



Washington

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

WRES:05:166
UFC:5486.00

30-015-34298

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

COO: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

With respect to the information in the attached reports, neither the U.S. Department of Energy nor its agents, representatives, or contractors makes any warranty, express or implied, concerning the accuracy or completeness of the information. Nor do they assume any legal liability or responsibility for the accuracy, completeness or usefulness of the information or represents that its use would not infringe privately owned rights.

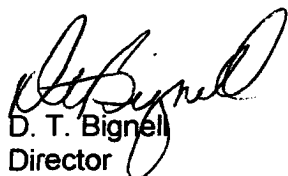
Mr. Bryan Arrant

-2-

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 #5
Yates Petroleum

Well Name	Llama ALL Federal #5			Location	330' FSL & 1650' FEL Sec 7 - T22s - R31e		
Date	10/8/2005	Rig	PAT - UTI # 76	Present Operation	Location finished / Stand by		
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. _____

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

[illegible]

Report of Operations		Drilling Costs	
Hours		Item	Daily
	Notified Van Barton with the Artesia OCD on intent to construct road, pad, and reserve pit.	Drilling Footage	
		Drilling Daywork	
		Water	
		Drilling Mud	
	Notified Paul Evans with the Carlsbad BLM on intent to construct road, pad, and reserve pit.	Cum. Mud Cost	
		Mud Logging Unit	
		Cement all strings	
	Wait on ONE CALL	Drill Stem Tests	
		Electric Logs	
	Dirt work = Onyx Construction	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

Well Name	LLAMA "ALL" FED. #5		Location	330' FSL & 1650' FEL - S7 T22S R31E	
Date	11/19/04	Rig	BUTCHES R.HOLE	Present Operation	WAIT ON ROTARY RIG
Day No.	1	Formation		Lithology	
Depth ft	40	Previous Depth		Proposed TD	
Made	40	R 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 _____	Rt in _____	hrs. Ft/hr _____	Dull Gr. _____	
Present Bit # _____	Size _____	Type _____	Ser. No. _____	Jets _____	
Depth In _____	Made _____	Rt 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		Shear Test			Slack Off		
SPM		Equiv. Mud Weight			Rotating Torque		
GPM		Date Last BOP Check			Neutral		
Pump psi		Pressure Tested To			Pick Up	Take 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	Fl. of Fill	

Size	Drill Pipe Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T.J. O.D.	Length	Cumulative ft. from top of collars
------	-------------------	-------	-----------	-----------	-----------	-----------	--------	------------------------------------

[illegible]

Hours	Report of Operations	Drilling Costs	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	Mrs.
			Rotating	
			Orig. (non rotating)	
			Csg. & Cmt.	
			Evaluation	
			Unscheduled Events	

Tool Pusher

Tool Pusher

Well Name	LLAMA "ALL" FED. #5		Location	330° FSL & 1650° FEL - S7 T22S R31E	
Date	10/27/05	Rig	PATT-UT1 # 78	Present Operation	RIGGING UP
Day No.	1	Formation		Lithology	
Depth ft	40	Previous Depth	40	Proposed TD	
Made		ft in	hrs	Drilling rate of	ft. per hr.
Weight		Mud			
VIS. Fun.	Chlorides	Calcium	Solids	L.C.M.	
Water loss	P.V.	Y.P.	Gels	PH	
	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	_____	Rt in	hrs. F/Uhr	_____	Dull Gr.
Present Bit #	_____	Size	_____	Type	Ser. No.	_____	Jets
Depth In	_____	Made	_____	Rt 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		
SPW		Equiv. Mud Weight			Rotating Torque		
GPM		Date Last BOP Check			Neutral		
Pump psi		Pressure Tested To			Pick Up	Takest Weight trip in	
Slow Pump Rates		BOP Drill & Function			Slack Off		
SPM ²⁴		Drill String Vol. Bbls.			Last Date BHA		
Pump psi		Annular Vol. Bbls.			Inspected	Ft. of Fill	

[illegible][illegible]

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	Mrs.
	Rotating	
	Drig. (non rotating)	
	Csg. & Cmt.	
	Evaluation	
	Unscheduled Events	

Tool Pusher DON FARMER & VICTOR HERNANDEZ

YATES PETROLEUM CORPORATION
DAILY DRILLING REPORT

Well Name	Uams All Federal #5		Location	330' FSL & 1,050' FEL - 57 T2S R31E	
Date	10/26/05	Rig	PATT-UT1 RIG #76	Present Operation	RUNNING 13 3/8" CSG.
Day no	2	Wellbore	NUETLER	Lighting	RED BED & ANHYDRITE
Depth ft	500	Previous Depth	105	Drilling rate of	19.73 ft per hr.
Made	365	ft in	18 1/2	Mud	
Weight	94	Chinides		Calcium	
VIS. Fun.	33	P.V.		Y.P.	
Water loss		Filter Cake		MT %	
Average		Maximum		Mud Gas	
		Mud additions last 24 hours		Connection	
		Product & Quantity		Trip	
		18 SK	50 SK	2 SK	

BRT Record		Hole Drag and Condition Info.							
Dull Bit No.	1	Size	1 1/2	Type	BRT-31	Ser. No.	179573	Join	2-18's
Depth Out	500	Mark	510	8 in	21.5	hrs. FTHR	23.77	Drill Hr	2-2-1
Present Bit #	1	Size	17 1/2	Type	BRT-24	Ser. No.	172573	Join	3-18's
Depth in	50	Made	510	8 in	21.5	Avg. S.A.	23.77		
Pumps		BOP Information		Hole Drag and Condition Info.					
Mud Pump	No. 1	No. 2	Deepest Casing Set	String Weight	Trip Conditions				
Main	F. Ann	F. Ann	Size	Depth	Min. Drag				
Liner	6 1/2	6 1/2	20	60	Neutral				
Stroke	10"	6"	Shoe test	Start Off	Pick Up				
SPM		115	Equiv. Mud Weight	Rotating Torque	75K				
OPM		364	Date Last DOP Check	Neutral -	Start Off				
Pump psi		1181	Pressure (PSI) in	Pick in	75K				
Power Pump rpm			Drill String Vol. Bbls.	Drill String	75K				
SPM			Annular Vol. Bbls.	Last Date BHA	75K				
Pump psi			Inspected	21.5	Fl. of Fill				

Drill String and Bottom Hole Assembly Configuration

Drill Pipe							Cumulative ft. from top of collar
Size	Weight	Grade	Tube I.D.	T.J. Type	T.J. I.D.	T. J. O.D.	Length
4 1/2	16.6	C					111.70
							02
							32
							32
Bottom Hole Assembly							
Item	Quantity	O.D.	I.D.	Thread	Grade	Length	Cumulative feet from bit
BL	1	17 1/2				10.45	11.45
N.B. RMR	1	17 1/2				10.45	21.90
3.SUB	1	8"				2.75	24.65
U.V.	1	8"				2.75	27.40
IBS	1	17 1/2				5.82	33.22
WT	1	8"				2.27	35.49
A. J. V. H. R.	3	5 1/4				01.88	37.37
						Total	482.57

Report of Operations

Hours	Report of Operations	Drilling Costs
3 1/2 6:00 - 8:30	DRILL F / 195' - 255'	Drilling Footage
1 1/4 8:30 - 9:45	WLB @ 208' - 34'	Drilling Daywork
6 1/2 9:45 - 4:15	DRILL F / 255' - 405'	Water
1 1/4 4:15 - 4:30	WLB @ 380' - 1'	Drilling Mud
0 4/2 4:00 - 1:00	DRILL F / 405' - 550'	Cum. Mud Cost
1 1:00 - 2:00	CIR. TO RUN 13 3/8" CSG.	Mud Logging Unit
2 2:00 - 4:00	TRIP OUT & LAY DOWN BHA	Cement all strings
2 4:00 - 8:00	RUN 13 JT'S 13 3/8" CSG.	Drill Stem Tests
		Electric Logs
		Bits, Supplies
		Casing & Well Head
		Other
		Cum. Daily Costs
		Total Well Costs
		Time Category
		Rotating
		Phys. (non rotating)
		Csg. & Cmt
		Evaluation
		Unscheduled Events

Drilling Supervisor BOBBY GRICE

Tool Pusher DON FARMER & VICTOR HERNANDEZ

Yates Petroleum Corporation
Surface Casing ReportWell Name: LLAMA "ALL" FEDERAL #5 By: BOBBY GRICESection 7 Township: 22S Range: 31ESpud / Resume Drilling Time: 3:00 AM MST Date: 10/28/2005T.D. Time: 1:00 AM MST Date: 10/29/2005Total Depth: 560Casing Ran: 13 Joints: 13 3/8" 48# H-40 ST&CTotal Feet of Casing: 567.54**Check One**

☒ X 1.65	Texas Pattern Guide Shoe	Set @:	<u>565.99</u>
	Regular Guide Shoe	Set @:	
	Other	Set @:	
	Insert Float	Set @:	
☒ X 1.87	Float Collar	Set @:	<u>520.49</u>
	Other	Set @:	

Cement Slurry:

LEAD: 350 SX CLASS C + 1/4# FLOCELE+2%CaClYield: 1.35 Weight: 14.8

LEAD:

Yield: Weight: TAIL: 250 SX CLASS C + 2% CaClYield: 1.35 Weight: 14.8Plug Down: 7:45 AM MST Date: 10/29/2005Bumped Plug: Yes ☒ No: Pressure Bumped Plug to: 800 psi Float Hold Yes: No: ☒ XCement Circulated: 83 Sacks**Check One**X Nipple Up & Tested To: 1000 PSI. For: 5 Mins. Cut Off & Weld on Flow Nipple Other: Weld On Flange, No Rotating HeadReduced Hole To: 11" Required WOC Time: 24 Hours.Comments: CENTRALIZERS @ #1,4 & 7NOTIFIED BLM THAT WE ARE GOING TO SET 560' OF 13 3/8" CSG. & CEMENT SAME. BLM SAID THEY
WOULD NOT WITNESS CEMENT JOB.

