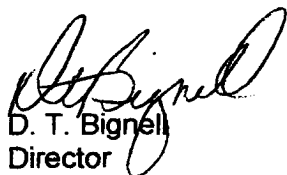
Mr. Bryan Arrant

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WRES:05:166

If you have any questions concerning this matter, please contact Mr. Gene Valett, WIPP Land Use Coordinator, at (505) 234-8261.

Sincerely,



D. T. Bignell
Director

Enclosure

cc: (without enclosure)
V. Daub, CBFO
H. Johnson, CBFO
L. Piper, CBFO

**Llama All Federal #4
Yates Petroleum**

Well Name	Llama ALL Federal # 4			Location	330' FSL & 1650' FWL Sec 7 - T22s - R31e		
Date	10/5/2005	Rig	PAT - UTI # 76	Present Operation	Building location		
Day No.	Formation			Lithology			
Depth ft	Previous Depth			Proposed TD			
Made	ft in	hrs		Drilling rate of	ft. per hr.		
	Mud						
Weight	Chlorides	Calcium		Solids	L.C.M.		
VIS. Fun.	P.V.	Y.P.		Gels	PH		
Water loss	Filter Cake	KCL %		Oil %	Nitrates		
	Mud Gas						
Average	Maximum	Connection		Trip	Flare		
	Mud additions last 24 hours			Product & Quantity			

WOB _____	RPM _____	Cumulative Rotating Hours			
Dull Bit No. _____	Size _____	Type _____	Ser. No. _____	Jets _____	
Depth Out _____	Made _____	ft in _____	hrs. Ft/hr _____	Dull Gr. _____	
Present Bit # _____	Size _____	Type _____	Ser. No. _____	Jets _____	
Depth in _____	Made _____	ft in _____	hrs. _____	Avg. ft./hr. _____	

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Hours	Item	Daily
	Drilling Footage	
	Drilling Daywork	
	Water	
	Drilling Mud	
	Cum. Mud Cost	
	Mud Logging Unit	
	Cement all strings	
	Drill Stem Tests	
	Electric Logs	
	Bits, Supplies	
	Casing & Well Head	
	Other	
	Cum. Daily Costs	
	Total Well Costs	
	Time Category	Hrs.
	Rotating	
	Drig. (non rotating)	
	Csg. & Cmt.	
	Evaluation	
	Unscheduled Events	

Tool Pusher

Tool Pusher

Well Name	Ulama ALL Federal # 4		Location	330' FSL & 1850' FWL Sec 7 - T22s - R31e	
Date	10/7/2005	Rig	PAT - UTI # 76		Present Operation
Day No.	Formation		Building location		
Depth ft	Previous Depth		Lithology		
Made	ft in	hrs	Proposed TD		
			Drilling rate of		ft. per hr.
	Mud				
Weight	Chlorides	Calcium	Solids	L.C.M.	
VIS. Fun.	P.V.	Y.P.	Gels	PH	
Water loss	Filter Cake	KCL %	Oil %	Nitrates	
	Mud Gas				
Average	Maximum	Connection	Trip	Flare	
	Mud additions last 24 hours		Product & Quantity		

WOB	_____	RPM	_____	Cumulative Rotating Hours				
Dull Bit No.	_____	Size	_____	Type	Ser. No.	_____	Jets	_____
Depth Out	_____	Made	_____	ft in	hrs. Ft/hr	_____	Dull Gr.	_____
Present Bit #	_____	Size	_____	Type	Ser. No.	_____	Jets	_____
Depth in	_____	Made	_____	ft in	hrs.	Avg. ft/hr.		_____

Pumps		BOP Information			Hole Drag and Condition Info.			
Mud Pump	No. 1	No. 2	Deepest Casing Set			String Weight	Trip Conditions	
Make			Size	Depth	Min. Burst	Neutral	Tight Spots Out	
Liner						Pick Up	Depth	Over Pull
Stroke			Shoe Test			Slack Off		
SPM			Equiv. Mud Weight			Rotating Torque		
GPM			Date Last BOP Check			Neutral		
Pump psi			Pressure Tested To			Pick Up	Takes Weight trip In	
Slow Pump Rates			BOP Drill & Function			Slack Off		
SPM			Drill String Vol. Bbls.			Last Date BHA		
Pump psi			Annular Vol. Bbls.			Inspected	Ft. of Fill	

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Hours	Item	Daily
	Drilling Footage	
	Drilling Daywork	
	Water	
	Drilling Mud	
	Cum. Mud Cost	
	Mud Logging Unit	
	Cement all strings	
	Drill Stem Tests	
	Electric Logs	
	Bits, Supplies	
	Casing & Well Head	
	Other	
	Cum. Daily Costs	
	Total Well Costs	
	Time Category	Hrs.
	Rotating	
	Drig. (non rotating)	
	Csg. & Cmt.	
	Evaluation	
	Unscheduled Events	

Tool Pusher

Tool Pusher

P/ 84

Well Name	Lima ALL FEDERAL #4		Location	330 FBL1650FWL S-7 T-22a R-31a	
Date	10/10/05	Rig	Pat US 142	Present Operation	WORT
Day No.	2	Formation		Lithology	
Depth ft	40	Previous Depth		Proposed YD	
Made	40	ft in	hrs	Drilling rate of	ft per hr.
Weight		Chlorides	Mud Calcium	Solids	L.C.M.
VIS. Fun.		P.V.	Y.P.	Gels	PH
Water loss		Filter Cake	KCL %	Oil %	Nitrates
			Mud Gas		
Average		Maximum	Connection	Trip	Flare
		Mud additions last 24 hours	Product & Quantity		

WOB _____ Drill Bit No. _____ Depth Out _____ Present Bit # _____ Depth in _____		RPM _____ Size _____ Made _____ Size _____ Made _____		Type _____ ft in _____ Type _____ R in _____		Cumulative Rotating Hours _____ Ser. No. _____ hrs. F/hr _____ Ser. No. _____ hrs. Avg. R/hr _____		Jets _____ Drill Gr. _____ Jets _____	
Pumps No. 1 _____ No. 2 _____		BOP Information Deepest Casing Set Size _____ Depth _____ Min. Bural _____				Hole Drag and Condition Info. String Weight _____ Trip Conditions _____ Tight Spots Out _____ Depth _____ Over Pull _____			
Mud Pump _____ Make _____ Liner _____ Stroke _____ SPM _____ GPM _____ Pump psi _____ Sizer Pump Rates _____ SPM _____ Pump psi _____		Sham Test Equiv. Mud Weight _____ Date Last BOP Check _____ Pressure Tested To _____ BOP Drill & Function _____ Drill String Vol. Bbls. _____ Annular Vol. Bbls. _____				Neutral Pick Up _____ Slack Off _____ Rotating Torque _____ Neutral Pick Up _____ Slack Off _____ Last Date BHA Inspected _____ PL of FH _____			

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Hours	Report of Operations	Drilling Costs	Daily
	SPUD 26" HOLE WITH BUTCHS RATHOLE @ 7:00 AM MST	Drilling Footage	
	10-8-05 SET 40' OF 20" CSG AND CMT	Drilling Daywork	
		Water	
		Drilling Mud	
		Cum. Mud Cost	
		Mud Logging Unit	
		Cement all strings	
		Drill Stem Tests	
		Electric Logs	
	NOTIFIED BLM OF CARLSBAD OF SPUD TIME AND SETTING	Blts. Supplies	
	40' OF 20" CONDUCTOR @ 7:15 AM MST 10-8-05	Casing & Well Head	
		Other	
		Cum. Daily Costs	
		Total Well Costs	
		Time Category	Hrs.
		Rotating	
		Drig. (non rotating)	
		Csg. & Cmt.	
		Evaluation	
		Unscheduled Events	

Total Purchase

Well Name	Llano ALL Federal # 4		Location	330' FSL & 1,050' FWL - S7 T22S R31E	
Date	10/11/08	Rig	PAT/UT 142	Present Operation	WORT
Day No.	3	Formation		Lithology	
Depth ft		Previous Depth		Proposed TD	
Made		ft in	lbs	Drilling rate of	ft. per hr.
Weight	Chlorides	Mud	Calcium	Solids	L.C.M.
VIS. Fun.	P.V.		Y.P.	Gels	PH
Water loss	Filter Cake		KCL %	OH %	Nitrates
			Mud Gas		
Average	Maximum	Connection		Trip	Flare
	Mud additions last 24 hours	Product & Quantity			

WOB _____	RPM _____	Cumulative Rotating Hours			
Dull Bit No. _____	Size _____	Type _____	Ser. No. _____	Jets _____	
Depth Out _____	Made _____	Rt in _____	Hrs. Fltr _____	Dull Gr. _____	
Present Bit # _____	Size _____	Type _____	Ser. No. _____	Jets _____	
Depth in _____	Made _____	Rt in _____	Hrs. _____	Avg. R./Hr. _____	_____

Pumps		Deepest Casing Set		String Weight	Trip Conditions	
No. 1	No. 2	Size	Depth	Min. Burst	Neutral	Tight Spots Out
Mud Pump Make					Pick Up	Depth
Liner					Stack Off	Over Pull
Stroke			Shoe Test		Rotating Torque	
SPM			Equip. Mud Weight		Neutral	
GPM			Date Last BOP Check		Pick Up	Takes Weight trip in
Pump psi			Pressure Tested To		Stack Off	
Slow Pump Rate			BOP Drill & Function		Last Date BHA	Fl. of FB
SPM			Drill String Vol. Bbls.		Inspected	
Pump psi			Annular Vol. Bbls.			

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Hours	Report of Operations	Drilling Costs	Daily
	RUN FAS LINE TO LOCATION	Drilling Footage	
		Drilling Daywork	
		Water	
		Drilling Mud	
		Cum. Mud Cost	
		Mud Logging Unit	
		Cement all strings	
		Drill Stem Tests	
		Electric Logs	
		Rigs, Supplies	
		Casing & Well Head	
		Other	
		Cum. Daily Costs	
		Total Well Costs	
		Time Category	Hrs.
		Rotating	
		Drig. (non rotating)	
		Cog. & Cmt.	
		Evaluation	
		Unscheduled Events	

Tool Pusher

Well Name	Llama ALL Federal #4		Location	330' FSL & 1,850' FWL - S7 T2S R31E	
Date	10/12/05	Rig	PAT/UTI 142	Present Operation	MINT
Day No.	4	Formation		Lithology	
Depth ft		Previous Depth		Proposed TD	
Made		ft in	hrs	Drilling rate of	ft. per hr.
Weight		Chlorides	Calcium	Solids	L.C.M.
VIS. Fun.		P.V.	Y.P.	Gels	PH
Water loss		Filter Cake	KCL %	Oil %	Nitrates
			Mud Gas		
Average		Maximum	Connection	Trip	Flare
		Mud additions last 24 hours		Product & Quantity	

WOB		RPM		Cumulative Rotating Hours				Jets	
Dust Bit No.	Size	Type	R in	Ser. No.	hrs. Fthr	Dust Gr.	Jets		
Depth Out	Made	Type <td>R in <td>Ser. No. <td>hrs. Fthr <td></td> <td></td> <td></td> <td></td> </td></td></td>	R in <td>Ser. No. <td>hrs. Fthr <td></td> <td></td> <td></td> <td></td> </td></td>	Ser. No. <td>hrs. Fthr <td></td> <td></td> <td></td> <td></td> </td>	hrs. Fthr <td></td> <td></td> <td></td> <td></td>				
Present Bit #	Size	Type <td>R in <td>Ser. No. <td>hrs. Fthr <td></td> <td></td> <td></td> <td></td> </td></td></td>	R in <td>Ser. No. <td>hrs. Fthr <td></td> <td></td> <td></td> <td></td> </td></td>	Ser. No. <td>hrs. Fthr <td></td> <td></td> <td></td> <td></td> </td>	hrs. Fthr <td></td> <td></td> <td></td> <td></td>				
Depth In	Made	Type <td>R in <td>Ser. No. <td>hrs. Fthr <td></td> <td></td> <td></td> <td></td> </td></td></td>	R in <td>Ser. No. <td>hrs. Fthr <td></td> <td></td> <td></td> <td></td> </td></td>	Ser. No. <td>hrs. Fthr <td></td> <td></td> <td></td> <td></td> </td>	hrs. Fthr <td></td> <td></td> <td></td> <td></td>				

Hole Drag and Condition Info.

Mud Pump		BOP Information			Hole Drag and Condition Info.			
	No. 1	No. 2	Deepest Casing Set			String Weight	Trip Conditions	
			Size	Depth	Min. Burst	Neutral	Tight Spots Out	
Make			Shoe Test			Pick Up	Depth	Over Pull
Liner						Stack Off		
Stroke			Equiv. Mud Weight			Rotating Torque		
SPM			Date Last BOP Check			Neutral		
GPM			Pressure Tested To			Pick Up	Takes Weight trip In	
Pump psi			BOP Drill & Function			Stack Off		
Slow Pump Rates			Drill String Vol. Bbls.			Last Date BHA		
SPM			Annular Vol. Bbls.			Inspected	FL of P/B	
Pump psi								

Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	Cumulative ft. from top of collar
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[illegible]

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from bit
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Drilling Costs

Hours	Report of Operations	Item	Daily
	MOVING IN ROTARY TOOLS 10-12-05	Drilling Footage	
		Drilling Daywork	
		Water	
		Drilling Mud	
		Cum. Mud Cost	
		Mud Logging Unit	
		Cement all strings	
		Drill Stem Tests	
		Electric Logs	
		Bits, Supplies	
		Casing & Well Head	
		Other	
		Cum. Daily Costs	
		Total Well Costs	
		Time Category	Hrs.
		Rotating	
		Drig. (non rotating)	
		Csg. & Cmt.	
		Evaluation	
		Unscheduled Events	

