(August 1999)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0137
Expires: November 30, 2000

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. Lease Serial No. NMSF077106

1a. Type of Well ☐ Oil Well ☒ Gas Well ☐ Dry Other
b. Type of Completion ☐ New Well ☐ Work Over ☐ Deepen ☐ Plug Back ☒ Diff. Resvr,.
Other

6. If Indian, Allottee or Tribe Name

7. Unit or CA Agreement Name and no.

2. Name of Operator
ConocoPhillips Co.

8. Lease Name and Well No.
Lackey B LS 15E

3. Address
P.O. Box 2197, WL3-6081 Houston Tx 77252

3.a Phone No. *(Include area code)*
(832)486-2463

9. API Well No.
30-045-23880

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

At Surface Sec 29 T28N R9W 790FNL 880 FWL

At top prod. interval reported below

At total depth

10. Field and Pool, or Exploratory
Blanco Mesaverde

11. Sec., T., R., M., on Block and Survey or Area Sec 29 T28N R9W

12. County or Parish San Juan

13. State NM

RECEIVED MAY 2005 OIL CONS. DIV. DIST. 3

14. Date Spudded	15. Date T.D. Reached	16. Date Completed ☐ D & A ☒ Ready to Prod.	17. Elevations (DF, RKB, RT, GL)*
03/25/1980	04/06/1980	04/04/2005	5890 GL

18. Total Depth: MD 6682 TVD	19. Plug Back T.D.: MD 6668 TVD	20. Depth Bridge Plug Set: MD TVD

21. Type of Electric & Other Mechanical Logs Run (Submit copy of each)
DCL

22. 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 Sks. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
13.75	9.625 K55	36	0	225		224		0	
8.75/7.87	4.5 K-55	10.5	0	6682		439		2600	

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	6493							

25. Producing Intervals

26. Perforation Record

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) Blanco Mesaverde	4332'	4430'	4332' - 4430'	.34	53	Open
B)						
C)						
D)						

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

Depth Interval	Amount and Type of Material
4332'-4430'	Frac'd w/65 Q Slickfoam w/1 g/mg FR; 42,000# 16/30 Brady Sand; 616,800 SCF N2 & 764 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
04/04/05	3/22/05	24	→	<2	366	42			Flows from Well

Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status
1/2	SI 85	442	→					GSI

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.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status
			→					

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

ACCEPTED FOR RECORD
MAY 02 2005
FARMINGTON FIELD OFFICE

NMOCD

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 porsity and contents thereof: Cored intervals and all drill-stem tests, inlcuding 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 Cliff	2042
				Chacra	3008
				Mesaverde	3604
				Pt. Lookout	4336
				Gallup	5515
				Greenhorn	6283
				Graneros	6341
				Dakota	6455

32. Additional remarks (include plugging procedure):

This well was recompleted to the Otero Chacra and Blanco Mesaverde and is now a trimingle well producing from the Otero Chacra; Blanco Mesaverde and Basin Dakota. Daily Summary report is attached.

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 As Agent for ConocoPhillips Co

Signature Chris Gustartis Date 04/12/2005

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 fradulent statements or representations as to any matter within its jurisdiction.

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300452388000	SAN JUAN	NEW MEXICO	NMPM-28N-9W-29-D	790.0	N	880.0	W

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
5890.00	03/25/1980	04/04/1980	36° 38' 16.908" N	107° 49' 3.36" W

