



# 2010 PICEANCE REGULATORY OPERATIONS SUMMARY

Well Name: Latham 32-10D

API/UWI 05045136390...	AFE Number C10 072098	APD State COLORADO	Surface Legal Location SWSE Sec 32-T5S-R96W
Spud Date 6/5/2008	Rig Release Date 6/16/2008	KB-Grd (ft) 22.00	Gr Elev (ftKB) 8,205

### Daily Operations

3/15/2010 00:00 - <End Date?>

Operations at Report Time  
PREP PAD, TEST, SET KILL

Operations Next 24 Hours  
FLOW, FLUSH, PERF, FRAC

Operations Summary  
SCHL PERF & FRAC STG #4

### Time Log

Comment

PREP PAD. SPOT IN BLOW DOWN TANKS & SEPARATORS. NIPPLE UP BLOW DOWN LINES & MANIFOLDS. TESTED SAME. SPOT IN WATER PUMPS & LINES. R/U SCHLUMBERGER PERF & FRAC CREWS .

SCHLUMBERGER SET CBP (COMPOSITE BRIDGE PLUG) @ 8,040'. TEST PRESSURE TO 6,000 PSI. HELD

SCHLUMBERGER R/U & RIH TO PERFORATE STAGE #4. PERFORATE THE FOLLOWING 7,750'-8,004' AT 2 SHOTS PER FOOT FOR A TOTAL OF 30 HOLES.

HOLD SAFETY MEETING. SCHLUMBERGER R/U & TEST LINES TO 7,000 PSI, HELD. SLICK WATER FRAC STAGE #4 (7,750'-8,004', 30 TOTAL HOLES).

INITIAL WELL PSI OF 1,287. BREAKDOWN @ 33 BPM @ 3,447 PSI.

MAX RATE OF 80.7 BPM AND A MAX PSI OF 4,426. AVERAGE RATE OF 75.2 BPM AND AN AVERAGE PSI OF 3,758.

30/30 HOLES OPEN. ABLE TO GET FLUSH AWAY. LOST 0 PERFS. FINISHED WITH 30/30.

PUMP 150,641 LBS OF 30/50 WHITE SAND. 11,599 BARRELS OF FLUID. LED WITH 500 GALS. OF 7.5% ACID,

INITIAL SHUT IN PSI OF 487. INITIAL FRAC GRADIENT OF .50  
INSTANT SHUT DOWN PSI OF 869. FINAL FRAC GRADIENT OF .55

5 MINUTE 833 PSI, 10 MINUTE 796 PSI, & 15 MINUTE 767 PSI.

FLOW WELL @ 700 PSI ON A 32 CHOKE.

3/16/2010 00:00 - <End Date?>

Operations at Report Time  
FLUSH, SCHL PERF STG #5

Operations Next 24 Hours  
PERF & FRAC

Operations Summary  
SCHL FRAC STG #5

### Time Log

Comment

WELL FLOWING. SCHLUMBERGER FLUSH WELL TO TOP PERF AT 7,750'.

SCHLUMBERGER RIH & SET HALCO CFP @ 7,730'. PERFORATE STAGE #5. PERFORATE THE FOLLOWING 7,516'-7,710' AT 2 SHOTS PER FOOT FOR A TOTAL OF 30 HOLES.

HOLD SAFETY MEETING. SCHLUMBERGER R/U & TEST LINES TO 7,000 PSI, HELD. SLICK WATER FRAC STAGE #5 (7,516'-7,710', 30 TOTAL HOLES).

INITIAL WELL PSI OF 0. BREAKDOWN @ 43 BPM @ 4,233 PSI.

MAX RATE OF 81.4 BPM AND A MAX PSI OF 4,354. AVERAGE RATE OF 74.6 BPM AND AN AVERAGE PSI OF 3,688.

30/30 HOLES OPEN. ABLE TO GET FLUSH AWAY. LOST 0 PERFS. FINISHED WITH 30/30.

PUMP 113,499 LBS OF 30/50 WHITE SAND. 8,724 BARRELS OF FLUID. LED WITH 500 GALS. OF 7.5% ACID,

INITIAL SHUT IN PSI OF 168. INITIAL FRAC GRADIENT OF .46  
INSTANT SHUT DOWN PSI OF 686. FINAL FRAC GRADIENT OF .53

LEAVE WELL S.I.