Tool Pusher

Tool Pusher JACKIE JAMESON



tes Daily Drilling Report

Rep Date: 10/15/2005

Report #: 7.0

LLAMA ALL FEDERAL #4

Day # 1

Bit Record		AP/URN		County		State		Surface Legal Location	
Bit Run	Drill Bit	Drill Out	Drill In	Drill Out	Drill In	Drill Out	Drill In	Drill Out	Drill In
1	8 1/2 - 17 1/2	7741A2, 6032637	16/16/16	16/16/16	16/16/16	16/16/16	16/16/16	16/16/16	16/16/16
Depth In (ft)	Depth Out (ft)	Depth Drift (ft)	Hours Drilled	Avg ROP	Depth In (ft)	Depth Out (ft)	Depth Drift (ft)	Hours Drilled	Avg ROP
59.0	516.0	811.00	15.00	54.1	59.0	516.0	811.00	15.00	54.1
Drill Bit	Drill Bit	Drill Bit	Drill Bit	Drill Bit	Drill Bit	Drill Bit	Drill Bit	Drill Bit	Drill Bit
1	8 1/2 - 17 1/2	7741A2, 6032637	16/16/16	16/16/16	16/16/16	16/16/16	16/16/16	16/16/16	16/16/16
Depth In (ft)	Depth Out (ft)	Depth Drift (ft)	Hours Drilled	Avg ROP	Depth In (ft)	Depth Out (ft)	Depth Drift (ft)	Hours Drilled	Avg ROP
59.0	516.0	811.00	15.00	54.1	59.0	516.0	811.00	15.00	54.1
Hole Direction: VERTICAL - Original Hole: 10/15/2005 9:59					Schematic - Actual				
North/South Distance (ft)					East/West Distance (ft)				
330.0					1,650.0				
FSL					FWL				
330.0					3,348.00				
Original KB Elevation (ft)					3,367.00				
Target Depth (ft)					BONE SPRINGS				
7,850.0					15.00				
Drill Hrs (hrs)					053940				
Day No.					Report End Date				
1					10/15/2005				
Formation at Report Time					RUSTLER ANHYDRITE				
Lithology					Present Operations				
Wait On Cement									
Daily Cost Total					Cum Cost To Date				
33,282.00					164,946.00				
Depth End (ft)					Depth Start (ft)				
516.0					162.0				
Depth Progress (ft)					Drilling Hours (hrs)				
708.00					11.00				
Average ROP (ft/hr)					64.4				
Avg Background Gas (Amm)					Max Background Gas (Amm)				
Avg Connection Gas (Amm)					Max Connection Gas (Amm)				
Avg Trip Gas (Amm)					Max Trip Gas (Amm)				
Flare									
Mud Checks									
Weight (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM	
9.60									
Furnace Viscosity (cP)		FV (cP)		VP (lb/100lb)		Gel 10 sec (lb/100lb)		Gel 10 min (lb/100lb)	
33									
Water Loss (mL/30min)		Filter Cake (in)		KCI (%)		Percent Oil (%)			
Time Log									
Start Time	End Time	Time Code	Depth Start (ft)	Depth End (ft)	Comments				
08:00	08:30	3.50	162.0	278.0	Survey 1 deg 234				
09:30	09:45	3.75			TD 17 1/2 hole at 5:15 pm mst 10-13-05				
09:45	17:15	11.25			Survey 1 1/2 deg at 472				
17:15	17:45	11.75			Field 15 minute safety meeting with casing crew				
17:45	18:00	12.00			Notified Don Clehm NM BLM on intentions of running 13 3/8 casing and cement				
18:00	20:30	14.50	19.0	517.0	Cement with 470 sx cmt circ 100 sx cmt to pits plug down at 1:15 AM MST 10-15-05				
20:30	00:00	18.00							
00:00	00:30	18.50							
00:30	01:15	19.25							
01:15	08:00	24.00							
Daily Costs									
Cost Description		Cost Details		Cost					
Drilling, Daywork				16,500.00					
Drilling Water, Fastline Rental		Fast Line		100.00					
Supervision & Overhead - Drilling		Trailer Rental		800.00					
Supervision & Overhead - Drilling		Down Hole Equip., B.O.P. Rental		150.00					
Tools&Equip. Rnd.Trkg.&Welding-Drilling				268.00					
Tools&Equip. Rnd.Trkg.&Welding-Drilling		Lay Down		13,057.00					
Cementing - Surface & Intermediate Casing		Casing Inspection		2,407.00					
Cementing - Surface & Intermediate Casing									
Daily Contacts									
Job Contact		Company		Phone Mobile					
ROBERT SMITH, DRILLING FOREMAN		YATES		505-365-4029					
Job Contact		Company		Phone Mobile					
JACKIE JAMESON, TOOLPUSHER		PATTERSON		505-420-0083					
Rigs									
Rig Contractor		Rig Number		Rig Type					
PATTERSON UTI DRILLING CO. LP		142		Drilling - Triple					
Mud Pumps - 1									
No.	Start Date	Make	Model	HP (hp)	Rot Dia (in)				
1	9/15/2005	Continental-Emasco	DB-700	700.0	2 3/4				
Pump Checks									
Pump Number	Slow Speed Check?	Strokes (spm)	Pressure (psi)						
1	NO	60	500.0						
Mud Pumps - 2									
No.	Start Date	Make	Model	HP (hp)	Rot Dia (in)				
2	9/15/2005	Continental-Emasco	DB-700	700.0	2 3/4				
Safety Checks									
Date	Description	Type	Comment						
10/14/2005	Running casing	Safety Meeting	safety meeting before running casing						
10/15/2005	On cementing	Safety Meeting							
Mud Additive Amounts									
Description	Type	Consumed	Units						
Lime	Alkalinity control	3.0	sacks						



Daily Drilling Report

Report Date: 10/15/2005

Report #: 7.0

LLAMA ALL FEDERAL #4

Day # 1

Mud Additive Amounts			
Description	Type	Consumed	Units
Soda Ash		3.0	sacks
Fresh Gel		10.0	sacks
Paper	LCM	10.0	sacks

Drill Strings: BHA #2, Packed Hole

On Run	Drill Bit	Depth In (ft)	Depth Out (ft)	Drilled (ft)	Unit Time (hrs)	BHA ROP (ft/hr)
1	12 1/2 T14142 8022037	162.0	516.0	354.00	11.00	32.2
String Length (ft)	String Wt (1000lb)	100 (ft)	WOC Bit Drill	TFA (ft)	Nozzles (32")	16/16/16
474.56	54	7.750	TD			

Drilling Parameters 162.0 ft - 516.0 ft

WOB (1000lb)	RPM (rpm)	Motor R...	Bit RPM	SPP (psi)	Q (flow) (gpm)	Rot. String Wt. (lb)	PU HL (1000lb)	SD HL (1000lb)
40,000	70		70	500.0	378	40,000	40,000	40,000

Item Description	OD (in)	ID (in)	Grade	Mass/Len (lb/ft)	Top Thread	Len (ft)	As
Drill Collar	6 1/4	2.250		90.72		176.13	6
XO Sub	6 1/4	2.750				3.02	1
Drill Collar	7 3/4	2.750		140.44		236.40	8
IBS	7 3/4	2.750				6.13	1
Drill Collar	7 3/4	2.750		140.44		31.50	1
Shock Sub	7 3/4	2.750				10.25	1
REAMER	7 3/4	2.750				7.03	1

Casing Strings

Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Conductor	10/8/2005 08:00		59.0	20	19.124
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Surface	10/14/2005 21:00		516.0	13 3/8	12.715

MWD - Original Hole

Wellbore Name	Parent Wellbore	Bottom Hole Legal Location	Hole Direction	Job
Original Hole		7-22S-31E	VERTICAL	New Drilling, New Well, Drilling & Completions on 9/15/2005 08:00

Survey Data

Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)
	MWD			

Conductor,
20, 19, 40.0Surface, 13
3/8, 4, 524.4
TD, 516,
10/14/2005Surface,
19-516

Tool Pusher LARRY SMITH

YATES PETROLEUM CORPORATION
DAILY DRILLING REPORT

Well Name	Llano ALL Federal # 4			Location	230' FSL & 1,850' FWL - S7 T22S R31E		
Date	10/17/05	Rig	PAT/UTI 142	Present Operation	DRILLING		
Day No.	4	Formation		Uthology	SALT		
Depth ft	1,130	Previous Depth	516	Proposed TD	7850		
Made	614	ft in	17 1/4 hrs	Drilling rate of	35.98 ft per hr.		
Weight	9.9	Chlorides	Mud	Solids	L.C.M.		
VIS. Fun.	28	P.V.	Calcium	Gels	PH 11		
Water loss		Filter Cake	Y.P.	Oil %	Nitrates		
			KCL %				
			Mud Gas				
Average		Maximum	Connection	Trip	Flare		
		Mud additions last 24 hours		Product & Quantity			
CAUSTIC 11 SXS SALT GEL 80 SXS LIME 8 SXS							

Bit Record

WQB	30	35	RPM	50	Cumulative Rotating Hours				32.25
Dull Bit No.			Size		Type	Ser. No.		Jets	
Dypth Out			Made		A In	hrs. F/hrs		Dull Gr.	
Present Bit #	2		Size	11	Type	Ser. No.	5051503	Jets	2x10 1x10
Depth In	518		Made	814	R in	17.25	hrs. Avg. R/hrs.	35.50	

Pumps		BOP Information			Hole Drag and Condition Info.		
Mud Pump	No. 1	No. 2	Deepseat Casing Set			String Weight	Trip Conditions
Makes	DB700	DC700	Size	Depth	Min. Burst	Neutral	Tight Spom Out
Liner	6	6	13.375	516	1,730	Pick Up	Depth
Stroke	16	16	Shoe feet			Slack Off	Over Pull
SPM	60		Equiv. Mud Weight			Rotating Torque	
GPM	378		Date Last BOP Check			Neutral	
Pump psi	1000		Pressure Tested To			Pick Up	Takes Weight trip in
Stow Pump Rates			BOP Drill & Function			Slack Off	
SPM			Drill String Vol. Bbls.			Last Date BHA	
Pump psi			Annular Vol. Bbls.			Inspected	Ft. of Fill

Drill String and Bottom Hole Assembly Configuration

	Drill Pipe						Cumulative ft. from
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T.J. O.D.	top of collar
4 1/2	10.6	E	3				395
							395
							395

Bottom Hole Assembly

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from bit
BIT	1	11					1.5	
BIT SUB	1	8	2 3/4				3.5	3.5
DC	2	8	2 3/4				62.17	65.67
REAMER	1	8	2 3/4				7.57	73.24
DC	1	8	2 3/4				30.78	104.02
REAMER	8	8	2 3/4				7.8	111.62
DC	6	8	2 3/4				174.15	285.77
XO	1	8 1/4	2 1/2				3.62	289.39
DC	15	8	2 1/2				447.19	736.58
						Total	738.08	

Report of Operations

Hours	Remarks
3	DRILLING CEMENT
1/2	TEST PIPE RAMS 1000# OK
1/4	DRILLING CEMENT AND SHOES
1/4	DRILLING F/ 516' - 521'
1/2	TEST FORMATION 800# OK
10 1/2	DRILLING F/ 521' - 751'
1/4	WLS @ 707 1"
1 3/4	TRIP OUT OF HOLE TO RETRIEVE TOTCO BARREL
1/4	WASH TO BOTTOM NO FILL
5 3/4	DRILLING F/ 751' - 1089'
1/4	WLS @ 1024' MISS RUN
3/4	DRILLING F/ 1089' - 1130'
	RESUMED DRILLING @ 10:30 AM 10/16/05

Drilling Costs

Item	Daily
Drilling Footage	
Drilling Daywork	\$18,500
Water	\$970
Drilling Mud	
Cum. Mud Cost	
Mud Logging Unit	
Cement oil strings	
Orb Stem Tests	
Electric Logs	
Blts. Supplies	
Casing & Well Head	
Other	\$1,450
Cum. Daily Costs	\$18,920
Total Well Costs	\$266,075
Time Category	Hrs.
Rotating	
Drig. (non rotating)	
Ceg. & Cml	
Evaluation	
Unscheduled Events	

Drilling Supervisor **MICKEY BYRD**

Tool Pusher LARRY SMITH

YATES PETROLEUM CORPORATION DAILY DRILLING REPORT

Well Name	Llano ALL Federal # 4		Location	330' FGL & 1,050' FWL - S7 T22S R31E	
Date	10/18/05	Rig	PAT/UTI 142	Present Operation	DRILLING
Day No.	5	Formation		Lithology	SALT ANHY
Depth ft	2,150	Previous Depth	1,130	Proposed TD	7850
Made	1,020	ft in	22 1/4 hrs	Drilling rate of	45.64 ft. per hr.
Weight	10	Chlorides	Calcium	Solids	L.C.M.
VIS. Fun.	28	P.V.	Y.P.	Gels	PH
Water loss		Filter Cake	KCL %	Oil %	Nitrates
Average		Maximum	Connection	Trip	Flare
		Mud additions last 24 hours	Product & Quantity		

Bit Record

WOB	40	RPM	60	Cumulative Rotating Hours	54.5
Dull Bit No.		Size		Ser. No.	Jets
Depth Out		Made		hrs. FWHr	Dull Gr.
Present Bit #	2	Size	11	Ser. No.	5051503
Depth In	518	Made	1,834	hrs.	Avg. R/hr.
					41.37

Pumps

Mud Pump	No. 1	No. 2	Deepest Casing Set		String Weight	Trip Conditions
Make	D8700	DC700	Size	Depth	Min. Burst	Tight Spots Out
Liner	6	6	13.375	518	1,730	Depth
Stroke	16	16	Shoe test		Neutral	Over Pull
SPM	60		Equiv. Mud Weight		Pick Up	
GPM	378		Date Last BOP Check		Slack Off	
Pump psi	1100		Pressure Tested To		Rotating Torque	
Slow Pump Rates			BOP Drill & Function		Neutral	
SPM			Drill String Vol. Bbls.		Pick Up	Takes Weight trip in
Pump psi			Annular Vol. Bbls.		Slack Off	
					Last Date BHA	
					Inspected	Fl. of Fill

Drill String and Bottom Hole Assembly Configuration

Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	Cumulative ft. from top of collars
4 1/2	16.6	E	3				1,388.62	1,388
								1,389
								1,389

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	Cumulative feet from bit
BIT	1	11					1.5	
BIT SUB	1	8	2 3/4				3.5	3.5
DC	2	8	2 3/4				62.17	65.67
REAMER	1	8	2 3/4				7.57	73.24
DC	1	8	2 3/4				30.78	104.02
REAMER	8	8	2 3/4				7.6	111.62
DC	6	8	2 3/4				174.15	285.77
XO	1	6 1/4	2 1/2				3.62	289.39
DC	15	8	2 1/2				447.19	736.58
							Total	738.08

Report of Operations

Hours	Drilling Costs
3 3/4	DRILLING F/ 1130' - 1325'
1/4	WLS @ 1278 1/2"
3 1/2	DRILLING F/ 1325' - 1516'
1/2	INSTALL ROTATING HEAD BEARING
3/4	DRILLING F/ 1516' - 1580'
1/4	WLS @ 1535 1 1/2"
5	DRILLING F/ 1580' - 1772'
1/2	WLS @ 1727 1"
6 1/4	DRILLING F/ 1772' - 2028'
1/4	WLS @ 1884' 1 3/4"
3	DRILLING F/ 2028' - 2150'
24	

Item	Daily
Drilling Footage	
Drilling Daywork	\$18,600
Water	\$100
Drilling Mud	\$732
Cum. Mud Cost	\$732
Mud Logging Unit	
Cement oil strings	
Drill Stem Tests	
Electric Logs	
Bits, Supplies	
Casing & Well Head	
Other	\$1,450
Cum. Daily Costs	\$18,782
Total Well Costs	\$204,867
Time Category	Mrs.
Rotating	
Drig. (non rotating)	
Csg. & Cmt.	
Evaluation	
Unscheduled Events	

Drilling Supervisor MICKEY BYRD Tool Pusher JACKIE JAMESON

YATES PETROLEUM CORPORATION
DAILY DRILLING REPORT

Well Name Uams ALL Federal # 4 Location 330' FSL & 1,850' FWL - S7 T2ZS R31E
Date 10/19/05 Rig PAT/UT1 142 Present Operation DRILLING
Day No. 6 Formation ANHY
Depth ft 2,810 Previous Depth 2,150 Proposed TD 7850
Mud 660 ft in 22 3/4 hrs Drilling rate of 29.01 ft per hr.
Mud
Weight 10.1 Chlorides Calcium Solids L.C.M.
VIS. Fun. 26 P.V. Y.P. Gels PH 10.5
Water loss Filter Cake KCL % Oil % Nitrates
Mud Gas
Average Maximum Connection Trip Flare
Mud additions last 24 hours Product & Quantity
GEL 58 SXS CAUSTIC 15 SXS SODA ASH 2 SXS PAPER 8 SXS

BIT Record

WOB 60 RPM 60 Cumulative Rotating Hours 77.25
Dull Bit No. Size Type Ser. No. Jets
Depth Out Made ft in hrs. Fthr Dull Gr.
Present Bit # 2 Size 11 Type H206 Ser. No. 5051503 Jets 2x16 1x18
Depth In 516 Made 2,294 ft in 62.25 hrs. Avg. R/hr. 36.85

Pumps

BOP Information

Hole Drag and Condition Info.