Start Date	Ops This Rpt
12/13/2004 08:30	Hold PJSA meeting with crew. Talked about moving rig to location. Talked about safely driving rig on highway, watching for traffic, using ground guides when backing, watching for production equipment on location, rigging up unit on lease, safely conducting well repairs, and other safety topics. Road Key #11 rig to wellsite. Lock out all production equipment. Move rig onto location and start rigging up Equipment. SICP- 180 Psi SITP- 180 Psi. Blowdown well into flowback tank. Rig up Expert Slickline Services to set plug in tubing. Trip in with 1.46" Plunger spring pulling tool. (Lease operator was unsure if well had plunger spring.) Made 2 trips with tool, no spring recovered. Trip into well with 1.43" FWE plug. Could not get plug to set. Trip out of well with plug and setting tool. Trip into well with CW plug and set at 6,436'. Rigged down slickline unit and released. Close in wellhead. Drain all lines of fluid. Secure lease. Shutdown operations for the day.
12/14/2004 07:15	SICP- 180 Psi SITP- 50 Psi Hold PJSA meeting with crew. Talked about conducting safe operations for the day. Safety topics included first aid, pinch points, using tools correctly, watching for trip hazards, fall protection, and other safety topics. Also outlined planned job operations. Blowdown tubing and casing to flowback tank. Tubing is dead, remove upper wellhead to see if tubing hanger has BPV threads. Threads of tubing hanger are too damaged to install swedge or BPV. Will have to use tubing spear to pull tubing hanger assembly. Install BOP assembly. Call Baker Oil Tools for tubing spear to pull hanger assembly. Rig up 1.757" O.D. Baker grapple onto tubing. Attempt to pull hanger assembly and tubing. Pulled to 12,000 lbs., grapple assembly came off of tool. Rig up 1.77" O.D. Baker grapple onto tubing. Pulled hanger assembly and tubing. Pulled to 21,000 lbs. Tubing and hanger are free. Rig down Baker tools. Install new tubing hanger assembly and reland tubing. Secured lockdown pins. Nipple up BOP assembly. Test BOP blind and pipe ram assemblies with a low (250 Psi for 10 min.) and a high (2,500 Psi for 15 min.) test. Tests were successful .Wood group removed BPV from tubing hanger, pull tubing hanger assembly. Sent in old tubing hanger for credit, also sent in new hanger to put in COPC stock. Trip 2 1/16" tubing out of well, inspecting and laying down on trailer. Came out of the hole with 205 joints of 2 1/16" tubing, 1- 2 1/16" Mule shoe and seat nipple. Rig up Blue Jet wireline to run composite bridge plug. Start into well with 2.99" gauge ring run. Went to 4,700'. Run into well with Baker composite bridge plug, set at 4,603'. Trip out of well with wireline. Rig down and release wireline unit. Close in blind rams, casing valves. Drain all lines of fluid. Secure lease. Shutdown operations for the day.
