

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTSUBMIT IN DUPLICATE *
(See other in-
structions on
reverse side)FORM APPROVED
OMB NO. 1004-0137
Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *						5. LEASE DESIGNATION AND SERIAL NO. CONT-145	
1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>						6. IF INDIAN, ALLOTTEE OR TRIBE NAME JICARILLA	
						7. UNIT AGREEMENT NAME JICARILLA K	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input checked="" type="checkbox"/> DEEP-EN <input type="checkbox"/> DIFF. RESVR. <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>						8. FARM OR LEASE NAME, WELL NO. #11	
2. NAME OF OPERATOR CONOCO INC.						9. API WELL NO. 30-039-20284	
3. ADDRESS OF OPERATOR 10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915-686-5424)						10. FIELD AND POOL, OR WILDCAT BLANCO MESA VERDE	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) * At surface 1455' FNL - 1045' FWL, UNIT E At top prod. Interval reported below At total depth						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA E SEC. 2, T25N- R05W	
				14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH RIO ARriba COUNTY	13. STATE NM
15. DATE SPUDDED 10-17-89	16. DATE T.D. REACHED 12-03-97	17. DATE COMPL. (Ready to prod.) 12-03-97	18. ELEV. (DF, RKB, RT, GR, ETC) * 6634' GL 6645' RKB	19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 7458'		21. PLUG, BACK T.D. MD. & TVD 7426'		22. IF MULTIPLE COMPL. HOW MANY *		23. INTERVALS DRILLED BY ROTARY <input checked="" type="checkbox"/> CABLE <input type="checkbox"/> TOOLS <input checked="" type="checkbox"/> TOOLS <input type="checkbox"/>	
24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 5007' - 5297' BLANCO MESA VERDE						25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL						27. WAS WELL CORED	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE		WEIGHT, LB/FT		DEPTH SET (MD)		HOLE SIZE	
10-3/4"		24#		312'		13-3/4"	
7-5/8"		11.6/10.5#		3199'		9-7/8"	
4-1/2"				7456'		4-1/2"	
29. LINER RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT *	
4 1/2"		3051		7456		1100	
30. TUBING RECORD							
SIZE		DEPTH SET (MD)		PACKET SET (MD)			
2-3/8"		7300' (TEST)		Temp @ 5350'			
31. PERFORATION RECORD (Interval, size and number)							
SEE ATTACHED STIMULATION SUMMARY				ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
33. * PRODUCTION							
DATE FIRST PRODUCTION 12-03-97		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING				WELL STATUS (Producing or shut-in) SHUT IN	
DATE OF TEST 12-03-97		HOURS TESTED 24 HRS		CHOKE SIZE 1/2"		PROD'N FOR TEST PERIOD 1	
FLOW TUBING PRESS 210#		CASING PRESSURE 250#		CALCULATED 24 - HR RATE →		OIL - BBL 1	
						GAS - MCF 844 MCFD	
						WATER - BBL 1	
						OIL GRAVITY - API (CORR)	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) VENTED						TEST WITNESSED BY	
35. LIST OF ATTACHMENTS SUMMARY							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Sylvia Johnson</u>				TITLE SYLVIA JOHNSON, As Agent for Conoco Inc. DATE 01/05/97			

37. SUMMARY OF POROUS ZONES: (Show all important zones of 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):				
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	
38. GEOLOGIC MARKERS				TOP
			NAME	MEAS. DEPTH
			Pictured Cliffs	2930
			Cliff House	4633
			Point Lookout	5160
			Gallup	6347
			Base Greenhorn	7160
			Dakota	7190
				TRUE VERT. DEPTH

CONOCO INC.
JICARILLA K #11
API # 30-039-20284
SEC 02 T25N - R05W UNIT LETTER "E"
1455' FNL - 1045' FWL

11/17/97 MIRU. Csg. 700 psi and tbg 650 psi. NDWH & NUBOP. Ran 3 jts. to tag (DID NOT TAG). POOH with 2-3/8" tbg. Tally out, total tally 7394'. Tbg was landed @ 7308'. Will tag and clean out with gas later if needed.