Mud Pump No. 1 DB700 No. 2 DC700 Deepseat Casing Set String Weight Trip Conditions
Make Size Depth 516 Min. Burst 1730 Neutral 114K Tight Spots Out
Liner 6 6 13.375 516 1730 Pick Up 114K Depth Over Pull
Strokes 16 16 Shoe test Slack Off 114K
SPM 60 Equiv. Mud Weight Rotating Torque
GPM 378 Date Last BOP Check Neutral
Pump psi 1100 Pressure Tested To Pick Up Takes Weight trip in
Slow Pump R BOP Drill & Function Slack Off
SPM Drill String Vol. Bbls. 23 Last Date BHA
Pump psi Annular Vol. Bbls. 256 Inspected Ft. of Fill

Drill String and Bottom Hole Assembly Configuration

Drill Pipe
Size 4 1/2 Weight 16.8 Grade E Tube I.D. 3 T.J. Type T.J. I.D. T.J. O.D. Length 2,091.00 Cumulative ft. from top of collars
 2,091
 2,091

Bottom Hole Assembly

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	Cumulative feet from bit
BIT	1	11					1.5	
BIT SUB	1	8	2 3/4				3.5	3.5
DC	2	8	2 3/4				62.17	65.67
REAMER	1	8	2 3/4				7.67	73.24
DC	1	8	2 3/4				30.78	104.02
REAMER	6	8	2 3/4				7.8	111.82
DC	6	8	2 3/4				174.15	285.77
XO	1	6 1/4	2 1/2				3.62	289.39
DC	15	8	2 1/2				447.19	736.58
Total							736.08	

Report of Operations

Drilling Costs

Hours	Item	Daily
2 1/2	DRILLING F/ 2150' - 2250'	
1/4	WLS @ 2206' 1 1/2"	
6 1/4	DRILLING F/ 2250' - 2508'	
1/2	WLS MISS RUN	
1	DRILLING F/ 2508' - 2540'	
1/4	WLS @ 2495' 1/2"	
12	DRILLING F/ 2540' - 2760'	
1/4	WLS @ 2752' 3/4"	
1	DRILLING F/ 2765' - 2810'	
24		

Item	Daily
Drilling Footage	
Drilling Daywork	\$16,500
Water	\$1,200
Drilling Mud	
Cum. Mud Cost	\$732
Mud Logging Unit	
Cement all strings	
Drill Stem Tests	
Electric Logs	
Bbs. Supplies	
Casing & Well Head	
Other	\$1,430
Cum. Daily Costs	\$18,150
Total Well Costs	\$304,007
Time Category	Hrs.
Rotating	
Orig. (non rotating)	
Cag. & Cmt.	
Evaluation	
Unscheduled Events	

Drilling Supervisor

MICKEY BYRD

Tool Pusher JACKIE JAMESON

Ya Daily Drilling Report

Report Date: 10/18/2005

Ra #: 12.0

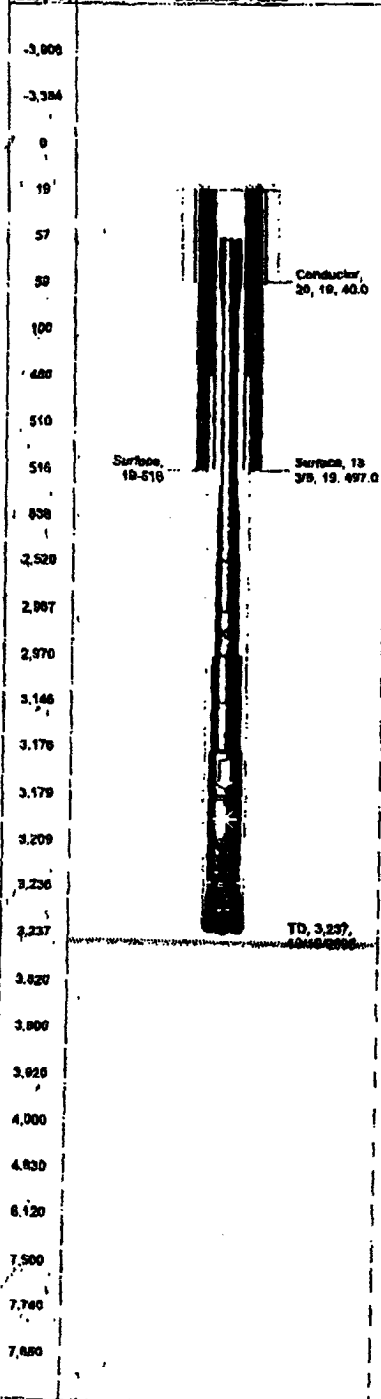
LLAMA ALL FEDERAL #4

Day # 6

MWD - Original Hole				
Wellbore Name	Parent Wellbore	Bottom Hole Legat Location	Hole Direction	Log
Original Hole		7-22S-31E	VERTICAL	New Drilling, New Well, Drilling & Completions on 9/15/2005 08:00

Survey Data				
Date	Description	Measured Depth (MDS)	Inclination (°)	Azimuth (°)
10/19/2005 4:00:00 PM	MWD	3,008.00	1.50	0.00
Date	Description	Measured Depth (MDS)	Inclination (°)	Azimuth (°)
10/19/2005 8:45:00 PM	MWD	3,168.00	2.25	0.00

Hole Direction VERTICAL - Original Hole, 10/20/2005 8:45:00 PM (MDS) (MDS)



BHA REPORT

Page 1

From October 20, 2005 To October 21, 2005

10/21/05 0:14:24 am
Version VER2.2.6

Job No.: **JWT-0510-0178-WTWT** AFE No.: **Patterson 142** Company Man: **Robert Smith**
 Operator: **Yates Petroleum** Location: **Eddy Co. NM**
 Field: **LAMA ALL FED # 4** MWD Operator(s): **Mike Gallaher**
 Well: **05100178** Dir'l Driller(s): **P.A. Gonzalez**
 Run No.: **1** BHA No.: **1** Hole Size: **11"**

BOTTOM HOLE ASSEMBLY

Assembly Type: **Steerable System**
 Objective: **Straighten Hole & Hold Vertical**

Reason Pulled: <undefined>

Motor Size / Type: **7.750 in / 6:7 Lb. 4.0 Stg. 0.17 RPG**Serial No.: **775-77071** Circulating: **15.50 hrs**Sliding(13.6%): **48.00 ft @ 2.00 hrs ==> 24.00 ft/hr**Rotating(86.4%): **453.00 ft @ 12.75 hrs ==> 35.53 ft/hr** SPM: **0.00**Total Drilled: **501.00 ft @ 14.75 hrs ==> 33.97 ft/hr**

No.	Serial No.	Tool Description	OD (in)	ID (in)	Length (ft)	Total Length (ft)	Connections Up	Down	Conn
1	5081582	(BIT) Hughes, HZOC, TCI	11.000		1.00	1.00	6 5/8 Reg		P
2	775-77071	(MTR) National (Adj.), 6:7 Lb. 4.0 Stg. 0.17 RPG, 1.830" Bend	7.750	2.250	26.94	27.94	6 5/8 Reg	6 5/8 Reg	H/B
3	D80F371A	(SUB) Float Sub	8.000	2.875	2.59	30.53	5 1/2 IF	6 5/8 Reg	B/P
4	D80L217B	(MWD) HDS-1-LF	8.125	4.270	29.88	60.41	6 5/8 Reg	5 1/2 IF	B/P
5	Rig	(DC) 9 Jts, Slick Drill Collar	8.000	2.750	267.90	328.31	6 5/8 Reg	6 5/8 Reg	B/P
6	Rig	(SUB) Cross-Over Sub	8.000	2.500	3.62	331.93	4 1/2 XH	6 5/8 Reg	B/P
7	Rig	(DC) 15 Jts, Slick Drill Collar	6.250	2.250	447.38	779.31	4 1/2 XH	4 1/2 XH	B/P

BIT DATA

Manufacturer: **Hughes**
 Bit Type: **TCI**
 Serial No.: **5081582**
 Hours: **14.75**

IADC: **3232.00 - 3733.00 (501.00) ft**
 Nozzles: **16(2), 18 / 32nd**

Length: **1.00 ft**
 Gage Length: **0.00 in**
 TFA: **0.641 in2**

10/21/2005 05:11 4207273

ROBERT GRICE

IA REPORT

Page 1

10. 0:14:24 am

Version VER2.2.6

From October 20, 2005 To October 21, 2005

Job No.: JWP-0510-0178-WTWT

AFE No.: Patterson 142

Company Man: Robert Smith

Operator: Yates Petroleum

Location: Eddy Co. NM

Field: LAMA ALL FED # 4

MWD Operator(s): Mike Callaber

Well: 05100178

Dir'l Driller(s): P.A. Gonzalez

Run No.: 1

BHA No.: 1

Hole Size: 11"

BOTTOM HOLE ASSEMBLY

Assembly Type: Steerable System

Reason Pulled: <undefined>

Objective: Straighten Hole & Hold Vertical

Motor Size / Type: 7.750 in / 6:7 Lb. 4.0 Stg. 0.17 RPG

Serial No.: 775-77071

Circulating: 15.50 hrs

Sliding(13.6%): 48.00 ft @ 2.00 hrs => 24.00 ft/hr

Rotating(86.4%): 453.00 ft @ 12.75 hrs => 35.53 ft/hr

SPM: 0.00

Total Drilled: 501.00 ft @ 14.75 hrs => 33.97 ft/hr

No.	Serial No.	Tool Description	OD (in)	ID (in)	Length (ft)	Total Length (ft)	Connections		Conn
							Up	Down	
1	5081582	(BIT) Hughes, HZOC, TCI	11.000		1.00	1.00	6 5/8 Reg		P
2	775-77071	(MTR) National (Adj.), 6:7 Lb. 4.0 Stg. 0.17 RPG, 1.830" Bend	7.750	2.250	26.94	27.94	6 5/8 Reg	6 5/8 Reg	B/B
3	D80F371A	(SUB) Float Sub	8.000	2.875	2.59	30.53	5 1/2 IF	6 5/8 Reg	B/P
4	D80L217B	(MWD) HDS-1-LF	8.125	4.270	29.88	60.41	6 5/8 Reg	5 1/2 IF	B/P
5	Rig	(DC) 9 jts, Stick Drill Collar	8.000	2.750	267.90	328.31	6 5/8 Reg	6 5/8 Reg	B/P
6	Rig	(SUB) Cross-Over Sub	8.000	2.500	3.62	331.93	4 1/2 XH	6 5/8 Reg	B/P
7	Rig	(DC) 15 jts, Stick Drill Collar	6.250	2.250	447.38	779.31	4 1/2 XH	4 1/2 XH	B/P

BIT DATA

Manufacturer: Hughes

IADC:

Model: HZOC

Length: 1.00 ft

Bit Type: TCI

Depth In: 3232.00 - 3733.00 (501.00) ft

Gage Length: 0.00 in

Serial No.: 5081582

Nozzles: 16(2), 18 / 32nd

TFA: 0.641 in2

Hours: 14.75

DAILY REPORT

October 20, 205

Page 1
10/21/5 0:26:17 am
Version VER2.2.6

Job No.: JWP-0510-0178-WTWT AFE No.: Patterson 142 Company Man: Robert Smith
 Operator: Yates Petroleum Location: Eddy Co. NM
 Field: LAMA ALL FED # 4 MWD Operator(s): Mike Gallaher
 Well: 05100178 Dir'l Driller(s): P.A. Gonzalez

LAST SURVEY

MD ft	TVD ft	Incl deg	Azi deg	N/S ft	E/W ft	Vertical Section ft	DLS deg/100ft
3686.00	3685.84	1.23	104.06	9.71(S)	7.08(E)	12.02	0.55

BIT DATA

Manufacturer: Hughes IADC: Model: HZOC Length: 1.00 ft
 Bit Type: TCI Depth In: 3232.00 - 3797.00 (565.00) ft Gage Length: 0.00 in
 Serial No.: 5081582 Nozzles: 16(2), 18 / 32nd TFA: 0.641 in2
 Daily Hours: 18.00
 Total Hours: 18.00 Total FTG: 565.00

BOTTOM HOLE ASSEMBLY

Run No.: 1 BHA No.: 1 Hole Size: 11"
 Assembly Type: Steerable System Reason Pulled: <undefined>
 Objective: Straighten Hole & Hold Vertical

Motor Size / Type: 7.750 in / 6:7 Lb, 4.0 Seg, 0.17 RPG Serial No.: 775-77871 Circulating: 18.75 hrs
 Sliding(11.1%): 48.00 ft @ 2.00 hrs => 24.00 ft/hr
 Rotating(88.9%): 517.00 ft @ 16.00 hrs => 32.31 ft/hr Press on Bot: 1425 psi SPM: 0.00
 Total Drilled: 565.00 ft @ 18.00 hrs => 31.39 ft/hr Press off Bot: 1325 psi

