

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 20005. Lease Serial No.
NMNM0291441a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resrv.
Other _____

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

2. Name of Operator
ConocoPhillips Co.3. Address
P.O. Box 2197, WL3-6081 Houston Tx 772523a. Phone No. (Include area code)
(832) 486-2463

4. Location of Well (Report location clearly and in accordance with Federal requirements)*

At Surface Sec 9 T27N R8W SWSW 330FSL 990FWL

At top prod. interval reported below

At total depth

14. Date Spudded

06/12/2005 6/12/67

15. Date T.D. Reached

06/24/1967

16. Date Completed

☐ D & A ☒ Ready to Prod.
06/29/2005

17. Elevations (DF, RKB, RT, GL)*

6709 GL

18. Total Depth: MD 7565
TVD19. Plug Back T.D.: MD 4400
TVD20. Depth Bridge Plug Set: MD
TVD21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
CBL; GSL; CCL22. Was well cored? ☒ No ☐ Yes (Submit analysis)
Was DST run? ☒ No ☐ Yes (Submit analysis)
Directional Survey? ☒ No ☐ Yes (Submit copy)

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
17	13.375	48	0	354		200		0	
12.25	8.625	24	0	2795		375		0	
7.875	5.5	15.5	0	7462		860		0	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	3940							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Otero Chacra	3785	3941	3785' - 3941'	.34	38	Open
B)						
C)						
D)						

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
3785' - 3941'	Frac'd w/20# Linear 70Q Slickfoam w/1g/mg FR; 150,500# 16/30 Brady Sand; 1,258,800 SCF N2 & 1236 bbls fluid.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
6/29/05	6/27/05	24	→	0	1215	0			Flows from Well
Choice Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
1/2	0	179	→					Shut In	

Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press. SI	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	
			→						

(See Instructions and spaces for additional data on reverse side)

NMOC

ACCEPTED FOR RECORD

JUL 12 2005
FARMINGTON FIELD OFFICE
BY *[Signature]*

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Vented

30. Summary of Porous Zones (Include Aquifers):

Show all important zones or porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
				Pictured Cliffs	2832
				Cliff House	4497
				Pt. Lookout	5155
				Greenhorn	7038
				Graneros	7099
				Dakota	7213

32. Additional remarks (include plugging procedure):

This well was recomplected to the Otero Chacra. The Blanco Mesaverde was TA'd and the recomplecton to the Pictured Cliff and Basin Fruitland Coal was not successful due to inability to frac these formations. This well is only producing from the Otero Chacra.

33. Circle enclosed attachments:

1. Electrical/Mechanical Logs (1 full set req'd.) 2. Geological Report 3. DST Report 4. Directional Survey
5. Sundry Notice for plugging and cement verification 6. Core Analysis 7. Other

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)*

Name (please print) Christina Gustartis

Title Regulatory Analyst

Signature

Chris Gustartis

Date 07/06/2005

Title 18 U.S.C. Section 101 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States and false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Recompletion, 12/13/2004 13:30

API/Bottom UWI	County	State/Province	Surface Legal Location	N/S Dist (ft)	N/S Ref	E/W Dist (ft)	E/W Ref
300452008500	SAN JUAN	NEW MEXICO	NMPM-27N-8W-9-M	330.00	S	990.00	W
Ground Elevation (ft)	Latitude (DMS)	Longitude (DMS)	Spud Date	Rig Release Date			
6,709.00	36° 34' 57" N	107° 41' 30.48" W	06/12/1967				

12/11/2004 07:00 - 12/11/2004 14:00

Last 24hr Summary

Pick up all equipment on Primo #1B & move up to Federal #16. Set & Spot all equipment except rig.

12/13/2004 07:00 - 12/13/2004 17:15

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (Rigging down; Moving Rig; Rigging up). Attempt to start rig; Pull guys & lower derrick; Pick up all trash on Primo #1B. Leave Primo #1B & Head for Federal #16. Wait on LOTO; replace alternator on rig; eat. LOTO; Blow down all facilities on loc; Rig up; Lay out pumps & lines & flowback. Secure well; SIFN.

12/14/2004 07:00 - 12/14/2004 16:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (Nippling up BOP's; Tripping; Picking up; Laying down singles; Extra traffic w/ water haulers; 1 green hard hat). Blow down Casing : 170 psi & Tubing: 390 psi. ND Wellhead; NU BOP's. Pull Hanger; Found 2 3/8, not 1 1/4 tbg; RIH to Tag @ 5340' (assumed to be old Bridge Plug). Pull out of Hole - strapping & tallying all pipe. Out w/ 168 jts 2 3/8 w/ X-over, SN, & RBP Retrieving head for BV RBP (halliburton) on bottom. Lay down. Wait on Air pkg., Tools; Repair Brakes on Rig; Eat. PU up 4 3/4 Bit & Scraper; TIH. Leave 12 stands out to stay above perfs; Secure well; PU trash; SIFN.

