

SUTER # 1B

LOCATION SEC 13, T32N; R11W; SAN JUAN COUNTY NEW MEXICO

(New Mexico give U, S, T, & R; Texas give S, Blk., Sur. & Twp. when required.)

OPERATOR CONOCO, INC.

DRILLING CONTRACTOR AZTEC WELL SERVICING CO., INC.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth

Degrees @ Depth

Degrees @ Depth

Degrees @ Depth

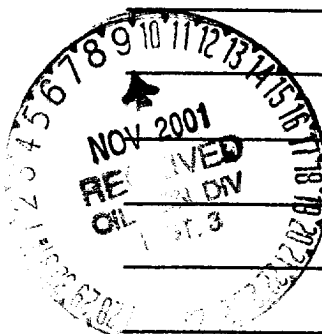
1° @ 314'

1 1/2° @ 811'

1/2° @ 1311'

3/4° @ 1811'

3/4° @ 2428'



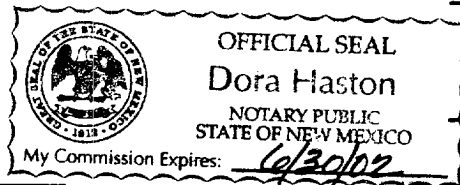
Drilling Contractor AZTEC WELL SERVICING CO.,
INC.

By Walter H. H. H.

Subscribed and sworn to before me this 11TH day of SEPTEMBER, 19 2001

Notary Public

My Commission Expires:



SAN JUAN County, NEW MEXICO

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

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. NMSF 078119		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator CONOCO INC.			7. Unit or CA Agreement Name and No.		
3. Address P.O. BOX 2197 DU 3066 HOUSTON, TX 77252			8. Lease Name and Well No. SUTER 1B		
3a. Phone No. (include area code) Ph: 281.29341095			API Well No. 30-045-30617		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface SWNW 1800FNL 1135FWL At top prod interval reported below At total depth			10. Field and Pool, or Exploratory BLANCO MESAVERDE		
14. Date Spudded 08/10/2001			15. Date T.D. Reached 08/18/2001		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod 10/03/2001			17. Elevations (DF, KB, RT, GL)* 6286 GL		
18. Total Depth: MD 5737 TVD		19. Plug Back T.D.: MD 5650 TVD		20. Depth Bridge Plug Set: MD TVD	
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) CBL, TDT			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)		

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 Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
12.250	9.000 J-55	36.0		312		139		0	
8.750	7.000 J-55	20.0		2426		488		0	
6.250	4.500 J-55	11.0		5694		275		2165 2426	

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.000	5360							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) BLANCO MESAVERDE	4876	5399	4562 TO 4764		32	
B)			4876 TO 5104		39	
C)			5164 TO 5399		30	
D)						

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

Depth Interval	Amount and Type of Material
4562 TO 4764	FRAC W/76,900# 20/40 SAND 375,000 SCF N2
4876 TO 5104	FRAC W/ 141,000# 20/40 SAND & 632,000 SCF OF N2
5164 TO 5399	FRAC W/112,000# 20/40 SAND & 650,000 SCF N2

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
09/28/2001	10/01/2001	24	→	1.0	1320.0	2.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 200 SI	Csg. Press. 360.0	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	ED FOR RECORD
1/2	SI		→					GSI	

28a. 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
			→						20 2001
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	SW

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

ELECTRONIC SUBMISSION #8586 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

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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.)
SOLD

30. Summary of Porous Zones (Include Aquifers):

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.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
OJO ALAMO	1644	1903		OJO ALAMO	1644
				KIRTLAND	1904
				FRUITLAND FMA	2413
				PICTURED CLIFFS	3006
				BASE PICTURED CLIFFS	3204
				HUERFANITO BENTONITE	3696
				CHACRA	4172
				UPPER CLIFFHOUSE	4561
				MSSV. CLIFFHOUSE	4874
				MENEFEE	4954
				POINT LOOKOUT	5285

32. Additional remarks (include plugging procedure):

This well is a single Mesaverde producer. Attached are the daily summaries.

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic 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):

Electronic Submission #8586 Verified by the BLM Well Information System.
For CONOCO INC., sent to the Farmington
Committed to AFMSS for processing by Lucy Bee on 11/07/2001 ()

Name (please print) DEBORAH MARBERRYTitle SUBMITTING CONTACT

Signature _____ (Electronic Submission)

Date 11/07/2001

Title 18 U.S.C. Section 1001 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 any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

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Daily Summary

API	County	State/Province	Surface Legal Location	NS Dist. (ft)	NS Flag	EW Dist. (ft)	EW Flag
300453061700	SAN JUAN	NEW MEXICO	NMPM-32N-11W-13-E	1800.0	N	1135.0	W
Ground Elev (ft)	Spud Date	Rig Release Date	Latitude (DMS)	Longitude (DMS)			
6286.00	8/10/2001	8/18/2001	36° 59' 14.2584" N	107° 56' 44.7216" W			

