

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

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

COPY
FORM APPROVED
OMB NO. 1004-0137

Expires: February 28, 1995

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NO. SF 078215B						6. IF INDIAN, ALLOTTEE OR TRIBE NAME									
						7. UNIT AGREEMENT NAME PRIMO									
8. FARM OR LEASE NAME, WELL NO. BLANCO MESA VERDE #1 (SIDETRACK)						9. WELL NO. 30-043-1019									
						10. FIELD AND POOL, OR WILDCAT BLANCO MESA VERDE									
11. SECTION, TOWNSHIP, RANGE, OR BLOCK AND SURVEY OR AREA SEC. 06, T31N - R10W						12. COUNTY OR PARISH SAN JUAN COUNTY									
						13. STATE NM									
14. PERMIT NO. 4-15-53		DATE ISSUED		15. DATE SPUDDED 8/7/98		16. DATE T.D. REACHED 8/17/98		17. DATE COMPL. (Ready to prod.) 9/25/98		18. ELEV. (DF, RKB, RT, GR, ETC) * 5933' DF		19. ELEV. CASINGHEAD			
20. TOTAL DEPTH, MD & TVD 5140'				21. PLUG, BACK T.D. MD. & TVD 5074'				22. IF MULTIPLE COMPL. HOW MANY *				23. INTERVALS DRILLED BY ROTARY <input 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) * 4230' - 5342' BLANCO MESA VERDE (4230'-4634 Cliffhouse; 4701'-4946' Menefee; 5060'-5342' MV)										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"		36#		214'		12-1/2"		170 SXS							
7"		23#		4360'		8-3/4"		225 SXS							
4-1/2"		11.6#		5391'		6-1/2"		200 SXS							
29. LINER RECORD								30. TUBING RECORD							
SIZE		TOP (MD)		BOTTOM (MD)		SACKS CEMENT *		SCREEN (MD)		SIZE		DEPTH SET (MD)		PACKER SET (MD)	
										2-3/8"		5100'			
31. PERFORATION RECORD (Interval, size and number) SEE ATTACHED SUMMARY								32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.							
								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)					
9/25/98				FLOWING						PRODUCING					
DATE OF TEST		HOURS TESTED		CHOKE SIZE		PROD'N FOR TEST PERIOD		OIL - BBL		GAS - MCF		WATER - BBL		GAS - OIL RATIO	
9/23/98		24 HRS.		1/2"		→		0		660		10-15			
FLOW. TUBING PRESS		CASING PRESSURE		CALCULATED 24 - HR RATE		OIL - BBL		GAS - MCF		WATER - BBL		OIL GRAVITY - API (CORR)			
100		280		→		0		660		10-15					
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) 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 SYLVIA JOHNSON, As Agent for Conoco Inc. DATE 9/28/98															

*(See Instructions and Spaces for Additional Data on Reverse Side) Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