12/15/2004 07:00 - 12/15/2004 17:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (Tripping pipe; Cleaning out; Normal ops). Blow down casing: 180 psi. Continue in w/ Bit & Scraper. Make up air lines & flowlines; Start Air; Scrape down & Clean out to RBP; Blow dry. TOH; LD Scraper; PU RBP Overshot; TIH. Start Air; unload hole; wash over, latch up, & release RBP. Pump sweep. Kill w/ 10 bbl; TOH. Well kicks, kill w/ 30 bbl. Out w/o RBP. Turn around & Run back in. Ran all pipe, still no plug, call for 1750' yellow band. Secure well, drain pumps & SIFN.

12/16/2004 06:00 - 12/16/2004 17:00

Last 24hr Summary

Hollis Pass snowed in. Cancel ops for day.

12/17/2004 07:00 - 12/17/2004 17:00

Last 24hr Summary

Hollis Pass snowed in. Cancel ops for day.

12/18/2004 07:00 - 12/18/2004 17:30

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (Tripping pipe; Insecure footing (snow & ice); Picking up tubing). Blow down casing - 450 psi. Wait on pipe - having trouble getting up Hollis Pass. Pipe on location - Stuck on location. Gin poles up, load pipe on trailer, Maintainer blade road & location. Strap & tally pipe; replace handrails on trailer. Pick up 55 joints 2 3/8 tubing; TIH; Tag RBP; Catch, work loose, set & release; TOH; Lost RBP in 3 stands; Ran in again, couldn't get RBP to come out; Lost 3-4 points drag. TOH to inspect BHA before dark to decide next course of action for Monday. Out w/ 198 joints: 16 joints + retrieving head + RBP still in hole. SIFN.

12/20/2004 07:00 - 12/20/2004 17:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (Tripping pipe; Fishing; Insecure footing (snow & ice); Picking up tubing). Blow down casing: 400 psi. PU & MU 3 1/16 Grapple w/ cut tip, jars, TIH. Tag up & grapple tubing, pulled off RBP; run in & attempt to capture plug - no good; gained 5 points (additional 32 jts. tbg); Leave RBP. TOH w/ loose tbg & overshot. LD Jars & RBP overshot; change out collar on top of fish; PU 2 5/8 Grapple w/ short catch overshot, jars, TIH for RBP. Tag up on RBP, Pull 10 over & stack out; RBP set - release RBP; picked up 3-4 points probably swabbing now. TOH w/ Fish & tools. Break out & LD Jars, Grapple, RBP. Secure well; Drain pumps & lines; SIFN.

12/21/2004 07:00 - 12/21/2004 17:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (Tripping pipe; Wireline Ops; Insecure footing (snow & ice); Picking up/ Laying down tubing). Blow down casing: 380 psi. PU & MU CIBP; RIH Slowly. Set CIBP @ 4400', Roll hole W/ 2% kcl; Pressure test to 500 psi - good. TOH to 70 out & Lay down the rest. RIH w/ logging tools; Tag CIBP @ 4408'; CBL to 2300' & GR to surface. Secure well, Drain up, SIFN.

12/22/2004 07:00 - 12/22/2004 12:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Normal Ops; dump sand; thaw lines; dig out & hook up lines). Thaw out well head; Dump 6 sx sand; Dig out & lay flow line from intermediate to pit; thaw psi test pump. SIFN.

12/23/2004 07:00 - 12/23/2004 17:30

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Below freezing temps (5 degrees); stay warm & dry; work carefully; watch out for your buddy; be persistent but safe; psi testing & cementing under adverse weather conditions). Began thawing iron for pressure test, RU Stinger; Test pump on rig failed - wait on Schlumberger (Stuck on Hollis Pass 4 hours). Schlumberger on location. RU iron. Held Safety Meeting w/ crew, Stinger, Schlumberger - discussed possible Hazards & how to avoid them: (Below freezing temps (5 degrees); stay warm & dry; work carefully; watch out for your buddy; be persistent but safe; psi testing & cementing under adverse weather conditions). Test Casing w/ Schlumberger & Stinger - 4300 psi - Good. RIH w/ Squeeze gun & shoot 3 @ 3950. TIH w/ 5 1/2" EZSV cmt retainer; Set @ 3877'. Mix & pump 328 sx cement; displace to EZSV; sting out & reverse. Avg. rate: 2bpm, Avg. psi: 900 to 2000 and back to 900psi. Shut in and stung out @ 650 psi. Wash up & rack up Schlumberger; Pull 4 stands. Secure well; Drain up; SIFN.