3/17/2010 00:00 - <End Date?>

Operations at Report Time  
SCHL PERF STG #6

Operations Next 24 Hours  
LEAVE WELL S.I.

Operations Summary  
SCHL FRAC STG #6



# 2010 PICEANCE REGULATORY OPERATIONS SUMMARY

Well Name: Latham 32-10D

## Time Log

Comment

SCHLUMBERGER RIH & SET HALCO CFP @ 7,500'. PERFORATE STAGE #6. PERFORATE THE FOLLOWING 7,312'-7,478' AT 2 SHOTS PER FOOT FOR A TOTAL OF 30 HOLES.

HOLD SAFETY MEETING. SCHLUMBERGER R/U & TEST LINES TO 7,000 PSI, HELD. SLICK WATER FRAC STAGE #6 (7,312'-7,478', 30 TOTAL HOLES).

INITIAL WELL PSI OF 230. BREAKDOWN @ 44 BPM @ 4,034 PSI.

MAX RATE OF 81.2 BPM AND A MAX PSI OF 4,834. AVERAGE RATE OF 71.6 BPM AND AN AVERAGE PSI OF 3,415.

30/30 HOLES OPEN. ABLE TO GET FLUSH AWAY. LOST 0 PERFS. FINISHED WITH 30/30.

PUMP 70,600 LBS OF 30/50 WHITE SAND. 5,545 BARRELS OF FLUID. LED WITH 500 GALS. OF 7.5% ACID,

INITIAL SHUT IN PSI OF 491. INITIAL FRAC GRADIENT OF .50  
INSTANT SHUT DOWN PSI OF 700. FINAL FRAC GRADIENT OF .53

LEAVE WELL S.I.

## Daily Operations

3/18/2010 00:00 - <End Date?>

Operations at Report Time  
SCHL PERF STG #7

Operations Next 24 Hours  
FRAC COMPLETE

Operations Summary  
SCHL FRAC STG #7

## Time Log

Comment

SCHLUMBERGER RIH & SET HALCO CFP @ 7,290'. PERFORATE STAGE #7. PERFORATE THE FOLLOWING 7,036'-7,260' AT 2 SHOTS PER FOOT FOR A TOTAL OF 30 HOLES.

HOLD SAFETY MEETING. SCHLUMBERGER R/U & TEST LINES TO 7,000 PSI, HELD. SLICK WATER FRAC STAGE #7 (7,036'-7,260', 30 TOTAL HOLES).

INITIAL WELL PSI OF 260. BREAKDOWN @ 45 BPM @ 3,767 PSI.

MAX RATE OF 80.5 BPM AND A MAX PSI OF 3,782. AVERAGE RATE OF 73.4 BPM AND AN AVERAGE PSI OF 3,284.

30/30 HOLES OPEN. ABLE TO GET FLUSH AWAY. LOST 0 PERFS. FINISHED WITH 30/30.

PUMP 50,148 LBS OF 30/50 WHITE SAND. 7,764 BARRELS OF FLUID. LED WITH 500 GALS. OF 7.5% ACID,

INITIAL SHUT IN PSI OF 415. INITIAL FRAC GRADIENT OF .50  
INSTANT SHUT DOWN PSI OF 715. FINAL FRAC GRADIENT OF .54

OPEN WELL UP @ 370 ON A 48 CHOKE.

3/26/2010 00:00 - <End Date?>

Operations at Report Time  
MAVERICK MIRU D/O 3/3 CFP'S

Operations Next 24 Hours  
FLOW WELL

Operations Summary  
D/O CBP. C/O PBTD, FLOW



# 2010 PICEANCE REGULATORY OPERATIONS SUMMARY

Well Name: Latham 32-10D

## Time Log

Comment

MAVERICK COIL TBG MIRU EQUIPMENT. HOOK UP WATER LINE. HOOK UP BOPE ON TOP OF FRAC TREE. R/U LUBRICATOR. P/U 3-3/4 MILL & MOTOR. WELL NOT FLOWING. RIH.