ACCEPTED FOR RECORD

RAY SIMS & MIKE STONE L&R OILFIELD

NOV 09 1998

FARMINGTON DISTRICT OFFICE

RECEIVED
JAN 10 1964

THE BIDS ARE
CLOSED

CONOCO, INC.
PRIMO #1 (SIDETRACK)
API#: 30-045-11019
1650' FSL & 1650' FWL, UNIT 'K'
SEC. 06, T31N - R10W

COPY

- 8/19/98 MIRU set equip. PU Bit , BS, csg scraper, XO & new 2-3/8" tbg & RIH to 5252', tagged top of cmt checked tallies, POOH to check tallies.
- 8/20/98 RIH w/ bit, csg scraper, BS & 2-3/8", 4.7#, J55, 8RD, EUE tbg, tagged cmt @ 5252'. DO cmt to FC @ 5344' & then drilled cmt to 5370'. CO hole w/ 80 bbls of 1% KCl H2O. POOH. Load annulus w/ 40 bbls 1% KCl H2O. RU WL. Run TDT/GR log from 5370'-3650'. Run CBL/GR/CCL across same interval w/ 1000 psi on csg. (Both logs ran smoothly).
- 8/21/98 Well dead upon arrival. RU test truck, press up csg to 2000 psi w/ rig pump, then press up csg to 4200 w/ test truck, held test 15 min., OK. RD test truck. RU BJ, RIH w/ 3-1/8", 35 shot gun w/ .32", 11 GR shots. Shot all 35 shots w/ no misfires. POOH PU 10 shot gun & RIH to shoot last two shots, No problems encountered (total job took approx. 1 hr). Correlate CCL to TDT/GR log dated 8/20/98. Perfed Pt. Lookout formation @ 5342-38-36-21-17-13-5278-76-74-72-62-60-44-42-40-37-07-04-02-5199-74-72-70-68-50-48-46-44-20-18-16-14-5096-94-92-62-60' (total of 37 shots, no misfires).
- 8/24/98 PU PPI tool w/ 14' spacing, RIH on 2-3/8", 4.7# tbg & tagged cmt @ 5368'. RU BJ acidizing equip. Pump 20 bbls 1% KCl H2O to fill tbg. Set pkr below perfs. Test RFC valve & tbg to 3000#, Valve malfunctioned. Unset PPI pkr. Pull RFC valve w/ sand line. Flush tbg w/ 20 bbls 1% KCl H2O. Replace RFC valve w/ another one. Pump 20 bbls 1% KCl H2O to fill tbg. Re-set PPIP below perfs. Test RFC valve & tbg to 3000#, OK. Re-set PPIP across 1st perf interval (5343-5336'), Inject 1% KCl H2O (@ 1.5 BPM rate w/ 2800 psi). Unset PPIP & pump 18 bbls 15% HCl acid down tbg. Displaced 3 bbls 15% HCl into 4-1/2" x 2-3/8" annulus (across all perfs) by following acid w/ 5 bbls 1% KCl H2O. Re-set PPIP across 1st perf interval and begin Pinpoint acid inj. job w/ following results: (Perf set/depth/BD#/bbls acid injected) 1/5343-5336'/2800#/1.5 bbls, 2/5321-5313'/2600#/1 bbl, 3/5278-5272'/2300#/1 bbl, 4/5262-5260'/2650/1 bbl, 5/5244-5237'/4200# **NO BD/0 bbl, 6/5207-5199'/2750#/1 bbl, 7/5174-5168'/2950#/1.5 bbls, 8/5150-5144'/2850#/1 bbl, 9/5120-5114'/3800#/1 bbl, 10/5096-5092'/2700#/3 bbls, 11/5062-5060'/3600#/3 bbls, followed by 10 bbls 1% KCl H2O flush. RD BJ. Pull RFC valve w/ sand line. POOH w/ 2-3/8", 4.7# tbg & PPIP tool.
- 8/25/98 Finish NU 5M# frac valve & 'Y'. RU BJ Frac equip. RU BJ equip. Tested BJ lines & equip to 5200 psi, Tightened leaking 'Y' Flag, Re-test lines & equip to 5200 psi, OK. Begin PLO- SlickH2O frac: Pump pad. Start .5 #/gal 20/40 AZ Silica sand, Rate only 33 BPM w/ 3500-3800#. Back-off on sand, pump 1% KCl H2O to formation at same 33 BPM w/ no reduction in press, SD pumps, ISIP = 0 #. Contact Midland. W.O.O. PU 3-1/8", 8', .32" shot, 11gr, 302 chg @ 120 deg. phasing, 4 spf gun (#1 - 'Blackwood Nicholes' style) and re-shoot the following perforated areas: 5275'-74-40-39-38-07-05-5173'. WO Gun # 2 (same setup but 10' in length). RIH w/ gun #2 and re-shoot the following previously perforated areas: 5172-70-48-47-46-18-17-16-5096-95'. Total holes shot in PLO 109. RU BJ Frac lines. Test lines to 5200#, OK. Pump 5 bbls (210 gals) 15% HCl acid & spotted across perf interval. Followed w/ SlickH2O pad of 10,000 gal 1% KCl w/ Inflow 150 @ 1bpt & .75 GPT. Pump SlickH2O frac: Total of 107000# 20/40 AZ Silica and, 30000# @ 1.0 ppg, 52000# @ 1.5 PPG, 25000# @ 2.0 PPG; flush w/ 4410 gals of 1% KCl w/ Inflow 150 @ 1 GPT & FRW-30 @ .75 GPT. Treating press: 2800# (avg.), Avg. treating rate- 69 BPM. Pumped pad of 3300 gals of 1% KCl w/ Inflow 150 @ 1 GPT & FRW-30 @ .75 GPT. @ Qavg=69, Pavg=2800#, ISIP=100#, 5 MIN=0#. RD BJ.
- 8/26/98 RU BJ w/ CIBP, RIH & set CIBP @ 5040', POH & RD W/L. Fill hole w/ rig pump & test CIBP to 2500# w/ no press on 7"x 4-1/2" csg annulus, OK. ND 5M# frac 'Y' & valve. NU Stripping head & RIH w/ tbg to 4946', Spot 250 gals (6 bbls) of 15% HCl acid across Menefee perf interval, POH w/ tbg. ND stripping head. NU 5M# Frac 'Y' & valve. RU BJ & RIH w/ 16', gun set @ 120 depths, w/ 4 spf, .32", 11 GR, 302 chgs & shoot perfs in following intervals (Menefee) from top down (total of 64 holes): 4701'-4703'(2'), 4716'-4718'(2'), 4764'-4767'(3'), 4837'-4840'(3'), 4877'-4879'(2'), 4942'-4946'(4'). POH w/ W/L, RD BJ. Pump Acidize/Ballout job: BD w/ 588 gals of 1% KCl (BD @ 1900#); acidize w/ 750 gals of 15% HCl w/ Ferrotrol- 300L @ 5 GPT, CL-22 @ 2 GPT, Inflow 150 @ 1 GPT; Dropped 100-1.3 RCN balls; Flushed w/ 3936 gals 1% KCl H2O (120 bbls fluid to recover). RU Blue Jet to run Junk basket, RIH (Retrieve 92 of 100 balls w/ 63 hits). RU to Frac Menefee. Test BJ equip to 5200 psi. Pump SlickH2O frac w/ 1% KCl , 1bpt Inflow 150, .75 GPT FRW-30: 70000# total 20/40 AZ Silica sand w/ 63385 gals H2O, Qavg=69, Pavg=2300#, avg. sand den=1.5, ISIP=0. RU BJ Services. RU and RIH w/ WL and set CIBP @ 4690'. ND 5M# Frac 'Y' and valve, NU stripping head. RIH w/ tbg to 4645'. Spotted 8 bbls (330 gals) 15% HCl acid across next (cliff house) perf interval. POH w/ tbg, ND stripping head. NU 5M# 'Y' and valve. RIH w/ 2 gun runs and perf from top to bottom of Cliffhouse perf interval. Run#1- 14', 3-1/8", .32", 11 GR, 302 chrg, @ 120 depths, 4 spf: Shoot following