12/28/2004 07:00 - 12/28/2004 17:30

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Refocus after Holidays; Normal Ops; Drill retainer & cement; Tripping; Pressure testing). Rig up pumps & lines, stripping head. TOH w/ EZSV stinger/setting tool. LD stinger, PU 4 3/4" bit. TIH. PU Power Swivel. Drill out EZSV & Cmt. Leave soft Cmt over sqz perms (40'); Circulate bottoms up; Stand Back Swivel; TOH. Secure well; drain pumps & lines; SIFN.

12/29/2004 07:00 - 12/29/2004 18:30

Last 24hr Summary

Held Safety Meeting w/ crew, Blue Jet - discussed possible Hazards & how to avoid them: (Logging & Perforating; Normal Ops; Stormy, Windy weather). Blue Jet on location, but broke down (computer & electronic difficulties). Ran in for another power source, still no go. 2nd Blue Jet unit on location, but broke down also (road & hoist engine difficulties). Swap computers between units to cob together one good unit & pull CBL. Still no go. Wait on 3rd Blue Jet unit. Blue Jet #3 on loc. but #1 fixed; RIH w/CBL. Log from 3900' to 2700'. (TOC @ 3820') Again w/500 psi. Lay down logging tools; secure well; Drain up; Send CBL to town; SIFN.

12/30/2004 06:30 - 12/30/2004 17:30

Last 24hr Summary

Held Safety Breakfast Meeting w/ crew, Blue Jet - Bloomfield, NM -discussed possible Hazards & how to avoid them: (Logging & Perforating; Normal Ops; Poor road conditions). Fire up rig & PU W/L to pull GSL. Pull GSL from 3914' up to 2500'. RD Blue Jet; PU Bit & Scraper. TIH. Rig Broke - shuttle valve next to bendix gave up, can't build air to operate slips, etc. Call Mechanic. Mechanic set back - Secure well; drain up; SIFN.

12/31/2004 07:00 - 12/31/2004 16:30

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Normal Ops; Drill cement; Tripping; Rigging down). TIH & PU Swivel. Drill out remaining Cement. Circulate well w/ 100 bbl of clean 3%KCL. Psi test Sqz perms @ 3950' to 500 psi - Good. Come out Laying down. ND BOP's, NU Frac Tree. Rig Down & secure all skids. Move rig to next well location for standby. SIFN.

01/01/2005 06:30 - 01/01/2005 10:30

Last 24hr Summary

Held Safety Meeting w/ Dawn Trucking, discussed possible Hazards & how to avoid them: Rig Move. Move all skids & equipment over to stand by w/ rig on next location.

01/03/2005 06:00 - 01/03/2005 00:00

Last 24hr Summary

Location inaccessible via Hollis or PorkChop. Job Cancelled. Wait on Weather.

01/04/2005 06:00 - 01/04/2005 00:00

Last 24hr Summary

Still raining. Ran the roads out to Porkchop. Location inaccessible via Hollis or PorkChop. Wait on Weather.

01/05/2005 06:30 - 01/05/2005 17:00

Last 24hr Summary

Snow storm & low temps -Hollis impassable but Porkchop OK. Call out rig crew & get chains on rig & start moving toward Pork Chop. Took too long, missed the freeze, got stuck 1/2 way to Pork Chop. Suck rig out with grader and secure. Will try again tomorrow.

01/24/2005 07:00 - 01/24/2005 15:00

Last 24hr Summary

HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE LEWIS W/3 1/8" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 3785' - 3791' W/ 2 SPF, 3814' - 3819' W/ 2 SPF, 3919' - 3925' W/ 2 SPF, 3939' - 3941' W/ 2 SPF. A TOTAL OF 38 HOLES W/ 0.34 DIA. RD BLUE JET. RU ISOLATION TOOL. RU SCHLUMBERGER. FRAC'D THE LEWIS. TESTED LINES TO 5300 #. SET POP-OFF @ 3900 #. BROKE DOWN FORMATION @ 3 BPM @ 1110 #. PUMPED PRE PAD @ 31 BPM @ 1398 #. PUMPED 2000 GALS OF 15% HCL ACID @ 7 BPM @ 525 #. FRAC'D THE LEWIS W/ 20 # LINEAR 70 Q SLICK FOAM W/ 1 G/MG FR, 150,500 # 16/30 BRADY SAND, TREATED THE LAST 15% OF PROPPANT VOLUME WITH PROPNET FOR PROPPANT FLOWBACK CONTROL. 1,258,800 SCF N2 & 1236 BBLs FLUID. AVG RATE 45 BPM. AVG PRESSURE 1918 #. MAX PRESSURE 2058 #. MAX SAND CONS 2 # PER GAL. ISIP 1469 #. FRAC GRADIENT .45. RAN 3 ISOTOPE. RAN SCADIUM IN PAD. RAN IRRIDIUM IN THE .50 # & 1.50 #. RAN ANTIMONY IN THE 1.50 # W/ PN. SWI. RD SCHLUMBERGER. STARTED FLOWBACK.