ACTIVITY LOG

Date From: October 20, 205 Time From: 06:00 Start Depth: 0.00 ft
 Date To: October 21, 205 Time To: 06:00 End Depth: 3797.00 ft
 Total Hours Logged: 26.00 Total Drilled: 565.00 ft

END DATE	TIME	FROM ft	TO ft	ROP ft/hr	CODE	COMMENTS
10/20/05	04:00-07:00	0.00	0.00		MAKBHA	R/U, Strap Tools, P/U Dir. Tools, Scribe, Orientate, & Test MWD
10/20/05	07:00-09:00	0.00	3213.00		TRIPIN	TIH
10/20/05	09:00-09:15	3213.00	3213.00		CIRC	P/U Kelly & Break Circ.
10/20/05	09:15-09:30	3213.00	3232.00		W&R	Wash To 3232
10/20/05	09:30-09:45	3232.00	3232.00		SURVEY	Survey @ 3185 Inc.1.76 Az.143.00
10/20/05	09:45-10:45	3232.00	3240.00	8.00	SLIDE	Slide @ 325 MTF 20K WOB
10/20/05	10:45-13:00	3240.00	3285.00	20.00	ROTATE	Rot. 35K, 40 RPM
10/20/05	13:00-13:15	3285.00	3285.00		SURCON	Conn. / Survey @ 3238 Inc.1.49 Az.150.38
10/20/05	13:15-14:30	3285.00	3317.00	25.60	ROTATE	Rot. 35K, 40 RPM
10/20/05	14:30-14:45	3317.00	3317.00		SURCON	Conn. / Survey @ 3270 Inc.1.41 Az.151.26
10/20/05	14:45-15:30	3317.00	3381.00	85.33	ROTATE	Rot. 35K, 40 RPM
10/20/05	15:30-15:45	3381.00	3381.00		SURCON	Conn. / Survey @ 3334 Inc.1.41 Az.153.02
10/20/05	15:45-16:30	3381.00	3445.00	85.33	ROTATE	Rot. 35K, 40 RPM
10/20/05	16:30-16:45	3445.00	3445.00		SURCON	Conn. / Survey @ 3398 Inc.1.76 Az.156.45
10/20/05	16:45-17:00	3445.00	3477.00	128.00	ROTATE	Rot. 35K, 40 RPM

Job No.: **JWT-0510-0178-WTWT** AFE No.: **Patterson 142** Company Man: **Robert Smith**
 Operator: **Yates Petroleum** Location: **Eddy Co. NM**
 Field: **LAMA ALL FED # 4** MWD Operator(s): **Mike Gallaher**
 Well: **05100178** Dir'l Driller(s): **P.A. Gonzalez**

10/20/05	17:00-17:15	3477.00	3477.00	SURCON	Conn. / Survey @ 3430 Inc.1.85 Az.158.64
10/20/05	17:15-17:45	3477.00	3492.00	30.00 SLIDE	Slide @ 340 MTF 20K WOB
10/20/05	17:45-18:15	3492.00	3541.00	98.00 ROTATE	Rot. 35K, 40 RPM
10/20/05	18:15-18:30	3541.00	3541.00	SURCON	Conn. / Survey @ 3494 Inc.1.76 Az.149.24
10/20/05	18:30-19:00	3541.00	3566.00	50.00 SLIDE	Slide @ 330 MTF 25K WOB
10/20/05	19:00-20:00	3566.00	3605.00	39.00 ROTATE	Rot. 35K, 40 RPM
10/20/05	20:00-20:15	3605.00	3605.00	SURCON	Conn. / Survey @ 3558 Inc.1.14 Az.130.17
10/20/05	20:15-23:00	3605.00	3669.00	23.27 ROTATE	Rot. 35K, 40 RPM
10/20/05	23:00-23:15	3669.00	3669.00	SURCON	Conn. / Survey @ 3622 Inc.0.88 Az.100.90
10/20/05	23:15-24:00	3669.00	3685.00	21.33 ROTATE	Rot. 35K, 40 RPM
10/21/05	00:00-02:30	3685.00	3733.00	19.20 ROTATE	Rot. 35K, 40 RPM
10/21/05	02:30-02:45	3733.00	3733.00	SURCON	Conn. / Survey @ 3686 Inc.1.23 Az.104.06
10/21/05	02:45-06:00	3733.00	3797.00	19.69 ROTATE	Rot. 35K, 40 RPM

COMMENTS / RESULTS

Today's Cost: **\$11,550.00**
 Total Cost to Date: **\$11,550.00**

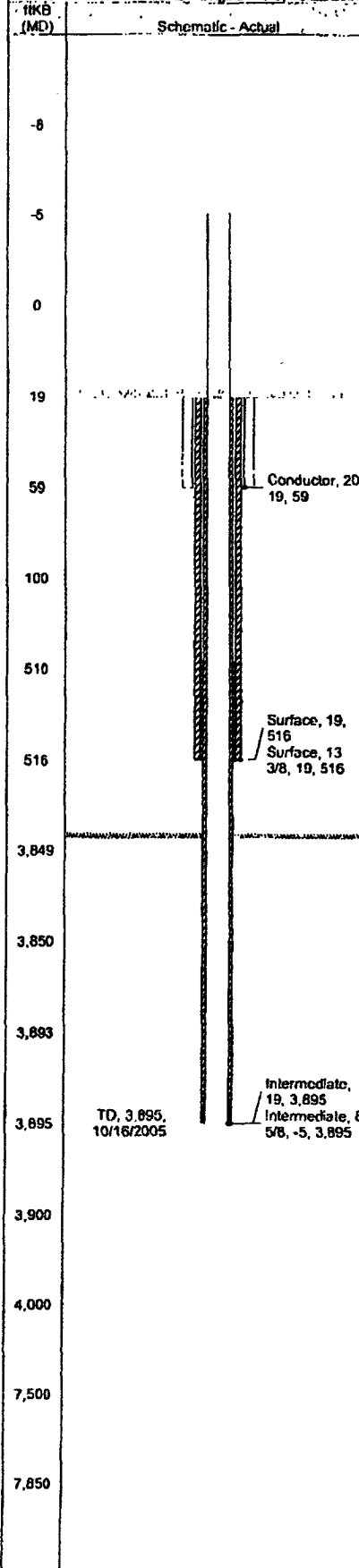
Today's Cost: \$ _____ Operator: _____
 Total Cost To Date: \$ _____ Directional Driller: _____



Cas. Liner and Cement Report

LLAMA ALL FEDERAL #4

Hole Direction: VERTICAL - Original Hole, 10/22/2005



Wellbore		Wellbore Name		Hole Direction		Total Depth		Bottom Hole Legal Location		Wellbore AP...	
Original Hole		VERTICAL		4,820.00		7-22S-31E		3001534...			
Section		Size (in)		Act Top (ftKB)		Act Btm (ftKB)					
Conductor		26		19.0		59.0		516.0		3,895.0	
Surface		17 1/2		516.0		3,895.0		3,895.0		4,820.0	
Intermediate		11		516.0		3,895.0		3,895.0		4,820.0	
Intermediate		11		516.0		3,895.0		3,895.0		4,820.0	
Production		7 7/8		3,895.0		4,820.0					
Casing											
Intermediate, 3,895.0ftKB											
Casing Description		Run Date		Depth Cut Pull		Set Depth (ftKB)		Wellbore		Cut Pull Date	
Intermediate		10/21/2005		19.0		3,895.0		Original Hole		10/22/2005	
		20:45								16:30	
Cement Job Type: Intermediate											
Cementing Start Date		Cementing End Date		Wellbore		Cemented String					
10/22/2005		10/22/2005		Original Hole		Casing String					
04:00		06:30									
Cementing Company											
B J SERVICES											
Cement Stages: Intermediate											
Top (ftKB)		Bottom (ftKB)		Plug Down Date/Time		Full Return?		Req. WOC (hrs)			
19.0		3,895.0		10/22/2005 06:30		Yes		24.00			
Cement Setting Time (hrs)		Req. WOC (hrs)		Plug Bump Pressure (psi)		Max Sqz Press (psi)					
24.00		24.00		1,708.0							
Maximum Squeeze Pressure (psi)											
Waiting On Cement (hrs)											
Depth Logged (ftKB)		Tag Method		Plug Depth (ftKB)		Drill Out Diameter (in)		Drill Out Date			
Slurries: Intermediate											
Fluid Type		Fluid Description		Amount (sacks)		Class		Volume Pumped (bbl)			
Lead				900		35:65:6PzC		327.0			
Estimated Top (ftKB)		Estimated Bottom (ftKB)		Yield (lb/sack)		Mix H ₂ O Ratio (gal/sack)		Free Water (%)			
				2.04							
Weight (lb/gal)		PV (cp)		Thickening Time (hrs)		1st Compressive Strength (psi)					
12.50											
Cement Slurries Additives											
Add		Type		Conc		Conc Unit		Amount		Amount Units	
Slurries: Intermediate											
Fluid Type		Fluid Description		Amount (sacks)		Class		Volume Pumped (bbl)			
Tail				200		C LIta		47.4			
Estimated Top (ftKB)		Estimated Bottom (ftKB)		Yield (lb/sack)		Mix H ₂ O Ratio (gal/sack)		Free Water (%)			
				1.33							
Weight (lb/gal)		PV (cp)		Thickening Time (hrs)		1st Compressive Strength (psi)					
14.80											
Cement Slurries Additives											
Add		Type		Conc		Conc Unit		Amount		Amount Units	
Cellophane Flakes								0.25		lb/sack	
LCM								1.0		lb/sack	
Salt								5.0		lb/sack	

PathFinder Energy Services**Survey Report**

Calculated using the Minimum Curvature Method
 Computed using PDS VER2.2.6
 Vertical Section Plane: 143.89 deg.

Survey Reference: WELLHEAD
 Vertical Section Reference: WELLHEAD
 Closure Reference: WELLHEAD
 TVD Reference: WELLHEAD

Yates Petroleum
 LAMA ALL FED # 4
 Patterson 142
 Eddy Co. NM
 JWT-0510-0178-WTWT

DECLINATION = 8.35 DEG. EAST TO TRUE

KB=17' ROTARY TO GROUND

PATHFINDER OFFICE SUPERVISOR: STEVE JOHNSON

PATHFINDER DIRECTIONAL DRILLER: P.A. GONZALEZ

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. Dir. (ft) (deg.)		DLS (dg/100ft)
3185.00	1.76	143.00	3185.00	0.00	0.00	0.00 N	0.00 E	0.00 @ 0.00	0.00	0.00
3238.00	1.49	150.38	3237.98	53.00	1.50	1.25 S	0.83 E	1.50 @ 148.38	0.84	0.64
3270.00	1.41	151.26	3269.97	32.00	2.30	1.98 S	1.23 E	2.31 @ 147.93	0.26	0.26
3334.00	1.41	153.02	3333.95	64.00	3.86	3.35 S	1.96 E	3.86 @ 149.64	0.07	0.07
3398.00	1.76	156.45	3397.92	64.00	5.60	4.95 S	2.71 E	5.64 @ 151.29	0.57	0.57
3430.00	1.85	158.84	3429.91	32.00	6.68	5.88 S	3.10 E	6.65 @ 152.24	0.35	0.35
3494.00	1.76	149.24	3493.88	64.00	8.55	7.89 S	3.87 E	8.65 @ 152.66	0.48	0.48
3558.00	1.14	130.17	3557.86	64.00	10.15	8.84 S	4.96 E	10.23 @ 150.97	1.21	1.21
3622.00	0.88	100.90	3621.85	64.00	11.13	9.45 S	5.93 E	11.16 @ 147.87	0.89	0.89
3686.00	1.23	104.08	3685.84	64.00	12.02	9.71 S	7.08 E	12.02 @ 143.89	0.55	0.55

Page 1
 Job No: JWT-0510-0178-WTWT
 Date: 10/21/2005
 Time: 5:41 am
 Wellpath ID: 05100178
 Date Created: 10/20/2005
 Last Revision: 10/21/2005