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1650' FSL & 1650' FWL, UNIT 'K'
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intervals; 4230'-4232'(2'), 4285'-4287'(2'), 4331'-4333'(2'), 4375'-4377'(2'), 4417'-4419'(2'), 4489'-4493'(3'). Run#2-16', 3-1/8", .32", 11gr, 302 chrg, @ 120 deg phs, 4spf & shoot the following intervals; 4540'-4544'(4'), 4568'-4572'(4'), 4612'-4616'(4'), 4630'-4634'(4'). POH & RD WL. Pump Acid/Ballout job (Cliffhouse): BD w/ 252 gals of 1% KCl @ 150#/4BPM, pump 756 bbls 15% HCl w 180 1.3 sg. 7/8" RCN ball sealers, flush w/ 3780 gals 1% KCl (w/ Ferrotrol @ 5gpt, CI-22 @ 2 GPT, Inflow 150 @ 1 GPT) @ 10 BPM (very little ball off). RIH w/ W/L and junk basket (Ret: 77 balls w/ 11 hits). Pump slick H2O frac job w/ 81102 bbls of 1% KCL+ 96000# 20/40 AZ Silica sand @ Qavg=65 BPM, Pavg=3000#, Avg. sand den = 1.5 PPG, ISIP= 0#. RD BJ. Secure well till Air/foam unit arrives to assist in CO.