Drilling Supervisor	<u>BOBBY GRICE</u>	Tool Pusher	DON FARMER & VICTOR HERNANDEZ
---------------------	--------------------	-------------	-------------------------------

YATES PETROLEUM CORPORATION
DAILY DRILLING REPORT

Well Name	Llama ALL Federal # 5		Location	330' FSL & 1.650' FEL - S7 T228 R31E	
Date	10/31/06	Rig	PATT-UTL RIG # 76	Present Operation	TRIP IN HOLE
Day No.	4	Formation		Lithology	
Depth ft	560	Previous Depth	560	Proposed TD	Y850
Made	ft in	hrs		Drilling rate of	ft. per hr.
Weight	10	Chlorides	Mud	Solids	L.C.M.
VIS. Fun.	25	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	

Bit Record

JOB _____		RPM _____	Cumulative Rotating Hours _____		21.5
Dull Bit No. _____	Size _____	Type _____	Ser. No. _____		Jets _____
Depth Out _____	Made _____	A In _____	hrs. FVhr _____		Dull Gr. _____
Present Bit # _____	Size _____	Type _____	Ser. No. _____		Jets _____
Depth In _____	Made _____	R In _____	hrs. _____		6-10's _____
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	F-1000	F-800	Size	Depth	Min. Burst	Tight Spots Out
Liner	5 1/2	5 1/2	13.375	560		Depth
Stroke	10"	8"	Shoe Test		Neutral	Over Pull
SPM			Equiv. Mud Weight		Slack Off	
GPM			Date Last BOP Check		Rotating Torque	
Pump psi			Pressure Tested To		Neutral	
Slack Pump Rates			BOP Drill & Function		Pick Up	Takes Weight trip In
SPM			Drill String Vol. Bbls.		Slack Off	
Pump psi			Annular Vol. Bbls.		Last Date SHA	
					Inspected	21.5
						Fl. 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	16.6	E						
Bottom Hole Assembly								Cumulative feet from bit
Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	
MOTOR	1	8"					29.57	29.57
F.SUB	1	8"					2.88	32.45
MONEL	1	8"					29.9	62.35
REAMER	1	8"					7.46	69.8
D.C.	1	8"					29	98.8
REAMER	1	8"					7.56	106.36
D.C.'s	11	8"					332.4	438.76
X-OVER	1	8 1/4"					2.27	441.03
D.C.'s	3	8 1/4"						
						Total	91.35	TBHA 533.38

Report of Operations

Hours			Item	Daily
12 1/2	6:00 - 8:30	NIPPLE UP	Drilling Footage	
1	8:30 - 7:30	TEST BOP 1000 psi.	Drilling Daywork	\$19,500
B	7:30 - 3:30	CHANGE OUT BLIND RAMS & CARRIER	Water	\$120
1/2	3:30 - 4:00	TEST BOP 1000 psi	Drilling Mud	
2	4:00 - 6:00	MAKE UP MWD.BHA & TRIP IN HOLE ORIENT TOOLS.	Cum. Mud Cost	
			Mud Logging Unit	
			Cement all strings	
			Drill Stem Tests	
			Electric Logs	
			Site. Supplies	
			Casing & Well Head	
			Other	\$1,840
			Cum. Daily Costs	\$17,480
			Total Well Costs	\$176,563
			Time Category	Hrs.
			Rotating	
			Dirg.(non rotating)	
			Ceg. & Cmtl.	
			Evaluation	
			Unscheduled Events	

Drilling Supervisor **BOBBY GRICE**

Tool Pusher DON FARMER & VICTOR HERNANDEZ

DAILY REPORT

October 31, 2005

age 1
 11/1/5 11:28:58 pm
 Version VER2.2.6

Job No.: JYT-0510-0183 WTWT AFE No.: Patterson #76 Company Men: Bobby Grice
 Operator: YATE PETROLEUM Location:
 Field: LLama "A" LL FED. #6 MWD Operator(s): Marty Shemidt
 Well: 05100183 Dir/Driller(s): Carlos Cervantes

LAST SURVEY

MD R	TVD R	Inc deg	Azi deg	N/S R	E/W R	Vertical Section R	DLS deg/100R
1010.00	1017.05	1.41	110.33	7.90(S)	15.07(E)	-7.90	0.34

BIT DATA

Manufacturer: Dowdell IADC: Model: TMS800B Length: 1.00 R
 Bit Type: PDC Depth In: 500.00 - 2020.00 (1511.00) R Gauge Length: 0.00 in
 Serial No.: D01803 Nozzles: 16(8) #32nd TFA: 1.178 in2
 Daily Hours: 19.00
 Total Hours: 19.00 Total FTG: 1511.00

BOTTOM HOLE ASSEMBLY

Run No.: 1 BHA No.: 1 Hole Size: 11"
 Assembly Type: Steerable System Reason Pulled: <undefined>
 Objective: Straight hole control

Motor Size / Type: 7.750 in / 7/8 4.8 1.93 Deg. 29 RPG Serial No.: 7436 Circulating: 19.00 hrs
 Sliding (1.3%): 8.00 R @ 0.25 hrs => 33.00 ft/hr Flow Rate: 114.00 gpm
 Rotating (98.7%): 1803.00 R @ 18.75 hrs => 80.16 ft/hr Press on Bot: 1000 psi SPM: 536.00
 Total Drilled: 1811.00 R @ 18.00 hrs => 79.53 ft/hr Press off Bot: 900 psi

ACTIVITY LOG

Date From: October 31, 2005 Time From: 06:00 Start Depth: 300.00 R
 Date To: November 1, 2005 Time To: 06:00 End Depth: 2020.00 R
 Total Hours Logged: 24.00 Total Drilled: 1511.00 R

END DATE	TIME	FROM R	TO R	ROP ft/hr	CODE	COMMENTS
10/31/05	06:00-07:15	300.00	500.00		TRIPIN	THH
10/31/05	07:15-09:30	500.00	965.00	24.89	DRILFS	Drill cement and float
10/31/05	09:30-09:30	505.00	505.00		ROTATE	Rotate 10K, 40 RPM
10/31/05	09:30-12:15	505.00	674.00	39.04	ROTATE	Rotate 10K 40 RPM
10/31/05	12:15-12:30	674.00	674.00		SURCON	Conn./ Survey @ 628 - 0.18 Inc. 113.47 Azi.
10/31/05	12:30-13:45	674.00	769.00	76.00	ROTATE	Rotate 15K, 70 RPM
10/31/05	13:45-14:00	769.00	769.00		SURCON	Conn./ Survey @ 723 - 0.44 Inc. 141.39 Azi.
10/31/05	14:00-16:00	769.00	861.00	92.00	ROTATE	Rotate 15K, 70 RPM
10/31/05	15:00-15:15	861.00	861.00		SURCON	Conn./ Survey @ 816 - .35 Inc. 162.23 Azi.
10/31/05	15:15-16:00	861.00	936.00	126.67	ROTATE	Rotate 16K, 70 RPM
10/31/05	16:00-16:15	936.00	936.00		SURCON	Conn./ Survey @ 910 - 0.35 Inc. 106.96 Azi.
10/31/05	16:15-17:00	936.00	1049.00	124.00	ROTATE	Rotate 16K, 70 RPM
10/31/05	17:00-17:15	1049.00	1049.00		SURCON	Conn./ Survey @ 1003 - 0.53 Inc. 112.94 Azi.
10/31/05	17:15-18:15	1049.00	1145.00	96.00	ROTATE	Rotate 15K, 70 RPM
10/31/05	18:15-18:45	1145.00	1145.00		SURCON	Conn./ Survey @ 1089 - 0.62 Inc. 110.83 Azi.
10/31/05	18:45-19:30	1145.00	1239.00	125.33	ROTATE	Rotate 16K, 70 RPM
10/31/05	19:30-19:45	1239.00	1239.00		SURCON	Conn./ Survey @ 1183 - 0.79 Inc. 113.82 Azi.
10/31/05	19:45-20:30	1239.00	1333.00	125.33	ROTATE	Rotate 15K, 70 RPM
10/31/05	20:30-20:48	1333.00	1333.00		SURCON	Conn./ Survey @ 1267 - 0.97 Inc. 112.50 Azi.
10/31/05	20:45-21:30	1333.00	1395.00	82.67	ROTATE	Rotate 15K, 70 RPM

