

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE \*  
(See other instructions on reverse side)

FORM APPROVED  
OMB NO. 1004-0137  
Expires: February 28, 1995

COPY

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

<b>1a. TYPE OF WELL</b> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>						<b>5. LEASE DESIGNATION AND SERIAL NO.</b> SF 079947	
						<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME</b> Helen Jackson	
<b>b. TYPE OF COMPLETION:</b> NEW WORK DEEP- DIFF. RESVR. <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> WELL <input type="checkbox"/> OVER <input type="checkbox"/> EN <input type="checkbox"/>						<b>7. UNIT AGREEMENT NAME</b> Helen Jackson	
						<b>8. FARM OR LEASE NAME, WELL NO.</b> Helen Jackson #2E	
<b>2. NAME OF OPERATOR</b> CONOCO INC.						<b>9. API WELL NO.</b> 30-045-24931	
<b>3. ADDRESS OF OPERATOR</b> 10 Desta Drive, Ste. 100W, Midland, Texas, 79705-4500						<b>10. FIELD AND POOL, OR WILDCAT</b> Blanco Mesa Verde	
<b>4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)</b> At surface 1010' FNL & 1660' EST UNIT LETTER "B" At top prod. Interval reported below At total depth						<b>11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA</b> Sec., 33, T29N-R9W	
		<b>14. PERMIT NO.</b>		<b>DATE ISSUED</b>		<b>12. COUNTY OR PARISH</b> San Juan County	
						<b>13. STATE</b> NM	
<b>15. DATE SPUDDED</b> 4-11-81		<b>16. DATE T.D. REACHED</b>		<b>17. DATE COMPL. (Ready to prod.)</b> 4-17-99		<b>18. ELEV. (DF, RKB, RT, GR, ETC) *</b> 5902' GL	
<b>19. ELEV. CASINGHEAD</b>							
<b>20. TOTAL DEPTH, MD &amp; TVD</b> 6345'		<b>21. PLUG, BACK T.D. MD &amp; TVD</b> 6843'		<b>22. IF MULTIPLE COMPL. HOW MANY *</b>		<b>23. INTERVALS DRILLED BY</b> ROTARY <input type="checkbox"/> CABLE <input type="checkbox"/> TOOLS <input type="checkbox"/> TOOLS <input type="checkbox"/>	
<b>24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) *</b> 4553' - 4914' Blanco Mesa Verde						<b>25. WAS DIRECTIONAL SURVEY MADE</b>	
<b>26. TYPE ELECTRIC AND OTHER LOGS RUN</b> Depth Correlation Log						<b>27. WAS WELL CORED</b>	
<b>28. CASING RECORD (Report all strings set in well)</b>							
CASING SIZE/GRADE		WEIGHT, LB/FT		DEPTH SET (MD)		HOLE SIZE	
9 5/8"		36#		291'		12 1/4"	
7"		23#		2849'		8 3/4"	
<b>29. LINER RECORD</b>				<b>30. TUBING RECORD</b>			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKET SET (MD)
					2 3/8"	6732'	
<b>31. PERFORATION RECORD (Interval, size and number)</b>				<b>32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.</b>			
See Attached Summary.				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
<b>33. * PRODUCTION</b>							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump)				WELL STATUS (Producing or shut-in)	
4-17-99		Flowing				Producing DHC #1208 MC #2904	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS - OIL RATIO
4-15-99	24 HRS	1/4"		1/2 BBL	171 MCFPD	18 BBL	
FLOW TUBING PRESS	CASING PRESSURE	CALCULATED 24 - HR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR)	
130#	250#		1/2 BBL	171 MCFPD	18BBL		
<b>34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)</b> V						<b>TEST WITNESSED BY</b> Wesley Herrera W/Key Energy	
<b>35. LIST OF ATTACHMENTS</b> Summary							
<b>36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records</b>							
SIGNED <u>Verla Johnson</u>				TITLE <u>VERLA JOHNSON, As Agent for Conoco Inc.</u> DATE <u>4-22-99</u>			

NMOCD



CONOCO INC.  
**HELEN JACKSON 2E**  
API #30-045-24931  
1010' FNL & 1660' FSL, UNIT LETTER "B"  
Sec. 33, T29N-R09W

**3/29/99** MIRU. Spot equip. Check well, 150# tbq 170# csg. Bleed off csg and kill tbq w/5 bbls 2% KCL. ND wellhead and NU BOP. TOO H w/ total 219 jts of 2 3/8" tbq, seating nipple, 1 jt used as tail pipe. Jt above SN had plunger spring inside. Tally pipe @ 6781.77.