Start	Ops This Rpt
8/27/2001	Rigged up Schlumberger wireline. Ran TDT Log from 5633' to 1550', and Gamma Ray log from 1550' to surface. Ran CBL Log from 5632' to 1900'. TOC @ 2165'. Log was run with 1000 psi pressure. Rigged down Schlumberger wireline. Pressure tested casing to 4300 psi. - OK. SHUT DOWN
9/17/2001	Rigged up Blue Jet to perforate. Perforated the L Menefee/Point Lookout (MV) with 3 1/8" HSC with .34" hole size. Perforated @ 5395' - 5399' with 1/2 SPF Total holes 3. Perforated @ 5360' - 5362' with 1/2 SPF Total holes 2. Perforated @ 5350' - 5352' with 1/2 SPF Total holes 2. Perforated @ 5290' - 5302' with 1/2 SPF Total holes 7. Perforated @ 5224' - 5226' with 1/2 SPF Total holes 2. Perforated @ 5212' - 5218' with 1/2 SPF Total holes 4. Perforated @ 5200' - 5204' with 1/2 SPF Total holes 3. Perforated @ 5192' - 5196' with 1/2 SPF Total holes 3. Perforated @ 5164' - 5170' with 1/2 SPF Total holes 4. Total holes 30 for the Lower Menefee/ Point Lookout (MV). Rigged down Blue Jet. SHUT DOWN
9/18/2001	Rigged up BJ to frac. Pumped 1000 gals of 15% HCL Acid with 40 ball sealers. Avg rate 15 BPM @ 300 psi avg pressure. Well balled off. Max pressure 3700 psi. Rigged up Blue Jet. RIH with junk basket. Retrieved 40 balls with 29 hit's. Fraced with 112,000# of 20/40 Brady sand. Total N2 pumped 650,000 SCF. Avg rate 50 BPM @ 1700 psi avg pressure. Max sand conc 4#/ gal. ISIP Vacuum. Rigged up Blue Jet to set plug. Set Hallib Fas Drill Plug @ 5132'. Tested plug to 3500 psi. - OK. Rigged up Blue Jet to perforate. Perforated the Cliffhouse/Upper Menefee. Perforated @ 5096' - 5104' with 1/2 SPF Total holes 5. Perforated @ 5071' - 5075' with 1/2 SPF Total holes 3. Perforated @ 5022' - 5036' with 1/2 SPF Total holes 8. Perforated @ 5002' - 5008' with 1/2 SPF Total holes 4. Perforated @ 4950' - 4954' with 1/2 SPF Total holes 3. Perforated @ 4926' - 4936' with 1/2 SPF Total holes 6. Perforated @ 4916' - 4918' with 1/2 SPF Total holes 2. Perforated @ 4902' - 4906' with 1/2 SPF Total holes 3. Perforated @ 4889' - 4891' with 1/2 SPF Total holes 2. Perforated @ 4876' - 4880' with 1/2 SPF Total holes 3. Total holes for the Cliffhouse/U Menefee 39 holes. Perforated with 3 1/8" HSC with .34" hole size. Rigged up BJ to breakdown. Pumped 1000 gals of 15% HCL Acid with 56 ball sealers. Pumped Acid @ 15 BPM @ 600 psi. Well balled off. Retrieved 56 balls with 37 hit's. Rigged up BJ to frac. Pumped 141,000# of 20/40 Brady sand with 632,000 SCF of N2. Avg pressure 2100 psi @ 60 BPM Avg rate. ISIP - Vacuum. Set Hallib Fas Drill Plug @ 4840' Shut Down
9/19/2001	Rigged up BJ. Tested Hallib Fas Drill @ 4840' to 3600 psi. - OK. Rigged up Blue Jet to perforate. Perforated the Upper Cliffhouse (MV) @ 4562' - 4576' with 1/2 SPF Total holes 8. Perforated @ 4601' - 4605' with 1/2 SPF Total holes 3. Perforated @ 4616' - 4618' with 1/2 SPF Total holes 2. Perforated @ 4630' - 4632' with 1/2 SPF Total holes 2. Perforated @ 4636' - 4640' with 1/2 SPF Total holes 3. Perforated @ 4668' - 4672' with 1/2 SPF Total holes 3. Perforated @ 4686' - 4690' with 1/2 SPF. Perforated @ 4734' - 4738' with 1/2 SPF Total holes 3. Perforated @ 4754' - 4758' with 1/2 SPF Total holes 3. Perforated @ 4762' - 4764' with 1/2 SPF Total holes 2. Total holes for the Upper Cliffhouse (MV) 32 holes. Rigged up BJ to ball off with KCL Water. Pumped 46 ball sealers with KCL Water @ 20 BPM @ 1000 psi. Well balled off. ISIP Vacuum. Rigged up Blue Jet. Retrieved 45 balls with 25 hit's. Rigged up BJ to frac. Fraced the Upper Cliffhouse (MV) with 76,900# of 20/40 Brady @ 50 BPM avg rate @ 2000 psi avg pressure. Max pressure 2100 psi. Total N2 375,000 SCF of N2. Total fluid 375 BBLs. ISIP - 1250 psi. 15 min - 843 psi. Rigged down BJ. SHUT DOWN
9/20/2001	MIRU Key Energy Rig #9. RU C/O equipment. SDFN
9/21/2001	Check psi on well 0# on csg. ND Frac valve NU and test BOP's. RU Gas Comp. PU and RIH w/ 4 3/4" mill X-over and 86 jts 2 3/8" tbg. SDFN
9/24/2001	Check psi on well 450# on csg. Blow well down TIH to 4566" Broke Circ. w/ gas. Blew on well for 2 hrs. SDFN
9/25/2001	Check psi on well 680# on csg. Blow well to pit. TIH to 4755' Break Cric. w/ gas. Cric. sand to BP set @ 4840' Cric. well for 2 hrs well making Lt. sand and Med. wtr. Ran sweep. Cric. well for 2 more hrs. Well seems to have cleaned up. PUH to 4000' SDFN
9/26/2001	Check psi on csg 590#. Blow well to pit. TIH to 4840' no new fill. PUH to 4566' Tested Cliff House and Upper Menefee perms from 4562' to 4764' for 8 hrs. 60# on tbg. and 200# on csg. 4bbls/day wtr 1/2 bbl/day oil. 396 mcf/day gas. TIH to 5068' tagged sand. 64' of fill. Broke circ. w/ gas C/O sand to top of BP set @ 5132' PUH to 4500" SDFN.
9/27/2001	Check psi on well. 510# on csg. Blow well to pit. TIH to 5100' Aprox. 30' of sand over night. Broke Cric. w/ gas. C/O sand to BP @ 5132' Cric well for 5 hrs running sweeps every hr. Well making Hvy wtr. and Lt. sand. Blow on well rest of the day, well seems to have dry up PUH to 4500' SDFN
9/28/2001	Check well pressures. Csg - 520 psi. Blow down casing. RIH and tagged sand fill @ 5120'. Pulled 2 3/8" tubing up to 4566'. Flowed well up the tubing thru 1/2" choke nipple. Tested the Cliffhouse/Upper Menefee from 4876' - 5104'. Tested zone as follows. 660 MCFPD with 2 BBLs Water and 1/2 BBLs Oil. This is a test for the Cliffhouse/Upper Menefee ONLY. It does not include the Upper Cliffhouse. RIH and tagged sand fill @ 5120'. Started 2 drill gas compressors and cleaned sand to Hallib Fas Drill Plug @ 5132'. Drilled up Hallib Fas Drill Plug @ 5132'. Continued to RIH and tagged sand fill @ 5611'. Unloaded well. Started flowing well up the tubing. Pumped soap sweeps to allow well to clean up. Well still making sand. Pulled tubing up to 4566'. SHUT DOWN