04/05/2005 06:00 - 04/05/2005 15:00

Last 24hr Summary

Met @ Key for Monthly Safety Meeting: Discussed fire extinguishers; Derrick & Rod Basket pins; Sand line safety and technique for measuring wear. Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (Rigging down; Moving Rig; Rigging up - High wind). Scope down derrick; Pack up truck & Move to Federal #16. Floor fell off back of Rig while moving. Pull over to State Com Z #22 & weld it back on @ brackets. Continue to Federal #16. Move in rig up. High winds, leave Derrick down. Lay out flow lines; Pit; Pump, etc. Secure well; Check pressure (780 psi). SIFN.

04/06/2005 07:00 - 04/06/2005 17:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (Rigging up; Wireline Ops; Pressure Testing; Nippling Up/Down). Slickline Tag for Fill _ no fill @ 4000'. Raise Derrick; Finish rigging up. RU Wireline Unit; RIH w/5 1/2" FasDrill Bridge Plug (composite); Set @ 3735'. Dump 7 sx sand for top of 3685'. Load Hole w/2% KCL - 88bbl. ND Frac Valve & Flowback Spool; NU BOP's. Test BOP's: 300 psi low, 1500 psi high, Pipes & Blinds - All Good. Secure well; drain up; SIFN.

04/07/2005 07:30 - 04/07/2005 17:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (Wireline Ops; Perforating; Pressure Testing; Nippling Up/Down; Running EZSV; Picking up tubing). R/U Wireline truck; RIH w/sqz. gun & shoot 3 @ 2934'. PU EZSV & TIH 92 joints. Pump through tool, then set @ 2888'. Sting in & pump: broke circulation; Test tubing then circulate 20 bbl behind casing to C/O for squeeze; Sting back out & circulate casing clean to fill mud pit. Sting back in, secure well. Break out all valves on Pump and replace w/ new valves. Inspect & install whip-checks, grease valves & chicksans, & pull miscellaneous service work on rig. SIFN.

04/08/2005 07:00 - 04/08/2005 12:00

Last 24hr Summary

Held Safety Meeting w/ crew, BJ cement crew, Toolman, Waterman, discussed possible Hazards & how to avoid them (Pressure Testing; Rigging Up/Down; Cementing; Tripping tubing). Rig up rig & cement equipment for squeezing. Hold another PJSA; Pressure test pumps & lines to 2000 psi. Pump 10 bbl KCL ahead, fresh water spacer, 14 bbl (57 sx) Cement, Neat w/ 1% CaCl, 10.5 bbl water, Sting out & reverse. Observe 5 bbl good slurry in returns indicating 9 bbl across PC/FC interval behind 5 1/2" casing and 85' of coverage between 8 5/8" intermediate (2795' shoe) and 5 1/2" TOH w/ Stinger & TIH open ended to patch top perf w/ 3bbl cement. Winds picking up; Secure pipe, pull Derrick man out; Wait & watch. Wind worse; Secure all operations; Rack up Cement crew. SIFN. Will try again in A.M.

04/09/2005 07:00 - 04/09/2005 12:00

Last 24hr Summary

Held Safety Meeting w/ crew, BJ cement crew, Toolman, Waterman, discussed possible Hazards & how to avoid them (Pressure Testing; Rigging Up/Down; Cementing; Tripping tubing). Continue running in open ended. Rig up BJ Cement Crew. 5 bbl ahead; mix & pump 3 bbl cement @ 14.6 #/gal; Spot cement across top perms @ 2710'; displace w/ 9.5 bbl to balance; Pull 4 stands; Reverse out w/ 11 bbl. Pressure up to 1350 psi. Bled off to 1200 psi; Pressure back up to 1350 psi. Holding 1350 psi - Good. SIFN. Rack up BJ Cement Crew. Head in.