12/15/2004 07:15	SICP- 0 Psi Hold PJSA meeting with crew. Talked about conducting safe job operations. Outlined planned operations for the day. Load casing with 40 bbls of 2% kcl water with rig pump. Rig up Stinger wellhead protector. Attempt to test casing, went to 500 Psi. Stinger wellhead protector was leaking thru to casing valves.Bleed down pressure, had a lot of air trapped in fluid. Let air bleed down from well. Install longer mandrel onto Stinger tool. Sting back into well. Tested casing to 4,300 Psi for 15 mins. Tested successfully. Testing was witnessed by rig operator (Sergio Serna). Released pressure from well. Rig down Stinger tools and release crew. Nipple down BOP assembly, nipple up wellhead. Close in all valves on well. Well is ready for Mesa Verde completion operations. Start rigging down completion unit and all equipment. Cleaned and secured lease. Will move rig and all equipment on 12-16-04. Shutdown operations for the day.
12/16/2004 06:00	Rig move operations shutdown due to snow storm. Roads were slick and snow-packed.
12/24/2004 08:00	HELD SAFETY MEETING. RU BLUE JET. RUN DCL LOG FROM 4603' TO 2600'. PERFORATED THE MV W/ 2" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 4332' - 4346' W/ 1/2 SPF, 4368' - 4386' W/ 1/2 SPF, 4396' - 4410' W/ 1/2 SPF, 4418' - 4430' W/ 1/2 SPF. A TOTAL OF 33 HOLES W/ 0.34 DIA.
12/27/2004 07:00	HELD SAFETY MEETING. RU ISOLATION TOOL. RU SCHLUMBERGER. FRAC'D THE MESAVERDE. TESTED LINES TO 5300 #. SET POP OFF @ 3900 #. BROKE DOWN FORMATION @ 4 BPM @ 1267 #. PUMPED PRE PAD @ 25 BPM @ 2550 #. STEPPED DOWN RATE TO 20 BPM @ 1498 #. STEPPED DOWN RATE TO 15 BPM @ 1078 #. STEPPED DOWN RATE TO 10 BPM @ 673 #. STEPPED DOWN RATE TO 5 BPM @ 290 #. ISIP 0 #. PUMPED 1000 GALS OF 15% HCL ACID @ 6 BPM @ 986 #. FRAC'D THE MV W/ 65 Q SLICK FOAM W/ 1 G/MG FR, PUMPED 42,000 # OF 16/30 BRADY SAND. ONLY 34% OF TOTAL PROPPANT. DUE TO LIMITED PRESSURE. 616,800 SCF N2 & 764 BBLS FLUID. AVG RATE 33 BPM. AVG PRISSURE 2620 #. MAX PRESSURE 3890 #. MAX SAND CONS 1 # PER GAL. ISIP 3780 #. FRAC GRADIENT .44. RD SCHLUMBERGER.
01/01/2005 07:00	HELD SAFETY MEETING. SICP 450 #. RU COIL TBG. RIH W/ COIL TBG. TAGGED SAND @ 3759'. 941' OF FILL. CLEANED OUT FROM 3759' TO CIBP @ 4700'. PERFS @ 4332 TO 4430'. CIRCULATED WELL CLEAN W/ AIR. POOH W/ COIL TBG. SWI. RD COIL TBG.
01/03/2005 07:00	HELD SAFETY MEETING. RU SCHLUMBERGER. FRAC'D THE MESAVERDE. TESTED LINES TO 4000 #. SET POP OFF @ 2700 #. PUMPED PRE PAD @ 30 BPM @ 2110 #. STEPPED DOWN RATE TO 25 BPM @ 1472 #. STEPPED DOWN RATE TO 20 BPM @ 1129 #. STEPPED DOWN RATE TO 15 BPM @ 819 #. STEPPED DOWN RATE TO 10 BPM @ 519 #. ISIP 294 #. 5 MIN 0 #. PUMPED 1000 GALS OF 15% HCL ACID @ 6 BPM @ 412 #. ATTEMPTED TO FRAC THE MV W/ SLICKWATER W/ 1.3 G/MG FR, PUMPED 399 BBLS FLUID IN PAD @ 43 BPM @ 2591# SHUT DOWN DUE TO LIMITED PRESSURE. RU BLUE JET. REPERFORATED THE MV W/ 2" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 4332' - 4346' W/ 1/2 SPF, 4368' - 4386' W/ 1/2 SPF, 4396' - 4410' W/ 1/2 SPF, 4418' - 4430' W/ 1/2 SPF. A TOTAL OF 20 HOLES W/ 0.34 DIA. SWI. RD BLUE JET.