DAILY REPORTPage 2
11/1/5 11:26:58 pm
Version VER2.2.6

October 31, 2005

Job No.: JMT-0510-0189 WTWI
Operator: YATE PETROLEUM
Field: LLama "A" LL. FSD. #5
Well: 05100189AFE No.: Patterson #76 Company Marc: Bobby Grice
Location:
MWD Operator(s): Marty Shemidt
Dir'l Driller(s): Carlos Cervantes

10/31/05	21:30-21:45	1395.00	1395.00	SURCON	Conn./ Survey @ 1349 - 1.06 Inc. 112.88 Azi.
10/31/05	21:45-22:45	1395.00	1489.00	94.00 ROTATE	Rotate 15K, 70 RPM
10/31/05	22:45-23:00	1489.00	1489.00	SURCON	Conn./ Survey @ 1443 - 1.14 Inc. 111.53 Azi.
10/31/05	23:00-23:45	1489.00	1583.00	125.33 ROTATE	Rotate 15K, 70 RPM
10/31/05	23:45-24:00	1583.00	1583.00	SURCON	Conn./ Survey @ 1537 - 1.14 Inc. 118.72 Azi.
11/01/05	00:00-00:45	1583.00	1677.00	125.33 ROTATE	Rotate 15K, 70 RPM
11/01/05	00:45-01:00	1677.00	1677.00	SURCON	Conn./ Survey @ 1632 - 1.49 Inc. 119.44 Azi.
11/01/05	01:00-01:30	1677.00	1709.00	64.00 ROTATE	Rotate 15K, 70 RPM
11/01/05	01:30-01:45	1709.00	1717.00	32.00 SLIDE	SLIDE DRILL BK 301 MTF.
11/01/05	01:45-02:30	1717.00	1771.00	72.00 ROTATE	Rotate 15K, 70 RPM
11/01/05	02:30-02:45	1771.00	1771.00	SURCON	Conn./ Survey @ 1725 - 1.14 Inc. 117.42 Azi.
11/01/05	02:45-03:30	1771.00	1864.00	124.00 ROTATE	Rotate 15K, 70 RPM
11/01/05	03:30-03:45	1864.00	1864.00	SURCON	Conn./ Survey @ 1818 - 1.41 Inc. 110.33 Azi.
11/01/05	03:45-06:00	1864.00	2020.00	69.33 ROTATE	Rotate 15K, 70 RPM

Today's Cost: \$ 7620
Total Cost To Date: \$ 15,608.00Operator: *Jay M. Baulte*
Directional Driller: *Jay M. Baulte*

Drilling Supervisor		BOBBY GRICE	Tool Pusher	DON FARMER & VICTOR HERNANDEZ
---------------------	--	-------------	-------------	-------------------------------

PathFinder Energy Services

Survey Report

Page 1
Job No: JMT-0510-0189 WTW
Date: 11/1/2005
Time: 4:44 am
Wellpath ID: 05100189
Data Created: 10/28/2005
Last Revision: 11/1/2005

Calculated using the Minimum Curvature Method
Computed using PDS VER2.2.6
Vertical Section Plane: 0.00 deg.

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

Yates Petroleum
LLama "A" LI. FED. #5
Patterson #78
Eddy County N.M.
05100189

Measured Depth (ft)	Incl (deg.)	Dir Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
THE FOLLOWING ARE PATHFINDER SURVEYS								
628.00	0.18	112.47	628.00	628.00	-0.39	0.99	113.47	0.03
723.00	0.44	141.39	723.00	95.00	-0.74	1.47	120.15	0.31
815.00	0.35	152.23	814.99	92.00	-1.20	2.05	127.91	0.13
910.00	0.35	108.96	909.98	95.00	-1.60	2.50	128.28	0.28
1003.00	0.53	112.94	1002.99	93.00	-1.65	3.20	124.48	0.20
1098.00	0.82	110.83	1098.98	95.00	-2.21	4.22	121.00	0.10
1193.00	0.79	113.82	1182.98	94.00	-2.65	5.37	119.84	0.19
1287.00	0.97	112.60	1286.97	94.00	-3.22	6.80	118.28	0.18
1349.00	1.08	112.88	1348.96	62.00	-3.84	7.90	117.47	0.16
1443.00	1.14	111.53	1442.94	94.00	-4.32	9.68	116.47	0.09
1537.00	1.14	116.72	1536.92	94.00	-5.08	11.56	116.09	0.11
1632.00	1.49	119.44	1631.90	95.00	-6.12	13.74	116.43	0.37
1725.00	1.14	117.42	1724.87	93.00	-7.14	15.67	116.72	0.38
1818.00	1.41	119.88	1817.85	93.00	-7.98	17.93	116.25	0.34

01/01/2005 19:42 5057030949

03

DAILY REPORT

Page 1

11/25 11:14:15 pm
Version VER2.2.6

November 1, 2005

Job No.: JMT-0010-0189 WTW7
Operator: YATE PETROLEUM
Field: El Lame "A" LL FED. #5
Well: 00100189AFE No.: Patterson #75 Company Man: Bobby Grice
Location:
MWD Operator(s): Marty Shorckl
Dir/ Driller(s): Carlos Cervantes**LAST SURVEY**

MD R	TVD R	Incl deg	Azi deg	N/S R	E/W R	Vertical Section R	OLS deg/100R
3038.00	3038.05	0.82	17.00	2.37(S)	34.48(E)	-1.37	0.38

BIT DATA

Manufacturer: Dowdco	IADC:	Model: T200005	Length: 1.00 R
Bit Type: PDC	Depth In: 1957.00 - 3117.00 (1160.00) R	Gage Length: 0.00 In	
Serial No.: 021905	Nozzles: 16/6 /32nd	TFA: 1.176 In2	
Daily Hours: 18.00			
Total Hours: 33.00	Total FTG: 2000.00		

BOTTOM HOLE ASSEMBLY

Run No.: 1	BHA No.: 1	Hole Size: 11"
Assembly Type: Steerable System	Reason Pulled: <undefined>	
Objective: Straight hole control		
Motor Size / Type: 7.750 In / 7/8 4.3 1.83 Deg. 29 RPM	Serial No.: 7436	Circulating: 16.00 hrs
Sliding (4.6%): 14.00 R @ 0.75 hrs => 18.57 R/hr		Flow Rate: 550.00 gpm
Rotating (5.2%): 1144.00 R @ 14.75 hrs => 77.59 R/hr	Press on Bot: 1475 psi	SPM: 100.00
Total Drilled: 1160.00 R @ 15.00 hrs => 74.84 R/hr	Press off Bot: 1300 psi	

ACTIVITY LOG

Date From: November 1, 2005	Time From: 08:00	Start Depth: 1957.00 R
Date To: November 2, 2005	Time To: 08:00	End Depth: 3117.00 R
	Total Hours Logged: 24.78	Total Drilled: 1160.00 R

END DATE	TIME	FROM R	TO R	ROP R/hr	CODE	COMMENTS
11/01/05	08:15-08:15	1957.00	2050.00	93.00	ROTATE	Rotate 15K, 70 RPM
11/01/05	08:15-08:30	2050.00	2050.00		SURCON	Conn./ Survey @ 2004 - 1.32 Inc. 91.49 Azi.
11/01/05	08:30-07:00	2050.00	2050.00	16.00	SLIDE	SLIDE DRILL 20K 271 MTF.
11/01/05	07:00-08:15	2050.00	2144.00	68.80	ROTATE	Rotate 15K, 70 RPM
11/01/05	08:15-08:30	2144.00	2144.00		SURCON	Conn./ Survey @ 2008 - 0.79 Inc. 95.10 Azi.
11/01/05	08:30-09:30	2144.00	2239.00	95.00	ROTATE	Rotate 15K, 70 RPM
11/01/05	09:30-09:45	2239.00	2239.00		SURCON	Conn./ Survey @ 2100 - 0.69 Inc. 92.02 Azi.
11/01/05	09:45-10:45	2239.00	2334.00	95.00	ROTATE	Rotate 15K, 70 RPM
11/01/05	10:45-11:00	2334.00	2334.00		SURCON	Conn./ Survey @ 2200 - 1.14 Inc. 97.01 Azi.
11/01/05	11:00-11:30	2334.00	2396.00	124.00	ROTATE	Rotate 15K, 70 RPM
11/01/05	11:30-14:15	2396.00	2396.00		OTHER	STANDBY WHILE RIG UNLOADS CASING
11/01/05	14:15-14:30	2396.00	2428.00	128.00	ROTATE	Rotate 20K, 70 RPM
11/01/05	14:30-14:45	2428.00	2428.00		SURCON	Conn./ Survey @ 2302 - 1.23 Inc. 79.01 Azi.
11/01/05	14:45-15:00	2428.00	2434.00	24.00	SLIDE	SLIDE DRILL 15K 250 MTF.
11/01/05	15:00-15:45	2434.00	2522.00	117.33	ROTATE	Rotate 20K, 70 RPM
11/01/05	15:45-16:00	2522.00	2522.00		SURCON	Conn./ Survey @ 2470 - 0.97 Inc. 69.28 Azi.
11/01/05	16:00-16:45	2522.00	2616.00	125.33	ROTATE	Rotate 20K, 70 RPM
11/01/05	16:45-17:00	2616.00	2616.00		SURCON	Conn./ Survey @ 2570 - 1.14 Inc. 63.02 Azi.
11/01/05	17:00-18:45	2616.00	2711.00	54.29	ROTATE	Rotate 20K, 70 RPM
11/01/05	18:45-19:00	2711.00	2711.00		SURCON	Conn./ Survey @ 2665 - 0.97 Inc. 65.48 Azi.