04/11/2005 07:00 - 04/11/2005 17:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (PU Collars; Pressure Testing; Rigging up Swivel; Picking up tubing; Drilling; Tripping). TOH w/ tubing; Pick Up Drill Collars; TIH w/ bit & collars. Rig up Swivel; Line out to Drill. Start Drilling Cement Plug @ 2608'. Broke through @ 2730'. Circulate clean & Test upper squeeze holes @ 2710' to 1000 psi - Good. Trip down to EZSV (2888') & begin to drill the top off. Circulate clean, PU tubing; Secure well; Drain up; SIFN.

04/12/2005 07:00 - 04/12/2005 17:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (Pressure Testing; Rigging up Swivel; Picking up tubing; Drilling; Tripping). Pick swivel back up; Run in & tag up on EZSV. Start drilling on EZSV. DOWN: Pump nipple split; Call welder; Remove & inspect suction & discharge valves; Replace Cap seals; Welder replace & reinforce manifold bracket stands. Continue drilling EZSV & cement to 2913'. Circulate clean; Pull up for night; Secure well; Drain up; SIFN.

04/13/2005 07:00 - 04/13/2005 17:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them (Pressure Testing; Rigging up Swivel; Picking up tubing; Drilling; Tripping; Logging; Laying down tubing). Continue to Drill. Broke through @ 15' down on #90. Run #91. Pressure test to 1100 psi - Good. Tie back Swivel. TIH to tag sand @ #114 + 10' = 3708'. TOH w/ bit & collars. TIH w/ Scraper. Roll hole w/ clean 2% KCL water (160 bbl). TOH Laying down tubing & scraper. RU Blue Jet; Log CBL from 3200' up to 2400', across squeezed zone. Good cover. RD Blue Jet. TIH w/ drill collars & come out laying down. LD Swivel; Rack up floor; NU BOP's; NU master valve (Wood Group to Install Frac Stack). Secure well; Drain up; SIFN.

04/14/2005 07:00 - 04/14/2005 10:00

Last 24hr Summary

Rig down derrick; Secure all skids; Pick up the trash. Move over to Lackey B LS #15E.

05/09/2005 06:00 - 05/09/2005 16:00

Last 24hr Summary

Held safety meeting. RU Blue Jet. Perforated the Fruitland Coal & Picture Cliffs. RIH W/ 3 1/8" 90 degree select fire gun. Perforated from 2748' - 2752' w/ 1 SPF, 2792' - 2796' w/ 1 SPF, 2813' - 2817' w/ 1 SPF, 2835' - 2845' w/ 1 SPF, 2881' - 2894' w/ 1/2 spf. A total of 40 holes w/ 0.34 dia. RU Schlumberger & isolation tool. Frac'd the Fruitland Coal & Pictured Cliffs. Tested lines to 5360 #. Set pop off @ 3850 #. Broke down formation @ 4 BPM @ 2528 #. Dropped 32 ball sealers in 1500 gals of 15% HCL acid @ 1 ball per bbl @ 12 bpm @ 1493 #. Good ball action. Balled off @ 3000 #. RIH w/ junk basket retrieved 31 ball sealers. RD Blue Jet. Pumped pre pad @ 31 bpm @ 1695 #. Stepped down rate to 25 bpm @ 1291 #. Stepped down rate to 20 bpm @ 1097 #. Stepped down rate to 15 bpm @ 843 #. Stepped down rate to 10 bpm @ 575 #. ISIP 345 #. 5 min 230 #. 10 min 190 #. 15 min 163 #. 20 min 135 #. 25 min 107 #. 30 min 88 #. Attempted to frac the Fruitland Coal & Pictured Cliffs. Pumped 156 bbls of fluid and 95.9 mscf N2 into pad @ 60 bpm @ 3100#. Fluid started coming out of braden head valve. Shut down due to csg leak. SWI. RD schlumberger & isolation tool.

05/12/2005 00:00 - 05/12/2005 17:45

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Rig Move; Rig up; Normal Ops; Wireline set plug). Pick up & Move all equipment from Hamilton #1A to the Federal #16. Raise Derrick & rig up. Rig up flow lines; Blow down casing (425 psi); ND Frac Valve; NU BOP's. Wireline on loc.; RU BlueJet; Pick up 5.5" WRP bridge plug; RIH & set @ 2743'. Lay down setting tools & pick up & run dump bailer w/ 1.5 ft3 of sand (8' - top of sand @ 2735); Lay down bailer; RD BlueJet. Load hole w/ 2% KCL water, 160 bbl, got circulation. Secure wellsite; SIFN.