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
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5890.00	03/25/1980	04/04/1980	36° 38' 16.908" N	107° 49' 3.36" W

Start Date	Ops This Rpt
01/04/2005 06:00	HELD SAFETY MEETING. RU SCHLUMBERGER. FRAC'D THE MESAVERDE. TESTED LINES TO 4000 #. SET POP OFF @ 2700 #. PUMPED PRE PAD @ 35 BPM @ 1879 #. STEPPED DOWN RATE TO 30 BPM @ 1497 #. STEPPED DOWN RATE TO 25 BPM @ 1146 #. STEPPED DOWN RATE TO 20 BPM @ 977 #. STEPPED DOWN RATE TO 10 BPM @ 422 #. ISIP 303 #. 5 MIN 0 #. PUMPED 1000 GALS OF 15% HCL ACID @ 6 BPM @ 191 #. FRAC'D THE MV W/ SLICKWATER. PUMPED 80,000 # OF 16/30 BRADY SAND. 2620 BBLS FLUID. AVG RATE 38 BPM. AVG PRISSURE 2289 #. MAX PRESSURE 2519 #. MAX SAND CONS 1.50 # PER GAL. ISIP 829 #. FRAC GRADIENT .50. RD SCHLUMBERGER.
01/25/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Rigging up; Nippling up/down; Pressure testing; wireline ops). Move in & spot all equipment. Well dead - ND Frac Tree, NU BOP's. Rig up Expert Downhole & RIH to tag fill @4116'. Radiator sprung a leak - call mechanic & wait. (In the meantime, pulled old pit; one-called for new pit; hauled water) 2 1/16" tubing on loc. Spot trailer; strap & tally top row. Pressure test BOP's - 200 psi low & 2000 psi high - Blinds good. Pipes fail - remove & replace - re-test - 200 psi low & 2000 psi high - Pipes good. Still no mechanic. Will repair radiator tomorrow. Secure well; drain up; SIFN.
01/26/2005 08:00	Mechanics remove & replace radiator. L&R close pit that caved in & dig & line new pit.
01/27/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Rigging up; Nippling up/down; Pressure testing; Perforating; Tripping). Lay 2" line to pit; Replace test pump on rig. PU 80 joints 2 1/16"; Strap & Tally; RIH; Come out standing back. MIRU Blue Jet wireline unit; Run 2 9/16" Gauge ring & basket; Set 3 1/2" composite bridge plug @ 3500'. Test casing & bridge plug to 1000 psi for 5 min - Good. MU Sqz Gun; 4 JSPF; RIH & shoot 4 @ 3233'. bCaught fluid @ 10 bbl; injection rate: 1 1/2 bpm @ 300 psi. Attempt to make up EZ Drill. Won't make up. Send toolman in to fix it at the shop. Secure well; drain up; SIFN.
01/28/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Pressure testing; Setting Retainer; Tripping; Cementing). Rig up Blue Jet; Set Retainer @ 3203'; Rig down wireline Unit. TIH w/ retainer stinger; RU Schlumberger. Space out, sting in to retainer & test casing - not stung in & rams failed. Got stung in & replaced 2 1/16" rams. Put 300 on casing and trapped for job. Held PJSA w/ all hands: Key, Schlumberger, Halliburton, Dawn. Tested Pumps & lines to 5000 psi. Start job w/ 10 bbl water ahead - 900 psi @ 1 bpm. Start cement @ 14 ppg. Pressure very erratic, rate fairly stable @ 1 bpm. Displace w/ 5.5 bbl then shut down. Begin series of hesitations to gradually build psi from 250 psi up to 750 psi after 1 1/4 hour. Estimated TOC = 2600'. Sting out; TOH w/ stinger. Lay down tools; rack up service crews; drain up pumps & lines; secure well; SIFN.