DAILY REPORT

November 1, 2005

Page 2
11/2/05 11:14:16 pm
Version VER2.0

Job No.: JMT-0010-0100 WTWT
Operator: YATE PETROLEUM
Field: LLama "A" LL FED. #6
Well: 00100100

AFE No.: Patterson #75 Company Man: Bobby Grist
Location:
MWD Operator(s): Marty Schmidt
Dir/Driller(s): Carlos Cervantes

11/01/05	19:00-20:45	2711.00	2803.00	62.67 ROTATE	Rotate 28K, 70 RPM
11/01/05	20:45-21:00	2803.00	2803.00	SURCON	Conn./Survey @ 2797-1.00 Inc. 56.45 Az.
11/01/05	21:00-23:00	2803.00	2896.00	48.50 ROTATE	Rotate 28K, 70 RPM
11/01/05	23:00-23:15	2896.00	2896.00	SURCON	Conn./Survey @ 2800-0.00 Inc. 39.30 Az.
11/01/05	23:15-24:00	2896.00	2896.00	56.00 ROTATE	Rotate 28K, 70 RPM
11/02/05	00:00-01:00	2896.00	2896.00	52.00 ROTATE	Rotate 28K, 70 RPM
11/02/05	01:00-01:15	2896.00	2896.00	SURCON	Conn./Survey @ 2844-0.70 Inc. 348.19 Az.
11/02/05	01:15-02:00	2896.00	3085.00	120.67 ROTATE	Rotate 28K, 70 RPM
11/02/05	02:00-02:15	3085.00	3085.00	SURCON	Conn./Survey @ 3039-0.62 Inc. 17.49 Az.
11/02/05	02:15-03:15	3085.00	3085.00	OTHER	WORK ON PUMPS
11/02/05	03:15-03:30	3085.00	3117.00	120.00 ROTATE	Rotate 28K, 70 RPM
11/02/05	03:30-06:00	3117.00	3117.00	OTHER	WORK ON PUMPS

Today's Cost: \$ 6,600
Total Cost To Date: \$ 22,200.00

Operator: [Signature]
Directional Driller: [Signature]

01/01/2005 19:42 5057830949

E 04

PathFinder Energy Services

Survey Report

Page 1
 Job No: JMT-0810-0188 WTWI
 Date: 11/2/2005
 Time: 4:21 am
 Wellpath ID: 05100109
 Date Created: 10/28/2005
 Last Revision: 11/2/2005

Calculated using the Minimum Curvature Method
 Computed using FDS VER2.2.8
 Vertical Section Plane: 0.00 deg.

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

Yates Petroleum
 Claims "A" LL FED. #6
 Patterson #78
 Eddy County N.M.
 05100109

Measured Depth (ft)	Incl (deg.)	DIR Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	Closure Dist. Or. (ft) (deg.)	DLS (deg/1000)
0.00	0.00	0.00	0.00	0.00	0.00	0.00 0.00	0.00
THE FOLLOWING ARE PATHFINDER SURVEYS							
629.00	0.18	113.47	628.00	628.00	-0.28	0.88 113.47	0.03
723.00	0.44	141.39	722.00	66.00	-0.74	1.47 120.15	0.21
815.00	0.35	152.23	814.89	82.00	-1.25	2.82 127.91	0.13
910.00	0.35	158.98	909.99	85.00	-1.80	2.88 128.28	0.29
1093.00	0.68	112.94	1092.98	89.00	-1.88	3.28 134.48	0.20
1098.00	0.82	118.63	1098.88	98.00	-2.21	4.22 121.80	0.10
1189.00	0.79	113.82	1182.98	84.00	-2.85	5.32 119.84	0.18
1287.00	0.97	112.58	1286.87	84.00	-3.22	6.80 116.28	0.16
1348.00	1.08	112.88	1348.98	82.00	-3.84	7.90 117.17	0.15
1443.00	1.14	111.53	1442.94	84.00	-4.32	8.88 118.47	0.09
1537.00	1.14	118.72	1536.82	84.00	-5.08	11.80 118.00	0.11
1632.00	1.48	118.44	1631.90	86.00	-6.12	13.74 116.43	0.37
1723.00	1.14	117.42	1724.87	89.00	-7.14	18.87 118.72	0.38
1818.00	1.41	118.33	1817.85	88.00	-7.98	17.53 118.35	0.34
1911.00	0.97	88.21	1910.83	83.00	-8.35	18.78 114.98	0.88
2004.00	1.32	91.48	2003.81	88.00	-8.38	21.48 112.91	0.38
2098.00	0.79	86.18	2097.79	84.00	-8.45	23.12 111.44	0.67
2192.00	0.88	82.02	2192.78	86.00	-8.58	24.48 119.44	0.11
2286.00	1.14	87.01	2287.77	86.00	-8.51	26.80 108.10	0.29
2382.00	1.23	78.01	2381.75	84.00	-8.27	27.78 107.33	0.20
2478.00	0.97	88.28	2475.73	84.00	-7.79	28.28 105.44	0.34
2570.00	1.14	88.82	2569.72	84.00	-7.88	30.64 103.38	0.22
2665.00	0.97	88.48	2664.70	98.00	-8.33	32.67 101.40	0.19
2757.00	1.08	88.45	2756.89	82.00	-9.38	33.28 99.81	0.17
2850.00	0.88	38.38	2848.87	88.00	-4.88	34.38 97.83	0.28
2944.00	0.70	348.19	2943.88	84.00	-3.43	34.52 95.71	0.73
3039.00	0.82	17.49	3038.88	86.00	-2.37	34.48 93.86	0.38

**YATES PETROLEUM CORPORATION
DAILY DRILLING REPORT**

Well Name	Llano All Federal #5		Location	330' FSL & 1,050' FEL - S7 T22S R31E	
Date	11/2/05	Rig	PAT-UTI RIG # 78	Present Operation	DRLG @ 90' PER HR.
Day No.	8	Formation	SALT BEDS	Lithology	SALT
Depth ft	3,145	Previous Depth	2,020	Proposed TD	7850
Made	1,125	R in	17 3/4	Drilling rate of	63.38 ft. per hr.
Weight	10.1	Chlorides	182K	Calcium	Solids 0.80% L.C.M.
Vib. Fun.	29	P.V.		Y.P.	Gels PH 11
Water loss		Filter Cake		KCL %	Oil % Nitrates
Average		Maximum		Mud Gas	Connection Trip Flare
		Mud additions last 24 hours		Product & Quantity	
		CAUSTIC			
		11 SX			

Bit Record

WOB	25-30	RPM	70-88	Cumulative Rotating Hours	60
Dull Bit No.		Size		Ser. No.	Jets
Depth Out		Mode		hrs. F/hr	Dull Gr.
Present Bit #	2	Size	11	Type	D2190
Depth in	560	Made	2,685	R in	38.5
				Ser. No.	TM 6888
				hrs.	Avg. R/hr.
					67.14

Pumps		BOP Information		Hole Drag and Condition Info.	
Mud Pump	No. 1	No. 2	Deepest Casing Set	String Weight	Trip Conditions
Make	F-1000	F-800	Size	110K	Tight Spots Out
Line	5 1/2	5 1/2	Depth	110K	Depth
Spkld	10"	9"	Min. Burst	110K	Over Pull
SPM	118		Shoe test	Rotating Torque	
GPM	399		Equiv. Mud Weight	Neutral	NONE
Pump psi	900		Date Last BOP Check	Neutral	
Slow Pump			Pressure Tested To	Pick Up	Takes Weight trip in
SPM			BOP Drill & Function	Slack Off	
Pump psi			Drill String Vol. Bbls.	Last Date BHA	
			Annular Vol. Bbls.	Inspected	80
					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 collar
A 1/2	20#	E	3.78	X-H	6 3/8		280.99	281
4 1/2	18.6	E	3.78	X-H	6 3/8		2,287.01	2,568
								2,568

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	Cumulative feet from bit
MOTOR	1	8	3				28.67	28.67
F SUB	1	8	3				2.88	31.55
MONEL	1	8	2 3/4				28.9	60.45
REAMER	1	8	2 7/8				7.45	67.9
D.C.	1	8	2 3/4				29	96.9
REAMER	1	8	2 7/8				7.58	104.48
D.C.'s	11	8	2 3/4				332.4	436.88
X-OVER	1	8 1/4	2 1/4				2.27	439.15
D.C.'s	3	6 1/4	2 1/4					441.42
							Total	441.03 TBHA 533.38