11/18/97 RU BJ, ran Gamma strip log. RIH set Hallib Fas Drill Plug @ 5350'. Load hole with 1 % KCl water, and test to 1000 psi. OK. Perf MENEFE/POINT LOOKOUT w/ 3-1/8" HSC w/ .32" holes size. Perf @ 5007-09-11-13-15-5178-80-82-84-5200-02-04-06-08-12-14-16-18-20-30-32-34-36-38-62-64-66-68-70-85-8793-95-97. Total holes 34. Pressure csg to 1000 psi while perforating. Perfs broke down and could pump in @ 750 psi. RIH w/ Hallib 4-1/2" pkr and 2-3/8" tbg, to 4900'.

11/19/97 RIH and set pkr @ 5327'. Test tbg, pkr and plug to 3000 psi. OK. Release pkr and pull up to 4900'. Set pkr and pressure backside to 500 psi. Acidized with 500 gals 15% HCl acid w/ 50 ball sealers 1.3 SG. Pumped @ 5 bpm avg. rate @ 2100 psi avg. pressure. Max pressure 2800 psi. Good ball action, did not ball off. ISIP 1400 psi. Release pkr and POOH w/ 2-3/8" tbg and pkr. RIH w/ Hallib 4-1/2" double cup seal assy, 3 jts 2-7/8" tbg, Hallib 7-5/8" pkr and 3-1/2" tbg. Set 7-5/8" pkr @ 3021' and bottom seal assy @ 3116'. Test backside to 500 psi. OK.

11/20/97 RU BJ to frac. Fraced (MV) Menefee/Point Lookout w/ 70,000# of 20/40 AZ sand and 6,000# of 20/40 SDC sand. Total sand pumped 76,000#. Total fluid pumped 1412 bbls of 15# X-Linked gel. Avg. rate 34 BPM @ 2600 psi avg. pressure. Max pressure 2980 psi. Max sand conc. 3#/ Gal. ISIP 900 psi. 15 min 400 psi.

11/21/97 Release Hallib pkr. POOH w/ 3-1/2" tbg, Hallib 7-5/8" pkr, 3 jts 2-7/8" tbg and 4-1/2" Hallib Fas Drill Plug @ 4000'. Tested csg and plug to 1000 psi. OK. RIH w/ 3-1/8" HSC gun. Perf Chacra @ 3873-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99 w/ 2 SPF. Total holes 52. Pressure up to 1000 psi. Perfs broke down. RIH w/ 4-1/2" Hallib double cup seal assy, 3 jts 2-7/8" tbg, Hallib 7-5/8" pkr, and 3-1/8" tbg. Set pkr @ 3021' and seal assy @ 3116'.

11/24/97 RU BJ. Pressure backside to 500 psi.-OK. Pumped 200 gals 15% HCl acid @ 7.9 BPM avg. rate @ 960 psi avg. pressure. ISIP 730 psi, 15 min 220 psi. Fraced Chacra w/ 74,940# of 20/40 AZ sand and 6,500# of 20/40 SDC sand. Avg. treating pressure 3400 psi, avg. treating rate 10.5 bpm. Max pressure 3500 psi. Total fluid pumped 51,665 gals. Of 1% KCl water, w/ 77,800 SCF of N2. ISIP 2300 psi.

11/25/97 Tbg press 1530# RU choke manifold vent lines compressors start flow back tbg press down to 560# recovered 100 bbls HSO will flow back tonight.

11/26/97 Csg and Tbg press 75# well flowed thru. 1/2" choke 470 MCFD end of tbg 3021' made 1 bbls of H2O fluid kill well 20 bbls 1% KCl release pkr POOH w/ 96 jts 3-1/2" frac string 7-5/8" treating pkr 3 jts 2-7/8" tbg 4-1/2" seal assembly RU blewey line.