**3/30/99** Check well 250#. Bleed off pressure. RU Blue Jet, RIH w/ GR/CCL and run correlation strip log from 5100' to 4000' (wlm). POOH, PU 4 1/2" Halliburton composite plug. RIH to 5000', set plug, POOH. RD w/ in order to move in float w/ 3500' of N/80 tbq. Spotted float. TIH w/ 4 1/2" Halliburton RTTS packer and 56 stands of 2 3/8" tbq. Set packer @ 3475'. Filled csg w/ 36 bbls 2% KCL. Pressure test csg to 3000#. Held ok. TOO H w/ tbq & packer. RU w/l. RIH w/ 3 1/8" HSC perforating gun. Shoot 31- 18 gm shots as follows: 4553', 55', 58', 64', 66', 69', 73', 75', 79', 81', 89', 98', 4607', 09', 14', 39', 41', 62', 64', 4705', 07', 26', 28', 82', 86', 88', 4887', 89', 92', 4912' & 14'. Pooh, RD w/l. Start PU and tallying N/80 tbq. TIH w/ 2 3/8" N /80 tbq and 4 1/2" RTTS packer. TIH to 2500'.

**3/31/99** Check well 190#. Bleed off pressure. Finish TIH w/ 2 3/8" tbq & 4 1/2" RTTS packer. Set packer @ 3494'. RU BJ and prep to acidize PLO perms. Break down w/ 750 gals. 15% HCL. Pressure test lines to 4000#. Breakdown w/ water @ 2000#. Max pressure 2000#, avg pressure 1050#. treating rate 4 1/2 bpm. ISDP 200#, fluid to recover 64 bbls. Used 46- 7/8" 1.3sg ball sealers to ball off. Saw some ball action, did not ball off. RD BJ. TIH w/ 24 stands and knocked balls off with packer. TOO H to just above the liner top.

**4/1/99** Check well 200#. Bleed off pressure. TIH w/ 24 jts and 4 1/2" RTTS packer. Set packer @ 3494'. RU frac valve. RU BJ, prep to frac PLO max pressure set @ 5000#. Set monitor on backside, could not add pressure due to open Chacra perms. Test lines to 6000#. Frac PLO w/ 62496 gals low gel and 62300# 20/40 AZ sand and 18900# 20/40 SDC. Max pressure 4800#, avg pressure 4326#, rate 22bpm, ISDP 300#- on vac in 15 mins, max sand conc. @ 2.5#, 1202 bbls of fluid to recover. Frac'd in 5 stages + flush. Lost one of the pump trucks during 2nd stage due to mechanical problems. Pressure on backside increased from 89# to 639# over the course of the frac. Pressure came down after frac was completed. RD BJ, release packer, TOO H w/ N/80 tbq and packer. RU Blue Jet. RIH w/ 4 1/2" Halliburton composite plug. Set down @ 4320' could not make hole. Retry after 10 mins had past, sat down @ 4290'. Believe that there may be some communication between 3494' & 4553'. Conferred w/ engineering and decided to evaluate the situation further before proceeding w/ 2nd stage. RD w/l and BJ

**4/5/99** Open up well (vacuum) RIH w/ 3 7/8" bit and tag fill at 4224' clean out to 4474' using drill gas and water sweeps to circulate. Circulate hole clean and start out of hole, stuck tubing but worked it free and came out of hole w/ tbq.

**4/6/99** Open well 50 psi bleed off pressure, RIH w/ string float and mule shoe on 2 3/8" tbq. And tag fill at 4274' clean out sand to 4400' and fell through to 4640' and tag sand again and clean out to 4920' circulate hole clean and pull up out of liner.