Report of Operations

Hours	Item	Drilling Costs
1/4 8:00 - 8:15	DRLG. F / 2,020' - 2,050'	Drilling Footage
1/2 8:15 - 8:45	INSTALL ROTARY DRIVE BUSHINGS & ROTATING HEAD.	Drilling Daywork \$15,500
5 6:45 - 11:45	DRLG. F / 2,050' - 2,395'	Water \$120
2 1/2 11:45 - 2:15	RIG DOWN PATHFINDER & LOAD CSG. ON RACKS.	Drilling Mud
1/4 2:15 - 2:30	DRLG. F / 2,395' - 2,425'	Cum. Mud Cost
1/4 2:30 - 2:45	SERVICE RIG	Mud Logging Unit
1 1/2 2:45 - 2:15	DRLG. F / 2,425' - 3,085'	Cement all strings
1 2:15 - 3:15	WORK ON PUMPS	Drill Stem Tests
1/4 3:15 - 3:30	DRLG. F / 3,085' - 3,117'	Electric Logs
2 3:30 - 5:30	WORK ON PUMPS	Bits, Supplies
1/2 5:30 - 6:00	DRLG. F / 3,117' - 3,145'	Casing & Well Head
		Other \$1,840
		Cum. Daily Costs \$17,460
		Total Well Costs \$213,483
		Time Category Hrs.
		Rotating
		Drp. (non rotating)
		Cap. & Cmt.
		Evaluation
		Unscheduled Events

Drilling Supervisor: **BOBBY GRACE** Tool Pusher: **DON FARMER & VICTOR HERNANDEZ**

01/02/2005 19:05 5057030949

E 04

DAILY REPORT

Page 2

11/3/05 11:24:34 pm

Version VER2.2.6

November 2, 2005

Job No.: JWT-0510-0189 WTWT

AFE No.: Patterson #76

Company Man:

Operator: YATE PETROLEUM

Location:

Field: LLama "A" LL FED. #5

MWD Operator(s):

Well: 05100189

Dir'l Driller(s):

11/02/05	22:00-22:15	3618.00	3618.00	SURCON	CONN./SUR. @ 3572 - 1.14 INC. 88.29 AZ.
11/02/05	22:15-23:00	3618.00	3681.00	84.00 ROTATE	ROTATE 10K 70 RPM
11/02/05	23:00-23:15	3681.00	3681.00	SURCON	CONN./SUR. @ 3635 - 1.14 INC. 84.11 AZ.
11/02/05	23:15-24:00	3681.00	3701.00	26.67 ROTATE	ROTATE 18K 70 RPM
11/03/05	00:00-02:00	3701.00	3744.00	21.50 ROTATE	ROTATE 18K 70 RPM
11/03/05	02:00-02:15	3744.00	3744.00	SURCON	CONN./SUR. @ 3698 - 1.14 INC. 85.34 AZ.
11/03/05	02:15-04:15	3744.00	3807.00	31.50 ROTATE	ROTATE 18K 70 RPM
11/03/05	04:15-04:30	3807.00	3807.00	SURCON	CONN./SUR. @ 3761 - 1.06 INC. 101.25 AZ.
11/03/05	04:30-06:00	3807.00	3880.00	48.67 ROTATE	ROTATE 30K 70 RPM

Today's Cost: \$ 7,230Total Cost To Date: \$ 29,438.02

Operator:

Directional Driller:

Greg M. Booth

YATES PETROLEUM CORPORATION DAILY DRILLING REPORT

Well Name	Lima ALL Federal # 5		Location	330 FSL & 1,850 FEL - S7 T228 R31E	
Date	11/03/05	Rig	PATT-UTI RIG # 76	Present Operation	DRLG @ 45' - 60' PER HR
Day No.	7	Formation	BELL CANYON	Uthology	ANHYDRITE & SALT
Depth ft	3,930	Previous Depth	3,145	Proposed TD	7850
Made	785	ft in	10 1/2	hrs	Drilling rate of 47.58 ft per hr.
Wright	10	Chlorides	182K	Calcium	Solids 0.60% L.C.M.
VIS. Fun.	29	P.V.		Y.P.	Gels PH 11
Water loss		Filter Cake		KCL %	Nitrates
Average		Maximum		Connection	Trip
		Mud additions last 24 hours		Product & Quantity	Flare

CAUSTIC

4 sz

Bit Record

WOB	30	RPM	70-150	Cumulative Rotating Hours	76.5
Dull Bit No.		Size		Ser. No.	Jets
Depth Out		Made		hrs. Fyhr	Dull Gr.
Present Bit #	2	Size	11	Type	D2190 Ser. No. TM 5858 Jets 8-10's
Depth In	560	Made	3,370	ft in	hrs. Avg. R/hr. 61.27

Pumps		BOP Information		Hole Drag and Condition Info.	
Mud Pump	No. 1 No. 2	Deepest Casing Set	String Weight	Trip Conditions	
Make	F-1000 F-800	Size	Depth 580 Min. Burst 1730	Neutral 120K	Tight Spots Out
Liner	5 1/2 5 1/2	Shoe test		Pick Up 120K	Depth
Stroke	10" 9"	Equiv. Mud Weight		Slack Off 120K	Over Pull
SPM	94 104	Date Last BOP Check		Rotating Torque	
GPM	275 275	Pressure Tested To	1000 psi	Pick Up	Takes Weight trip in
Pump psi	1800	BOP Drill & Function		Slack Off	
Slow Pump F		Drill String Vol. Bbls	48	Last Date BHA	
SPM		Annular Vol. Bbls	335	Inspected	76 1/2 Ft. of Fill 10'
Pump psi					

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	20W	E	3.78	X-H	6 3/8		280.89	281
4 1/2	18.8	E	3.78	X-H	6 3/8		3,088.88	3,370
								3,320

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft.	Grade	Length	Cumulative feet from bit
MOTOR	1	8	3				28.57	28.57
JF SUB	1	8	3				2.68	32.46
MONEL	1	8	2 3/4				29.9	62.35
REAMER	1	8	2 7/8				7.45	69.8
D.C.	1	8	2 3/4				29	98.8
REAMER	1	8	2 7/8				7.68	106.38
D.C. 1	11	8	2 3/4				332.4	438.78
XOVER	1	8 1/4	2 1/4				2.27	441.05
D.C. 1	3	8 1/4	2 1/4					533.38
							Total	61.36

Report of Operations

Hours	Report of Operations	Drilling Costs
5	8:00 - 11:00 DRLG. F / 3,145' - 3,460'	Drilling Footage
4	11:00 - 3:00 TRIP OUT TO CHANGE MUD MOTOR	Drilling Daywork
2 3/4	3:00 - 5:45 PICK UP MOTOR & TRIP IN HOLE	Water
3/4	5:45 - 6:30 WASH BIT TO BOTTOM 10' OF FILL	Drilling Mud
11 1/2	6:30 - 8:00 DRLG. F / 3,460' - 3,930'	Cum. Mud Cost
		Mud Logging Unit
		Cement all strings
		Drill Stem Tests
		Electric Logs
		Pits, Supplies
		Casing & Well Head
		Other
		Cum. Daily Costs
		Total Well Costs
		Time Category
		Rotating
		Drp. (non rotating)
		Csg. & Cmt.
		Evaluation
		Unscheduled Events

Drilling Supervisor **BOBBY GRICE** Tool Pusher **DON FARMER & VICTOR HERNANDEZ**

01/02/2005 19:05 5057030949

E 02

PathFinder Energy Services

Survey Report

Page 1

Job No: JWT-0510-0189 WTW

Date: 11/3/2005

Time: 4:52 am

Wellpath ID: 05100189

Date Created: 10/29/2005

Last Revision: 11/3/2005

Calculated using the Minimum Curvature Method
 Computed using PDS VER2.2.6
 Vertical Section Plane: 0.00 deg.