05/13/2005 00:00 - 05/13/2005 17:45

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Test BOP's; TIH w/ RTTS; Testing; Cementing). Test BOP's: Pipes - 400 low, 2300 high; Blinds - 400 low, 2200 high - All Good. PU RTTS & TIH, picking up 2 3/8", strap & tally all pipe. Tag sand above WRP; pull up 2' & test - slow leak off, 500 psi/3min. Pick up above 2710' holes to 2680' test packer & establish circulation to 8 5/8", w/ no casing blow. Ran back in w 10' footers - everything below the 2710' sqz perms leaks off at 500 psi/3 min. Suspect small leak to be either split casing between top FC & sqz perms or bad seat @ the WRP bridge plug. Release Packer & TOH. Call Houston. Plan to remove WRP on Monday & replace w/ composite BP, test w/ packer & prepare to cement on Tuesday. Lay down packer; Secure well; SIFN.

05/16/2005 00:00 - 05/16/2005 18:45

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Wireline; C/O w/ air; TIH w/ RTTS; Testing; Cementing).
 MU Overshot & TIH; Unload hole w/ air; Wash down on WRP; Release WRP & TOH; Lay down Tools.
 RU Wireline; PU 5 1/2" Fasdrill Composite; TIH; Set Fasdrill Bridge Plug @ 2727' (Top).
 PU 5 1/2" RTTS packer & TIH; Set @ 2730' & test CBP 700 psi - Good; Pull up to 2490' & set RTTS; Test casing to 550 psi - good.
 RU Dowell/Schlumberger; Hold PJSA w/ rig crew, Toolman, Cement crew and discussed safety & practical adjustments to the planned cement job considering perfs are broke down & cannot take the hydrostatic load of 2700' of cement to surface. Decide on 30 bbl light (11.7#/gal) lead w 6 bbl 15.6# Tail.
 Test lines & mix & pump the 36 bbl of cement & kick the pumps out and let cement fall, pulling displacement water in to 10.5 bbl (9.6 to clear packer). Shut in & hesitate for two hours and only gaining 10-15 psi.
 Secure well; Lock in rams; Drain up & rack up all equipment. SIFN w/ 14 psi on tubing. W.O.C.

05/17/2005 00:00 - 05/17/2005 18:45

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Wireline; Drill out & Test Squeeze; TOH w/ RTTS; Tripping).
 Open tubing; squeeze on vacuum; Pressure test to 1000 - lost 300 psi in 3 minutes.
 Release Packer & TOH; Lay down tools & PU 4 3/4" bit & TIH. Tag TOC @ 2555; PU Swivel, break circulation & Drill out to 15' below sqz. perfs @ 2710'; Circulate clean.
 Close in at manifold & Pressure test entire system to 1200 psi - Good, held 5 minutes.
 Tie back swivel; TOH w/ bit.
 Rig up Blue Jet; RIH w/ CBL, CCL; Log across squeezed interval. Showing 95% or better bond (100% at the perfs and several other places) up tp 2400' +/- TOC is approximately 1800'. Called Houston w/ results; Rig down Blue Jet. Secure Well; SIFN.

05/18/2005 00:00 - 05/18/2005 18:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Wireline; Drill out CBP; Tripping). Wait on Orders. Remove & Replace Power Tongs.
 PU & Strap & tally 4 3/4" mill, bit sub, string float; TIH.
 PU Power Swivel; Start air; Unload hole; c/o to Fasdrill & begin to drill; Broke through & chased w/ singles to 3010'; Lay down 4; Lay down Power Swivel.
 TOH w/ mill.
 Rig up Blue Jet; Hold safety meeting; TIH w/ 5 1/2" Fasdrill composite BP @ 2914'.
 Rig down Blue Jet; NU Stripping Head.

05/19/2005 00:00 - 05/19/2005 18:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Tripping; Pressure testing; C/O w/ Air).
 TIH w/ bit & scraper; Clean out (5') to Fasdrill BP; Sweep twice and TOH.
 LD bit & scraper; PU RTTS and TIH to test CBP.
 Set RTTS @ 2905'; Load tubing. Pressure test Fasdrill CBP @ 2914' to 2350psi pump pressure + 1266psi hydrostatic = 4616psi Bottom Hole Pressure.
 Held good for 10 minutes; Release RTTS.
 TOH w/ RTTS & LD Tools.
 PU, strap, & tally 5 1/2" Halliburton Frac Liner & 20' of 2 7/8" N-80 tubing for liner.
 TIH w/ Frac Liner & get spaced out to put center over 2710' sqz perfs. Attempt to Jay off tool, but to no avail. Tried everything but no good.
 TOH. Lay down Tools. Secure well site; SIFN.

05/20/2005 00:00 - 05/20/2005 18:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Tripping; Rig Down, Move off). PU & Make up new 5 1/2" Frac Liner w/ 20' of 2 7/8" N-80 for liner. RIH.