11/28/97 580# csg press. Flow back well RIH w/ milling tool 2-3/8" tbg. Tag fill 3920' 80' of fill on plug no perfs covered. Pull up tbg to 7" csg.

11/29/97 580# csg press flow well down RIH milling tool tag fill 3920' clean out to 4000' mill out plug took 15 min, lots of press below plug flow well making lots of sand and water recovered 100 bbls H2O well stop making sand very little water pull tbg up into 7" csg.

CONOCO INC.
JICARILLA K #11
API # 30-039-20284
SEC 02 T25N - R05W UNIT LETTER "E"
1455' FNL - 1045' FWL
(CONT.)

COF

12/02/97 Well flowed csg press 250# tbg 210# stabilized pressure. Made 1 bbls oil 1bbls H2O 1314 MCF/24 hrs. end of tbg 5010' RIH milling tool tag fill 5300' clean to plug 5350' mill out plug flow back well making some sand clean up well POOH w/ milling tool RIH saw tooth collar SN 500' of 2-3/8" tbg. Will land 2-3/8" @ 7300'.

12/03/97 Csg press 780# tbg press 640# open tbg well flowed real strong use 60 bbls 1% KCl to kill well RIH tbg tag fill 7370' 56' of fill 38' of DK. Perfs covered start cleaning fill.

12/04/97 Csg press. 760# tbg press 670# blow well down RIH tag fill 7355' made 15' of new fill clean fill to 7420' circ. hole pull up tbg RIH tbg tag no new fill pull up tbg to mid perfs. Landed SN @ 7360' SWI.

12/05/97 Csg press 760# tbg 740#. Blew well down. Use 20 bbls 2% KCl to kill tbg. NDBOP. NUWH. Charge up csg to 800#. Well would not come around. RU swab & made one swab run. Well cam in & cleaned up to pit. Put well on production. Put 1.5" orifice plate in meter run. Tbg 600# csg 640# 1340 MCFD.

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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *						5. LEASE DESIGNATION AND SERIAL NO. CONT-145	
1a. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> b. TYPE OF COMPLETION: NEW WORK DEEP- DIFF. RESVR. OTHER WELL OVER EN <input type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>						6. IF INDIAN, ALLOTTEE OR TRIBE NAME JICARILLA	
						7. UNIT AGREEMENT NAME JICARILLA K	
						8. FARM OR LEASE NAME, WELL NO. #11	
2. NAME OF OPERATOR CONOCO INC.						9. API WELL NO. 30-039-20284	
3. ADDRESS OF OPERATOR 10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915-686-5424)						10. FIELD AND POOL, OR WILDCAT OTERO CHACRA	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) * At surface 1455' FNL - 1045' FWL, UNIT E At top prod. Interval reported below At total depth						11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA E SEC. 2, T25N- R05W	
				14. PERMIT NO.		DATE ISSUED	
15. DATE SPUDDED 10-17-97		16. DATE T.D. REACHED 11-27-97		17. DATE COMPL. (Ready to prod.) 12-3-97		18. ELEV. (DF, RKB, RT, GR, ETC) * 6634' - 6845' RKB	
20. TOTAL DEPTH, MD & TVD 7458'		21. PLUG, BACK T.D. MD. & TVD 7426'		22. IF MULTIPLE COMPL. HOW MANY *		23. INTERVALS DRILLED BY ROTARY <input checked="" type="checkbox"/> CABLE <input type="checkbox"/> TOOLS <input checked="" type="checkbox"/> TOOLS <input type="checkbox"/>	
24. PRODUCING INTERVAL(S) OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD)* 3873' - 3899' OTERO CHACRA						25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN GR/CCL						27. WAS WELL CORED	
28. CASING RECORD (Report all strings set in well)							
CASING SIZE/GRADE		WEIGHT, LB/FT		DEPTH SET (MD)		HOLE SIZE	
10-3/4"		24#		312'		13-3/4"	
7-5/8"		11.6/10.5#		3199'		9-7/8"	
4-1/2"				7456'		4-1/2"	
29. LINER RECORD		30. TUBING RECORD					
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
4 1/2"	3051	7456	1100		2-3/8"	5040'	Temp. @ 5350'
31. PERFORATION RECORD (Interval, size and number)				ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
SEE ATTACHED STIMULATION SUMMARY <div style="text-align: center;"> RECEIVED FEB 25 1998 OIL CON. DIV. DIST. 3 </div>				DEPTH INTERVAL (MD)			
				AMOUNT AND KIND OF MATERIAL USED			
33. * PRODUCTION							
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump)				WELL STATUS (Producing or shut-in)	
12-02-97		FLOWING				SHUT IN	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL - BBL	GAS - MCF	WATER - BBL	GAS - OIL RATIO
11-26-97	24 HRS	1/2"		0	470 MCFD	1	
FLOW. TUBING PRESS	CASING PRESSURE	CALCULATED 24 - HR RATE	OIL - BBL	GAS - MCF	WATER - BBL	OIL GRAVITY - API (CORR)	
210#	250#			470 MCFD	1		
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)						TEST WITNESSED BY	
VENTED							
35. LIST OF ATTACHMENTS							
SUMMARY							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Sylvia Johnson</u>				TITLE <u>SYLVIA JOHNSON, As Agent for Conoco Inc.</u> DATE <u>01/05/97</u>			