01/31/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Pressure testing; Drilling out; Laying down pipe; rig down; prepare to move). Change out 2 1/16" rams & test - good. TIH w/ bit & scraper to tag cement @ 3060'. MU Swivel & drill cmt atop retainer; Drilling too soft - left 5' on retainer; Pump off dirty drill water; roll clean KCL water into well. Test cement top & retainer to 1000 psi - good. Lay down swivel; TOH laying down tubing, bit, scraper. ND BOP's; NU Wellhead; rig down, rack up, & prepare to move. Secure well & SIFN.
02/03/2005 08:00	HELD SAFETY MEETING. RU BLUE JET. PERFORATED THE CHACRA W/ 2" 90 DEGREE SELECT FIRE PERFORATING GUN. PERFORATED FROM 3010' - 3018' W/ 1 SPF, 3030' - 3075' W/ 1 SPF, 3131' - 3140' W/ 1 SPF, 3157' - 3163' W/ 1 SPF. A TOTAL OF 32 HOLES W/ 0.34 DIA. SWI. RD BLUE JET.
02/05/2005 12:00	HELD SAFETY MEETING. RU SCHLUMBERGER. FRAC'D THE CHACRA. TESTED LINES TO 4000 #. SET POP OFF @ 2700 #. BROK DOWN FORMATION @ 3 BPM @ 1178#. PUMPED PRE PAD @ 23 BPM @ 2510 #. PUMPED 1000 GALS OF 15% HCL ACID @ 6 BPM @ 841 #. FRAC'D THE CHACRA W/ 20# LINEAR 65 Q SLICK FOAM. 100,000 # OF 16/30 BRADY SAND AND TREATED THE LAST 15% OF TOTAL PROPPANT VOLUME WITH PROPNET FOR PROPPANT FLOWBACK CONTROL. 736,800 SCF N2 & 1050 BBLS FLUID. AVG RATE 33 BPM. AVG PRISSURE 2246 #. MAX PRESSURE 2510 #. MAX SAND CONS 2 # PER GAL. ISIP 1214 #. FRAC GRADIENT .45. SWI. RD SCHLUMBERGER. STARTED FLOWBACK.
02/24/2005 07:00	Met w/crew on State Com Z #22 - Cleaned 4' cement fines from rig pit; Moved all equipment but the rig & the air pkg to Lackey B LS #15E. Roads are shot, can't move, more rain expected. Made 1-call for Monday to blade road & move on Tuesday. Stacked, standby for weather.
02/25/2005 00:00	Rig Crew on Standby.
02/28/2005 00:00	Rig crew on standby
03/01/2005 06:00	Met at Key's yard for monthly safety meeting. Discussed February near misses, gate valves (slab & wedge types), etc. Picked up handling tools for 2 1/16" & headed to location. Fire up rig & get under air unit - drive to Lackey B LS #15E. Raise & guy derrick; rig up all equipment. Lay out & anchor two 2" flow lines w/mufflers to pit. Start Flowing back well. 950 psi, by two 2" lines to pit. Nipple down top of Frac head; Nipple down upper Frac Valve; Change out flow cross under BOP's. Kill w/ 25 bbl. ND bottom Frac Valve. Nu BOP's. Remove 2 3/8 rams & install 2 1/16 rams. Secure well; Drain up; SIFN.
03/02/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Pressure testing BOP's; Pick up tubing; Drilling out). Blow down casing (900psi); MU X-over, Tbg Hngr, 1 joint, load pressure test pump. Kill w/ 25 bbl. Test Blinds, 250 low, 2200 psi high - all good. Pipes leaking; Call for replacement; Replace; Test 225 low, 2000 high - all good. Clean out sand w/ air @ +- 1400 psi; tagged at 3170'; got hard & swivel up at 3200'. Start Drilling on Cmt Retainer @ 3203'. LD Swivel; Pull 6 stands. Secure well; drain up; SIFN.

