

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE *
(See other in-
structions on
reverse side)

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

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WELL COMPLETION OR RECOMPLETION REPORT AND LOG *											
1a. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>					5. LEASE DESIGNATION AND SERIAL NO. SE-079962 SF078119						
b. TYPE OF COMPLETION: NEW WORK <input checked="" type="checkbox"/> DEEP-EN <input type="checkbox"/> DIFF. RESVR <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>					6. IF INDIAN, ALLOTTEE OR TRIBE NAME						
2. NAME OF OPERATOR CONOCO INC.					7. UNIT AGREEMENT NAME SUTER						
3. ADDRESS OF OPERATOR 10 Desta Drive, Ste. 100W Midland, Texas 79705-4500 (915-686-5424)					8. FARM OR LEASE NAME, WELL NO. 1X						
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements) * At surface 1637' FSL - 1650' FEL, UNIT LETTER 'G', SEC. 13, T-32-N, R-11-W At top prod. Interval reported below At total depth					9. API WELL NO. 30-045-11445						
14. PERMIT NO.					DATE ISSUED		12. COUNTY OR PARISH SAN JUAN		13. STATE NM		
15. DATE SPUDDED 08-27-52		16. DATE T.D. REACHED 10-31-97		17. DATE COMPL. (Ready to prod.) 11-26-97		18. ELEV. (DF, RKB, RT, GR, ETC) * 6302' RKB; -6288' GL		19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 5864'			21. PLUG, BACK T.D. MD. & TVD 5720'			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) * 4581' - 5623' BLANCO MESA VERDE								25. WAS DIRECTIONAL SURVEY MADE			
26. TYPE ELECTRIC AND OTHER LOGS RUN								27. WAS WELL CORED			
28. CASING RECORD (Report all strings set in well)											
CASING SIZE/GRADE		WEIGHT, LB/FT		DEPTH SET (MD)		HOLE SIZE		TOP OF CEMENT, CEMENTING RECORD		AMOUNT PULLED	
10-3/4"		32.75		188'		12-1/4"		175 SX			
7"		20 & 23		4828'		9"		285 SX			
4-1/2"				5764'				235 SX			
29. LINER RECORD						30. TUBING RECORD					
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT *		SCREEN (MD)			
31. PERFORATION RECORD (Interval, size and number)						32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.					
SEE ATTACHED SUMMARY						DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED			
33. * PRODUCTION											
DATE FIRST PRODUCTION 11-26-97		PRODUCTION METHOD (Flowing, gas lift, pumping - size, and type of pump) FLOWING					WELL STATUS (Producing or shut-in) PRODUCING NESA VERDE				
DATE OF TEST 11-25-97		HOURS TESTED 24 hrs.		CHOKE SIZE 1/2"		PROD'N FOR TEST PERIOD		OIL - BBL 1		GAS - MCF 1.5 MCFDGPD	
FLOW. TUBING PRESS 245#		CASING PRESSURE 525#		CALCULATED 24 - HR RATE		OIL - BBL 1		GAS - MCF 1.5 MCFDGPD		WATER - BBL 2	
										OIL GRAVITY - API	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) FLARED								TEST WITNESSED BY WESLEY B. BROWN BIG A WELL SERVICE			
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		DEBRA BEMENDERFER				TITLE			DEBRA BEMENDERFER, As Agent for Conoco Inc.		DATE 12-08-97

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ACCEPTED FOR RECORD

FARMINGTON DISTRICT OFFICE

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	MEAS. DEPTH	TRUE VERT. DEPTH
Top of Log	4350'					
Mesa Verde	4529'					
Cliff House	4892'					
Menefee	4996'					
Point Lookout	5305'					
Bottom Logged		5716'				

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CONOCO INC.

SUTER 1X

API # 30-045-11445

SEC. 13 - T32N - R11W UNIT LETTER "G"

1637' FSL - 1650' FEL

11/14/97 MIRU. PU & MU 3-7/8" mill tooth bit, 4-1/2" csg scraper & XO. Tally, rabbit, PU & RIH w/ 2-3/8", 4.7 ppf, J-55 8RD EUE tbg. Tag up @ 5663' KB. Reverse circ. wellbore clean w/ 1% KCl water. Pressure test 4-1/2" csg to 500 psi, 750 psi & 1000 psi for 5min ea., OK. 4-1/2" x 7" annulus stable @ 320 psi during PT's. DO cmt f/ 5663' to 5721' KB (did not encounter wiper plugs or FC). Reverse circ. wellbore clean w/ 1% KCl water. Pressure test 4-1/2" csg to 1000 psi, OK. POOH & LD XO, 4-1/2" csg scraper & 3-7/8" bit. Bled down 320 psi on 4-1/2" x 7" annulus to 0 psi & monitor while POOH, had no pressure buildup.

11/15/97 7" x 4-1/2" csg annulus pressure 0 psi. RU BJ. RIH & log #1 CBL/VDL/CCL f/5717' to 3350' w/ 800 psi on csg. TOC @ 3600' +/- RIH & log #2 Dual Burst Thermal Decay Time (TDT) f/ 5716' to 4350'.