37. SUMMARY OF POROUS ZONES: (Show all important zones of 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);				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Pictured Cliffs Cliff House Point Lookout Gallup Base Greenhorn Dakota	2930 4633 5160 6347 7160 7190	

COPY

CONOCO INC.
JICARILLA K #11
API # 30-039-20284
SEC 02 T25N - R05W UNIT LETTER "E"
1455' FNL - 1045' FWL

COPY

11/17/97 MIRU. Csg. 700 psi and tbg 650 psi. NDWH & NUBOP. Ran 3 jts. to tag (DID NOT TAG). POOH with 2-3/8" tbg. Tally out, total tally 7394'. Tbg was landed @ 7308'. Will tag and clean out with gas later if needed.

11/18/97 RU BJ, ran Gamma strip log. RIH set Hallib Fas Drill Plug @ 5350'. Load hole with 1 % KCl water, and test to 1000 psi. OK. Perf MENEFE/POINT LOOKOUT w/ 3-1/8" HSC w/ .32" holes size. Perf @ 5007-09-11-13-15-5178-80-82-84-5200-02-04-06-08-12-14-16-18-20-30-32-34-36-38-62-64-66-68-70-85-8793-95-97. Total holes 34. Pressure csg to 1000 psi while perforating. Perfs broke down and could pump in @ 750 psi. RIH w/ Hallib 4-1/2" pkr and 2-3/8" tbg, to 4900'.

11/19/97 RIH and set pkr @ 5327'. Test tbg, pkr and plug to 3000 psi. OK. Release pkr and pull up to 4900'. Set pkr and pressure backside to 500 psi. Acidized with 500 gals 15% HCl acid w/ 50 ball sealers 1.3 SG. Pumped @ 5 bpm avg. rate @ 2100 psi avg. pressure. Max pressure 2800 psi. Good ball action, did not ball off. ISIP 1400 psi. Release pkr and POOH w/ 2-3/8" tbg and pkr. RIH w/ Hallib 4-1/2" double cup seal assy, 3 jts 2-7/8" tbg, Hallib 7-5/8" pkr and 3-1/2" tbg. Set 7-5/8" pkr @ 3021' and bottom seal assy @ 3116'. Test backside to 500 psi. OK.

11/20/97 RU BJ to frac. Fraced (MV) Menefee/Point Lookout w/ 70,000# of 20/40 AZ sand and 6,000# of 20/40 SDC sand. Total sand pumped 76,000#. Total fluid pumped 1412 bbls of 15# X-Linked gel. Avg. rate 34 BPM @ 2600 psi avg. pressure. Max pressure 2980 psi. Max sand conc. 3#/ Gal. ISIP 900 psi. 15 min 400 psi.