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Start Date	Ops This Rpt
03/03/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; Drilling out; clean up rig). Blow down casing - 700 psi. Trip back in; Pick up Swivel; Unload hole. Mill on cement retainer @ 1200 to 1400 psi. Made 7' ; Pump sweep; Dry up. Think retainer is gone - Lay down swivel; TOH to change out mill for blade bit. Lay down Mill, PU blade bit - busted off at the tool joint (pin) on bit. Break out bit sub, remove broken piece from bit sub. Call Knight Oil Tools. Load up broken pieces. Secure well; drain up; SIFN. Head in w/ broken pieces, switch to Baker, pick up better bit & sub; pick up 10 gallons Friction Reducer from Halliburton.
03/04/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; Drilling out; clean up rig). Blow down casing - 800 psi. PU N-Rod 3-blade bit & TIH. Unload hole & continue drilling. Broke through at 3210'; ran in all of #100, & tagged on #101 @ 3238'. Continue drilling (cement). Pushing plug, SD @ 3299'. Unload hole w/air; TOH to run in w/open ended to flow test on Monday. Out w/ bit & collars; Secure well; drain up; SIFN.
03/07/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; Flow test; clean up rig). Blow down casing - 650 psi. TIH to 3203'; Unload hole w/ Air & continue to dry up Chacra. Making lots of water - put to flowback tank. Continuing to Flow & Blow. Begin C-104 flowback test on 1/2" choke. Flowback start @ 21 bbl. 12:45 75 psi 13:45 40 psi 14:45 55 psi (surging 100-150 psi when unloading water) 15:45 40 psi 16:00 35 psi 16:15 35 psi 16:30 35 psi (still surging to 100-150 psi when unloading water) 16:45 35 psi = 260 MCFD; Flowback @ 34 bbl = 13 bbl made = 78 BWPD 260 MCFD 78 Bbl Water/day 0 Bbl Oil/day Secure well; drain up; SIFN.
03/08/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Run Packer; Pressure test). TOH w/ tubing; TIH w/ 3 1/2" RTTS. Set RTTS @ 3203' & pressure test squeeze holes @ 3233'. No good: pressure falls from 500 psi to zero in less than one minute. Repeat several times - still no good. Pick pressure up to achieve injection rate of 1/4 bpm @ 1000 psi. Call for instructions; WOO; Call for cement crew; Call for special tools (retainer, etc.). Set job up for Thursday morning, waiting on 3 1/2" retainer & setting tools. Kill tubing; Release packer; TOH. Lay down Tools; Secure well; Drain up; SIFN.
03/09/2005 07:00	Arrived location; Held safety meeting; Blew down casing (840 psi); Flowed back Frac fluids while waiting on Special Tools (retainer, etc.) to arrive via FedEx; Discuss cement job with BJ engineer and arrange for trucks & crew for tomorrow. Made 48 bbl and started drying up; Secure well, drain up, SIFN.
03/10/2005 07:00	Waited for FedEx; discovered wrong tools sent from Casper, Wy; Sent rig crew home; Put cement crew on will call; Had correct tools shipped from Odessa.
03/11/2005 07:00	Safety meeting on Location. Wait on tools @ FedEx. Rig crew Stand by. Pick up tools @ FedEx; Run over to Blue Jet to match up w/ setting tool (Baker 05); Call out cement crew; call for water; Head to location. W/L on location; Rig up truck; Make up cmt retainer; PU Lubricator; Kill w/ 20 bbl; Set EZSV retainer @ 3200'; LD tools; Rig down truck. Test tubing & packer seal around stinger- good. Check injection rate - started out the same (1/4 bpm @ 1000) then broke down & went on vacuum. Sting out & unload hole w/ air; sting back in & pump 10 bbl - Observed Chacra flowing to surface suddenly died. At this point it appears that communication has been established between leaking squeeze perfs & bottom frac perfs of the Chacra, a distance of only 66'. Held PJSA w/ all hands: Key, BJ, Halliburton, Dawn, Basic Air. Discussed how the job would go and every person's role in it. Discussed ways to mitigate any safety issues. Tested Pumps & lines to 3500. Tested tubing again to confirm packer integrity at the seal; Injection rate = 2 bpm @ 85 psi. Based on the assumption that we are communicating to the Chacra, and that 4 bbl of slurry will fill 72' behind casing, and that we DO NOT WANT TO GET CEMENT TO THE CHACRA, We pumped 4 bbl of cement slurry (17 sacks) and opened the tank valve to gravity feed the displacement water to the stinger; Leaving 1/2 bbl in the tubing, we stung out & immediately began jamming air behind the water displacement. After 15 minutes some cement was observed in the air/mist returns. The retainer is closed w/ a positive pressure sliding valve and should prevent any further movement of the cement. Kill tubing & TOH w/ retainer stinger. Lay down tools; Secure well; Drain up; SIFN. WOC.
03/14/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; Drilling out; repair accumulator). Blow down casing: 740 psi. Swap out bit for mill. TIH W/ junk mill. Start Air. Unload hole. Start Milling on EZSV. Air unit going down - out of fuel. Made 4' on EZSV, decide to trip mill for bit while waiting for fuel truck. Back on bottom w/ bit; Air unit fueled up & back on line; Unload hole & Return to drilling. Made 1' more; Pull up above perfs; Secure well; Drain up; SIFN.