11/17/97 RU BJ. RIH, pressure up on csg w/ 1000 psi & perf @ 5623'-16-11-5574-72-5431-19-17-5393' & 5391' w/ 1 jspf. Pressure decreased to 300 psi after 5 shots. No indication of further perf firing. POOH. Found ground short in perf gun. RIH & perf @ 5389'-86-69-65-50-48-46-42-41-37-34-31-24-22-18-16-12-08-06-5289-86-83-81-78-75 w/1 jspf. Total perfs: 35 (0.32" OD Deep penetrating Perfs.) NU WH isolation tool & frac valves. RU BJ Hughes. PT frac iron to 4500 psi, OK. Attempt to breakdown perfs w/ 3800 psi max. several times, no success. Pull isolation tool & RIH w/ dump bailer & 10 gals 28% HCl acid. Dump bailer starting pushing unknown object(s) @ 1000'. Work bailer to 3000'. Dump acid @ 3000'. POOH. RIH w/ junk basket to 5721' PBD & work same. POOH, recovered 13 ball sealers, some indicating dragging wear. Checked out ball launcher, 13 ball sealers gone. No explanation arrived at this time. RIH w/ dump bailer & 10 gals 28% HCl acid. Spot acid f/ 5623' to 5603'. POOH. NU WH isolation tool. RU BJ Hughes frac iron & pressure test same to 4500 psi, OK. Attempt to breakdown perfs numerous times w/ 3800 psi max., no success. RD frac iron, ND WH isolation tool & BJ. PU & RIH w/ 4-1/2" pkr on 2-3/8" tbg to 5623', break circulation and spot 6 bbls. 15% HCl acid across perfs. Pull up to 5599' and set pkr. PT frac iron to 6000 psi, OK. Attempt to breakdown perfs @ 5611', 5616', & 5623' w/ 5500 psi max., no success. Release pkr, POOH to 5536' & set pkr. PT frac iron to 6000 psi. Attempt to breakdown perfs f/ 5572' to 5623', no success. Release pkr, POOH to 5409' & set pkr. PT frac iron to 6000 psi. Attempt to breakdown perfs f/ 5417' to 5623' w/ 5500 psi max., no success. Release pkr, POOH to 5093' & set pkr. PT frac iron to 6000 psi. attempt to breakdown all perfs w/ 5500 psi max., no success. Release pkr and circ. 40 bbls. 1% KCl to remove any stray acid in annulus above pkr. Secure well and SION w/ acid soaking on perfs, calculated acid spot f/ 5623' to 5245'.

11/17/97 Set pkr @ 5093'. PT frac iron to 6000 psi. Attempt to breakdown perfs w/ 5500 psi max. Breakdown occurred 3 min after while holding 5500 psi on 3rd attempt. Cont. breakdown w/ 12 bbls 15% HCl and 53 ball sealers. Ballout occurred 14.5 bbls into flush. Surge balls off, cont. breakdown w/ 50 bbls 15 KCl water. ISIP: 0 psi. Release pkr & run thru perfs knocking off frac balls. POOH & set pkr @ 5409'. Est. injection rate of 5.4 BPM @ 4400 psi f/ perfs from 5417' to 5623'. Release pkr. POOH & set pkr @ 5093'. Est. injection rate of 6.3 BPM @ 5450 psi f/ perfs from 5275' to 5623'. Injection rates indicate perfs f/5417' to 5623' are open. Perform 2nd breakdown w/ 6 bbls. 15% HCl, releasing 8 ball sealers ahead of acid and 45 ball sealers in 1% KCl water. Ballout when initial 8 ball sealers hit perfs. Surge off ball sealers & resume breakdown, only to ballout immediately. Repeat previous until all frac ball out of tbg. ISIP: 0 psi. Release pkr, run thru perfs knocking off frac balls & POOH, LD pkr. RU BJ Hughes on csg. PT lines o 2000 psi, OK. Release 12 frac balls, pump 6 bbls. 15% HCl & 92 bbls 1% KCl water in an attempt to spot acid across perf interval. Did not see ball action. RIH & reperf @ 5275'-