11/21/97 Release Hallib pkr. POOH w/ 3-1/2" tbg, Hallib 7-5/8" pkr, 3 jts 2-7/8" tbg and 4-1/2" Hallib Fas Drill Plug @ 4000'. Tested csg and plug to 1000 psi. OK. RIH w/ 3-1/8" HSC gun. Perf Chacra @ 3873-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99 w/ 2 SPF. Total holes 52. Pressure up to 1000 psi. Perfs broke down. RIH w/ 4-1/2" Hallib double cup seal assy, 3 jts 2-7/8" tbg, Hallib 7-5/8" pkr, and 3-1/8" tbg. Set pkr @ 3021' and seal assy @ 3116'.

11/24/97 RU BJ. Pressure backside to 500 psi.-OK. Pumped 200 gals 15% HCl acid @ 7.9 BPM avg. rate @ 960 psi avg. pressure. ISIP 730 psi, 15 min 220 psi. Fraced Chacra w/ 74,940# of 20/40 AZ sand and 6,500# of 20/40 SDC sand. Avg. treating pressure 3400 psi, avg. treating rate 10.5 bpm. Max pressure 3500 psi. Total fluid pumped 51,665 gals. Of 1% KCl water, w/ 77,800 SCF of N2. ISIP 2300 psi.

11/25/97 Tbg press 1530# RU choke manifold vent lines compressors start flow back tbg press down to 560# recovered 100 bbls HSO will flow back tonight.

11/26/97 Csg and Tbg press 75# well flowed thru. 1/2" choke 470 MCFD end of tbg 3021' made 1 bbls of H2O fluid kill well 20 bbls 1% KCl release pkr POOH w/ 96 jts 3-1/2" frac string 7-5/8" treating pkr 3 jts 2-7/8" tbg 4-1/2" seal assembly RU blewey line.

11/28/97 580# csg press. Flow back well RIH w/ milling tool 2-3/8" tbg. Tag fill 3920' 80' of fill on plug no perfs covered. Pull up tbg to 7" csg.

11/29/97 580# csg press flow well down RIH milling tool tag fill 3920' clean out to 4000' mill out plug took 15 min, lots of press below plug flow well making lots of sand and water recovered 100 bbls H2O well stop making sand very little water pull tbg up into 7" csg.

COPY

CONOCO INC.
JICARILLA K #11
API # 30-039-20284
SEC 02 T25N - R05W UNIT LETTER "E"
1455' FNL - 1045" FWL
(CONT.)

12/02/97 Well flowed csg press 250# tbg 210# stabilized pressure. Made 1 bbls oil 1bbls H2O 1314 MCF/24 hrs. end of tbg 5010' RIH milling tool tag fill 5300' clean to plug 5350' mill out plug flow back well making some sand clean up well POOH w/ milling tool RIH saw tooth collar SN 500' of 2-3/8" tbg. Will land 2-3/8" @ 7300'.

12/03/97 Csg press 780# tbg press 640# open tbg well flowed real strong use 60 bbls 1% KCl to kill well RIH tbg tag fill 7370' 56' of fill 38' of DK. Perfs covered start cleaning fill.

12/04/97 Csg press. 760# tbg press 670# blow well down RIH tag fill 7355' made 15' of new fill clean fill to 7420' circ. hole pull up tbg RIH tbg tag no new fill pull up tbg to mid perfs. Landed SN @ 7360' SWI.

12/05/97 Csg press 760# tbg 740#. Blew well down. Use 20 bbls 2% KCl to kill tbg. NDBOP. NUWH. Charge up csg to 800#. Well would not come around. RU swab & made one swab run. Well cam in & cleaned up to pit. Put well on production. Put 1.5" orifice plate in meter run. Tbg 600# csg 640# 1340 MCFD.