Y: Daily Drilling Report

Report : 10/21/2005

Report #: 13.0

LLAMA ALL FEDERAL #4

Day # 7

Bit Record					AP/WI		State		Surface Legal Location			
Bit Run	Drill Bit	Drill Out	Nozzles (22")		3001534297	EDDY	NEW MEXICO	SEC 7/TWN 22S/RNG 31E/UNT N				
2	8 1/2 - 11, H-20C, 5081582		16/16/18									
Depth In (ft)	Depth Out (ft)	Depth Drill (ft)	Hours Drill	Avg ROP	North/South Distance (ft)	East/West Distance (ft)	EW Ref	Ground Elevation (ft)	Original KB Elevation (ft)			
516.0	3,797.0	3,285.00	80.00	41.1	330.0	FSL	1,650.0	FWL	3,348.00	3,367.00		
					Target Depth (ft)	Target Formation	Drill Hrs (hrs)	Air Number	TOLSAFE Amount			
					7,850.0	BONE SPRINGS	95.00	053940				
					Day No.	Report End Date	Formation at Report Time	Technology	Present Operations			
					7	10/21/2005 05:59			Drilling			
					Daily Cost Total	Cost To Date	Daily Mud Cost	Mud Additive Cost To Date				
					30,876.00	291,149.00	1,026.00	1,758.00				
					Depth End (ft)	Depth Start (ft)	Depth Progress (ft)	Drilling Hours (hrs)	Average ROP (ft/hr)			
					3,797.0	3,232.0	565.00	21	26.90			
					Avg Background Gas (units)	Max Background Gas (units)	Avg Connection Gas (units)	Max Connection Gas (units)				
					Avg Trip Gas (units)	Max Trip Gas (units)	Flare					
					Mud Checks							
					Weight (ppm)	Chlorides (ppm)	Calcium (ppm)	Solids (%)	LCM			
					10.00	182						
					Funnel Viscosity (cP)	FV (cP)	YP (lb/100ft ²)	Gel 10 sec (lb/100ft ²)	Gel 10 min (lb/100ft ²)			
					28				11.0			
					Water Loss (ml/30min)	Filter Cake (32")	KCl (%)	Percent Oil (%)				
					Time Log							
					Start Time	End Time	Time Code	Depth Start (ft)	Depth End (ft)	Comment		
					06:00	1:00	Pick up BHA			Make up MWD and test		
					07:00	2:00	Tripping in	19.0	3,237.0			
					08:00	21:00	Drilling	3,237.0	3,797.0			
					Daily Costs							
					Cost Description		Cost Details	Cost				
					Drilling Daywork			16,500.00				
					Drilling Water, Fastline Rental		Fast Line	100.00				
					Supervision & Overhead - Drilling			800.00				
					Supervision & Overhead - Drilling		Trailer Rental	150.00				
					Tools & Equip. Rnt, Trkg. & Welding-Drilling		Down Hole Equip. B.O.P. Rental	11,550.00				
					Mud Logging Unit, Sample Bags			650.00				
					Tools & Equip. Rental, Etc. - Completions		Safety Equipment	100.00				
					Drilling Mud & Additives			1,026.00				
					Daily Contacts							
					Job Contact		Company	Phone Mobile				
					ROBERT SMITH, DRILLING FOREMAN		YATES	505-365-4029				
					Job Contact		Company	Phone Mobile				
					JACKIE JAMESON, TOOLPUSHER		PATTERSON	505-420-0063				
					Rigs							
					Rig Contractor		Rig Number	Rig Type				
					PATTERSON UTI DRILLING CO. LP		142	Drilling - Triple				
					Mud Pumps - 1							
					No.	Start Date	Make	Model	Pwr (hp)	Mod Dia (in)		
					1	9/15/2005	Continental-Emsco	DB-700	700.0	2 3/4		
					Mud Pumps - 2							
					No.	Start Date	Make	Model	Pwr (hp)	Mod Dia (in)		
					2	9/15/2005	Continental-Emsco	DB-700	700.0	2 3/4		
					Pump Checks							
					Pump Number	Slow Speed Check?	Stroke (spm)	Pressure (psi)				
					2	No	60	1,450.0				
					Safety Checks							
					Date	Description	Type	Comment				
					Mud Additive Amounts							
					Description	Type	Consumed	Units				
					Soda Ash		4.0	sacks				
					Description	Type	Consumed	Units				
					Caustic Soda	Alkalinity control	5.0	sacks				
					Description	Type	Consumed	Units				
					Salt Water Gel		115.0	sacks				
					Drill Strings: BHA #8, stick							
					Bit Run	Drill Bit	Depth In (ft)	Depth Out (ft)	Drilled (ft)	Unit Time (hrs)	BHA ROP (ft/hr)	
					2	8 1/2 - 11, H-20C, 5081582	3,232.0	3,797.0	565.00	0.00		
					String Length (ft)	String Wt (1000lb)	OD (in)	ADC BH Out	HYA (in)	Nozzles (22")		
					3,796.65	145	9.000			16/16/18		
					Drilling Parameters 3,232.0 ftKB - 3,797.0 ftKB							
					WOB (1000lb)	RPM (rpm)	Motor H. (ft)	SPP (psi)	Q (flow) (gpm)	Rot. String Wt. (lb)	PU HL (1000ft)	SO HL (1000ft)
					40	40	65	105	1,450.0	378	130	122
					Casing Strings							
					Item Description	OD (in)	ID (in)	Grade	Mass/Len (lb/ft)	Top Thread	Len (ft)	Jts
					Drill Pipe	4 1/2	3.828	E	16.60		2,923.30	93
					Drill Collar	6 1/4	2.250		90.72		447.19	15
					XO Sub	6 1/4	2.750				3.62	1
					Drill Collar	8	2.250		157.24		267.90	6
					Drill Collar	8	2.250		157.24		30.78	1
					Drill Collar	8	2.250		157.24		62.17	2
					MWD - Directional	9	2.750				28.88	1
					Float Sub	9	2.750				3.62	1
					Mud Motor - Bent Housing	9	2.750				26.04	1
					Casing Strings							
					Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)		
					Conductor	10/8/2005 08:00		59.0	20		19.124	



Daily Drilling Report

Report Date: 10/21/2005

Report #: 13.0

LLAMA ALL FEDERAL #4

Day # 7

Casing Strings

Casing Description	Run Date	Depth Cut Pw (ft...)	Set Depth (ft)	OD (in)	ID (in)
Surface	10/14/2005 20:30	19.0	518.0	13 3/8	12.715

MWD- Original Note

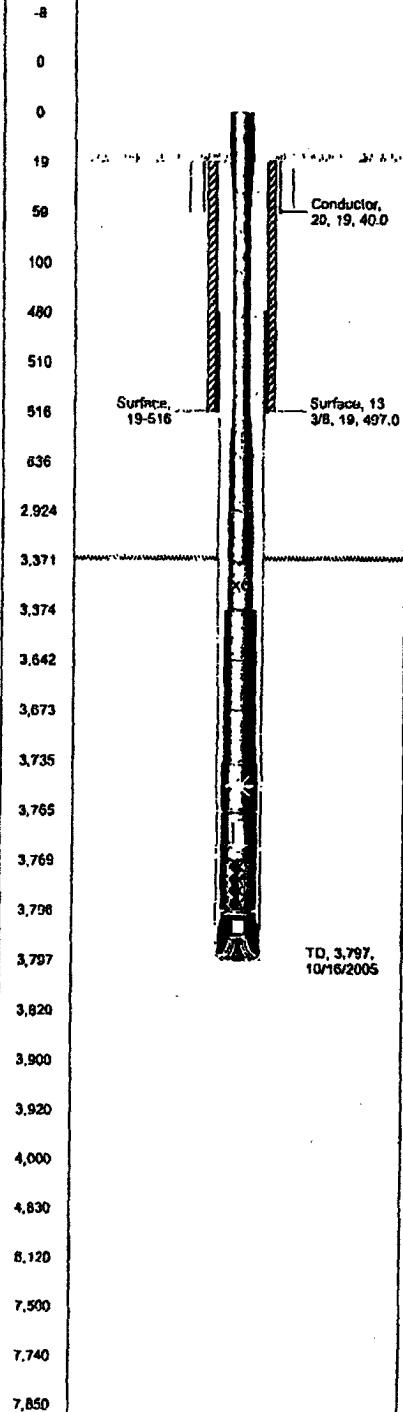
Wellbore Name	Parent Wellbore	Bottom Hole Label Location	Hole Direction	Job
Original Hole		7-22S-31E	VERTICAL	New Drilling, New Well, Drilling & Completions on 9/15/2005 08:00

Survey Data

Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)
10/20/2005 12:45:00 PM	MWD	3,238.00	1.49	150.38
10/20/2005 2:30:00 PM	MWD	3,270.00	1.41	151.26
10/20/2005 3:30:00 PM	MWD	3,344.00	1.41	153.02
10/20/2005 4:30:00 PM	MWD	3,398.00	1.76	156.45
10/20/2005 5:00:00 PM	MWD	3,430.00	1.85	158.64
10/20/2005 6:20:00 PM	MWD	3,494.00	1.76	149.24
10/20/2005 8:00:00 PM	MWD	3,558.00	1.14	130.17
10/20/2005 11:15:00 PM	MWD	3,622.00	0.88	100.90
10/21/2005 2:00:00 AM	MWD	3,686.00	1.23	104.06

Hole Direction: VERTICAL - Original Hole, 10/21/2005 5:50
ft/s (MD)

Schematic - Actual

TD, 3,797.
10/16/2005



s Daily Drilling Report

Report Date: 10/22/2005

Report #: 14.0

LLAMA ALL FEDERAL #4

Day # 8

Bit Record					APWUW		County		State		Surface Legal Location	
Bit Run	Bit Bit	Out	Nozzles (32")		3001534297	EDDY	NEW	MEXICO	SEC 7/TWN 22S/RNG 31E/UNT N			
2	Bit # 2 - 11, H-20C - 50815R2		18/16/16									
Depth In (ft)	Depth Out (ft)	Depth (ft)	Hours Drilled	Avg ROP	North/South Distance (ft)	East/West Distance (ft)	FWL	Ground Elevation (ft)	Original KB Elevation (ft)			
516.0	3,895.0	3,384.00	108.25	31.3	330.0	1,650.0	FWL	3,348.00	3,367.00			
Target Depth (ft)	Target Formation	Drill Bits (hrs)	AFE Number	Total AFE Amount								
7,850.0	BONE SPRINGS	137.75	053940									
Day No.	Report End Date	Formation at Report Time	Lithology	Present Operations								
8	10/22/2005 05:59			Cementing								
Day Cost Total	Cum Cost To Date	Day Mud Cost	Mud Additive Cost To Date									
33,159.00	324,308.00		1,758.00									
Depth End (ft)	Depth Start (ft)	Depth Progress (ft)	Drilling Hours (hrs)	Average ROP (ft/hr)								
3,895.0	3,797.0	98.00	7.25	13.5								
Avg Background Gas (ft)	Max Background Gas (ft)	Avg Connection Gas (ft)	Max Connection Gas (ft)									
Avg Trip Gas (ft)	Max Trip Gas (ft)	Flow										
Mud Checks												
Weight (lb/gal)	Chlorides (ppm)	Calcium (ppm)	Solids (%)	LCM								
10.00	182,000											
Funnel Viscosity (cP)	VP (ft/100ft)	Set 10 sec (ft/100ft)	Set 10 min (ft/100ft)	pH								
28				11.0								
Water Loss (mL/30min)	Filter Cake (32")	SS (%)	Percent Oil (%)									
Time Log												
Start Time	Out (hrs)	End Time	Cum Use (hrs)	Time Code	Depth Start (ft)	Depth End (ft)	Comment					
06:00	7.25	13:15	7.25	Drilling	3,797.0	3,895.0	TD 11" hole at 1:15 pm mst 10-21-05					
13:15	1.00	14:15	8.25	Condition and/or Circulate mud	3,895.0							
14:15	3.25	17:30	11.50	Tripping Out								
17:30	3.00	20:30	14.50	Lay Down Drill String								
20:30	5.75	02:15	20.25	Run Casing								
02:15	1.50	03:45	21.75	Condition and/or Circulate mud								
03:45	2.25	06:00	24.00	Cementing								
Daily Costs												
Cost Description				Cost Details		Cost						
Drilling, Daywork						16,500.00						
Drilling Water, Fastline Rental				Fast Line		100.00						
Supervision & Overhead - Drilling						800.00						
Supervision & Overhead - Drilling				Trailer Rental		150.00						
Tools & Equip. Rntl. Trkg. & Welding-Drilling				Down Hole Equip., B.O.P. Rental		8,100.00						
Mud Logging Unit, Sample Bags						650.00						
Tools & Equip. Rntl. Trkg. & Welding-Drilling				Safety Equipment		100.00						
Tools & Equip. Rntl. Trkg. & Welding-Drilling						755.00						
Tools & Equip. Rntl. Trkg. & Welding-Drilling						604.00						
Cementing - Surface & Intermediate Casing				Lay Down		5,400.00						
Daily Contacts												
Job Contact				Company		Phone Mobile						
ROBERT SMITH, DRILLING FOREMAN				YATES		505-385-4029						
Job Contact				Company		Phone Mobile						
JACKIE JAMESON, TOOLPUSHER				PATTERSON		505-420-0063						
Rigs												
Rig Contractor				Rig Number		Rig Type						
PATTERSON UTI DRILLING CO. LP				142		Drilling - Triple						
Mud Pumps - 1												
No.	Start Date	Make	Model	HP (hp)	Rod Dia (in)							
1	9/15/2005	Continental-Emasco	DB-700	700.0	2 3/4							
Mud Pumps - 2												
No.	Start Date	Make	Model	HP (hp)	Rod Dia (in)							
2	9/15/2005	Continental-Emasco	DB-700	700.0	2 3/4							
Safety Checks												
Date	Description	Type	Comment									
10/21/2005 17:00	On laying down drill collars	Safety Meeting										
10/21/2005 22:15	Running casing	Safety Meeting	Safety meeting with casing crew and rig crew on running casing									
Mud Additive Amounts												
Description	Type	Consumed	Units									
Drill Strings: BHA #9, Slick												
Bit Run	Drill Bit	Depth In (ft)	Depth Out (ft)	Drilled (ft)	Drill Time (hrs)	BHA ROP (ft/hr)						
2	Bit # 2 - 11, H-20C - 50815R2	3,797.0	3,895.0	98.00	7.25	13.5						
String Length (ft)	String Wt. (lb/1000ft)	OD (in)	IAOC Bit Dia	YFA (in)	Nozzles (32")							
3,894.91	147	8.000			18/16/16							
Drilling Parameters 3,797.0 RKB - 3,895.0 RKB												
WOB (lb/1000ft)	RPM (rpm)	Motor RL (ft)	Bit RPM (rpm)	SPP (psi)	Q (bbl/hr)	Rot. String Wt. (lb)	WOB HL (lb/1000ft)	SO HL (lb/1000ft)				
40	40	65	105	1,450.0	378	130	133	122				
Drill Pipe												
Drill Pipe	OD (in)	ID (in)	Grade	Master Len (ft)	Top Thread	Len (ft)						
	4 1/2	3.828	E	16.60		3,021.56						



Yates Daily Drilling Report

Report Date: 10/22/2005

Report #: 14.0

LLAMA ALL FEDERAL #4

Day # 8

Item Description	OD (in)	ID (in)	Grade	Mass/Len (lb/ft)	Top Thread	Len (ft)	Jts
Drill Collar	6 1/4	2.250		90.72		447.19	15
XO Sub	6 1/4	2.750				3.62	1
Drill Collar	8	2.250		157.24		267.90	9
Drill Collar	8	2.250		157.24		30.78	1
Drill Collar	8	2.250		157.24		62.17	2
Drill Collar - Non Mag	9	2.750				29.88	1
Float Sub	9	2.750				3.62	1
Mud Motor - Bent Housing	9	2.750				26.94	1

Casing Strings

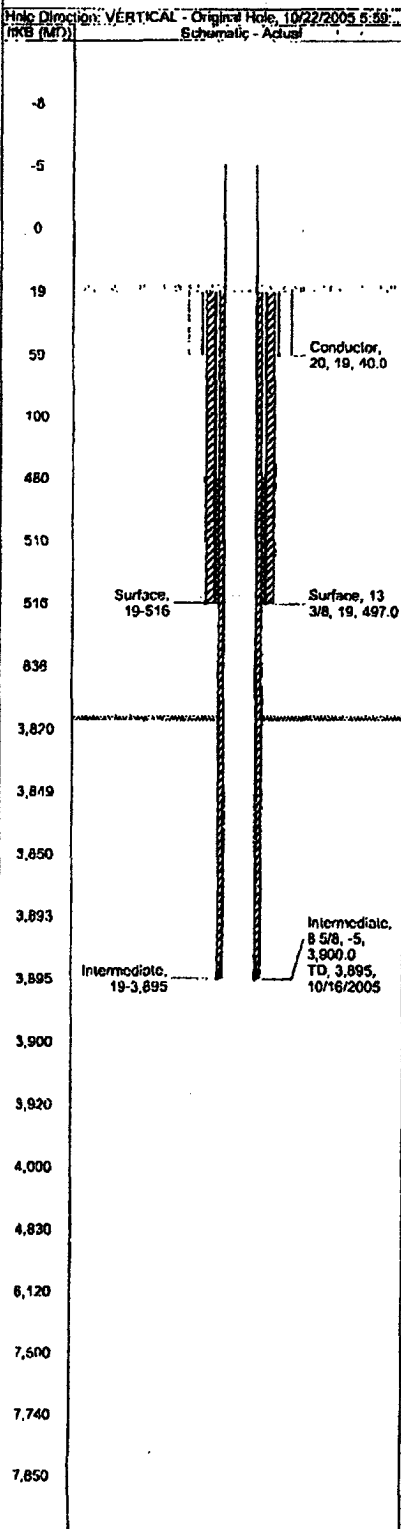
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Conductor	10/8/2005 08:00		59.0	20	19.124
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Surface	10/14/2005 20:30	19.0	516.0	13 3/8	12.715
Casing Description	Run Date	Depth Cut Pull (ft)	Set Depth (ft)	OD (in)	ID (in)
Intermediate	10/21/2005 20:45	19.0	3,895.0	8 5/8	7.921