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5890.00	03/25/1980	04/04/1980	36° 38' 16.908" N	107° 49' 3.36" W

Start Date	Ops This Rpt
03/15/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; Drilling out; repair accumulator). Blow down casing: 730 psi. Trip back in & hook up Swivel. Unload hole & start drilling. Only made 1'. Decide to go back to Mill, allowing more aggressive drilling. TOH; LD Bit; MU Mill. TIH; PU Swivel. Pump another sweep to clean up cuttings & start milling. Broke through @ 3236'. Pump Sweep; Make another connection to make sure; circulate down, no stringers; dry up; kill tubing; LD swivel. TOH w/ mill; LD Mill; PU 3 1/2" RTTS; TIH w/ RTTS to test casing @ Squeeze (3233'). Set RTTS @ 3203' (102 jts.); Test to 500 psi, 10 minutes: Good. Release RTTS; TOH. LD Tools; Secure well; Drain up; SIFN.
03/16/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; Drilling out; repair accumulator/BOP's). Rig up H&H & Protechnics; Check CSIP: 750 psi; Pull Log across Chacra; Rig down W/L. Blinds bleeding off. Go back through Accumulator; Get blinds shut & lock 'em; Pull doors on pipes, check for sand or junk; Close & check - good; Tool Pusher recommends R&R BOP's tomorrow. ND master valve; NU Stipping Head. TIH w/ Baker junk mill; tag up @ 3267'. Make up Swivel. Start Air; Unload hole; Continue pushing Junk remainders downhole. Tag up MV plug @ 12' down on #109 (3502'); Drill out last junk & composite bridge plug. Continue pushing MV plug remainders downhole. Stop & Tally up more pipe. (@ 3680'). Pushed to 4116', tagged (sand?). Unload hole w/Air; pump sweep; Dry up tubing. POH 18 stands to get above Chacra; Land tubing hanger to secure well for BOP change out in A.M. Secure well; Drain up; SIFN.
03/17/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; Drilling out; Change out BOP's). Secure well for BOP Change out; Blow down casing: 740 psi; ND BOP's; NU new BOP's; Hook up & stroke rams - good; Test BOP'S - Good. TIH to 4116'. PU Swivel; MU Air; Unload hole & continue to chase plug remainders & C/O Sand. Made top perfs @ 4332' (#135). Continue down. Made 4545' (#141) leaving 135' rat hole below MV; Pump two sweeps; Dry up tubing. LD Swivel; POOH to above MV perfs for night (String float); Install TIW. Secure well; drain up; SIFN.
03/18/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; trip in and unload w/air; send pit to town; trip in open ended). TIH to tag @ 4520'. 25' of new sand. Wash down through sand; continue to blow on bottom. TOH w/mill & collars. Shut down to pick up, drain, and haul pit to town to fix leak. Continue to TOH. Kill w/ 25 bbl. Stand back collars; MU Cplg on 2 1/16" tubing. TIH to 4418'. Hook up to 1/2" choke. Turn well over to WSI for flowback overnight. Secure location; lock rams; drain up. Release Rig Crew.
03/19/2005 00:00	Back on loc at 0800 to find tubing dead & casing w/ 620 psi. Been zero all night. Showed flowback hand how to equalize & try and kick start tubing, but there appears to be a sand plug in tubing - too late, been dead too long. Gave up at 1100. Secured well; Secured "flowback ops"; SIFN.
03/21/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; unload w/air; tag & c/o sand; trip in open ended; 1 green hardhat to watch out for). Attempt to flow back tubing - still plugged; RD flow manifold, RU Kelly and air. Pump a few bbl down tubing, then start pressuring up w/ air; With air at 900 psi on tubing, and 690 psi on casing, blew down casing quickly and shook pipe - successfully dislodging bridge in tubing. Pump sweep & dry air up. Return well to flow back configuration; install 1/2" choke; and start flowback with 600 psi on casing and 600 psi on tubing. Secure flowback; Kill tubing w/ 5bbl; PU & RIH 3 joints to tag & c/o 25' of new sand; Sweep, kill, & LD 3 joints to return to flowback. Continue to flow back through 1/2" choke. Secure location; drain pumps; release rig crew. Well flowing @ 505psi casing, 140psi tubing. Still making nearly 250 BWPD. Turn over to flowback Hand for night.
03/22/2005 00:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; unload w/air; Pull tubing & RIH w/mill; 1 green hardhat to watch out for). Relieve Flowback hand; Made 103 bbl overnight: Avg water = 164.8 BWPD; Average tubing = 110.7 psi (688 MCFD); Average Casing = 442 psi Begin 4 hour C-104 Flow test. 10:00 90psi tubing 400psi casing 11:00 60psi tubing 390psi casing 12:00 90psi tubing 380psi casing 13:00 90psi tubing 380psi casing 14:00 95psi tubing 380psi casing Made 20bbl water = 120 BWPD; <2 BOPD Average Tubing pressure = 85psi = 626 MCFD for Chacra & Mesa Verde combined. 626 MCFD for Chacra & Mesa Verde combined, and 120 BWPD, and <2 BOPD. -260 MCFD for Chacra alone, and 78 BWPD, and 0 BOPD. (Tested 3-7-05) --- =366 MCFD for Mesa Verde by subtraction, and 42 BWPD, and <2 BOPD. Continue to flow back & call for flowback hand to watch overnight to continue to get water off.

Daily Summary

API/UWI	County	State/Province	Surface Legal Location	N/S Dist. (ft)	N/S Ref.	E/W Dist. (ft)	E/W Ref.
300452388000	SAN JUAN	NEW MEXICO	NMPM-28N-9W-29-D	790.0	N	880.0	W

Ground Elevation (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)
5890.00	03/25/1980	04/04/1980	36° 38' 16.908" N	107° 49' 3.36" W

