



## 2010 PICEANCE REGULATORY OPERATIONS SUMMARY

Well Name: Latham 32-12D

API/UWI 05045136420...	AFE Number C10 072095	APD State COLORADO	Surface Legal Location SWSE Sec 32-T5S-R96W
Spud Date 6/17/2008	Rig Release Date 6/29/2008	KB-Grd (ft) 22.00	Gr Elev (ftKB) 8,205

### Daily Operations

3/20/2010 00:00 - <End Date?>

Operations at Report Time

FLUSH, SCHL PERF STG #5

Operations Next 24 Hours

FLOW, FLUSH, PERF, FRAC

Operations Summary

SCHL FRAC STG #5, FLOW

### Time Log

Comment

MOUNTAIN VERY COLD. IN SINGLE DIGITS. FLOWING WELL. SCHLUMBERGER FLUSH WELL TO TOP PERF @ 8,090'.

SCHLUMBERGER SET HALCO CFP @ 8,040'. SCHLUMBERGER R/U & RIH TO PERFORATE STAGE #5. PERFORATE THE FOLLOWING 7,754'-8,001' 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 (7,754'-8,001', 30 TOTAL HOLES).

INITIAL WELL PSI OF 0. BREAKDOWN @ 24.4 BPM @ 1,952 PSI.

MAX RATE OF 80.5 BPM AND A MAX PSI OF 4,603. AVERAGE RATE OF 78.0 BPM AND AN AVERAGE PSI OF 3,710.

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

PUMP 183,978 LBS OF 30/50 WHITE SAND. 14,195 BARRELS OF FLUID. LED WITH 500 GALS. OF 7.5% ACID,

INITIAL SHUT IN PSI OF 676. INITIAL FRAC GRADIENT OF .52  
INSTANT SHUT DOWN PSI OF 983. FINAL FRAC GRADIENT OF .56

FLOW WELL @ 850 PSI ON A 32 CHOKE.

3/22/2010 00:00 - <End Date?>

Operations at Report Time

FLUSH, SCHL PERF STG #6

Operations Next 24 Hours

FRAC COMPLETED PER DESIGN

Operations Summary

SCHL FRAC STG #6

### Time Log

Comment

FLOWING WELL. SCHLUMBERGER FLUSH WELL TO TOP PERF @ 7,754'.

SCHLUMBERGER SET HALCO CFP @ 7,635'. SCHLUMBERGER R/U & RIH TO PERFORATE STAGE #6. PERFORATE THE FOLLOWING 7,450'-7,604' 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 (7,450'-7,604', 30 TOTAL HOLES).

INITIAL WELL PSI OF 0. BREAKDOWN @ 40 BPM @ 3,782 PSI.

MAX RATE OF 80.5 BPM AND A MAX PSI OF 5,817. AVERAGE RATE OF 78.0 BPM AND AN AVERAGE PSI OF 3,602.

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

PUMP 119,883 LBS OF 30/50 WHITE SAND. 9,792 BARRELS OF FLUID. LED WITH 500 GALS. OF 7.5% ACID,

INITIAL SHUT IN PSI OF 459. INITIAL FRAC GRADIENT OF .50  
INSTANT SHUT DOWN PSI OF 841. FINAL FRAC GRADIENT OF .55

FLOW WELL @ 750 PSI ON A 32 CHOKE.

FRAC COMPLETED ON THIS WELL PER DESIGN.  
STAGE # 7 DROPPED

3/27/2010 00:00 - <End Date?>

Operations at Report Time

MIRU MAVERICK, D/O 2/2 CFP'S

Operations Next 24 Hours

FLOW WELL

Operations Summary

CIRC CLEAN R/D



## 2010 PICEANCE REGULATORY OPERATIONS SUMMARY

Well Name: Latham 32-12D

### 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 @ 7,635'	PERFS @ 7,450'-7,604'	(D/O)
CFP @ 8,040'	PERFS @ 7,754'-8,001'	(D/O)
	PERFS @ 8,090'-8,276'	(D/O)

CBP @ 8,300' (DID NOT D/O)

	PERFS @ 8,375'-8,597'	(DID NOT D/O)
CFP @ 8,610'	PERFS @ 8,769'-8,957'	(DID NOT D/O)
CFP @ 8,990'	PERFS @ 9,115'-9,245'	(DID NOT 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.\*\*

DID NOT C/O TO PBTD 9,616'. POOH R/D COIL TBG. PUMP 168,000 SCF N2. MOVE TO 32-1D & R/U.