MWD - Original Hole

Wellbore Name	Parent Wellbore	Bottom Hole Log Location	Hole Direction	Job
Original Hole		7-22S-31E	VERTICAL	New Drilling, New Well, Drilling & Completions on 9/15/2005 08:00

Survey Data

Date	Description	Measured Depth (ft)	Inclination (°)	Azimuth (°)
10/21/2005 8:00:00 AM	MWD	3,797.00	1.23	101.87
10/21/2005 1:00:00 PM	MWD	3,848.00	0.88	117.51



**Cas. Liner and Cement Report****LLAMA ALL FEDERAL #4**

Hole Direction: VERTICAL - Original Hole, 10/22/2005		Schematic - Actual	
1100 (MD)			
-8			
-5			
0			
19			
59			
100			
510			
516			
3,849			
3,850			
3,893			
3,895			
3,900			
4,000			
7,500			
7,850			

Conductor, 20,
19, 59

Surface, 19,
516

Surface, 13
3/8, 19, 516

Intermediate,
19, 3,895

Intermediate, 8
5/8, -5, 3,895

TD, 3,895,
10/16/2005

Wellbore		Wellbore Name		Hole Direction		Total Depth		Bottom Hole Legal Location		Wellbore AP...	
Original Hole		VERTICAL		4,820.00		7:22S-31E				3001534...	
Section		Size (in)		Act Top (ftKB)		Act Elm (ftKB)					
Conductor		26		19.0		59.0					
Surface		17 1/2		50.0		516.0					
Intermediate		11		516.0		3,895.0					
Intermediate		11		516.0		3,895.0					
Production		7 7/8		3,895.0		4,820.0					
Casing											
Casing Description		Run Date		Depth Cut Full		Bot Depth (ftKB)		Wellbore		Cut Full Date	
Centralizers		Scratchers									
Jct.		Item Description		OD (in)		ID (in)		WT (lb/ft)		Grade	
Cement Job Type: Intermediate											
Cementing Start Date		Cementing End Date		Wellbore		Cemented String		Original Hole		Casing String	
10/22/2005		10/22/2005									
04:00		06:30									
Cementing Company		Comment									
B J SERVICES											
Cement Stages: Intermediate - 1											
Top (ftKB)		Bottom (ftKB)		Plug Down Date/Time		Full Return?		Hdg. WOC (hrs)			
19.0		3,895.0		10/22/2005 06:30		Yes		24.00			
Cement Setting Time (hrs)		Rec. WOC (hrs)		Plug Bump Pressure (psi)		Max Sq Press (psi)					
24.00		24.00		1,709.0							
Maximum Squeeze Pressure (psi)		Waiting On Cement (hrs)									
Oooh lagged (ftKB)		Tag Method		Plug Depth (ftKB)		Dis Out Diameter (in)		Drill Bit Date			
Slurries: Intermediate											
Fluid Type		Fluid Description		Amount (sacks)		Class		Volume Pumped (bbl)			
Lead				900		35.65:6PzC		327.0			
Estimated Top (ftKB)		Estimated Bottom (ftKB)		Yield (lb/sack)		Max H2O Ratio (gal/sack)		Free Water (%)			
				2.04							
Weight (lb/gal)		PV (cp)		Thickening Time (hrs)		1st Compressive Strength (psi)					
12.50											
Cement Slurries Additives											
Add		Type		Conc		Conc Unit		Amount		Amount Units	
Slurries: Intermediate											
Fluid Type		Fluid Description		Amount (sacks)		Class		Volume Pumped (bbl)			
Tail				200		C Lite		47.4			
Estimated Top (ftKB)		Estimated Bottom (ftKB)		Yield (lb/sack)		Max H2O Ratio (gal/sack)		Free Water (%)			
				1.33							
Weight (lb/gal)		PV (cp)		Thickening Time (hrs)		1st Compressive Strength (psi)					
14.80											
Cement Slurries Additives											
Add		Type		Conc		Conc Unit		Amount		Amount Units	
Cellophane Flakes								0.25		lb/sack	
LCM											

DUNN LOGGING SERVICE MORNING REPORT

COMPANY: YATES PETROLEUM CORP.
 WELL: LLAMA "ALL" FEDERAL 4
 COUNTY: EDOY STATE: NM
 DATE: 10-23-2008 REPORT NO.: 1 REPORT TIME: 11:01 PM
 DEPTH: 4385
 FOOTAGE SINCE LAST REPORT: 520 AVG ROP: 0.8 min/hr, 75 ft/hr
 PRESENT OPERATIONS: DRILLING
 LAGTIME: 28 SURVEY: 4116 1/4
 FORMATION: BELL CANYON NEXT TOP: CHERRY CANYON
 LITHOLOGY: SAND SHALE

MUD PROPERTIES: WT: 8.4 VIS: 28 FIL: CKG PH: 11 CHL:
 DRILLING PARAMETERS: WOB: 17 RPM: 60 PP: 1400 SPM: 60
 HW C1 C2 C3 C4 C5
 Background Gas: 1 0 0 0 0
 Mast Formation Gas: 5 3 0 0 0 AT: 3808
 Mast Cg/DMSG Gas: 3 1 0 0 0 AT: 3804
 Trip Gas: 0 0 0 0 0 AT: 0
 COMMENTS:



Daily Drilling Report

Report Date: 10/23/2005

Report #: 15.0

LLAMA ALL FEDERAL #4

Day # 9

Bit Record				APR/WH		County		State		Surface Legal Location	
Bit Run	Drift Bit	Dull Out	Nozzles (32")	3001534297	EDDY	NEW	MEXICO	SEC 7/TWN 22S/RNG 31E/UNT N			
Depth In (ft)	Depth Out (ft)	Depth Drift	Hours Drift	Avg In/Out	North/South Distance (ft)	N/S Ref	East/West Distance (ft)	EW Ref	Ground Elevation (ft)	Original KB Elevation (ft)	
					330.0	FSL	1,650.0	FWL	3,348.0	3,367.00	
Target Depth (ft)				Target Formation		Drift Hrs (hrs)		AFE Number		Total AFE Amount	
7,850.0				BONE SPRINGS		137.75		053940			
Day No.		Report End Date		Formation at Trapal Time		Lithology		Present Operations			
9		10/23/2005		05:59				Wait On Cement			
Daily Cost Total		Cum Cost To Date		Daily Mud Cost		Mud Additive Cost To Date					
43,708.00		368,016.00				1,758.00					
Depth End (ft)		Depth Start (ft)		Depth Progress (ft)		Drilling Hours (hrs)		Average ROP (ft/hr)			
3,805.0		3,895.0		0.00							
Avg Background Gas (ppm)		Max Background Gas (ppm)		Avg Connection Gas (ppm)		Max Connection Gas (ppm)					
Avg Trip Gas (ppm)		Max Trip Gas (ppm)		Filter							
Mud Checks											
Weights (lb/gal)		Chlorides (ppm)		Calcium (ppm)		Solids (%)		LCM			
Funnel Viscosity (cst)		PV (cp)		YP (lb/100ft)		Gel 10 sec (lb/100ft)		Gel 10 min (lb/100ft)		pH	
Water Loss (mL/30min)		Filter Cake (32")		KCl (%)		Percent Oil (%)					
Time Log											
Start Time		Dur (hrs)		End Time		Cum Dur (hrs)		Depth Start (ft)		Depth End (ft)	
08:00		0.50		06:30		0.50		Cementing			
										CIRC 132 SACKS CEMENT TO PITS PLUG DOWN AT 6:30 AM MST PAUL SWARTS WITH BLM WITNESSED CEMENT JOB	
06:30		12:00		18:30		12:50		Wait On Cement			
18:30		3:50		22:00		16:00		Cut off casing/weld on wellhead			
22:00		5:00		03:00		21:00		Nipple Up /Nipple Down BOP Stack			
03:00		3:00		06:00		24:00		Test BOP			
Daily Costs											
Cost Description		Cost		Cost Description		Cost					
Drilling, Daywork		16,500.00		Fas Line		100.00					
Drilling Water, Fasline Rental		800.00		Trailer Rental		150.00					
Supervision & Overhead - Drilling		650.00		Safety Equipment		100.00					
Supervision & Overhead - Drilling		692.00		Temperature Survey		24,166.00					
Tools&Equip. Rntl.Trkg.&Welding-Drilling		550.00									
Tools&Equip. Rntl.Trkg.&Welding-Drilling											
Cementing - Surface & Intermediate Casing											
Daily Contacts											
Job Contact		Company		Phone Mobile		Phone Mobile					
ROBERT SMITH, DRILLING FOREMAN		YATES		505-365-4029		505-365-4029					
Job Contact		Company		Phone Mobile		Phone Mobile					
JACKIE JAMESON, TOOLPUSHER		PATTERSON		505-420-0063		505-420-0063					
Rigs											
Rig Contractor		Rig Number		Rig Type		Rig Type					
PATTERSON UTI DRILLING CO. LP		142		Drilling - Triple		Drilling - Triple					
Mud Pumps - 1											
No.		Start Date		Make		Model		Pwr (hp)		Rod Dia (in)	
1		9/15/2005		Continental-Emsco		DB-700		700.0		2 3/4	
Mud Pumps - 2											
No.		Start Date		Make		Model		Pwr (hp)		Rod Dia (in)	
2		9/15/2005		Continental-Emsco		DB-700		700.0		2 3/4	
Safety Checks											
Date		Description		Type		Comments					
10/22/2005		Nipple up BOP		Safety Meeting		Safety meeting nipping up BOP					
Mud Additive Amounts											
Description		Type		Consumed		Units					
Casing Strings											
Casing Description		Run Date		Depth Cut Pull (ft)		Set Depth (ft)		OD (in)		ID (in)	
Conductor		10/8/2005 08:00		19.0		58.0		20		19.124	
Casing Description		Run Date		Depth Cut Pull (ft)		Set Depth (ft)		OD (in)		ID (in)	
Surface		10/14/2005 20:30		19.0		516.0		13 3/8		12.715	
Casing Description		Run Date		Depth Cut Pull (ft)		Set Depth (ft)		OD (in)		ID (in)	
Intermediate		10/21/2005 20:45		19.0		3,895.0		8 5/8		7.921	
MWD - Original Hole											
Wellbore Name		Bottom Hole Legal Location		Hole Direction		Job					
Original Hole		7-22S-31E		VERTICAL		New Drilling, New Well, Drilling & Completions on 9/15/2005 08:00					
Survey Data											
Date		Description		Measured Depth (ft)		Inclination (°)		Azimuth (°)			
		MWD									



is Daily Drilling Report

Repo ite: 10/24/2005
Report #: 16.0

LLAMA ALL FEDERAL #4

Day # 10

Bit Record				APU/DWI		County		State		Surface Legal Location		
3	Bit # 3 - 7 7/8, M51675BZ, 2876	Out	Nozzles (1/32")	3001534297	EDDY	NEW MEXICO	SEC 7/TWN 22S/RNG 31E/UNT N					
Depth In (ft)	Depth Out (ft)	Depth (ft)	Hours Drill	Avg ROP	North/South Distance (ft)	East/West Distance (ft)	E/W Rnd	Ground Elevation (ft)	Original R/E Elevation (ft)			
3,895.0	4,820.0	925.00	14.50	63.8	330.0	1,650.0	FSL	3,348.00	3,367.00			
				Target Depth (ft)	Target Formation	Drill Tps (hrs)	A/E Number	Total A/E Amount				
				7,850.0	BONE SPRINGS	137.75	053940					
				Day No.	Report End Date	Formation at Report Time	Lithology	Pressure Operations				
				10	10/24/2005	05:59		Drilling				
				Daily Cost Total	Cum Cost To Date	Daily Mud Cost	Mud Additive Cost To Date					
				18,195.00	387,211.00		1,758.00					
				Depth Start (ft)	Depth End (ft)	Depth Progress (ft)	Drilling Hours (hrs)	Average ROP (ft/hr)				
				4,820.0	3,895.0	925.00	14.50	63.8				
				Avg Background Gas (ppm)	Max Background Gas (ppm)	Avg Connection Gas (ppm)	Max Connection Gas (ppm)					
				1.00	3.00							
				Avg Trip Gas (ppm)	Max Trip Gas (ppm)	Flare						
				Mud Checks								
				Weight (lb/gal)	Chlorides (ppm)	Calcium (ppm)	Solids (%)	LCM				
				8.3								
				Funnel Viscosity (cp)	YF (cp)	YF (60/100°F)	Gel 10 sec (60/100°F)	Col 10 min (60/100°F)	pH			
				2.0								
				Water Loss (mL/30min)	Filter Cake (1/32")	KCl (%)	Percent Oil (%)					
				Time Log								
				Start Time	End Time	Cum Dur (hrs)	Time Code	Depth Start (ft)	Depth End (ft)	Comment		
				06:00	08:30	2.50	Test BOP					
				08:30	09:30	3.50	Pick up BHA					
				09:30	11:45	5.75	Tripping in	19.0	3,848.0	Tag cement at 3848		
				11:45	12:15	6.25	Test Casing	3,848.0		Test csg 1625 psi ending at 1475 psi		
				12:15	13:30	7.50	Drill Cement and/or Float Equipment	3,848.0	3,895.0			
				13:30	14:00	8.00	Test Casing	3,895.0		Test start 100 psi end 975 psi		
				14:00	18:45	12.75	Drilling	3,895.0	4,160.0	Resumed drlg formation at 2:00 pm mst 10-23-05		
				18:45	19:15	13.25	Deviation Survey	4,160.0		Wls at 4114 1/4 deg		
				19:15	20:45	20.75	Drilling	4,160.0	4,673.0			
				20:45	03:15	21.25	Deviation Survey	4,673.0		Wls at 4601 f deg		
				03:15	03:45	21.75	Rig Repair					
				03:45	06:00	24.00	Drilling	4,673.0	4,820.0			
				Daily Costs								
				Cost Description				Cost Details		Cost		
				Drilling, Daywork						18,500.00		
				Drilling Water, Fasline Rental				Fas Line		100.00		
				Supervision & Overhead - Drilling						800.00		
				Supervision & Overhead - Drilling				Trailer Rental		150.00		
				Mud Logging Unit, Sample Bags						650.00		
				Tools&Equip. Rnd.Trkg.&Welding-Drilling				Safety Equipment		100.00		
				Tools&Equip. Rnd.Trkg.&Welding-Drilling				Yellow Jacket		95.00		
				Daily Contacts								
				Job Contact				Company		Phone Mobile		
				ROBERT SMITH, DRILLING FOREMAN				YATES		505-365-4029		
				Job Contact				Company		Phone Mobile		
				JACKIE JAMESON, TOOLPUSHER				PATTERSON		505-420-0063		
				Rigs								
				Rig Contractor				Rig Number		Rig Type		
				PATTERSON UTI DRILLING CO. LP				142		Drilling - Triple		
				Mud Pumps - 1								
				No	Start Date	Make	Model	Pwr (hp)	Rod Dia (in)			
				1	9/15/2005	Continental-Emsco	DB-700	700.0	2 3/4			
				Mud Pumps - 2								
				No	Start Date	Make	Model	Pwr (hp)	Rod Dia (in)			
				2	9/15/2005	Continental-Emsco	DB-700	700.0	2 3/4			
				Pump Checks								
				Pump Number	Slow Speed Check?	Strokes (spm)	Pressure (psi)					
				2	No	60	1,350.0					
				Safety Checks								
				Date	Description	Type	Comment					
				Mud Additive Amounts								
				Description	Type	Consumed		Units				
				Drill Strings: BHA #10, Packed Hole								
				Bit Run	Drill Bit	Depth In (ft)	Depth Out (ft)	Drilled (ft)	Drill Time (hrs)	BHA ROP (ft/hr)		
				3	Bit # 3 - 7 7/8, M51675BZ, 2876	3,895.0	4,820.0	925.00	14.50	63.8		
				String Length (ft)	String Wt (1000lb)	ID (in)	IADC Bit Cmt	TFA (in)	Nozzles (1/32")			
				4,820.03	171	6.250			16/16/16/16/16			
				Drilling Parameters 3,895.0 ft - 4,820.0 ft								
				WOB (1000lb)	ROP (ft/hr)	Motor Rnd	Bit Rnd	SPP (psi)	Q (bbl/hr)	Rel. String Wt. (lb)	PUL (1000lb)	SOIL (1000lb)
				15	40	70	110	1,350.0	378	136	138	134
				Item Description								
				Drill Pipe	OD (in)	ID (in)	Grade	Mass/Len (lb/ft)	Top In (ft)	Len (ft)	Jts	
				Drill Collar	4 1/2	3.826	E	16.60		3,793.92	12	
					6 1/4	2.250		90.72		680.50	2	