**4/7/99** RIH w/ seating nipple and tag fill 4870', cleanout to composite plug at 5000' and pull up hole to 4490 and land tbq. And flow well up tbq. On 1/2" choke, csg. 540 psi, tbq. 280 psi in three hours tbq. Was dead and casing pressure was 240 psi. Bleed well down and RIH and tag fill 4980' POOH.

**4/8/99** Open well up 280 psi, bleed well off, rig up wireline and RIH w/composite plug set at 4520' rig down e-line RIH w/ pkr set at 3460' load hole and test csg. To 3000 psi (ok) circulate hole clean and POOH w/ packer rig up e-line and run CBL from plug at 4520' up to 3300' log showed 60 to 80% from 4520' up to 3980' and excellent bond from 3980' up to 3400' pooh and rig perforating guns and perforate the following intervals at one shot / foot 4553', 4555', 4558', 4564', 4566', 4569', 4573', 4575', 4579', 4581', 4589', 4598', 4607', 4609', 4614', 4639', 4641', 4662', 4664', 4705', 4707', 4726', 4728', 4782', 4786', 4788', 4887', 4889', 4892', 4912', 4914' POOH and rig down e-line RIH w/ packer on 2 3/8" n-80 frac string and leave swinging above liner top at 2500'.

CONOCO INC.  
**HELEN JACKSON 2E**  
API #30-045-24931  
1010' FNL & 1660' FSL, UNIT LETTER "B"  
Sec. 33, T29N-R09W

**4/9/99** RIH and set packer at 3519' rig up BJ and test lines to 4000 psi break well down w/ water at 1500 psi, ISIP 600 psi acidize w/500 gallons 15% HCL blocked w/ 45 1.3 ball sealers average rate 4 bpm average pressure 2000 psi flushed w/ 39 bbl 15 KCL ISIP 500 psi, release packer and RIH to knock balls off perfs and pull up hole to 2300' leave packer swinging.

**4/10/99** RIH w/ packer on 2 3/8" n- 80 tubing set pkr. At 3462' pump 50 bbl 1% KCL down backside into Chacra perfs. Test lines to 6500 psi and frac Menefee w/ 37,212 gallons 15# x-link gel carrying 45000# 20/40 AZ sand and 23000# super DC sand average rate 19 bpm average pressure 4950 psi ISDP 1100#, 5 min 941#, 10 min 941#, 15 min 941# (well started to screen so we switched to super DC and were able get all of the SDC in place and flushed leaving the actual sand in place 14,000# short of design).

**4/12/99** Open well, 250 ps, flow well on 1/2" choke, recovered 20 bbls water, release pkr. And POOH laying down frac string, RIH w/ 3 7/8" metal muncher mill, stage in hole blowing fluid out w/ gas tag fill at 4240' clean out sand to 4429' and circulate hole clean, pulled mill up out of liner.

**4/13/99** RIH and tag fill at 4280', clean out sand to plug at 4520' circulate hole clean then drill out composite plug at 4520' RIH and tag fill at 4864' and clean out to 4920', circulate hole clean and pull tbg up out of liner.

**4/14/99** Open well up 400 psi, bleed well down POOH w/ mill, RIH w/seating nipple to 4920' and blow well w/gas, pull up hole to 4100' rig up flow line and flow well. Dry watch well 300 psi csg 130 psi tbg.

**4/15/99** Dry watch through the night. Well test 1/4" choke, tbg. pressure 130 psi, csg. pressure 250 psi, 171 MCFPD. 1/2 bbl oil/ day, 18 bbl wtr. /day, tbg. Set at 4100'. Test witnessed by Wesley Herrera w/ Key Energy.

Bleed off csg, kill tbg. POOH w/ seating nipple, RIH w/and tag fill at 4900' c/o to bridge plug at 5000' drill out composite plug, circulate hole clean pull up above liner.

**4/16/99** Open well 380 psi, bleed well off RIH w/ 3 7/8" mill tag fill at 6815' and clean out to PBTD at 6843' POOH w/ mill and RIH w/SN to 2500'.

**4/17/99** Open well 395 psi, bleed well down RIH w/ seating nipple tag fill at 6830' and clean out to 6843', circulate hole clean pull up hole and land tbg. at 6732' ND BOP NU wellhead RDMO.