CFP @ 7,290'	PERFS @ 7,036'-7,260'	(D/O
CFP @ 7,500'	PERFS @ 7,312'-7,478'	(D/O)
CFP @ 7,730'	PERFS @ 7,516'-7,710'	(D/O)
	PERFS @ 7,750'-8,004'	(D/O)
CBP @ 8,040'		(D/O)
CFP @ 8,380'	PERFS @ 8,131'-8,361'	(D/O)
CFP @ 8,630'	PERFS @ 8,432'-8,602'	(D/O)
	PERFS @ 8,996'-9,223'	(D/O)

\*\*NOTE: THE LAST 2 CFP'S & 3 SETS OF PERFS WERE SET & SHOT +/- 1 YEAR AGO. AND WERE NEVER DRILLED OUT. THE WELL WAS PRODUCED DURING THIS TIME.\*\*

C/O TO PBTD 9,624'. POOH R/D COIL TBG. PUMP 234,000 SCF N2. MOVE TO 32-12D

## Daily Operations

4/5/2010 00:00 - <End Date?>

Operations at Report Time

MIRU MWS RIG 10

Operations Next 24 Hours

RIH P/U 2-3/8 TBG.

Operations Summary

MIRU MWS RIG 10

## Time Log

Comment

MIRU MWS RIG 10. SIWP- 0. N/D FRAC VALVE. N/U BOPE. SWIFN. CREW TRAVEL.

4/6/2010 00:00 - <End Date?>

Operations at Report Time

RIH P/U 2-3/8 TBG

Operations Next 24 Hours

CIRC WELL W/ NIT FOAM UNIT.

Operations Summary

RIH W/ NOTCH COLLAR, 1 JT 2-3/8 TBG, & 1.81 F- NIPPLE P/U 2-3/8 TBG.

## Time Log

Comment

CREW TRAVEL. HOLD SAFETY MEETING.  
SIWP- 0. RIH W/ 2-3/8 NOTCH COLLAR, 1 JT 2-3/8 TBG & 1.81 F- NIPPLE P/U NEW 2-3/8 TBG TO 9395', 172' BELOW BOTTOM PERF. PULL ABOVE TOP PERF @ 7036'. R/U NITROGEN FOAM UNIT. BREAK CIRC, TOOK 1 HR. CIRC WATER OFF OF WELL OVERNIGHT. CREW TRAVEL.

4/7/2010 00:00 - <End Date?>

Operations at Report Time

CIRC WELL W/ NIT FOAM UNIT

Operations Next 24 Hours

CIRC WELL W/ NIT FOAM UNIT

Operations Summary

CIRC WELL W/ NIT FOAM UNIT

## Time Log

Comment

CIRC WATER OFF OF WELL W/ NITROGEN FOAM UNIT OVERNIGHT. MAKING +/- 140 BBLS PER HR.

NOTE. ATTEMPT TO FLOW WELL ON ITS OWN SEVERAL TIMES, FLOWED FOR +/- 45 MINS & DIED.

4/8/2010 00:00 - <End Date?>

Operations at Report Time

CIRC WELL W/ NIT FOAM UNIT

Operations Next 24 Hours

CIRC WELL W/ NIT FOAM UNIT.

Operations Summary

RIH W/ NOTCH COLLAR. LAND TBG. R/D RIG.



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## Time Log

Comment

CREW TRAVEL. HOLD SAFETY MEETING.  
 CIRC WELL W/ NITROGEN FOAM UNIT FOR 36 HRS, MAKING +/- 120 BBLS PER HRS. SHUT DOWN NIT UNIT. WELL FLOWED FOR 2 HRS & SLOWLY DIED.  
 RIH F/ TOP OF PERFS W/ NOTCH COLLAR TO 9395', 172' BELOW BOTTOM PERF. POOH TO 8404', & LAND TBG. N/D BOPE, N/U WELLHEAD.  
 CONTINUE TO  
 CIRC WATER OFF OF WELL W/ NIT FOAM UNIT OVERNIGHT, TOOK 3 HRS TO GET GOOD CIRC. R/D RIG & EQUIPMENT. SPOT RIG IN ON 32-11D.

KB	22.00
TBG HANGER	.80
259 JTS 2-3/8 TBG N-80	8349.53
1.81 F- NIPPLE	.81
1 JT 2-3/8 TBG N-80	31.40
2-3/8 NOTCH COLLAR	.40
EOT @ .....	8404.94