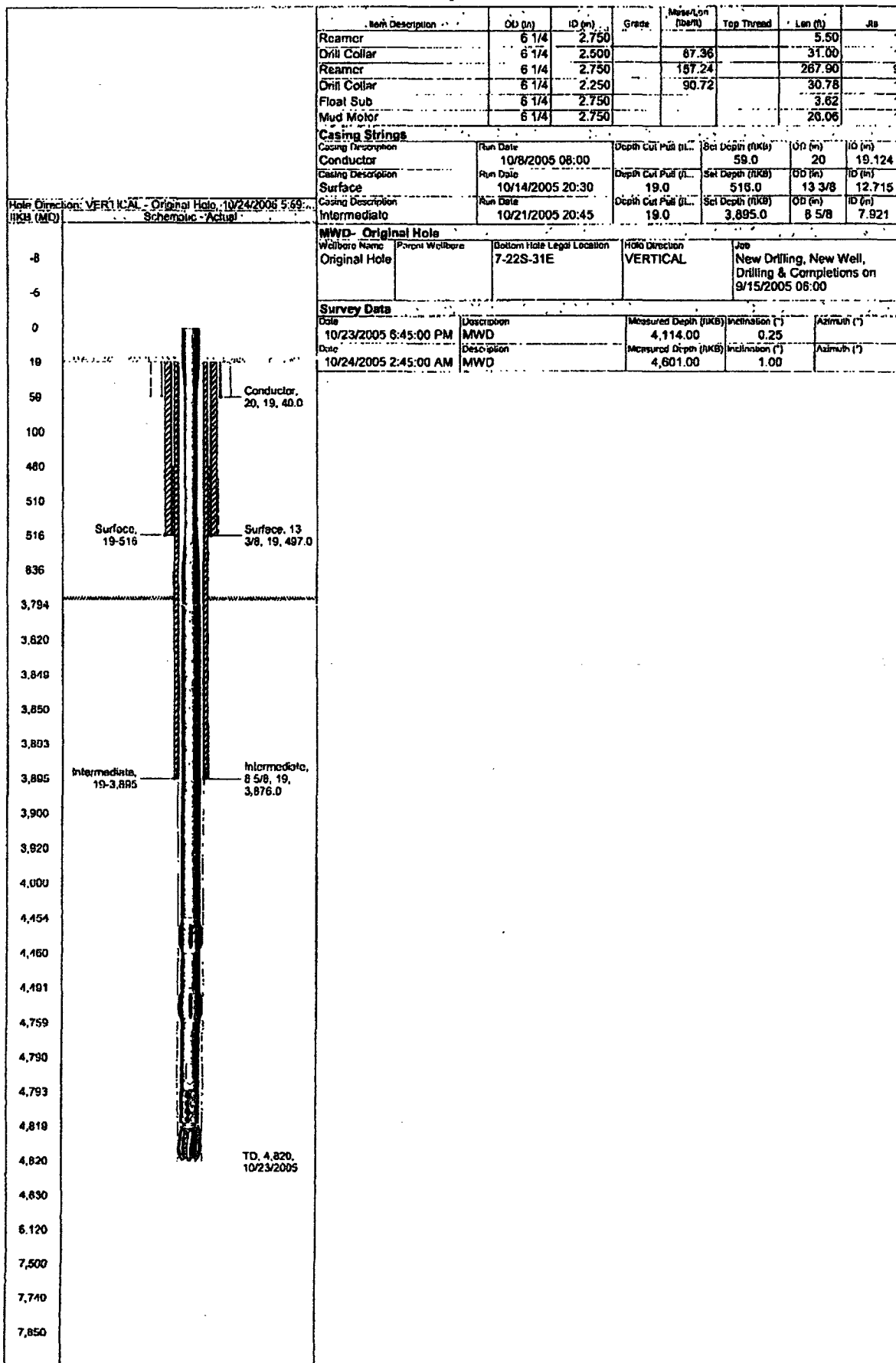
s Daily Drilling Report

Report Date: 10/24/2005

Report #: 16.0

LLAMA ALL FEDERAL #4

Day # 10



YATES PETROLEUM CORPORATION
DAILY DRILLING REPORT

Well Name	Llano ALL Federal # 4		Location	330' FSL & 1,650' FWL - S7 T22S R31E	
Date	10/25/04	Rig	PATT - UTI # 142	Present Operation	DRLG. @ 45' PER HR.
Day No.	11	Formation	CHERRY CANYON	Lithology	SAND, SHALE & DOLOMITE
Depth ft	6,085	Previous Depth	4,820	Proposed TD	7850
Made	1,265	ft in	21	hrs	Drilling rate of 60.24 ft. per hr.
Weight	8.7	Chlorides	Calcium	Solids	L.C.M.
VIS. Fun.	28	P.V.	Y.P.	Gels	PH 11
Water loss		Filter Cake	KCL %	Oil %	Nitrates
Average	14 UNITS	Maximum	258 UNITS	Connection	NONE
		Mud additions last 24 hours	Product & Quantity	Trip	NONE
		C-202 8390	CLTD-50	CLTD-120	Flare
		12 gals.	5 gals.	16 gals.	2 1/2 gals.

Bit Record

WOB	10	RPM	50	Cumulative Rotating Hours	157 1/2
Dull Bit No.		Size		Ser. No.	Jets
Depth Out		Made		hrs. Ft/hr	Dull Gr.
Present Bit #	3	Size	7 7/8	Ser. No.	Jets
Depth In	3895	Made	2,190	hrs.	5-15's
			35 1/2	Avg. R/hr.	81.69

Pumps

BOP Information

Hole Drag and Condition Info.

Mud Pump	No. 1	No. 2	Deepest Casing Set	String Weight	Trip Conditions
Make	EMSCO	EMSCO	Size	Neutral	Tight Spots Out
Liner	6"	6"	Depth	Pick Up	Depth
Stroke	16"	16"	Min. Burst	Stack Off	Over Pull
SPM	60		Shoe test	Rotating Torque	
GPM	378		Equiv. Mud Weight	Neutral	
Pump psi	1550		Date Last BOP Check	Pick Up	Takes Weight trip In
Slow Pump Rate			Pressure Tested To	Stack Off	
SPM	32		BOP Drill & Function	Last Date BHA	
Pump psi	600		Drill String Vol. Bbls.	Inspected	Ft. of Fill
			Annular Vol. Bbls.		

Drill String and Bottom Hole Assembly Configuration

Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	Cumulative ft. from top of collars
4 1/2	16.6	EMSCO	3	4 1/2 X-H		6 1/4	5,300.44	5,300
								5,300
								5,300

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	Cumulative feet from bit
MOTOR	1	6 3/8	3				26.06	26.06
F.SUB	1	6 1/2	3	X-H			2.85	28.91
D.C.	1	6 1/4	2 5/16	X-H			30.7	59.61
RMR	1	6 1/2	2	X-H			6.42	66.03
D.C.	1	6 1/4	2 5/16	X-H			31	97.03
RMR	1	6 1/2	2	X-H			5.55	102.58
D.C.'s	22	6 1/4	2 5/16	X-H			660.5	763.08
								763.08
							Total	763.08

Report of Operations

Drilling Costs

Hours	Item	Daily
4 1/4 8:00 - 10:15	Drilling Footage	
1/2 10:15 - 10:45	Drilling Daywork	\$16,500
2 1/2 10:45 - 1:15	Water	
1/2 1:15 - 1:45	Drilling Mud	
1/2 1:45 - 2:15	Cum. Mud Cost	\$6,580
1/4 2:15 - 2:30	Mud Logging Unit	\$850
1/4 2:30 - 2:45	Cement all strings	
1/2 2:45 - 3:15	Drill Stem Tests	
1/2 3:15 - 3:45	Electric Logs	
8 1/2 3:45 - 12:15	Bits, Supplies	
1/2 12:15 - 12:45	Casing & Well Head	
3 1/4 12:45 - 4:00		
1/2 4:00 - 4:30		
1 1/2 4:30 - 6:00	Other	
	Cum. Daily Costs	\$17,150
	Total Well Costs	\$28,510
	Time Category	Hrs.
	Rotating	
	Drig.(non rotating)	
	Csg. & Cmt.	
	Evaluation	
	Unscheduled Events	

24

Drilling Supervisor BOBBY GRICE

Tool Pusher LARRY SMITH

DUNN LOGGING SERVICE MORNING REPORT

COMPANY: YATES PETROLEUM CORP.
 WELL: LUNA "ALL" FEDERAL 4
 COUNTY: EDDY STATE: NM
 DATE: 10-26-2005 REPORT NO.: 3 REPORT TIME: 11:00 PM
 DEPTH: 6458
 FOOTAGE SINCE LAST REPORT: 698 AVG ROP: 1.8 min/ft, 36 f/hr
 PRESENT OPERATIONS: drilling
 LAGTIME: 24 SURVEY: 6228 134
 FORMATION: BRUSHY CANYON NEXT TOP: BONESPRINGS LIME
 LITHOLOGY: SAND SHALE

MUD PROPERTIES: WT: 8.7 VIB: 28 FIL: CK: PHL: 11 CHL:
 DRILLING PARAMETERS: WOB: 10/15 RPM: 60 PP: 1700 SPAL: 60
 HW C1 C2 C3 C4 C5
 Background Gas: 89 74 31 24 1 3
 Max Formation Gas: 83 163 78 51 0 7
 Max Gd/Dv/G Gas: 0 0 0 0 0 0
 Tip Gas: 0 0 0 0 0 0
 COMMENTS:
 AT: 0159
 AT: 0
 AT: 0

YATES PETROLEUM CORPORATION
DAILY DRILLING REPORT

Well Name	Llano ALL Federal # 4			Location	330' FSL & 1,650' FWL - S7 T228 R31E		
Date	10/26/04	Rig	PATT - UTI # 142	Present Operation	ORLG @ 30' - 35' PER HR.		
Day No.	12	Formation	BRUSHY CANYON	Lithology	SAND & SHALE		
Depth ft	8,647	Previous Depth	6,085	Proposed TO	7850		
Made	582	ft in	22 1/4 hrs	Drilling rate of	25.28 ft. per hr.		
			Mud				
Weight	8.7	Chlorides	Calcium	Solids	L.C.M.		
VIS. Fun.	28	P.V.	Y.P.	Gels	PH 10		
Water loss		Filter Cake	KCL %	Oil %	Nitrites		
			Mud Gas				
Average	69 UNITS	Maximum	83 UNITS	Connection	NONE	Trip	NONE
							Flare NONE
		Mud additions last 24 hours		Product & Quantity			
		C-202	9390	CLTD-50	CLTD-120 CAUSTIC		
		12 gals.	5 gals.	15 gals.	2 1/2 gals. 4 sk		

Bit Record

WOB	10	RPM	50-60	Cumulative Rotating Hours			179.75
Dull Bit No.		Size		Type	Ser. No.		Jets
Depth Out		Made		Rt in.	hrs. Fthr		Dull Gr.
Present Bit #	3	Size	7 7/8	Type	Ser. No.	2676	Jets
Depth in	3895	Made	2.752	Rt in	hrs.	Avg. ft./hr.	5-15's
					57.75		47.65

Pumps BOP Information

Mud Pump Make	No. 1	No. 2	Deepest Casing Set			String Weight		Trip Conditions	
	EMSCO	EMSCO	Size	Depth	Min. Burst	Neutral	165K	Tight Spots Out	
Liner	6"	6"	8.625	3,086	2,950	Pick Up	168K	Depth	Over Pull
Stroke	16"	16"	Shoe test.			Slack Off	162K		
SPM		60	Equiv. Mud Weight			Rotating Torque			
GPM		378	Date Last BOP Check			Neutral	NONE		
Pump psi		1590	Pressure Tested To			Pick Up		Takes Weight trip in	
Stow Pump Rates			BOP Drill & Function			Slack Off			
SPM		32	Drill String Vol. Bbls.			Last Date BHA			
Pump psi		550	Annular Vol. Bbls.			Inspected		Ft. of Fill	