Daily Summary

API 300453061700	County SAN JUAN	State/Province NEW MEXICO	Surface Legal Location NMPM-32N-11W-13-E	NS Dist. (ft) 1800.0	NS Flag N	EW Dist. (ft) 1135.0	EW Flag W
Ground Elev (ft) 6286.00	Spud Date 8/10/2001	Rig Release Date 8/18/2001	Latitude (DMS) 36° 59' 14.2584" N	Longitude (DMS) 107° 56' 44.7216" W			

Start	Ops This Rpt
10/1/2001	Check well pressures. Csg - 480 psi. Blow down well. RIH and tagged sand fill @ 5570'. Started 2 drill gas compressors and cleaned sand fill to PBTD @ 5650'. Flowed well to allow well to clean up. Pulled 2 3/8" tubing up to 4566'. Flowed well until pressure stablized. Tested the MV as follows. 2 3/8" tubing @ 4566'. Flowed thru 1/2 choke nipple. Tbg - 200 psi. Csg - 360 psi. 2 BBLs Water 1 BBL Oil. MCFPD = 1320. Test witnessed by Nick James with Key Energy. SHUT DOWN
10/2/2001	Check well pressures. Csg - 460 psi. Blow down casing. POOH with 2 3/8" tubing with mill. RIH with Mule Shoe Collar, SN and 2 3/8" tubing. Tagged @ PBTD. No fill. Flowed well to clean up. Pulled up above the perf's. SHUT DOWN
10/3/2001	Check well pressures. Csg - 440 psi. Blow well down. RIH to check for fill. Tagged sand fill @ 5645'. Started 2 drill gas compressors and cleaned sand fill to PBTD @ 5650'. Pulled up and landed 2 3/8" tubing @ 5360'. with KB added in. Landed with 169 jts. Drifted all tubing with 1.91" drift. NDBOP & NUWH. Rigged down all equipment. Moved off location. FINAL REPORT