Start Date	Ops This Rpt
03/23/2005 00:00	Relieve flowback hand; Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; unload w/air; tag & c/o sand; tripping mill; Drill out Plug; One green hardhat to watch out for). RD Flowback & choke; RU to pit & blow down casing - 350 psi. Rig up Swivel & Air. Start air; Unload hole; c/o sand; Start milling on Composite BP. Milling w/143 joints 2 1/16 + three 2" collars; w/4 points down & 800-858 ft/lbs torque - twisted off. Kill well & pull 19 jts. Call all interested parties and a Fisherman. Will attempt to grapple & pull w/ no jars, just an overshot. Wait on Baker. Baker on Loc. w/ 2 5/16" grapple - install on tubing & TIH 19 joints to Fish. Can't make up - TOH to inspect grapple. Fish not entering control. Must be flaired out box. SD & re-group. LD fishing tools; Secure well; SIFN.
03/24/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Lay down tubing; Fishing; tripping mill; One green hardhat to watch out for). Blow down casing: 560 psi. Kill w/20 bbl. MU Spear & TIH to top of fish. Spear & pull; String weight normal, TOH. LD Spear; Kill casing; TOH Laying down 2 1/16" tubing. Load all extra 2 1/16 tbg on float for return to Tuboscope. Secure well; Drain up; SIFN.
03/28/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; tripping mill; Mill out Plug; One green hardhat to watch out for). Blow down casing: 640 psi. Kill casing w/ 30 bbl. PU Mill & TIH on 2 1/16" tubing. Strap & Tally pipe. Tag up; MU Swivel & Kelly hose; Rig up to Air. Unload hole & clean out sand & start milling on plug. Broke through Plug @ 4600'. Pump sweep & start chasing to bottom. Tag @ 6300'; Pump sweep; Unload & dry up; Kill tubing. Pull 33 stands to above Mesa Verde. Secure well; Drain up; SIFN.
03/29/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; tripping mill; Mill out Plug; One green hardhat to watch out for). Blow down casing: 640 psi. Trip back in to fish @ 6300'. PU Swivel; hook up air; unload hole. Continue Milling/Chasing Plug Remnant. 20' in 5 hours - mill worn out - Pump sweeps & dry up. Kill tubing; Tie back Swivel. TOH. Secure well; Drain up; SIFN.
03/30/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; tripping mill; Mill out Plug). Blow down casing: 640 psi. Kill w/ 30 bbl & TIH to 6300'; Make up Swivel; Start air. Unload Hole @ 6300'; C/O 3' new sand; Sweep.Start back milling on Plug Remnants.Finally broke through tight spot on #200. PU 5 singles & start cleaning heavy sand across Dakota. Tagged @ 6480' Clean out to #207 (6547'). Pump two sweeps. Kill tubing & Lay Down 6 joints to 6360' (leaving mill in 4 1/2" casing overnight - wind too high to pull stands). Secure well; Drain up; SIFN.
03/31/2005 07:00	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; tripping mill; Mill out Plug; One Green Hardhat to watch out for). Blow down casing: 640 psi. PU 6 joints w/Swivel to #207 & hook up to air. Wash down #207 (3' new sand) to 6543'. Wash down #208 (hitting plug remnants; well loading up to 1700 psi; stopping to dry up, etc, took four hours) to 6574'. Wash down #209 (got half way in & drilled off again - kept on plug remnants for 3 hours then started making hole) to 6605'. Wash down #210 (making hole now - seems all sand) to 6636'. Running low on fuel & daylight. Pump two sweeps to get clear. Lay down 8 joints for overnight (puts bit below 3 1/2 & above Dakota). Secure well; Drain up; SIFN.
04/01/2005 06:45	Met at Conoco/Phillips w/rig operator for monthly safety meeting for supervisors. Rig crew at Key for training. Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; tripping mill; Clean out sand; Lay down string; One Green Hardhat to watch out for). Blow down casing: 640 psi. PU & RIH back to #210; Make up Swivel. Start Air; Wash down #210 (3' new sand); Sweep. Make up #211 & wash down to 6645' (39' rat hole). Hit more junk; Called it good. Sweep. TOH Laying down work string, collars & mill. Secure pipe trailer for removal. Secure well; drain up; SIFN.
04/02/2005 07:00	Tuboscope to check on tubing; Key Rig 30 to check on 30-day rig maintenance; Knight to deliver 2 1/16" drilling/handling tools; Federal #16 to run roads out prior to Tuesday Rig Move.
04/04/2005 06:45	Held pre-job safety meeting w/ crew - discussed possible hazards & how to avoid them (Normal ops; Pick up tubing; Pump out Plug; Nipple Up/Down; Land Production; Rig Down). Blow down casing: 640 psi. Strap & Tally 2 1/16" tubing; Lay down Swivel; Install 'F' nipple & expendable check; Prepare to run production. Kill casing w/20 bbl. Pick up & RIH w/production tubing. Land 208 joints 2 1/16" IJ Tubing w/ End of Tubing @ 6493.32'. Top of 1.43 'F' Profile Nipple @ 6490.66'. ND BOP's; NU WellHead. Pump out Expendable Check w/ Air & 5 bbl water; Unload hole. Rig Down & prepare to move in morning. Secure well; Finish racking up Pump; SIFN.