Drill String and Bottom Hole Assembly Configuration

[illegible]

Bottom Hole Assembly

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from bit
MOTOR	1	6 3/8	3				26.06	28.06
F.SUB	1	6 1/2	3	X-H			2.85	28.91
D.C.	1	6 1/4	2 5/16	X-H			30.7	59.51
RMR	1	6 1/2	2	X-H			6.42	66.03
D.C.	1	6 1/4	2 5/16	X-H			31	97.03
RMR	1	6 1/2	2	X-H			5.53	102.56
D.C.'s	22	6 1/4	2 5/16	X-H			660.5	763.06
						Total	763.06	763.06

Report of Operations

Hours	Report of Operations		Drilling Costs	Daily
4	6:00 - 10:00	DRLG. F / 6,085' - 6,141'	Drilling Footage	
3/4	10:00 - 10:45	WLS. @ 6,069' - 1 3/4"	Drilling Daywork	\$16,500
6 1/2	10:45 - 6:15	DRLG. F / 6,141' - 6,300'	Water	\$100
1/2	5:15 - 5:45	WLS. @ 6,229' - 1 3/4"	Drilling Mud	
6 1/2	5:45 - 2:15	DRLG. F / 6,300' - 6,556'	Cum. Mud Cost	\$6,560
1/2	2:16 - 2:45	WLS. @ 6,484' - 1 3/4"	Mud Logging Unit	\$650
3 1/4	2:45 - 6:00	DRLG. F / 6,556' - 6,847'	Cement all strings	
			Drill Stem Tests	
			Electric Logs	
			Bits, Supplies	
			Casing & Well Head	
			Other	\$1,650
			Cum. Daily Costs	\$18,800
			Total Well Costs	\$45,960
			Time Category	Hrs.
			Rotating	
			Drig. (non rotating)	
			Ceg. & Cmt.	
			Evaluation	
24			Unscheduled Events	

Drilling Supervisor **BOBBY GRICE**

Tool Pusher LARRY SMITH & JACKIE JAMESON

COMPANY:	YATES PETROLEUM CORP.
WELL:	LLAMA "ALL" FEDERAL 4
COUNTY:	EDDY
DATE:	10-26-2005
STATE:	NM
REPORT NO.:	4
REPORT TIME:	10:54 PM
DEPTH:	7357
FOOTAGE SINCE LAST REPORT:	899
Avg ROP:	1.8 min/ft, 33 ft/hr
PRESENT OPERATIONS:	drilling
LAGTIME:	31
SURVEY:	6229 13/4
FORMATION:	BRUSHY CANYON
NEXT TOP:	BONESPRINGS LIME
LITHOLOGY:	SAND-SHALE
MUD PROPERTIES:	WT: 8.8 VIS: 28 FI: CK: PH: 11 CHL: 42K
DRILLING PARAMETERS:	WOB: 10 RPM: 60 PP: 1550 SPM: 60
	HW C1 C2 C3 C4 C5
Background Gas:	10 13 5 2 0 0
Max Formation Gas:	135 217 55 27 5 15
Max Cp/DUG Gas:	0 0 0 0 0 0
Trap Gas:	0 0 0 0 0 0
	AT: 6846 AT: 0 AT: 0

COMMENTS:

YATES PETROLEUM CORPORATION DAILY DRILLING REPORT

Well Name	Llano ALL Federal # 4			Location	330' FSL & 1,650' FWL - S7 T22S R31E		
Date	10/27/04	Rig	PATT - UTI # 142	Present Operation	DRLG. @ 30' PER HR.		
Day No.	13	Formation	BRUSHY CANYON	Lithology	SHALE & SAND		
Depth ft	7,580	Previous Depth	5,647	Proposed TD	7850		
Made	833	ft in	22 1/2 hrs	Drilling rate of	41.47 ft. per hr.		
Weight	8.8	Chlorides	42K	Calcium	1,600	Solids	1.30%
VIS. Fun.	29	P.V.	Y.P.	Gels		L.C.M.	PH 11
Water loss		Filter Cake	FILM	KCL %		Oil %	Nitrate
Average	10 UNITS	Maximum	136 UNITS	Connection	NONE	Trip	NONE
	9300	Mud additions last 24 hours		Product & Quantity		Flare	NONE
	5 gals.	C-202	CLTD-50	CLTD-120	GEL CAUSTIC		
		12 gals.	15 gals.	2 1/2 gals.	40 sx	3 sx	

Bit Record

WOB	15	RPM	80	Cumulative Rotating Hours	202.25
Dull Bit No.		Size		Ser. No.	Jets
Depth Out		Made		hrs. F/HR	Dull Gr.
Present Bit #	3	Size	7 7/8	Type	MS1675BZ
Depth In	3895	Made	3,885	Ser. No.	2878
				hrs.	Avg. ft/hr.
					45.92

Pumps

BOP

Hole Drag and Condition Info.

Mud Pump	No. 1	No. 2	Deepest Casing Set	String Weight	Trip Conditions
Make	EMSCO	EMSCO	Size	182K	Tight Spots Out
Liner	8"	8"	Depth	Pick Up	Depth
Stroke	16"	16"	Min. Borel	Slack Off	Over Pull
SPM		60	Shoe test	Rotating Torque	
GPM		379	Equiv. Mud Weight	Neutral	NONE
Pump psi		1700	Date Last BOP Check	Pick Up	Takes Weight trip in
Slow Pump Rates			Pressure Tested To	Slack Off	
SPM		32	BOP Drill & Function	Last Date BHA	
Pump psi		550	Drill String Vol. Bbls.	Inspected	Fl. of Fill
			Annular Vol. Bbls.		

Drill String and Bottom Hole Assembly Configuration

Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length	Cumulative ft. from top of collars
4 1/2	18.6	E	3"	4 1/2 X-H		6 1/4"	8,771.34	8,771
								6,771
								8,771
Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	Cumulative feet from bit
MOTOR	1	6 3/8	3				26.06	26.06
F.SUB	1	6 1/2	3	X-H			2.85	28.91
D.C.	1	6 1/4	2 5/16	X-H			30.7	59.61
RMR	1	6 1/2	2	X-H			6.42	66.03
D.C.	1	6 1/4	2 5/16	X-H			31	97.03
RMR	1	6 1/2	2	X-H			5.55	102.58
D.C.'s	22	6 1/4	2 5/16	X-H			680.6	783.08
							Total	783.08

Report of Operations

Drilling Costs

Hours	Item	Daily
3 1/4 8:00 - 8:15	Drilling Footage	
3/4 8:15 - 10:00	Drilling Daywork	\$18,500
10 1/4 10:00 - 8:15	Water	\$100
3/4 8:15 - 9:00	Drilling Mud	
9 9:00 - 6:00	Cum. Mud Cost	\$8,560
	Mud Logging Unit	\$650
	Cement all strings	
	Drill Stem Tests	
	Electric Logs	
	Bits, Supplies	
	Casing & Well Head	
	Other	\$1,550
	Cum. Daily Costs	\$18,600
	Total Well Costs	\$64,760
	Time Category	Hrs.
	Rotating	
	Drig. (non rotating)	
	Ceg. & Cmt.	
	Evaluation	
	Unscheduled Events	
24		

Drilling Supervisor

BOBBY GRICE

Tool Pusher

LARRY SMITH & JACKIE JAMESON

Well Name	Llama ALL Federal # 4				Location	330' FSL & 1,650' FWL - S7 T22S R31E			
Date	10/28/04		Rig	PATT - I TI # 142	Present Operation	LAY DOWN DRILL COLLARS			
Day No.	14		Formation	BONE SPRINGS	Lithology	SAND & SHALE			
Depth ft	7,850		Previous Depth	7,560	Proposed TD	7850			
Made	270		R in	8 1/2 hrs	Drilling rate of	31.76 ft. per hr.			
	Mud								
Weight	9.1	Chlorides	42K	Calcium	1,600	Solids	1.3	L.C.M.	
VIS. Fun.	29	P.V.		Y.P.		Gels		PH	11
Water loss:	7	Filter Cake	FILM	KCL %		Oil %		Nitrates	
	Mud Gas								
Average	Maximum		Connection		Trip		Flare		
	Mud additions last 24 hours				Product & Quantity				
	0300	C 203	CLTD-60	CLTD-120	STARCH	GFI	CAUSTIC		
	5 gals.	15 gals.	10 gals.	2 1/2 gals.	110 sx	30 sx	3 sx		

Bit Record

WOB	15-20	RTM	60	Cumulative Rotating Hours				710.76
Dull Bit No.		Size		Type	Ser. No.		Jobs	
Depth Out		Made		R In	hrs. Ft/hr		Dull Gr.	
Present Bit #	3	Size	7 7/8	Type	Ser. No.	2678	Jobs	6-15's
Dull In	3885	Made	3.955	R In	88.75	hrs.	Avg. R/hr.	44.96

Puentes

Mud Pump	No. 1		No. 2		Deepest Casing Set			String Weight		Trip Conditions	
	EMSCO	EMSCO	Size	Depth	Min. Burst	Neutral	185K	Tight	Spots Out		
Make	6"	6"	8.625	3895	2050	Pick Up	189K	Depth	Over Pull		
Stroke	16"	16"	Shoe last			Stack Off	180K				
SPM		60	Enquiv. Mud Weight			Rotating Torque					
GPM		379	Date Last BOP Check			Neutral	NONE				
Pump psi		1700	Pressure Tested To			3,000lbs.	Pick Up	Takes Weight trip in			
Shoe Pump			BOP Drill & Function			DAILY	Stack Off				
SPM		32	Drill String Vol. Bbls.			Last Date BHA					
Pump psi		550	Annular Vol. Bbls.			Inspected		Ft. of Fill			

Drill String and Bottom Hole Assembly Configuration

	Drill Pipe						Cumulative ft. from top of collars
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T.J. O.D.	Length
4 1/2"	16.8	E	3"	4 1/2 X-H		0 1/4"	7.060.69
"	"	"	"	"	"	"	7.061
"	"	"	"	"	"	"	7.061

Bottom Hole Assembly

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from bkt
MOTOR	1	6 3/8	3				28.06	28.06
F.S.R.	1	6 1/2	3	X-H			2.85	28.91
D.C.	1	8 1/4	2 5/16	X-H			30.7	59.61
RMR	1	6 1/2	2	X-H			6.42	66.03
D.C.	1	6 1/4	2 5/16	X-H			31	97.03
RMR	1	6 1/2	2	X-H			5.65	102.68
D.C.'s	22	8 1/4	2 5/16	X-H			660.5	763.08
						Total	763.08	763.08

Report of Operations

[illegible]

Drilling Costs

Item	Daily
Drilling Footage	
Drilling Daywork	\$16.50
Water	
Drilling Mud	
Cum. Mud Cost	\$6.50
Mud Logging Unit	\$55
Cement all strings	
Oril Stem Tests	
Electric Logs	
Bits, Supplies	
Casing & Well Head	
Other	\$1.55
Cum. Daily Costs	\$16.70
Total Well Costs	\$83.45
Time Category	Hrs.
Rotating	
Log (with running)	
Csg. & Cmt.	
Evaluation	
Unscheduled Events	

Drilling Supervisor BOBBY GRICE

TODI PUGHET LARRY SMITH & JACKIE JAMESON

Yates Petroleum Corporation

CASING REPORT

Production Casing (Loss String)

Section: 7 Township: 22S Range: 31E

Well Name: LAMA "ALL" FEDERAL #4

T.O. Hole Time: 3:15 PM

Date: 10/27/2005

Total Depth: 7,859

Hole Size: 7 7/8

Total Ran:	<u>185</u>	Jts.		Set at:	<u>7,859</u> As follows
a. Ran:	<u>7</u>	Jts.	<u>5 1/2", 17#, J-55, BRND, LT&C</u>	Total Feet:	<u>257.80</u>
b. Ran:	<u>178</u>	Jts.	<u>5 1/2", 15.50#, J-55, BRND, LT&C</u>	Total Feet:	<u>7,578.37</u>
c. Ran:	<u>1</u>	Jts.	<u>8 1/2", 17.00 #, J-55, BRND, LT&C</u>	Total Feet:	<u>42.91</u>
d. Ran:		Jts.		Total Feet:	
e. Ran:		Jts.		Total Feet:	
f. Ran:		Jts.		Total Feet:	
h. Ran:		Jts.		Total Feet:	
g. Ran:		Jts.		Total Feet:	
Totals:	<u>184</u>	Jts.		Total Feet:	<u>7879.08</u>

	Regular Guide Shoe	Set @:	
X 1.35	Float Shoe	Set @:	<u>7,867.85</u>
	Insert Float	Set @:	
X 1.22	Float Collar	Set @:	<u>7813.51</u>
	D.V. Tool(s)	Set @:	
	Bottom Marker	Set @:	
X 17.53	Top Marker	Set @:	<u>8,092.82</u>

Cemented As Follows

Stage #1: 800 SX 15-61-11C+ 5%BA10+6%LCM+ 5%FL52+ 2%SM6

Yield: 1.67 Weight: 13.2

Tailed In With: 100 SX H+10%A+2%CaCl

Yield: 1.18 Weight: 15.9

Plug Down @: 7:45 AM MST 10/28/05 Bumped To: 2,355 P.S.I. For 5 Mins.

Cement Circulated: NO Sacks Circulated Thru D.V. Tool: Hrs.

Stage #2:

Yield: Weight:

Tailed In With:

Yield: Weight:

Plug Down @: 7:45 AM MST 10/28/05 Bumped To: 2,355 P.S.I. For 5 Mins.

Cement Circulated: NO Sacks Circulated Thru D.V. Tool: Hrs.

Stage #3:

Yield: Weight:

Tailed In With:

Yield: Weight:

Plug Down @: Bumped To: P.S.I. For Mins.

Cement Circulated: Sacks Float and Casing Held (Y/N):

*IF CEMENT WAS NOT CIRCULATED, THE TOP OF CEMENT WAS CALCULATED TO: FEET

Rig Released @: 10:00 AM MST 10/28/05

Set 100,000 Pounds on Slips.

Comments: CENTRALIZERS @ # 1, 4, 7, 10, 13, 16, 19, 22, 25, 28, 31, 34, 37, 40, 43, 46, 49 & 52

NOTIFIED BLM THAT WE ARE RUNNING 5 1/2" CSG AND WILL CEMENT SAME.

NOTIFIED ME THAT HE WOULD NOT WITNESS CEMENT JOB.

Well Site Supervisor: BOBBY GRICE

Drilling Supervisor **BOBBY GRICE** **Tool Picher** **LARRY SMITH & JACKIE JAMESON**