Survey Reference: WELLHEAD

Vertical Section Reference: WELLHEAD

Closure Reference: WELLHEAD

TVD Reference: WELLHEAD

Yates Petroleum
 LLama "A" LL FED. #5
 Patterson #78
 Eddy County N.M.
 05100189

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	Closure Dist. Dir. (ft) (deg.)	DLS (dg/100ft)
0.00	0.00	0.00	0.00	0.00	0.00	0.00@ 0.00	0.00
THE FOLLOWING ARE PATHFINDER SURVEYS							
628.00	0.18	113.47	628.00	628.00	-0.38	0.96@113.47	0.03
723.00	0.44	141.39	723.00	95.00	-0.74	1.47@120.15	0.31
815.00	0.35	152.23	814.99	92.00	-1.28	2.05@127.91	0.13
810.00	0.35	106.96	809.99	95.00	-1.60	2.56@128.28	0.28
1005.00	0.53	112.94	1002.99	83.00	-1.85	3.28@124.46	0.20
1098.00	0.62	110.83	1098.99	96.00	-2.21	4.22@121.60	0.10
1193.00	0.79	113.82	1192.98	94.00	-2.65	5.37@118.64	0.18
1287.00	0.97	112.50	1286.97	94.00	-3.22	6.80@118.28	0.19
1348.00	1.08	112.68	1348.98	62.00	-3.64	7.90@117.47	0.15
1443.00	1.14	111.53	1442.94	94.00	-4.32	8.66@116.47	0.09
1537.00	1.14	110.72	1536.92	94.00	-5.08	11.56@116.09	0.11
1632.00	1.49	119.44	1631.90	95.00	-6.12	13.74@116.43	0.37
1725.00	1.14	117.42	1724.87	93.00	-7.14	15.87@116.72	0.38
1818.00	1.41	110.33	1817.85	93.00	-7.96	17.93@116.35	0.34
1911.00	0.97	89.21	1910.83	93.00	-8.35	19.78@114.86	0.66
2004.00	1.32	91.49	2003.81	83.00	-8.38	21.48@112.91	0.38
2098.00	0.79	95.10	2097.79	94.00	-8.45	23.12@111.44	0.57
2193.00	0.88	92.02	2192.78	95.00	-8.53	24.44@110.44	0.11
2288.00	1.14	87.01	2287.77	95.00	-8.51	26.00@109.10	0.29
2382.00	1.23	79.01	2381.75	94.00	-8.27	27.75@107.33	0.20
2476.00	0.87	68.26	2475.73	94.00	-7.79	29.25@105.44	0.34
2570.00	1.14	63.02	2569.72	94.00	-7.09	30.64@103.38	0.22
2665.00	0.97	65.48	2664.70	95.00	-6.33	32.01@101.40	0.18
2757.00	1.06	58.45	2756.68	92.00	-5.56	33.28@ 99.61	0.17
2850.00	0.88	39.38	2849.67	93.00	-4.56	34.30@ 97.63	0.39
2944.00	0.70	349.19	2943.66	94.00	-3.43	34.52@ 95.71	0.73
3038.00	0.62	17.49	3038.66	95.00	-2.37	34.48@ 83.95	0.35
3133.00	0.53	68.01	3132.85	94.00	-1.71	34.96@ 82.80	0.61
3228.00	0.97	75.59	3227.65	95.00	-1.33	36.15@ 82.11	0.48
3322.00	1.06	49.48	3321.63	94.00	-0.57	37.56@ 80.87	0.50
3385.00	1.41	55.37	3384.62	63.00	0.25	38.94@ 89.63	0.59
3446.00	1.67	65.13	3445.58	61.00	1.05	40.08@ 88.50	0.60

01/02/2005 19:05 5057030949

E 03

PathFinder Energy Services

Page 2

Survey Report

Date: 11/3/2005

Wellpath ID: 05100189

Measured Depth (ft)	Incl (deg)	Drift Dir. (deg)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	Closure Dist. (ft)	Dir. (deg)	DLS (dg/100ft)
3509.00	1.08	82.93	3508.58	63.00	1.70	41.45@	87.65	0.97
3572.00	1.14	88.29	3571.58	63.00	2.20	42.57@	87.04	0.21
3635.00	1.14	84.11	3634.55	63.00	2.49	43.75@	88.74	0.50
3698.00	1.14	85.34	3697.54	63.00	2.61	45.05@	86.68	0.04
3761.00	1.06	101.25	3760.53	63.00	2.55	46.24@	86.84	0.50

Drilling Supervisor ROBERT SMITH **Tool Pusher VICTOR HERNANDEZ**

**YATES PETROLEUM CORPORATION
DAILY DRILLING REPORT**

Well Name	Llama ALL Federal # 5		Location	330' FSL & 1,650' FEL - S7 T22S R31E	
Date	11/05/05	Rig	PATT-UTI RIG # 76	Present Operation	DRILLING FORMATION
Day No.	10	Formation	CHERRY CANYON	Lithology	80% SAND-10% SHALE-10% SILTSTONE
Depth ft	8,250	Previous Depth	3,938	Proposed TD	7850
Made	2,312 ft in	18 1/4 hrs	Drilling rate of	126.88 ft. per hr.	
Mud					
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
Mud Gas					
Average	25 UNITS	Maximum	267 UNITS	Connection	50 UNITS
			Mud additions last 24 hours	Product & Quantity	Flare
LIME 8 SX EZ MUD 6 GAL MF-55 6 GAL GEL 35 SX					

Bit Record					
WOB	30	RPM	55	Cumulative Rotating Hours	94.75
Dull Bit No.		Size		Ser. No.	Jets
Depth Out		Made		hrs. Fyhr	Dull Gr.
Present Bit #	3	Size	7 7/8	Ser. No.	D-20583
Depth In	3830	Made	2,320	hrs.	127.12
Pumps					
Mud Pump	No. 1	No. 2	Deepest Casing Set		
Make	F-1000	F-800	Size	Depth	Min. Bural
Line	5 1/2	5 1/2	8.625	3930	3144
Stroke	10"	8"	Shoe test		
SPM	82	88	Equiv. Mud Weight		
GPM	240	232	Date Last BOP Check		
Pump psi	1900	1800	Pressure Tested To		
Slow Pump #			BOP Drill & Function		
SPM			Drill String Vol. Bbls.		
Pump psi			Annular Vol. Bbls.		
			137	Inspected	76.5
Hole Drag and Condition Info.					
			String Weight	Trip Conditions	
			Neutral	155,000	Tight Spots Out
			Pick Up	160,000	Depth
			Slack Off	150,000	Over Pull
			Rotating Torque		
			Neutral		
			Pick Up	Take Weight Trip In	
			Slack Off		
			5 Last Date BHA		
			Inspected	76.5	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	20	E		XH		6 1/4	280.99	281	
4 1/2	16.6	E		XH		6 1/4	4,979.34	5,260	
								5,260	
Bottom Hole Assembly									
Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	Cumulative feet from bit	
BIT	1						0.75		
MUD MOTOR	1	6 1/4	2 3/8				26.38	26.38	
FLOAT-SUB	1	6 1/4	2 3/8				3	29.38	
DC	1	6 1/4	2 3/8				29.78	59.16	
REAMER	1	8 1/4	2 3/8				5.66	64.72	
DC	1	6 1/4	2 3/8				31.18	95.9	
REAMER	1	6 1/4	2 3/8				5.75	101.65	
DC	28	6 1/4	2 3/8				772.83	874.28	
							Total	875.03	

Report of Operations		Drilling Costs	
Hours	Item	Item	Daily
2	TIH AND LAYDOWN 9 JTS DP	Drilling Footage	
3/4	DRLG CMT FLOAT AND SHOE	Drilling Daywork	\$15,500
1/4	DRLG F/3930-3934 RESUMED DRLG AT 8:30 AM MST 10-5-05	Water	
1/2	TEST SHOE 1000 PSI END 1000 PSI	Drilling Mud	
2 1/2	DRLG F/3934-4211	Cum. Mud Cost	
1/4	WLS @ 4164 MISS FIRE	Mud Logging Unit	\$650
1/2	DRLG F/4211-4243	Cement all strings	
1/4	WLS @ 4196 1 1/2 DEG	Drill Stem Tests	
3 3/4	DRLG F/4243-4714	Electric Logs	
1/2	WLS @ 4884 1 DEG	Bits, Supplies	\$8,500
3 3/4	DRLG F/4714-5215	Casing & Well Head	
1/2	WLS @ 5138 1 DEG		
3 1/2	DRLG F/5215-5686		
1/2	WLS @ 5610 1/2 DEG	Other	\$1,690
3 1/4	DRLG F/5686-6182	Cum. Daily Costs	\$26,340
1/2	WLS @ 6106 1/2 DEG	Total Well Costs	\$386,058
3/4	DRLG F/6182-6250	Time Category	hrs.
RESUMED DRILLING FORMATION AT 8:30 AM MST 10-5-05		Rotating	
		Orig. (non rotating)	
		Ceg. & Cmt	
		Evaluation	
		Unscheduled Events	
24			
Drilling Supervisor	ROBERT SMITH	Tool Pusher	VICTOR HERNANDEZ

Well Name	Llama ALL Federal # 5			Location	330' FSL & 1,650' FEL - S7 T22S R31E		
Date	11/7/05	Rig	PATT-UTI RIG # 78	Present Operation	DRUG		
Day No.	11	Formation	BRUSHY CANYON	Lithology	30%LIME 40%SAND 30%SHALE		
Depth ft	7,500	Previous Depth	6,250	Proposed TD	7850		
Meds	1,250	ft in	18 hrs	Drilling rate of	69.44 ft. per hr.		
Weight	8.7	Chlorides	40,000	Calcium	Solids	L.C.M.	
VIS. Fun.	28	P.V.		Y.P.	Gels	PH 11	
Water loss		Filter Cake		KCL %	Oil %	Nitrates	
				Mud Gas			
Average		Maximum		Connection	Trip	Flare	
				Mud additions last 24 hours	Product & Quantity		
LIME 3 SX MF-55 4 GAL				EZ MUD 4 GAL			

WOB	<u>25</u>	RPM	<u>60</u>	Cumulative Rotating Hours	<u>112.75</u>
Dull Bit No.	<u> </u>	Size	<u> </u>	Ser. No.	<u>Jets</u>
Depth Out	<u> </u>	Made	<u> </u>	hrs. P/Ur	<u>Dull Gr.</u>
Present Bit #	<u>3</u>	Size	<u>7 7/8</u>	TMS6B Ser. No.	<u>D-20683 Jets</u>
Depth in	<u>3830</u>	Made	<u>3,570</u>	hrs. Avg. R/Ur.	<u>98.48</u>
			<u>36.25</u>		