### Daily Operations

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

Operations at Report Time

Operations Next 24 Hours

Operations Summary

### Time Log

Comment

4/6/2010 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) @ 8,320'. TEST PRESSURE TO 6,000 PSI. HELD

SCHLUMBERGER R/U & RIH TO PERFORATE STAGE #4. PERFORATE THE FOLLOWING 8,090'-8,276' 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 (8,090'-8,276', 30 TOTAL HOLES).

INITIAL WELL PSI OF 1,946. BREAKDOWN @ 12.0 BPM @ 2,710 PSI.

MAX RATE OF 80.8 BPM AND A MAX PSI OF 4,671. AVERAGE RATE OF 73.6 BPM AND AN AVERAGE PSI OF 3,975.

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

PUMP 127,779 LBS OF 30/50 WHITE SAND. 9,895 BARRELS OF FLUID. LED WITH 500 GALS. OF 7.5% ACID,

INITIAL SHUT IN PSI OF 1,023. INITIAL FRAC GRADIENT OF .56  
INSTANT SHUT DOWN PSI OF 1,152. FINAL FRAC GRADIENT OF .58

5 MINUTE 1,035 PSI, 10 MINUTE 982 PSI, & 15 MINUTE 939 PSI.

FLOW WELL @ 600 PSI ON A 32 CHOKE.

5/26/2010 00:00 - <End Date?>

Operations at Report Time

MIRU MWS 10

Operations Next 24 Hours

KILL WELL. RIH W/ BIT.

Operations Summary

MIRU MWS 10



## 2010 PICEANCE REGULATORY OPERATIONS SUMMARY

Well Name: Latham 32-12D

### Time Log

Comment

MIRU MWS RIG 10. CREW TRAVEL.

### Daily Operations

5/27/2010 00:00 - <End Date?>

Operations at Report Time

N/U BOPE. RIH W/ BIT.

Operations Next 24 Hours

C/O RAT HOLE. LAND TBG.

Operations Summary

KILL WELL. N/D FRAC VALVE. N/U BOPE. RIH W/ CHOMP BIT. C/O WELL.

### Time Log

Comment

CREW TRAVEL. HOLD SAFETY MEETING.

SIWP- 500. KILL WELL. N/D FRAC VALVE. N/U BOPE. P/U 3-7/8 CHOMP BIT, PUMP OFF BIT SUB, 1 JT 2-3/8 TBG, & 1.81 F- NIPPLE. RIH W/ BHA P/U NEW 2-3/8 TBG. TAG @ 8166'.

R/U POWER SWIVEL & NITROGEN FOAM UNIT. BREAK CIRC, TOOK 3 HRS TO GET CIRC. C/O SAND & D/O CBP @ 8300', FELL FREE @ 8391'. WELL FLOWING @ 750 PSI ON 32/64 CHOKE. RIH, TAG @ 9231', 14' ABOVE BOTTOM PERF @ 9245'. POOH ABOVE PERFS TO 7348'. FLOW WELL TO TANK OVERNIGHT. SDFN. CREW TRAVEL.

5/28/2010 00:00 - <End Date?>

Operations at Report Time

C/O RAT HOLE, LAND TBG.

Operations Next 24 Hours

R/D RIG & EQUIPMENT.

Operations Summary

RIH F/ TOP OF PERFS. C/O RAT HOLE. POOH TO 9032', & LAND TBG. FLOW TBG.

### Time Log

Comment

CREW TRAVEL. HOLD SAFETY MEETING.

CSG FLOWING PSI 350. RIH F/ TOP OF PERFS W/ 3-7/8 CHOMP BIT, TAG 9138', 107' ABOVE BOTTOM PERF. R/U POWER SWIVEL. BREAK CIRC. C/O SAND TO 9401', 156' BELOW BOTTOM PERF. CIRC WELL CLEAN FOR 1- 1/2 HRS. R/D SWIVEL. POOH TO 9032' & LAND TBG. N/D BOPE, N/U WELL HEAD. DROP BALL DOWN TBG & PUMP BIT OFF. CIRC WELL W/ NIT FOAM UNIT. FLOW TBG TO TANK. DUE TO HIGH WINDS DID NOT R/D RIG. SDFN. CREW TRAVEL.

KB	22.00
TBG HANGER	.80
291 JTS 2-3/8 TBG N-80	8978.55
1.81 F- NIPPLE	.81
1 JT 2-3/8 TBG N-80	30.10
PUMP OFF SUB	.65
EOT @ .....	9032.91

6/1/2010 00:00 - <End Date?>

Operations at Report Time

R/D RIG & EQUIPMENT.

Operations Next 24 Hours

MOVE OFF LOCATION

Operations Summary

R/D RIG & EQUIPMENT

### Time Log

Comment

CREW TRAVEL. HOLD SAFETY MEETING.

R/D RIG & EQUIPMENT. ROAD RIG TO C10 PAD.