- 8/27/98 RU Blooie line. Standby waiting on Air/foam unit for CO.
- 8/28/98 Standby and wait on Air foam unit to CO well.
- 8/31/98 Standby.
- 9/1/98 Standby. Get L&R roustabouts to ND blooie line. (Will move to Newberry Com #1M to test DK tomorrow)
- 9/2/98 POH w/ 176 jts of 2-3/8", 4.7#, J-55, EUE, 8RD tbq, x/o and 4-1/2" Metal muncher mill. LD tbq on float. ND stripping head and Bop's. NU WH.
- 9/17/98 MIRU Air pkg RU & ready to go. H2O on location. Begin PU & tallying 2-3/8", 4.7#, J-55, EUE, 8RD tbq.
- 9/18/98 PU & tally 137 jts of 2-3/8", 4.7#, J-55, EUE tbq for work string. PU 4" mill & bit sub & RIH on tbq, tagged sand @ 4329'. CO sand & H2O w/ air and foam mist to top of CIBP @ 4690'. Drilled on CIBP approx. 1/2 hour, tbq press began to build to 1600 psi. Relieve press on line & POH 13 jts to 4320'. circ. & dropped press to 650 #. CO hole. Kill tbq & BO string float.
- 9/19/98 Blow down well press. stage in & CO well @ 650-750 psi of tbq press. Tagged sand @ 4597' & CIBP approx. 25' high @ 4665'. Cut use of H2O/foam mist off due to H2O coming in from well till we milled on CIBP. Milled on CIBP w/ 700-750 psi & used H2O @ 2 GPM w/ .5% foam. Chased first CIBP to 5938', CO sand & chased CIBP to 5040'. 2nd CIBP @ 5040'. Milled on CIBP 2 hrs. w/ no progress. Kill tbq & remove string float, POH 10 stds (20 jts).
- 9/20/98 Kill tbq & POH 163 jts of 2-3/8", 4.7#, J-55, EUE tbq & cross over w/ mill. Change out mill & RIH to 1830'. Stacked out 10K# string weight. Pulled free w/ 10K# over string weight. POH 61 jts of tbq. Wait on impression block one hour then RIH. RIH w/ impression block thru tight spot then POH w/ 61 jts bottom 3" of lead torn off of impression block. Scrapes on 3 sides, equidistant around tool. Call Baker fisherman, wait on fisherman one hour, RIH w/ mill & string mill (3.875"). Mill on tight spot, took approx. 30 min. to mill thru. RIH 60 more feet w/ no probs. Kill tbq & POOH, LD string mill, run back into hole, CO from 4920'-4950'. Tagged sand @ 4950' & CO hole to 4050' (top of CIBP). Milled on lead impression block & CIBP for 30 min., till remainder of CIBP dropped down hole. Used compressed air @ 700 to 850 psi w/ 2-4 gals/min mist & .5% foam. CO well to 5050' & blow dry w/ air. POOH 30 Jts.
- 9/21/98 Bleed off well press, kill tbq, insert string float, RIH & tag sand & partial CIBP @ 5097'. Wash down CIBP 70 more feet to 5167'. Mill on CIBP for 3-1/2 hours. CO 230' of sand to 5370'. Noticed rubber in returns along w/ lots of sand. Sweep hole 3 times w/ 5 bbls of soap/wtr sweeps. Dry out hole w/ air. POH 40 jts of 2-3/8" tbq.
- 9/22/98 RIH & tag fill @ 5360' (10' above PBTD). POH 170 jts of 2-3/8", 4.7#, J-55, EUE tbq. Kill well w/ 10 bbls of 1% KCl H2O. Change out damaged pipe ram rubbers. MU Muleshoe & SN, & begin RIH, kill well w/ 10 bbls of 1% KCL H2O, cont. RIH & land tbq @ 5100' (161 jts). MU 2" flow line. Unload well w/ 545# compressed air, unloaded approximately 15 bbls H2O. Well began to flowback. Flow well though 2" line till dry gas hit surface. SI & insert 1/2" choke in flow line. Open well & begin flow back: initially 250# tbq, 375# csg. 2030 hrs: 110# tbq, 300# csg (not stabilized)
- 9/23/98 Well flowback press stabilized for 24 hrs. w/ 1/2" choke @ 100 psi on tbq/280 psi on csg w/ 10-15 bpd of formation H2O, no produced oil noted (660 mmcf/d). Observed by Ray Sims and Mike Stone (L&R Oilfield Service).
- 9/24/98 RIH tagged 10' of fill (5360'). Set 2 3/8" tbq hgr w/ 161 jts 2-3/8", 4.7#, J-55, EUE. RI and check Packoff bolts. ND BOP stack. Kill tbq w/ 10 bbls of 1% KCL water. BO string valve from tbq hgr. NU Wellhead. Contacted Kendal Bassing- operator. RDMO.