No. 1		No. 2		Deepest Casing Set			String Weight		Trip Conditions	
Mud, Pump	F-1000	F-800	Size	Depth	Min. Burst	Neutral		Tight	Spots Out	
Make	5 1/2	5 1/2	8.625	3900	3144	Pick Up		Depth	Over Pull	
Liner	10"	9"	Shoe test			Slack Off				
Stroke	82	88	Equiv. Mud Weight			Rotating Torque				
SPM	240	232	Date Last BOP Check			Neutral	180000			
GPM	2250	2280	Pressure Tested To			Pick Up	180000	Takes Weight trip in		
Pump psi			BOP Drill & Function			Slack Off	180000			
Slow Pump F			Drill String Vol. Bbls.			Last Date BHA				
SPM			Annular Vol. Bbls.			Inspected	78.5	Ft. of Fill		
Pump psi										

[illegible]

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from bit
BIT	1						0.75	
MUD MOTOR	1	6 1/4	2 3/8				26.38	26.38
FLOAT-SUB	1	6 1/4	2 3/8				3	29.38
DC	1	6 1/4	2 3/8				29.78	59.16
REAMER	1	6 1/4	2 3/8				5.56	64.72
DC	1	6 1/4	2 3/8				31.16	95.9
REAMER	1	6 1/4	2 3/8				5.75	101.65
DC	26	6 1/4	2 3/8				772.83	874.28
								874.28
						Total	875.03	

Hours	Item	Daily
1 3/4	DRLG F/ 6250-6276	Drilling Footage
1/4	SERVICE RIG	Drilling Daywork
1	DRLG F/ 6276-6379	Water
1 3/4	CHECK PUMPS AND PUMP SOFT LINE	Drilling Mud
1 3/4	TOH FOR HOLE IN PIPE HOLE IN TOP 36" STD	Cum. Mud Cost
1 1/4	TIH	Mud Logging Unit
3 3/4	DRLG F/6379-6716	Cement all strings
1/2	WLS AT 6607 1 1/4 DEG	Drill Stem Tests
6 3/4	DRLG F/ 6715-7183	Electric Logs
1/2	WLS AT 7107 1 DEG	Bits, Supplies
4 3/4	DRLG F/ 7183-7500	Casing & Well Head
		Other
		Cum. Daily Costs
		Total Well Costs
		Time Category
		Rotating
		Drig. (non rotating)
		Ceg. & Cmt.
		Evaluation
		Unscheduled Events

Tool Pusher VICTOR HERNANDEZ

Pathfinder

Survey Report

11-7-05 ?
 Page 1
 Job No: J-WT-0510-0189-WT-WT
 Date: 02/11/2005
 Time: 10:09 am
 Wellpath ID: 05100189
 Date Created: 31/10/2005
 Last Revision: 02/11/2005

Calculated using the Minimum Curvature Method
 Computed using PDS VER2.2.6
 Vertical Section Plane: 91.78 deg.

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

YATES PETROLEUM
 LLAMA "A" LL FED. #5
 EDDY CO. NM
 PATTERSON #76

DECL: 8.35 EAST TO TRUE
 KBH: 18' ROTARY TO GROUND

PATHFINDER OFFICE SUPERVISOR:
 CODY MEBANE
 PATHFINDER FIELD ENGINEER:
 MARTY SCHMIDT:

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	T O T A L Rectangular Offsets (ft)		Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
NO TIE IN PROVIDED TIED INTO SURFACE										
0.00	0.00	0.00	0.00	0.00	0.00	0.00 N	0.00 E	0.00@	0.00	0.00
THE FOLLOWING ARE PATHFINDER MWD SURVEYS										
628.00	0.18	113.47	628.00	628.00	0.92	0.39 S	0.90 E	0.99@	113.47	0.03
723.00	0.44	141.39	723.00	95.00	1.29	0.74 S	1.27 E	1.47@	120.15	0.31
815.00	0.36	152.23	814.99	92.00	1.66	1.26 S	1.62 E	2.05@	127.91	0.13
1003.00	0.53	112.94	1002.99	188.00	2.75	2.11 S	2.69 E	3.42@	128.11	0.18
1099.00	0.62	110.83	1098.98	96.00	3.66	2.47 S	3.58 E	4.35@	124.54	0.10
1193.00	0.79	113.82	1192.98	94.00	4.74	2.91 S	4.65 E	5.49@	122.02	0.18
1287.00	0.97	112.50	1286.97	94.00	6.08	3.48 S	5.98 E	6.92@	120.17	0.19
1349.00	1.06	112.68	1348.96	62.00	7.11	3.90 S	6.99 E	8.01@	119.13	0.15
1443.00	1.14	111.53	1442.94	94.00	8.80	4.58 S	8.67 E	9.80@	117.84	0.09
1537.00	1.14	116.72	1536.92	94.00	10.53	5.34 S	10.37 E	11.66@	117.24	0.11
1632.00	1.67	121.64	1631.89	95.00	12.59	6.49 S	12.39 E	13.95@	117.64	0.57
1725.00	1.14	117.42	1724.86	93.00	14.60	7.63 S	14.37 E	16.27@	117.96	0.58
1818.00	1.41	110.43	1817.84	93.00	16.52	8.45 S	16.26 E	18.33@	117.47	0.33
1911.00	0.97	89.21	1910.82	93.00	18.39	8.84 S	18.12 E	20.16@	116.01	0.66
2004.00	1.32	91.49	2003.80	93.00	20.25	8.86 S	19.98 E	21.85@	113.91	0.38
2098.00	0.79	95.10	2097.79	94.00	21.97	8.94 S	21.71 E	23.48@	112.39	0.57
2193.00	0.88	92.02	2192.78	95.00	23.36	9.03 S	23.09 E	24.79@	111.36	0.11
2288.00	1.14	87.01	2287.76	95.00	25.03	9.00 S	24.76 E	26.35@	109.98	0.29
2350.00	1.23	88.24	2349.75	62.00	26.31	8.95 S	26.04 E	27.54@	108.97	0.15
2382.00	1.23	79.01	2381.74	32.00	26.99	8.88 S	26.72 E	28.16@	108.37	0.62
2476.00	0.97	69.26	2475.72	94.00	28.70	8.40 S	28.46 E	29.67@	106.45	0.34
2570.00	1.14	63.02	2569.71	94.00	30.26	7.70 S	30.03 E	31.00@	104.37	0.22
2665.00	0.97	65.48	2664.69	95.00	31.81	6.93 S	31.61 E	32.36@	102.37	0.19
2757.00	1.06	58.45	2756.68	92.00	33.22	6.16 S	33.04 E	33.61@	100.57	0.17
2850.00	0.88	39.38	2849.66	93.00	34.37	5.16 S	34.23 E	34.62@	98.58	0.39
2944.00	0.70	349.19	2943.66	94.00	34.69	4.04 S	34.58 E	34.81@	96.67	0.73

61-7-05?

Page 2

Date: 03/11/2005

Wellpath ID: 05100189

Pathfinder

Survey Report

Measured Depth (ft)	Incl (deg.)	Drift Dir. (deg.)	TVD (ft)	Course Length (ft)	Vertical Section (ft)	TOTAL Rectangular Offsets (ft)		Closure Dist. (ft)	Dir. (deg.)	DLS (dg/100ft)
3039.00	0.62	17.49	3038.66	95.00	-2.37	2.37 S	34.40 E	34.48@	93.95	0.35
3133.00	0.53	66.01	3132.65	94.00	-1.71	1.71 S	34.95 E	34.95@	92.80	0.51
3228.00	0.97	75.59	3227.65	95.00	-1.33	1.33 S	36.13 E	36.15@	92.11	0.48
3322.00	1.06	49.48	3321.63	94.00	-0.57	0.57 S	37.56 E	37.56@	90.87	0.50
3385.00	1.41	55.37	3384.62	63.00	0.25	0.25 N	38.64 E	38.64@	89.63	0.59
3446.00	1.67	65.13	3445.59	61.00	1.05	1.05 N	40.06 E	40.08@	88.50	0.60
3509.00	1.06	62.93	3508.58	63.00	1.70	1.70 N	41.42 E	41.45@	87.65	0.97
3572.00	1.14	68.29	3571.56	63.00	2.20	2.20 N	42.52 E	42.57@	87.04	0.21
3635.00	1.14	84.11	3634.55	63.00	2.49	2.49 N	43.72 E	43.79@	86.74	0.50
3698.00	1.14	85.34	3697.54	63.00	2.61	2.61 N	44.97 E	45.05@	86.68	0.04
3761.00	1.06	101.25	3760.53	63.00	2.55	2.55 N	46.17 E	46.24@	86.84	0.50
3822.00	1.06	76.55	3821.52	61.00	2.57	2.57 N	47.27 E	47.34@	86.89	0.74
3884.00	0.97	79.72	3883.51	62.00	2.79	2.79 N	48.34 E	48.42@	86.69	0.17
STRAIGHT LINE PROJECTION TO BIT										
3930.00	0.97	79.72	3929.50	46.00	2.93	2.93 N	49.11 E	49.20@	86.58	0.00

46

Well Name	Name ALL Federal # 5				Location	330' FSL & 1,050' FEL - S7 T22S R31E			
Date	11/8/05	Rip	PATT-UT RIG # 76		Present Operation	LOGGING			
Day No.	12	Formation			Lithology				
Depth ft	7,650	Previous Depth	7,500		Proposed TD	7850			
Made	350	ft in	8.75 hrs		Drilling rate of	40.00 ft. per hr.			
Weight	8.7	Chlorides	40,000	Calcium	Solids	L.C.M.			
Vis. Fun.	28	P.V.		Y.P.	Gels	PH 11			
Water loss	12	Filter Cake		KCL %	Oil %	Nitrates			
				Mud Gas					
Average		Maximum		Connection	Trip	Flare			
		Mud additions last 24 hours			Product & Quantity				
SALT GEL 55 SX EZ MUD 4 GAL MF-55 4 GAL IMPERMIX 15 SX									