Install Frac Liner centered over sqz perfs @ 2710'. Tool top @ 2695' & bottom @ 2725' w/ a 2.44" I.D.

TOH w/ Frac Liner setting tool & 2 3/8" tubing - laying down. LD Tools; ND BOP's; NU Frac Tree.

Rig Down & rack up all equipment. Prepare to move. Secure Well.

Move off rig & dog house - Trucks will move remaining rig package & air unit on Monday. Take rig to Key's yard to inspect transmission leak. Will move out to Hamilton #2A on Monday.

05/31/2005 07:00 - 05/31/2005 14:00

Last 24hr Summary

Held safety meeting. RU Schlumberger & isolation tool. Attempted to frac the Fruitland Coal & Pictured Cliffs. Tested lines to 5000 #. Set pop off @ 3850 #. Pumped pre pad @ 11 BPM @ 3600 #. Pumped pad w/480 bbls 25 # linear @ 13 BPM @ 3550 #. Computer went down on PCM. Had to shut down job. Pumped a total of 560 bbls of fluid. RD Schlumberger & isolation tool.

06/16/2005 00:00 - 06/16/2005 17:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Rig Down, Move Rig).

Rig down Key 30 & run road out for safer route down to bottom. Move off for Federal #16. Rig broke down w/ busted u-joint, slipped drive shaft, & tore up torsion bar mounting bracket. Call Mechanic; Call welder. Wind got up too high to cut/weld, but had welder inspect the job for early morning start. Secure roads in both directions w/ reflectors & deadwood barricades. Secure the rig. SIFN.

06/17/2005 00:00 - 06/17/2005 17:00

Last 24hr Summary

Rig crew met up w/ welder & mechanic @ rig. Hold PJSA. Cut out & replace frame cross member. Re-connect torsion bars; set up axles; connect drive shaft; mount wheels. Move rig from ridge down to bottom & have mechanic inspect repairs. Shut down. Move rig on monday.

06/20/2005 00:00 - 06/20/2005 18:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Move Rig; Rig up; Pressure test; PU pipe). Replace fitting in air line damaged by driveline incident.

Move up from Jicarilla Apache to Federal #16.

Rig up all equipment. ND Frac Tree; NU BOP's. Prepare to test BOP's.

Test BOP's: Blinds - 500 low, 2350 high; Pipes - 400 low, 2400 high - All Good.

PU Retrieving tool for frac liner & TIH picking up singles.

06/21/2005 00:00 - 06/21/2005 18:00

Last 24hr Summary

Held Safety Meeting w/ crew, discussed possible Hazards & how to avoid them: (Trip; Pull & run tools; Cement job; Lower derrick to repair fall arrest system). Run 7 more joints; Release Frac Liner; TOH w/ Frac Liner; Stop for derrick man to change to secondary fall arrest - first won't retract; Continue out & Lay down tools. PU 5 1/2" RTTS & RIH. Set @ 2546'. Pump down tubing for rate & pressure: 1050 @ 2 BPM. Load casing & test Packer: 500 psi - Good. Wait on cement crew. Eat. MIRU Cement service unit; Sqz. manifold; Swivel; wash up lines; water truck. Held Safety Meeting w/ crew, Cement crew, Toolman, & discussed possible Hazards & how to avoid them: (Mix & pump cement; possible reverse & pull packer; dropping balls during cement job). Cement Job to Squeeze PC/FC perfs from 2748' to 2894', 40 holes: 15 bbl fresh H2O ahead; Mix & pump cmt @ 13.5#/gal; after 5bbl cmt gone, start balls @ 1bbl/bbl; Balls hitting - job goes from 2bpm @ 1000 psi to 1/2bpm @ 3200 psi after 20 bbl slurry away, & 15 balls. Switch to H2O & displace, got 7 1/2 bbl away when all locked up @ 3200 psi, leave for 5 minutes; Bleed off pressure; Release RTTS; Reverse (2Xvolume) 23 bbl; Lay Down 4 joints; Re-set RTTS @ 2420'; Pressure up to 2500 psi - holding good; Shut in & hold pressure on sqz. 20 min. Wash up cement pump truck. Cementer opened tubing back to pump truck w/ no back pressure on valve, jumped a ball off seat, and pumped 3 bbl to only 200 psi. - thereby ruining a perfectly good 2500 psi squeeze! Will have to drill out & test to see if we did any good at all. Rack up cement crew; secure well; lock rams; SIFN.