78-81-83-86-5289' w/ 1 jsf. (total reperf: 27 shots). POOH. NU WH isolation tool and frac iron. Pressure test lines to 5150 psi. Pump 65 bbls. 1% KCl water @ 14 BPM, 12 bbls. 15% HCl (releasing 53 ball sealers) @ 16 BPM and flushing w/ 187 bbls. 1% KCl water. ISIP: 0 psi. RD frac line & pull isolation stinger. RIH w/ junk basket & work same @ 5714'. POOH and recovered 161 of 168 frac balls. NU isolation stinger and frac iron. PT frac iron to 5200 psi, OK. Frac w/ 286 bbls. slick water pad @ 37 BPM, 442 bbls. slick water w/ 0.5 PPG 20/40 sand @ 38.5 BPM, 500 bbls. slick water w/ 0.75 PPG 20/40 sand @ 39.5 BPM, 550 bbls. Slickwater w/ 1.0 PPG 20/40 sand @ 41.5 BPM, 284 bbls. slick water w/ 1.5 PPG @ 42 BPM, 78 bbls. slick water w/ 2 PPG 20/40 sdc sand @ 42.5 BPM and 86 bbls. Slickwater flush @ 42 to 0 BPM. Avg. of 40 BPM/2500 psi. ISIP: 0 psi ND frac iron & pull isolation stinger. RIH & set 4-½" HOWCO fas-Drill BP @ 5235'. POOH & PT BP w/ 500 psi, OK. RIH & perf w/ 1500 psi @ 5196'-93-80-87-84-81-78-75-25-23-21-19-5099-97-95-90-88-53-51-49-43-40-37-34-31 w/ jsf (total: 25 shots). Pressure dropped to 0 psi during perforating. RU isolation stinger & frac iron. PT lines to 5000 psi. Est. injection rate w/ 1% KCl water, pump 12 bbls. 15% HCl releasing 38 frac balls and pump 106 bbls. 1% KCl water. Avg. rate: 12 BPM. Good breakdowns, no ballout. ISIP: 0 psi. RD frac iron & pull isolation stinger. RIH w/ junk basket and work same to 5235'. POOH & recovered 38 frac balls, 22 hits. NU isolation stinger.

11/19/97 Finish topping off frac tanks. Hold pre-job safety/ops meeting. RU frac iron & PT to 4500 psi, OK. Frac w/ 345 bbls. slick water pad @ 60 BPM/2040 psi, 577 bbls. slick water w/ 0.5 PPG 20/40 sand @ 62 BPM/3070 psi, 870 bbls. slick water w/ 1ppg 20/40 sand @ 48 BPM/ 1840 psi, 890 bbls. slick water w/ 1.5 PPG 20/40 sand @ 45 BPM/2210 psi, 129 bbls. slick water w/ 2 PPG 20/40 SDC sand @ 45 BPM/2550 psi & 82 bbls. slick water @ 45 - 20 BPM/2510 - 485 psi. Avg.: 52 BPM/2300 psi, ISIP: 400 psi, 1 min ISIP: 0 psi. RD frac iron & pull isolation stinger. RIH & set 4-½" HOWCO Fas-Drill BP @ 5000'. POOH & pressure test BP w/ 500 psi OK. RIH & perf w/1500 psi on csg @ 4965'-63-58-54-52-47-45-43-41-22-20 w/1 jsf. Surface indication of non-firing remainder of proposed perfs. (pressure dropped to zero during perforating). POOH and found gun wired wrong @ shop. Rewire gun, RIH & perf w/1 JSPF @ 4910'-08-06-4900-4898-96-4743-41-07-05-4696-94-91-59-57-33-31-4593-91-83-81. POOH, found select-fire guard shorting select-fire gun for 4581'. Repaired same, RIH, perf w/ 1 jsf @ 4581'. POOH. (Total perfs: 32 perfs in Cliffhouse). NU isolation stinger, frac iron & PT to 4500 psi, OK> Breakdown perfs as follows: 55 bbls. 1% KCl water @ 17 BPM/100 psi and 133 bbls. 1% KCl water flush. ISIP: 0 psi. Good ball & breakdown action, did not ball out. RD frac iron & pull isolation stinger. RIH w/ junk basket to 5000' & work same. POOH, recovering 50 frac balls, 23 indicated hits. RD BJ. NU isolation stinger and RU frac iron. PT lines to 4500 psi, OK. Frac w/ 260 bbls. Slick water pad @ 62 BPM/2600psi, 438 bbls. Slickwater w/ 0.5 PPG 20/40 sand @ 63 BPM/2200 psi, 145 bbls. Slickwater w/1 PPG 20/40 sand @ 62 BPM/2150 psi, 231 bbls. Slickwater w/ 2 PPG 20/40 SDC sand @ 62 BPM/2250 psi and 74 bbls. Slickwater flush @ 62 BPM to 0 BPM/2250 to 400 psi. Avg.: 62 BPM/2200 psi, ISIP: 400 psi, 1 min: 0 psi. RD BJ Hughes & isolation tool NU blewey line tee.

11/20/97 CO fill to BP @ 5000', drill out Howco Fas-Drill BP. circ. well clean.

11/21/97 DO BP @ 5235'

11/23/97 Drywatch.

11/24/97 RIH w/ NC, SN & 2-3/8" tbg to 5275'. Blow well w/ drill gas. Monitor flow back. Place on ½" bean choke @ 1200 hrs Nov. 24 & turn over to drywatch.

11/25/97 Obtain flow test. 24hrs stabilized flow rate thru 2" flowline & ½" bean choke to atmosphere w/ FTP: 245 psi & CP: 525 psi.: 1.5 MMCFGPD, 1 BOPD & 2 BWPD. Test witnessed by Wesley Herrera/Efrain Molina - Big A well Service. NU string float & RIH to 5721' KB. Kill tbg w/ 5 bbls 1% KCl water and LD string float. RIH, MU tbg Hanger and land tbg @ 5284' w/ SN @ 5282' KB (Total: 167 jts, 2-3/8", 4.7 ppf. J-55, 8RD EUE tbg). ND blewey tee & BOP. NU upper WH valve. RDMO.