WOB	<u>25</u>	RPM	<u>55/75MM</u>	Cumulative Rotating Hours				<u>121.5</u>	
Dull Bit No.	<u>3</u>	Size	<u>7 7/8</u>	Type	<u>TM566B</u>	Ser. No.	<u>D-20583</u>	Jets	<u>6-15</u>
Depth Out	<u>7850</u>	Made	<u>3920</u>	Rt in	<u>45</u>	hrs. Fthr	<u>87.11</u>	Dull Gr.	
Present Bit #	<u>3</u>	Size	<u>7 7/8</u>	Type	<u>TM066B</u>	Ser. No.	<u>D-20543</u>	Jets	<u>6-15</u>
Depth In	<u>3930</u>	Made	<u>3,920</u>	Rt in	<u>45</u>	hrs.	<u>Avg. R/Tr.</u>	<u>87.11</u>	

Mud Pump		No. 1	No. 2	Deepest Casing Set			String Weight	Trip Conditions	
Make	F-1000	F-800	Size	Depth	Min. Burst	Neutral	185,000	Tight	Spots Out
Liner	5 1/2	5 1/2	8.625	3930	3144	Pick Up	180,000	Depth	Over Pull
Stroke	10"	9"	Shoe Test			Slack Off	180,000		
SPM	.82	.88	Equiv. Mud Weight			Rotating Torque			
GPM	240	232	Date Last BOP Check			Neutral			
Pump psi	2250	2250	Pressure Tested To			Pick Up		Take Weight trip in	
Slow Pump F			BOP Drill & Function			Slack Off			
SPM			Drill String Vol. Bbls.			5	Last Date BHA		
Pump psi			Annular Vol. Bbls.			-163	Inspected	76.5	Fl. of Fill

[illegible]

Item	Quantity	O.D.	I.D.	Thread	Lbs./ft	Grade	Length	from bit
BIT	1						0.75	
MUD MOTOR	1	6 1/4	2 3/8				26.38	26.38
FLOAT-SUB	1	6 1/4	2 3/8				3	29.38
DC	1	6 1/4	2 3/8				29.78	59.16
REAMER	1	6 1/4	2 3/8				5.56	64.72
DC	1	6 1/4	2 3/8				31.18	95.9
REAMER	1	6 1/4	2 3/8				5.75	101.65
DC	26	6 1/4	2 3/8				772.63	874.28
						Total	875.03	874.28

Hours	Description of Operations	Item	Daily
2 3/4	DRLG F/ 7500-7622	Drilling Footage	
1/2	WLS AT 7575 1 1/4 DEG 7°	Drilling Daywork	\$15,500
8	DRLG F/ 7622-7850 TO 8:04 AT 2:15 PM MST 11-7-05	Water	\$120
1 1/2	CIRC AND PUMP SWEEP	Drilling Mud	
1/2	WLS AT 7803 1 1/2 DEG	Cum. Mud Cost	
3/4	SPOT HEAVY VIS PILL ON BOTTOM	Mud Logging Unit	\$650
7 1/2	LATDOWN DP AND DC'S	Cement all strings	
1	RIG UP LOGGERS AND 15 MINUTE SAFETY MEETING	Drill Stem Tests	
3 1/2	LOGGING LOGGERS TO 7854 AT 3:30 AM MST 10-8-05	Electric Logs	
		Bits, Supplies	
		Casing & Well Head	
	7°		
	TO 8:04 HOLE AT 2:15 PM MST 10-7-05	Other	\$3,285
		Cum. Daily Costs	\$18,336
		Total Well Costs	\$405,250
		Time Category	Mrs.
		Rotating	
		Orig. (non rotating)	
		Ceg. & Cmt.	
		Evaluation	
		Unscheduled Events	
24			
Drilling Supervisor	ROBERT SMITH	Tool Pusher	VICTOR HERNANDEZ

Tool Pusher VICTOR HERNANDEZ

Yates Petroleum Corporation**CASING REPORT****Production Casing (Long String)**Section: 7 Township: 22S Range: 31EWell Name: LIAMA ALL FED #6T.D. Hole Time: 2:15 PM MSTDate: 11/7/2005Total Depth: 7,850Hole Size: 7 7/8

Total Ran:	<u>185</u>	Jts.		Set at:	<u>7,850</u> As follows
a. Ran:	<u>11</u>	Jts.	<u>J-56 17# LT&C BRD</u>	Total Feet:	<u>475.20</u>
b. Ran:	<u>168</u>	Jts.	<u>J-55 15.50# LT&C BRD</u>	Total Feet:	<u>7,127.81</u>
c. Ran:	<u>8</u>	Jts.	<u>J-55 17# LT&C BRD</u>	Total Feet:	<u>257.13</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>185</u>	Jts.		Total Feet:	<u>7859.94</u>

	Regular Guide Shoe	Set @:	
<u>X</u>	Float Shoe	Set @:	<u>7,850.00</u>
	Insert Float	Set @:	
<u>X</u>	Float Collar	Set @:	<u>7803.87</u>
	D.V. Tool(s)	Set @:	
	Bottom Marker	Set @:	
<u>X</u>	Top Marker	Set @:	<u>6,099.48</u>

Cemented As FollowsStage #1: PREMIUM PLUS FOAMED SINGLE(100012205) 900SX CEMENTYield: 1.39 Weight: 14.5

Tailed In With:

Yield: Weight:

Plug Down @: 9:30 PM MST 11-8-05 Bumped To: 1,800 P.S.I. For 2 Mins.Cement Circulated: 0 Sacks Circulated Thru D.V. Tool: Hrs.

Stage #2:

Yield: Weight:

Tailed In With:

Yield: Weight:

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

Cement Circulated: 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: 0 Sacks Float and Casing Held (Y/N): YES

IF CEMENT WAS NOT CIRCULATED, THE TOP OF CEMENT WAS CALCULATED TO 400 FEET

Rig Released @: 5:00 AM MST 11-9-05Set: 105,000 Pounds on Slips.

Comments:

Centralizers on every 3rd jt 5 1/2 csgNotified Don Cleghorn on running 5 1/2 csg and cmt 11-8-05Didn't circ cmt calculated to 400' from surfaceWell Site Supervisor: Robert Smith

Well Name	Llano ALL Federal # 5		Location	330' FSL & 1,650' FEL - S7 T22S R31E	
Date	11/9/05	Rig	PATT-UTI RIG # 76	Present Operation	Rigging down
Day No.	13	Formation		Lithology	
Depth ft	7,850	Previous Depth	7,850	Proposed TD	7850
Made		ft in	hrs	Drilling rate of	#DVI/01 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		121.5
Dull Bit No.	_____	Size	_____	Type	Ser. No.	Jets
Depth Out	_____	Made	_____	R in	hrs. Fthr	Dull Gr.
Present Bit #	_____	Size	_____	Type	Ser. No.	Jets
Depth In	_____	Made	_____	R in	hrs.	Avg. R/hr.

Pumps		BOP Information			Hoist Drag and Condition Info.		
	No. 1	No. 2	Deepest Casing Set			String Weight	Trip Conditions
	F-1000	F-800	Size	Depth	Min. Burst		Tight Spots Out
Mud Pump						Neutral	
Mach.	5 1/2	6 1/2	8.625	3930	3144	Pick Up	Depth
Liner						Slack Off	Over Pull
Stroke	10"	9"	Show test				
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 F			BOP Drill & Function			Slack Off	
SPM			Drill String Vol. Bbls.			Last Date BHA	
Pump psi			Annular Vol. Bbls.			Inspected	76.5 Ft. of Fill

[illegible]

Hours	Item	Daily
4	Logging	Drilling Footage
1	Rig down loggers and load out	Drilling Daywork
1 1/4	Rig up SPS and csg crew held 15 minute safety meeting	Water
6	Run 185 ft's 5 1/2 csg at 7850	Drilling Mud
1	Circ and condition hole	Cum. Mud Cost
1 1/2	15 minute safety meeting and rig up helliburton	Mud Logging Unit
2	Cmd 5 1/2 csg with 900 sx foamed cement	Cement all strings
	Plug down at 9:30 PM MST 11-8-05 NO RETURNS ON CEMENT	Drill Stem Tests
1	Rig down helliburton and load out	Electric Logs
1 3/4	Nipple down BOP	Bits, Supplies
1/2	Cut off 5 1/2 casing	Casing & Well Head
4	Clean and let pits RIG RELEASED AT 6:00 AM MST 11-8-05	
1	Rig down	
	NO RETURNS ON FOAMED CEMENT JOB	Other
	NOTIFIED DON CLEGHORN BLM ON RUNNING 5 1/2 CSG AND CEMENT 11-8-05	Cum. Daily Costs
		Total Well Costs
		Time Category
		Hrs.
		Rotating
		Drp. (non rotating)
		Csg. & Cmt.
		Evaluation
		Unscheduled Events

Tool Pusher VICTOR HERNANDEZ