06/22/2005 00:00 - 06/22/2005 18:00

Last 24hr Summary

Held Safety Meeting w/ crew, Toolman, & discussed possible Hazards & how to avoid them: (pull packer; Tripping; Drilling cement; Pressure testing). Test Squeeze TOC below packer to 1000 psi - good. Release RTTS. TOH w/ packer; Lay down tools; PU bit & scraper; TIH to tag cement @ 2550'. Pick up Swivel; Lay out flow lines; Prepare to drill. Drill cement from 2550' to 2894'; Clean out to Fasdrill CBP @ 2914'; Circulate clean. Shut in & test squeeze to 600 psi for 15 minutes - Good. Drill out Fasdrill CBP @ 2914'. Circulate clean. Re-test bottom squeeze holes @ 2934' to 550 psi - Good. Pick up 1 joint; Secure well; Lock rams; SIFN.

06/23/2005 00:00 - 06/23/2005 18:00

Last 24hr Summary

Held Safety Meeting w/ crew, & discussed possible Hazards & how to avoid them: (Drill out CBP; C/O w/ air; Pick up tubing). Tie back Swivel; TOH w/ bit & scraper; PU 5 1/2" junk mill; TIH.

Pick up Swivel; Pressure test air lines; RU flowback tank. Unload hole w/ air @ 2900'; continue in w/ singles; tagging & drilling down to 3735' - (Chacra Plug). Tag Fasdrill @ 3735'; Drill top off plug & take 700 psi N2 kick; Pull up & blow down; replace 3" as necessary; EAT. Start milling again; Broke through. Continue to chase plug in, picking up singles. Tag sand & plug carcass @ 4190'; Start Cleaning out sand. Got to 4237'; cutting out iron, getting windy, running out of time - Pump sweep; kill tubing; tie back swivel; pull ten stands to get above perfs (back to string float). Secure well; lock rams; pick up tools; SIFN.

06/24/2005 00:00 - 06/24/2005 17:00

Last 24hr Summary

Held Safety Meeting w/ crew, & discussed possible Hazards & how to avoid them: (Trip back in; C/O w/ air; Flow back). Blow down casing - 800 psi; Let flow for N2. Trip back to bottom; lack 5 joints to c/o; PU swivel. Clean out sand down to CIBP @ 4400'. Tubing 400 psi jamming air; casing 100 - 150 psi. Pull back up above perfs; Lay down swivel; let well flow. Let well flow to flow back tank through 1 5/8" ID line @ 40 - 50 psi. Secure well; SIFN.

06/27/2005 00:00 - 06/27/2005 17:15

Last 24hr Summary

Held Safety Meeting w/ crew, & discussed possible Hazards & how to avoid them: (Trip back in; C/O w/ air; Flow back). Blow down casing - 675 psi; TIH to tag - no new fill.

Unload hole w/ air; Dry up prior to flow testing. Install 1/2" choke in flowback line.

Begin Production Test up casing:

09:30 a.m.	216 psi	32/64 choke	Water 0 bbl	Oil 0 bbl
10:30 a.m.	199 psi	"	"	"
11:30 a.m.	186 psi			
12:30 p.m.	175 psi			
13:00 p.m.	179 psi			
13:15 p.m.	179 psi			
13:30 p.m.	179 psi			
13:45 p.m.	179 psi	32/64 choke	Water 0 bbl	Oil 0 bbl

For C-104 purposes, this calculates to 1.215 MMCFD, NO WATER, NO OIL.

Unload hole w/ air to check for water or oil - none brought back.

TOH w/ mill. PU 1.78" Baker 'F' profile nipple, expendable check; Drift all production tubing to 1.901"; Strap & Tally back in.

Too windy - Secure well; Lock rams; SIFN.

06/28/2005 00:00 - 06/28/2005 17:15

Last 24hr Summary

Held Safety Meeting w/ crew, & discussed possible Hazards & how to avoid them: (Trip in w/ Production; Drift all pipe; Unload hole; ND/NU; Pump out check; Rig down; Prepare to move).

Continue tripping in w/ production, drifting all pipe & laying down rejects.

Unload hole w/ air. Lay down 10 joints & PU 10' pup, 2' pup, tubing hanger.

Land Production (125 jts tubing) w/ EOT @ 3940'.

1.78" Baker 'F' profile @ 3938'.

ND BOP's; NU Wellhead. Pump out expendable check w/ air/water; Dry up hole; blow down to get air out of well.

Rig down & secure all equipment - prepare to move off.

Secure well; SIFN.

06/29/2005 00:00 - 06/29/2005 11:30

Last 24hr Summary

Held safety meeting w/ operators @ Conoco/Phillips: Discussed Purging SOP's; Near misses. Drive out to location. Hold pre-move PJSA; check pressures: tubing 660 psi, casing 660 psi.

Rig down service unit.

Secure well; Pull LOTO; move off.

Final report this job.